## Proof of Lemma 4.1

Lemma 4.1

For each $w^* \in X$ with $\|w^*\|_X < 1$, we can take $\gamma > 0$ satisfying

$$\|g(w^*)\|_{X^0} \le \gamma \|w^*\|_X^2 + \delta \tag{1}$$

as $\gamma = 85818$.

For each $w^* = [u_r^*, u_i^*, v_r^*, v_i^*, a_*, R_*, \lambda_i^*, \mu_i^*]^T \in X$, we assume that

$$\|w^*\|_X^2 = \|u_r^*\|^2 + \|u_i^*\|^2 + \|v_r^*\|^2 + \|v_i^*\|^2 + |a_*|^2 + |R_*|^2 + |\lambda_i^*|^2 + |\mu_i^*|^2 < 1. \tag{2}$$

For the approximate solution $[\hat{u}_r, \hat{u}_i, \hat{v}_r, \hat{v}_i, \hat{a}, \hat{R}, \hat{\lambda}_i, \hat{\mu}_i]^T \in (S_N)^4 \times \mathbb{R}^4$, the definition of the map $f : X \to (L^2(\Omega))^4$ is

$$f(w^*) = s_u \begin{bmatrix} q_1^* & -q_2^* & 0 & 0 \\ q_2^* & q_1^* & 0 & 0 \\ q_4^* & -q_3^* & q_1^* & -q_2^* \\ q_3^* & q_4^* & q_2^* & q_1^* \end{bmatrix} \begin{bmatrix} \hat{u}_r \\ \hat{u}_i \\ \hat{v}_r \\ \hat{v}_i \end{bmatrix} + \begin{bmatrix} \hat{q}_1 + q_1^* & -\hat{q}_2 - q_2^* & 0 & 0 \\ \hat{q}_2 + q_2^* & \hat{q}_1 + q_1^* & 0 & 0 \\ \hat{q}_4 + q_4^* & -\hat{q}_3 - q_3^* & \hat{q}_1 + q_1^* & -\hat{q}_2 - q_2^* \\ \hat{q}_3 + q_3^* & \hat{q}_4 + q_4^* & \hat{q}_2 + q_2^* & \hat{q}_1 + q_1^* \end{bmatrix} \begin{bmatrix} u_r^* \\ u_i^* \\ v_r^* \\ v_i^* \end{bmatrix} - s_u \begin{bmatrix} r_1 \\ r_2 \\ r_3 \\ r_4 \end{bmatrix}, \tag{3}$$

where

$$\hat{q}_1 = \hat{a}^2(2D^2 - \hat{a}^2), \tag{4}$$

$$\hat{q}_2 = -\hat{a}\hat{R}[V(-D^2 + \hat{a}^2) + V''] + \hat{\lambda}_i(-D^2 + \hat{a}^2), \tag{5}$$

$$\hat{q}_3 = -\hat{R}[V(-D^2 + 3\hat{a}^2) + V''] + \hat{\mu}_i(-D^2 + \hat{a}^2) + 2\hat{\lambda}_i\hat{a}, \tag{6}$$

$$\hat{q}_4 = -4\hat{a}(-D^2 + \hat{a}^2), \tag{7}$$

$$q_1 = (\hat{a} + a_*)^2(2D^2 - (\hat{a} + a_*)^2), \tag{8}$$

$$q_2 = -(\hat{a} + a_*)(\hat{R} + R_*/s_r)[V(-D^2 + (\hat{a} + a_*)^2) + V''] + (\hat{\lambda}_i + \lambda_i^*/s_l)(-D^2 + (\hat{a} + a_*)^2), \tag{9}$$

$$q_3 = -(\hat{R} + R_*/s_r)[V(-D^2 + 3(\hat{a} + a_*)^2) + V''] + (\hat{\mu}_i + \mu_i^*/s_m)(-D^2 + (\hat{a} + a_*)^2) + 2(\hat{\lambda}_i + \lambda_i^*/s_l)(\hat{a} + a_*), \tag{10}$$

$$q_4 = -4(\hat{a} + a_*)(-D^2 + (\hat{a} + a_*)^2), \tag{11}$$

$$q_k^* = q_k - \hat{q}_k, \qquad k = 1, \dots, 4, \tag{12}$$

$$r_1 = (D^4 - \hat{q}_1)\hat{u}_r + \hat{q}_2\hat{u}_i, \tag{13}$$

$$r_2 = (D^4 - \hat{q}_1)\hat{u}_i - \hat{q}_2\hat{u}_r, \tag{14}$$

$$r_3 = (D^4 - \hat{q}_1)\hat{v}_r - \hat{q}_4\hat{u}_r + \hat{q}_3\hat{u}_i + \hat{q}_2\hat{v}_i, \tag{15}$$

and $\tag{16}$

$$r_4 = (D^4 - \hat{q}_1)\hat{v}_i - \hat{q}_3\hat{u}_r - \hat{q}_4\hat{u}_i - \hat{q}_2\hat{v}_r. \tag{17}$$

Let $f'[0] : X \to (L^2(\Omega))^4$ be the Fréchet derivative of $f$ at $0 \in X$. Then, from (3)–(17), it can be written as

$$f'[0]w^* = s_u \begin{bmatrix} q_1'^* & -q_2'^* & 0 & 0 \\ q_2'^* & q_1'^* & 0 & 0 \\ q_4'^* & -q_3'^* & q_1'^* & -q_2'^* \\ q_3'^* & q_4'^* & q_2'^* & q_1'^* \end{bmatrix} \begin{bmatrix} \hat{u}_r \\ \hat{u}_i \\ \hat{v}_r \\ \hat{v}_i \end{bmatrix} + \begin{bmatrix} \hat{q}_1 & -\hat{q}_2 & 0 & 0 \\ \hat{q}_2 & \hat{q}_1 & 0 & 0 \\ \hat{q}_4 & -\hat{q}_3 & \hat{q}_1 & -\hat{q}_2 \\ \hat{q}_3 & \hat{q}_4 & \hat{q}_2 & \hat{q}_1 \end{bmatrix} \begin{bmatrix} u_r^* \\ u_i^* \\ v_r^* \\ v_i^* \end{bmatrix}, \tag{18}$$

where

$$q_k'^* := \frac{\partial q_k^*}{\partial a_*}[0] \cdot a_* + \frac{\partial q_k^*}{\partial R_*}[0] \cdot R_* + \frac{\partial q_k^*}{\partial \lambda_i^*}[0] \cdot \lambda_i^* + \frac{\partial q_k^*}{\partial \mu_i^*}[0] \cdot \mu_i^*, \qquad k = 1, \dots, 4. \tag{19}$$

Therefore equatiuons (18) and (3) give us

$$f(w^*) - f'[0]w^* =$$

$$s_u \begin{bmatrix} q_1^* - q_1'^* & -q_2^* + q_2'^* & 0 & 0 \\ q_2^* - q_2'^* & q_1^* - q_1'^* & 0 & 0 \\ q_4^* - q_4'^* & -q_3^* + q_3'^* & q_1^* - q_1'^* & -q_2^* + q_2'^* \\ q_3^* - q_3'^* & q_4^* - q_4'^* & q_2^* - q_2'^* & q_1^* - q_1'^* \end{bmatrix}_1 \begin{bmatrix} \hat{u}_r \\ \hat{u}_i \\ \hat{v}_r \\ \hat{v}_i \end{bmatrix} + \begin{bmatrix} q_1^* & -q_2^* & 0 & 0 \\ q_2^* & q_1^* & 0 & 0 \\ q_4^* & -q_3^* & q_1^* & -q_2^* \\ q_3^* & q_4^* & q_2^* & q_1^* \end{bmatrix} \begin{bmatrix} u_r^* \\ u_i^* \\ v_r^* \\ v_i^* \end{bmatrix} - s_u \begin{bmatrix} r_1 \\ r_2 \\ r_3 \\ r_4 \end{bmatrix}. \tag{20}$$

From (20) and the definition of $g(w^*)$ and $\delta$, we have

$$\|g(w^*)\|_{X^0} = \left\|\begin{bmatrix} s_u(q_1^* - q_1'^*)\hat{u}_r + s_u(-q_2^* + q_2'^*)\hat{u}_i + q_1^* u_r^* - q_2^* u_i^* \boxed{-s_u r_1} \\ s_u(q_2^* - q_2'^*)\hat{u}_r + s_u(q_1^* - q_1'^*)\hat{u}_i + q_2^* u_r^* + q_1^* u_i^* \boxed{-s_u r_2} \\ \begin{matrix} s_u(q_4^* - q_4'^*)\hat{u}_r + s_u(-q_3^* + q_3'^*)\hat{u}_i + s_u(q_1^* - q_1'^*)\hat{v}_r + s_u(-q_2^* + q_2'^*)\hat{v}_i \\ +q_4^* u_r^* - q_3^* u_i^* + q_1^* v_r^* - q_2^* v_i^* \boxed{-s_u r_3} \end{matrix} \\ \begin{matrix} s_u(q_3^* - q_3'^*)\hat{u}_r + s_u(q_4^* - q_4'^*)\hat{u}_i + s_u(q_2^* - q_2'^*)\hat{v}_r + s_u(q_1^* - q_1'^*)\hat{v}_i \\ +q_3^* u_r^* + q_4^* u_i^* + q_2^* v_r^* + q_1^* v_i^* \boxed{-s_u r_4} \end{matrix} \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix}\right\|_{X^0}$$

$$\leq \left\|\begin{bmatrix} s_u(q_1^* - q_1'^*)\hat{u}_r + s_u(-q_2^* + q_2'^*)\hat{u}_i + q_1^* u_r^* - q_2^* u_i^* \\ s_u(q_2^* - q_2'^*)\hat{u}_r + s_u(q_1^* - q_1'^*)\hat{u}_i + q_2^* u_r^* + q_1^* u_i^* \\ \begin{matrix} s_u(q_4^* - q_4'^*)\hat{u}_r + s_u(-q_3^* + q_3'^*)\hat{u}_i + s_u(q_1^* - q_1'^*)\hat{v}_r + s_u(-q_2^* + q_2'^*)\hat{v}_i \\ +q_4^* u_r^* - q_3^* u_i^* + q_1^* v_r^* - q_2^* v_i^* \end{matrix} \\ \begin{matrix} s_u(q_3^* - q_3'^*)\hat{u}_r + s_u(q_4^* - q_4'^*)\hat{u}_i + s_u(q_2^* - q_2'^*)\hat{v}_r + s_u(q_1^* - q_1'^*)\hat{v}_i \\ +q_3^* u_r^* + q_4^* u_i^* + q_2^* v_r^* + q_1^* v_i^* \end{matrix} \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix}\right\|_{X^0} + s_u \left\|\begin{bmatrix} r_1 \\ r_2 \\ r_3 \\ r_4 \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix}\right\|_{X^0}$$

$$= \left(\left\|s_u(q_1^* - q_1'^*)\hat{u}_r + s_u(-q_2^* + q_2'^*)\hat{u}_i + q_1^* u_r^* - q_2^* u_i^*\right\|^2\right.$$
$$+ \left\|s_u(q_2^* - q_2'^*)\hat{u}_r + s_u(q_1^* - q_1'^*)\hat{u}_i + q_2^* u_r^* + q_1^* u_i^*\right\|^2$$
$$+ \left\|s_u(q_4^* - q_4'^*)\hat{u}_r + s_u(-q_3^* + q_3'^*)\hat{u}_i + s_u(q_1^* - q_1'^*)\hat{v}_r + s_u(-q_2^* + q_2'^*)\hat{v}_i + q_4^* u_r^* - q_3^* u_i^* + q_1^* v_r^* - q_2^* v_i^*\right\|^2$$
$$\left.+ \left\|s_u(q_3^* - q_3'^*)\hat{u}_r + s_u(q_4^* - q_4'^*)\hat{u}_i + s_u(q_2^* - q_2'^*)\hat{v}_r + s_u(q_1^* - q_1'^*)\hat{v}_i + q_3^* u_r^* + q_4^* u_i^* + q_2^* v_r^* + q_1^* v_i^*\right\|^2\right)^{1/2}$$
$$+ \delta.$$

Each $L^2$-norm is bounded as follows.

$$\left\|s_u(q_1^* - q_1'^*)\hat{u}_r + s_u(-q_2^* + q_2'^*)\hat{u}_i + q_1^* u_r^* - q_2^* u_i^*\right\| \leq s_u\|(q_1^* - q_1'^*)\hat{u}_r\| + s_u\|(q_2^* - q_2'^*)\hat{u}_i\| + \|q_1^* u_r^*\| + \|q_2^* u_i^*\|.$$

$$\left\|s_u(q_2^* - q_2'^*)\hat{u}_r + s_u(q_1^* - q_1'^*)\hat{u}_i + q_2^* u_r^* + q_1^* u_i^*\right\| \leq s_u\|(q_2^* - q_2'^*)\hat{u}_r\| + s_u\|(q_1^* - q_1'^*)\hat{u}_i\| + \|q_2^* u_r^*\| + \|q_1^* u_i^*\|.$$

$$\left\|s_u(q_4^* - q_4'^*)\hat{u}_r + s_u(-q_3^* + q_3'^*)\hat{u}_i + s_u(q_1^* - q_1'^*)\hat{v}_r + s_u(-q_2^* + q_2'^*)\hat{v}_i + q_4^* u_r^* - q_3^* u_i^* + q_1^* v_r^* - q_2^* v_i^*\right\|$$
$$\leq s_u\|(q_4^* - q_4'^*)\hat{u}_r\| + s_u\|(q_3^* - q_3'^*)\hat{u}_i\| + s_u\|(q_1^* - q_1'^*)\hat{v}_r\| + s_u\|(q_2^* - q_2'^*)\hat{v}_i\|$$
$$+ \|q_4^* u_r^*\| + \|q_3^* u_i^*\| + \|q_1^* v_r^*\| + \|q_2^* v_i^*\|.$$

$$\left\|s_u(q_3^* - q_3'^*)\hat{u}_r + s_u(q_4^* - q_4'^*)\hat{u}_i + s_u(q_2^* - q_2'^*)\hat{v}_r + s_u(q_1^* - q_1'^*)\hat{v}_i + q_3^* u_r^* + q_4^* u_i^* + q_2^* v_r^* + q_1^* v_i^*\right\|$$
$$\leq s_u\|(q_3^* - q_3'^*)\hat{u}_r\| + s_u\|(q_4^* - q_4'^*)\hat{u}_i\| + s_u\|(q_2^* - q_2'^*)\hat{v}_r\| + s_u\|(q_1^* - q_1'^*)\hat{v}_i\|$$
$$+ \|q_3^* u_r^*\| + \|q_4^* u_i^*\| + \|q_2^* v_r^*\| + \|q_1^* v_i^*\|.$$

Therefore we have

$$\|g(w^*)\|_{X^0} \le \left( \left( s_u\|(q_1^* - q_1'^*)\hat{u}_r\| + s_u\|(q_2^* - q_2'^*)\hat{u}_i\| + \|q_1^* u_r^*\| + \|q_2^* u_i^*\| \right)^2 \right.$$

$$+ \left( s_u\|(q_2^* - q_2'^*)\hat{u}_r\| + s_u\|(q_1^* - q_1'^*)\hat{u}_i\| + \|q_2^* u_r^*\| + \|q_1^* u_i^*\| \right)^2$$

$$+ \left( s_u\|(q_4^* - q_4'^*)\hat{u}_r\| + s_u\|(q_3^* - q_3'^*)\hat{u}_i\| + s_u\|(q_1^* - q_1'^*)\hat{v}_r\| + s_u\|(q_2^* - q_2'^*)\hat{v}_i\| \right.$$

$$\left. + \|q_4^* u_r^*\| + \|q_3^* u_i^*\| + \|q_1^* v_r^*\| + \|q_2^* v_i^*\| \right)^2$$

$$+ \left( s_u\|(q_3^* - q_3'^*)\hat{u}_r\| + s_u\|(q_4^* - q_4'^*)\hat{u}_i\| + s_u\|(q_2^* - q_2'^*)\hat{v}_r\| + s_u\|(q_1^* - q_1'^*)\hat{v}_i\| \right.$$

$$\left. \left. + \|q_3^* u_r^*\| + \|q_4^* u_i^*\| + \|q_2^* v_r^*\| + \|q_1^* v_i^*\| \right)^2 \right)^{1/2} + \delta. \tag{21}$$

Now since

$$q_1 = (\hat{a} + a_*)^2(2D^2 - (\hat{a} + a_*)^2) = (\hat{a}^2 + 2\hat{a}a_* + a_*^2)(2D^2 - \hat{a}^2 - 2\hat{a}a_* - a_*^2)$$
$$= 2\hat{a}^2 D^2 - \hat{a}^4 - 2\hat{a}^3 a_* - \hat{a}^2 a_*^2 + 4\hat{a}a_* D^2 - 2\hat{a}^3 a_* - 4\hat{a}^2 a_*^2 - 2\hat{a}a_*^3 + 2a_*^2 D^2 - \hat{a}^2 a_*^2 - 2\hat{a}a_*^3 - a_*^4$$
$$= \hat{a}^2(2D^2 - \hat{a}^2) - 4\hat{a}^3 a_* + 4\hat{a}a_* D^2 - 6\hat{a}^2 a_*^2 + 2a_*^2 D^2 - 4\hat{a}a_*^3 - a_*^4$$
$$= \hat{q}_1 - 4\hat{a}(-D^2 + \hat{a}^2)a_* - 2(-D^2 + 3\hat{a}^2)a_*^2 - 4\hat{a}a_*^3 - a_*^4,$$

$$q_2 = -(\hat{a} + a_*)(\hat{R} + R_*/s_r)[V(-D^2 + (\hat{a} + a_*)^2) + V''] + (\hat{\lambda}_i + \lambda_i^*/s_l)(-D^2 + (\hat{a} + a_*)^2)$$
$$= -(\hat{a} + a_*)(\hat{R} + R_*/s_r)[V(-D^2 + \hat{a}^2) + V'' + V(2\hat{a}a_* + a_*^2)] + (\hat{\lambda}_i + \lambda_i^*/s_l)(-D^2 + \hat{a}^2 + 2\hat{a}a_* + a_*^2)$$

$$= -\left( \hat{a}\hat{R} + \hat{a}R_*/s_r + \hat{R}a_* + a_*R_*/s_r \right)\left( V(-D^2 + \hat{a}^2) + V'' + 2V\hat{a}a_* + Va_*^2 \right)$$
$$+ \hat{\lambda}_i(-D^2 + \hat{a}^2) + 2\hat{\lambda}_i\hat{a}a_* + \hat{\lambda}_i a_*^2 + \lambda_i^*/s_l(-D^2 + \hat{a}^2) + 2\lambda_i^*/s_l\hat{a}a_* + \lambda_i^*/s_l a_*^2$$

$$= -\hat{a}\hat{R}(V(-D^2 + \hat{a}^2) + V'') - 2\hat{a}^2\hat{R}Va_* - \hat{a}\hat{R}Va_*^2$$
$$- \hat{a}R_*/s_r(V(-D^2 + \hat{a}^2) + V'') - 2\hat{a}^2 R_*/s_r Va_* - \hat{a}VR_*/s_r a_*^2$$
$$- \hat{R}a_*(V(-D^2 + \hat{a}^2) + V'') - 2\hat{a}\hat{R}Va_*^2 - \hat{R}Va_*^3$$
$$- a_*R_*/s_r(V(-D^2 + \hat{a}^2) + V'') - 2\hat{a}VR_*/s_r a_*^2 - VR_*/s_r a_*^3$$
$$+ \hat{\lambda}_i(-D^2 + \hat{a}^2) + 2\hat{\lambda}_i\hat{a}a_* + \hat{\lambda}_i a_*^2 + \lambda_i^*/s_l(-D^2 + \hat{a}^2) + 2\lambda_i^*/s_l\hat{a}a_* + \lambda_i^*/s_l a_*^2$$

$$= -\hat{a}\hat{R}(V(-D^2 + \hat{a}^2) + V'') + \hat{\lambda}_i(-D^2 + \hat{a}^2) + \left( -2\hat{a}^2\hat{R}V - \hat{R}(V(-D^2 + \hat{a}^2) + V'') + 2\hat{\lambda}_i\hat{a} \right)a_*$$
$$- \hat{a}R_*/s_r(V(-D^2 + \hat{a}^2) + V'') + \lambda_i^*/s_l(-D^2 + \hat{a}^2)$$
$$+ (\hat{\lambda}_i - 3\hat{a}\hat{R}V)a_*^2 - \hat{R}Va_*^3 - a_*R_*/s_r(2\hat{a}^2 V + V(-D^2 + \hat{a}^2) + V'')$$
$$- 3\hat{a}VR_*/s_r a_*^2 - VR_*/s_r a_*^3 + 2\lambda_i^*/s_l\hat{a}a_* + \lambda_i^*/s_l a_*^2$$

$$= \hat{q}_2 + \left( -\hat{R}(V(-D^2 + 3\hat{a}^2) + V'') + 2\hat{\lambda}_i\hat{a} \right)a_* - \hat{a}(V(-D^2 + \hat{a}^2) + V'')R_*/s_r + \lambda_i^*/s_l(-D^2 + \hat{a}^2)$$
$$+ (\hat{\lambda}_i - 3\hat{a}\hat{R}V)a_*^2 - \hat{R}Va_*^3 - a_*R_*/s_r(V(-D^2 + 3\hat{a}^2) + V'')$$
$$- 3\hat{a}VR_*/s_r a_*^2 - VR_*/s_r a_*^3 + 2\lambda_i^*/s_l\hat{a}a_* + \lambda_i^*/s_l a_*^2,$$

$$q_3 = -(\hat{R} + R_*/s_r)[V(-D^2 + 3(\hat{a} + a_*)^2) + V''] + (\hat{\mu}_i + \mu_i^*/s_m)(-D^2 + (\hat{a} + a_*)^2) + 2(\hat{\lambda}_i + \lambda_i^*/s_l)(\hat{a} + a_*)$$

$$= -(\hat{R} + R_*/s_r)\Big(V(-D^2 + 3\hat{a}^2) + V'' + 6\hat{a}Va_* + 3Va_*^2\Big) + (\hat{\mu}_i + \mu_i^*/s_m)(-D^2 + \hat{a}^2 + 2\hat{a}a_* + a_*^2)$$
$$\quad + 2\hat{\lambda}_i\hat{a} + 2\hat{\lambda}_i a_* + 2\lambda_i^*/s_l\hat{a} + 2\lambda_i^*/s_l a_*$$

$$= -\hat{R}[V(-D^2 + 3\hat{a}^2) + V''] - R_*/s_r[V(-D^2 + 3\hat{a}^2) + V''] - \hat{R}(6\hat{a}Va_* + 3Va_*^2) - R_*/s_r(6\hat{a}Va_* + 3Va_*^2)$$
$$\quad + \hat{\mu}_i(-D^2 + \hat{a}^2) + \hat{\mu}_i(2\hat{a}a_* + a_*^2) + \mu_i^*/s_m(-D^2 + \hat{a}^2) + \mu_i^*/s_m(2\hat{a}a_* + a_*^2)$$
$$\quad + 2\hat{\lambda}_i\hat{a} + 2\hat{\lambda}_i a_* + 2\lambda_i^*/s_l\hat{a} + 2\lambda_i^*/s_l a_*$$

$$= -\hat{R}[V(-D^2 + 3\hat{a}^2) + V''] + \hat{\mu}_i(-D^2 + \hat{a}^2) + 2\hat{\lambda}_i\hat{a} - R_*/s_r[V(-D^2 + 3\hat{a}^2) + V'']$$
$$\quad - 6\hat{R}\hat{a}Va_* - 3\hat{R}Va_*^2 - 6R_*/s_r\hat{a}Va_* - 3R_*/s_r Va_*^2$$
$$\quad + 2\hat{\mu}_i\hat{a}a_* + \hat{\mu}_i a_*^2 + \mu_i^*/s_m(-D^2 + \hat{a}^2) + 2\mu_i^*/s_m\hat{a}a_* + \mu_i^*/s_m a_*^2$$
$$\quad + 2\hat{\lambda}_i a_* + 2\lambda_i^*/s_l\hat{a} + 2\lambda_i^*/s_l a_*$$

$$= \hat{q}_3 + 2(-3\hat{R}\hat{a}V + \hat{\mu}_i\hat{a} + \hat{\lambda}_i)a_* - R_*/s_r[V(-D^2 + 3\hat{a}^2) + V''] + 2\lambda_i^*/s_l\hat{a} + \mu_i^*/s_m(-D^2 + \hat{a}^2)$$
$$\quad + (-3\hat{R}V + \hat{\mu}_i)a_*^2 - 6R_*/s_r\hat{a}Va_* - 3R_*/s_r Va_*^2 + 2\mu_i^*/s_m\hat{a}a_* + \mu_i^*/s_m a_*^2 + 2\lambda_i^*/s_l a_*,$$

and

$$q_4 = -4(\hat{a} + a_*)(-D^2 + (\hat{a} + a_*)^2)$$
$$= -4(\hat{a} + a_*)(-D^2 + \hat{a}^2 + 2\hat{a}a_* + a_*^2)$$
$$= -4\hat{a}(-D^2 + \hat{a}^2) - 4\hat{a}(2\hat{a}a_* + a_*^2) - 4a_*(-D^2 + \hat{a}^2 + 2\hat{a}a_* + a_*^2)$$
$$= \hat{q}_4 - 4a_*(2\hat{a}^2 + \hat{a}a_* - D^2 + \hat{a}^2 + 2\hat{a}a_* + a_*^2)$$
$$= \hat{q}_4 - 4a_*(-D^2 + 3\hat{a}^2 + 3a_*\hat{a} + a_*^2)$$
$$= \hat{q}_4 - 4a_*(-D^2 + 3\hat{a}^2) - 12a_*^2\hat{a} - 4a_*^3,$$

we have

$$q_1^* = -4\hat{a}(-D^2 + \hat{a}^2)a_* - 2(-D^2 + 3\hat{a}^2)a_*^2 - 4\hat{a}a_*^3 - a_*^4,$$
$$q_2^* = \Big(-\hat{R}(V(-D^2 + 3\hat{a}^2) + V'') + 2\hat{\lambda}_i\hat{a}\Big)a_* - \hat{a}(V(-D^2 + \hat{a}^2) + V'')R_*/s_r + \lambda_i^*/s_l(-D^2 + \hat{a}^2)$$
$$\qquad + (\hat{\lambda}_i - 3\hat{a}\hat{R}V)a_*^2 - \hat{R}Va_*^3 - a_*R_*/s_r(V(-D^2 + 3\hat{a}^2) + V'')$$
$$\qquad - 3\hat{a}VR_*/s_r a_*^2 - VR_*/s_r a_*^3 + 2\lambda_i^*/s_l\hat{a}a_* + \lambda_i^*/s_l a_*^2,$$
$$q_3^* = 2(-3\hat{R}\hat{a}V + \hat{\mu}_i\hat{a} + \hat{\lambda}_i)a_* - R_*/s_r[V(-D^2 + 3\hat{a}^2) + V''] + 2\lambda_i^*/s_l\hat{a} + \mu_i^*/s_m(-D^2 + \hat{a}^2)$$
$$\qquad + (-3\hat{R}V + \hat{\mu}_i)a_*^2 - 6R_*/s_r\hat{a}Va_* - 3R_*/s_r Va_*^2 + 2\mu_i^*/s_m\hat{a}a_* + \mu_i^*/s_m a_*^2 + 2\lambda_i^*/s_l a_*,$$
$$q_4^* = -4a_*(-D^2 + 3\hat{a}^2) - 12a_*^2\hat{a} - 4a_*^3.$$

Because of

$$\frac{\partial q_1^*}{\partial a_*}[0] = -4\hat{a}\left(-D^2 + \hat{a}^2\right) \qquad\qquad \frac{\partial q_1^*}{\partial R_*}[0] = \frac{\partial q_1^*}{\partial \lambda_i^*}[0] = \frac{\partial q_1^*}{\partial \mu_i^*}[0] = 0,$$

$$\frac{\partial q_2^*}{\partial a_*}[0] = -\hat{R}[V(-D^2 + 3\hat{a}^2) + V''] + 2\hat{a}\hat{\lambda}_i, \qquad\qquad \frac{\partial q_2^*}{\partial R_*}[0] = -\hat{a}[V(-D^2 + \hat{a}^2) + V'']/s_r,$$

$$\frac{\partial q_2^*}{\partial \lambda_i^*}[0] = (-D^2 + \hat{a}^2)/s_l, \qquad\qquad \frac{\partial q_2^*}{\partial \mu_i^*}[0] = 0,$$

$$\frac{\partial q_3^*}{\partial a_*}[0] = -6\hat{a}\hat{R}V + 2\hat{a}\hat{\mu}_i + 2\hat{\lambda}_i, \qquad\qquad \frac{\partial q_3^*}{\partial R_*}[0] = -[V(-D^2 + 3\hat{a}^2) + V'']/s_r,$$

$$\frac{\partial q_3^*}{\partial \lambda_i^*}[0] = 2\hat{a}/s_l, \qquad\qquad \frac{\partial q_3^*}{\partial \mu_i^*}[0] = (-D^2 + \hat{a}^2)/s_m,$$

$$\frac{\partial q_4^*}{\partial a_*}[0] = -4(-D^2 + 3\hat{a}^2), \qquad\qquad \frac{\partial q_4^*}{\partial R_*}[0] = \frac{\partial q_4^*}{\partial \lambda_i^*}[0] = \frac{\partial q_4^*}{\partial \mu_i^*}[0] = 0,$$

we obtain

$$q_1'^* = \frac{\partial q_1^*}{\partial a_*}[0] \cdot a_*$$
$$= -4\hat{a}\left(-D^2 + \hat{a}^2\right)a_*$$
$$q_1^* - q_1'^* = -2(-D^2 + 3\hat{a}^2)a_*^2 - 4\hat{a}a_*^3 - a_*^4, \tag{22}$$

$$q_2'^* = \frac{\partial q_2^*}{\partial a_*}[0] \cdot a_* + \frac{\partial q_2^*}{\partial R_*}[0] \cdot R_* + \frac{\partial q_2^*}{\partial \lambda_i^*}[0] \cdot \lambda_i^*$$
$$= \left(-\hat{R}[V(-D^2 + 3\hat{a}^2) + V''] + 2\hat{a}\hat{\lambda}_i\right)a_* - \hat{a}[V(-D^2 + \hat{a}^2) + V'']R_*/s_r + (-D^2 + \hat{a}^2)\lambda_*/s_l,$$
$$q_2^* - q_2'^* = (\hat{\lambda}_i - 3\hat{a}\hat{R}V)a_*^2 - \hat{R}Va_*^3 - a_*R_*/s_r(V(-D^2 + 3\hat{a}^2) + V'')$$
$$- 3\hat{a}VR_*/s_ra_*^2 - VR_*/s_ra_*^3 + 2\lambda_i^*/s_l\hat{a}a_* + \lambda_i^*/s_la_*^2, \tag{23}$$

$$q_3'^* = \frac{\partial q_3^*}{\partial a_*}[0] \cdot a_* + \frac{\partial q_3^*}{\partial R_*}[0] \cdot R_* + \frac{\partial q_3^*}{\partial \lambda_i^*}[0] \cdot \lambda_i^* + \frac{\partial q_3^*}{\partial \mu_i^*}[0] \cdot \mu_i^*$$
$$= \left(-6\hat{a}\hat{R}V + 2\hat{a}\hat{\mu}_i + 2\hat{\lambda}_i\right)a_* - [V(-D^2 + 3\hat{a}^2) + V'']/R_*s_r + 2\hat{a}\lambda_i^*/s_l + (-D^2 + \hat{a}^2)\mu_i^*/s_m$$
$$q_3^* - q_3'^* = (-3\hat{R}V + \hat{\mu}_i)a_*^2 - 6R_*/s_r\hat{a}Va_* - 3R_*/s_rVa_*^2 + 2\mu_i^*/s_m\hat{a}a_* + \mu_i^*/s_ma_*^2 + 2\lambda_i^*/s_la_*, \tag{24}$$

$$q_4'^* = \frac{\partial q_4^*}{\partial a_*}[0] \cdot a_*$$
$$= -4(-D^2 + 3\hat{a}^2)a_*,$$
$$q_4^* - q_4'^* = -12a_*^2\hat{a} - 4a_*^3. \tag{25}$$

From (2), it holds that

$$|a_*|^4 \leq |a_*|^3 \leq |a_*|^2 \leq \|w^*\|_X^2$$

and

$$\omega_1 \cdot \omega_2 \leq \frac{\omega_1^2 + \omega_2^2}{2} \leq \frac{\|w^*\|_X^2}{2}, \quad \text{for } \omega_1, \omega_2 \in \{|a_*|, |R_*|, |\lambda_i^*|, |\mu_i^*|\} \quad \text{such that } \omega_1 \neq \omega_2.$$

Then, for $u \in \{\hat{u}_r, \hat{u}_i, \hat{v}_r, \hat{v}_i\}$, by using (22), (23), (24), and (25), the followings hold:

$$\|(q_1^* - q_1'^*)u\| = \left\|-2(-D^2 + 3\hat{a}^2)ua_*^2 - 4\hat{a}a_*^3u - a_*^4u\right\|$$
$$\leq 2\left\|(-D^2 + 3\hat{a}^2)u\right\| |a_*|^2 + 4\hat{a}\|u\| |a_*|^3 + \|u\| |a_*|^4$$
$$\leq \left(2\left\|(-D^2 + 3\hat{a}^2)u\right\| + 4\hat{a}\|u\| + \|u\|\right)\|w^*\|_X^2$$
$$= \left(2\left\|(-D^2 + 3\hat{a}^2)u\right\| + (4\hat{a} + 1)\|u\|\right)\|w^*\|_X^2.$$

$$\|(q_2^* - q_2'^*)u\| = \left\|(\hat{\lambda}_i - 3\hat{a}\hat{R}V)ua_*^2 - \hat{R}Vua_*^3 - a_*R_*/s_r(V(-D^2 + 3\hat{a}^2) + V'')u\right.$$
$$\left. - 3\hat{a}VR_*/s_rua_*^2 - VR_*/s_rua_*^3 + 2\lambda_i^*/s_l\hat{a}ua_* + \lambda_i^*/s_lua_*^2\right\|$$
$$\leq \left\|(\hat{\lambda}_i - 3\hat{a}\hat{R}V)u\right\| |a_*|^2 + \hat{R}\|Vu\| |a_*|^3 + \frac{1}{s_r}\left\|(V(-D^2 + 3\hat{a}^2) + V'')u\right\| |a_*| |R_*|$$
$$+ \frac{3\hat{a}}{s_r}\|Vu\| |R_*| |a_*|^2 + \frac{1}{s_r}\|Vu\| |R_*| |a_*|^3 + \frac{2}{s_l}\hat{a}\|u\| |\lambda_i^*| |a_*| + \frac{1}{s_l}\|u\| |\lambda_i^*| |a_*|^2$$
$$\leq \left(\left\|(\hat{\lambda}_i - 3\hat{a}\hat{R}V)u\right\| + \hat{R}\|Vu\| + \frac{1}{2s_r}\left\|(V(-D^2 + 3\hat{a}^2) + V'')u\right\|\right.$$
$$\left. + \frac{3\hat{a}}{2s_r}\|Vu\| + \frac{1}{2s_r}\|Vu\| + \frac{1}{s_l}\hat{a}\|u\| + \frac{1}{2s_l}\|u\|\right)\|w^*\|_X^2$$
$$= \left(\left\|(\hat{\lambda}_i - 3\hat{a}\hat{R}V)u\right\| + \frac{1}{2s_r}\left\|(V(-D^2 + 3\hat{a}^2) + V'')u\right\|\right.$$
$$\left. + \left(\hat{R} + \frac{3\hat{a}}{2s_r} + \frac{1}{2s_r}\right)\|Vu\| + \left(\frac{\hat{a}}{s_l} + \frac{1}{2s_l}\right)\|u\|\right)\|w^*\|_X^2.$$

$$\|(q_3^* - q_3'^*)u\| = \left\|(-3\hat{R}V + \hat{\mu}_i)ua_*^2 - 6R_*/s_r\hat{a}Vua_* - 3R_*/s_rVua_*^2 + 2\mu_i^*/s_m\hat{a}ua_* + \mu_i^*/s_mua_*^2 + 2\lambda_i^*/s_lua_*\right\|$$

$$\leq \left\|(-3\hat{R}V + \hat{\mu}_i)u\right\| |a_*|^2 + \frac{6\hat{a}}{s_r}\|Vu\| |R_*| |a_*| + \frac{3}{s_r}\|Vu\| |R_*| |a_*|^2$$

$$+ \frac{2\hat{a}}{s_m}\|u\| |\mu_i^*| |a_*| + \frac{1}{s_m}\|u\| |\mu_i^*| |a_*|^2 + \frac{2}{s_l}\|u\| |\lambda_i^*| |a_*|$$

$$\leq \left(\left\|(-3\hat{R}V + \hat{\mu}_i)u\right\| + \frac{3\hat{a}}{s_r}\|Vu\| + \frac{3}{2s_r}\|Vu\| + \frac{\hat{a}}{s_m}\|u\| + \frac{1}{2s_m}\|u\| + \frac{1}{s_l}\|u\|\right)\|w^*\|_X^2$$

$$= \left(\left\|(-3\hat{R}V + \hat{\mu}_i)u\right\| + \frac{3}{s_r}\left(\hat{a} + \frac{1}{2}\right)\|Vu\| + \left(\frac{\hat{a}}{s_m} + \frac{1}{2s_m} + \frac{1}{s_l}\right)\|u\|\right)\|w^*\|_X^2.$$

$$\|(q_4^* - q_4'^*)u\| = \|-12\hat{a}ua_*^2 - 4ua_*^3\|$$

$$\leq 12\hat{a}\|u\| |a_*|^2 + 4\|u\||a_*|^3$$

$$\leq 4(3\hat{a} + 1)\|u\| \cdot \|w^*\|_X^2.$$

In order to evaluate norms $\|(q_k^* - q_k'^*)u\|$, we need 6-type $L^2$-norms:

$$\begin{array}{ll}
\text{type a} & \left\|(-D^2 + 3\hat{a}^2)u\right\| = \|-u'' + 3\hat{a}^2 u\| \\[4pt]
\text{type b} & \|u\| \\[4pt]
\text{type c} & \left\|(\hat{\lambda}_i - 3\hat{a}\hat{R}V)u\right\| = \left\|(\hat{\lambda}_i - 3\hat{a}\hat{R})u + 3\hat{a}\hat{R}x^2 u\right\| \\[4pt]
\text{type d} & \left\|(V(-D^2 + 3\hat{a}^2) + V'')u\right\| = \|-u'' + x^2 u'' + (3\hat{a}^2 - 2)u - 3\hat{a}^2 x^2 u\| \\[4pt]
\text{type e} & \|Vu\| = \|u - x^2 u\| \\[4pt]
\text{type f} & \left\|(-3\hat{R}V + \hat{\mu}_i)u\right\| = \left\|(-3\hat{R} + \hat{\mu}_i)u + 3\hat{R}x^2 u\right\|
\end{array}$$

by interval arithmetic. By setting $u = \sum_{n=1}^N u_n\phi_n$, $\boldsymbol{u} = [u_n]$, and $L_k \in \mathbb{R}$ ($k = 1, 2, 3, 4$), general form of each type is

$$\left\|L_1 u'' + L_2 x^2 u'' + L_3 u + L_4 x^2 u\right\| = \sqrt{\boldsymbol{u}^T D\boldsymbol{u}},$$

where

$$\begin{aligned}
[D]_{mn} &= \left(L_1\phi_n'' + L_2 x^2\phi_n'' + L_3\phi_n + L_4 x^2\phi_n, L_1\phi_m'' + L_2 x^2\phi_m'' + L_3\phi_m + L_4 x^2\phi_m\right)_{L^2} \\
&= \left(L_1\phi_n'', L_1\phi_m'' + L_2 x^2\phi_m'' + L_3\phi_m + L_4 x^2\phi_m\right)_{L^2} + \left(L_2 x^2\phi_n'', L_1\phi_m'' + L_2 x^2\phi_m'' + L_3\phi_m + L_4 x^2\phi_m\right)_{L^2} \\
&\quad + \left(L_3\phi_n, L_1\phi_m'' + L_2 x^2\phi_m'' + L_3\phi_m + L_4 x^2\phi_m\right)_{L^2} + \left(L_4 x^2\phi_n, L_1\phi_m'' + L_2 x^2\phi_m'' + L_3\phi_m + L_4 x^2\phi_m\right)_{L^2} \\
&= L_1\left[L_1\left(\phi_n'', \phi_m''\right)_{L^2} + L_2\left(\phi_n'', x^2\phi_m''\right)_{L^2} + L_3\left(\phi_n'', \phi_m\right)_{L^2} + L_4\left(\phi_n'', x^2\phi_m\right)_{L^2}\right] \\
&\quad + L_2\left[L_1\left(x^2\phi_n'', \phi_m''\right)_{L^2} + L_2\left(x^2\phi_n'', x^2\phi_m''\right)_{L^2} + L_3\left(x^2\phi_n'', \phi_m\right)_{L^2} + L_4\left(x^2\phi_n'', x^2\phi_m\right)_{L^2}\right] \\
&\quad + L_3\left[L_1\left(\phi_n, \phi_m''\right)_{L^2} + L_2\left(\phi_n, x^2\phi_m''\right)_{L^2} + L_3\left(\phi_n, \phi_m\right)_{L^2} + L_4\left(\phi_n, x^2\phi_m\right)_{L^2}\right] \\
&\quad + L_4\left[L_1\left(x^2\phi_n, \phi_m''\right)_{L^2} + L_2\left(x^2\phi_n, x^2\phi_m''\right)_{L^2} + L_3\left(x^2\phi_n, \phi_m\right)_{L^2} + L_4\left(x^2\phi_n, x^2\phi_m\right)_{L^2}\right] \\
&= L_1\left[L_1 I_N + L_2[B_{10}]_{mn} + L_3[B_2]_{mn} + L_4[B_3]_{mn}\right] + L_2\left[L_1[B_{10}]_{mn} + L_2[B_{11}]_{mn} + L_3[B_3]_{mn} + L_4[B_{12}]_{mn}\right] \\
&\quad + L_3\left[L_1[B_2]_{mn} + L_2[B_3]_{mn}^T + L_3[B_1]_{mn} + L_4[B_4]_{mn}\right] \\
&\quad + L_4\left[L_1[B_3]_{mn}^T + L_2[B_{12}]_{mn}^T + L_3[B_4]_{mn} + L_4[B_7]_{mn}\right],
\end{aligned}$$

and

$$\begin{aligned}
[B_1]_{mn} &= \left(\phi_n, \phi_m\right)_{L^2}, \\
[B_2]_{mn} &= \left(\phi_n'', \phi_m\right)_{L^2}, \\
[B_3]_{mn} &= \left(x^2\phi_n'', \phi_m\right)_{L^2}, \\
[B_4]_{mn} &= \left(x^2\phi_n, \phi_m\right)_{L^2}, \\
[B_7]_{mn} &= \left(x^2\phi_n, x^2\phi_m\right)_{L^2}, \\
[B_{10}]_{mn} &= \left(\phi_n'', x^2\phi_m''\right)_{L^2}, \\
[B_{11}]_{mn} &= \left(x^2\phi_n'', x^2\phi_m''\right)_{L^2}, \\
[B_{12}]_{mn} &= \left(x^2\phi_n'', x^2\phi_m\right)_{L^2}.
\end{aligned}$$

For $u \in \{u_r^*, u_i^*, v_r^*, v_i^*\}$ under the assumption $\|w^*\|_X < 1$ and

$$\|v\| \le C_p \|v\|_{H_0^2}, \qquad \forall v \in H_0^2(\Omega)$$

with $C_p := \dfrac{4}{\pi^2}$, we obtain the followings.

$$
\begin{aligned}
\|q_1^* u\| &= \left\| -4\hat{a}(-D^2 + \hat{a}^2)ua_* - 2(-D^2 + 3\hat{a}^2)ua_*^2 - 4\hat{a}a_*^3 u - a_*^4 u \right\| \\
&\le 4\hat{a}\|(-D^2 + \hat{a}^2)ua_*\| + 2\|(-D^2 + 3\hat{a}^2)ua_*^2\| + 4\hat{a}\|a_*^3 u\| + \|a_*^4 u\| \\
&\le 4\hat{a}\|(-D^2 + \hat{a}^2)u\|\,|a_*| + 2\|(-D^2 + 3\hat{a}^2)u\|\,|a_*|^2 + 4\hat{a}\|u\|\,|a_*|^3 + \|u\|\,|a_*|^4 \\
&\le 4\hat{a}\Big(\|D^2 u\| + \hat{a}^2\|u\|\Big)|a_*| + 2\Big(\|D^2 u\| + 3\hat{a}^2\|u\|\Big)|a_*| + 4\hat{a}\|u\|\,|a_*| + \|u\|\,|a_*| \\
&\le \left( 4\hat{a}(\|u\|_{H_0^2} + \hat{a}^2 C_p\|u\|_{H_0^2}) + 2(\|u\|_{H_0^2} + 3\hat{a}^2 C_p\|u\|_{H_0^2}) + 4\hat{a}C_p\|u\|_{H_0^2} + C_p\|u\|_{H_0^2} \right)|a_*| \\
&= \left( 4\hat{a}(1 + \hat{a}^2 C_p) + 2(1 + 3\hat{a}^2 C_p) + 4\hat{a}C_p + C_p \right)\|u\|_{H_0^2}|a_*| \\
&\le \frac{1}{2}\left( 4\hat{a}(1 + \hat{a}^2 C_p) + 2(1 + 3\hat{a}^2 C_p) + 4\hat{a}C_p + C_p \right)(\|u\|_{H_0^2}^2 + |a_*|^2) \\
&\le \frac{1}{2}\left( 4\hat{a}(1 + \hat{a}^2 C_p) + 2(1 + 3\hat{a}^2 C_p) + 4\hat{a}C_p + C_p \right)\|w^*\|_X^2.
\end{aligned}
$$

$$
\begin{aligned}
\|q_2^* u\| &= \left\| \left( -\hat{R}(V(-D^2 + 3\hat{a}^2) + V'') + 2\hat{\lambda}_i \hat{a} \right)ua_* - \hat{a}(V(-D^2 + \hat{a}^2) + V'')uR_*/s_r + \lambda_i^*/s_l(-D^2 + \hat{a}^2)u \right. \\
&\qquad + (\hat{\lambda}_i - 3\hat{a}\hat{R}V)ua_*^2 - \hat{R}Vua_*^3 - a_* R_*/s_r(V(-D^2 + 3\hat{a}^2) + V'')u \\
&\qquad \left. - 3\hat{a}VR_*/s_r ua_*^2 - VR_*/s_r ua_*^3 + 2\lambda_i^*/s_l\hat{a}ua_* + \lambda_i^*/s_l ua_*^2 \right\| \\
&\le \left\| \left( -\hat{R}(V(-D^2 + 3\hat{a}^2) + V'') + 2\hat{\lambda}_i \hat{a} \right)ua_* \right\| + \left\| -\hat{a}(V(-D^2 + \hat{a}^2) + V'')uR_*/s_r \right\| \\
&\quad + \left\| \lambda_i^*/s_l(-D^2 + \hat{a}^2)u \right\| + \left\| (\hat{\lambda}_i - 3\hat{a}\hat{R}V)ua_*^2 \right\| + \left\| -\hat{R}Vua_*^3 \right\| + \left\| -a_* R_*/s_r(V(-D^2 + 3\hat{a}^2) + V'')u \right\| \\
&\quad + \left\| -3\hat{a}VR_*/s_r ua_*^2 \right\| + \left\| -VR_*/s_r ua_*^3 \right\| + \left\| 2\lambda_i^*/s_l\hat{a}ua_* \right\| + \left\| \lambda_i^*/s_l ua_*^2 \right\| \\
&\le \left\| \hat{R}VD^2 u + \left( -\hat{R}(3\hat{a}^2 V + V'') + 2\hat{\lambda}_i \hat{a} \right)u \right\| |a_*| + \frac{\hat{a}}{s_r}\left\| VD^2 u + (-V\hat{a}^2 + V'')u \right\| |R_*| \\
&\quad + \frac{1}{s_l}\left\| -D^2 u + \hat{a}^2 u \right\| |\lambda_i^*| + \left\| (\hat{\lambda}_i - 3\hat{a}\hat{R}V)u \right\| |a_*|^2 + \hat{R}\|Vu\|\,|a_*|^3 \\
&\quad + \frac{1}{s_r}\left\| -VD^2 u + (3\hat{a}^2 V + V'')u \right\| |a_*|\,|R_*| + \frac{3\hat{a}}{s_r}\|Vu\|\,|R_*|\,|a_*|^2 \\
&\quad + \frac{1}{s_r}\|Vu\|\,|R_*|\,|a_*|^3 + \frac{2\hat{a}}{s_l}\|u\|\,|\lambda_i^*|\,|a_*| + \frac{1}{s_l}\|u\|\,|\lambda_i^*|\,|a_*|^2 \\
&\le \left( \hat{R}\|V\|_\infty\|u\|_{H_0^2} + \left\| -\hat{R}(3\hat{a}^2 V + V'') + 2\hat{\lambda}_i \hat{a} \right\|_\infty\|u\| \right)|a_*| \\
&\quad + \frac{\hat{a}}{s_r}\left( \|V\|_\infty\|u\|_{H_0^2} + \left\| -V\hat{a}^2 + V'' \right\|_\infty\|u\| \right)|R_*| \\
&\quad + \frac{1}{s_l}\left( \|u\|_{H_0^2} + \hat{a}^2\|u\| \right)|\lambda_i^*| + \left\| \hat{\lambda}_i - 3\hat{a}\hat{R}V \right\|_\infty\|u\|\,|a_*| + \hat{R}\|V\|_\infty\|u\|\,|a_*| \\
&\quad + \frac{1}{s_r}\left( \|V\|_\infty\|u\|_{H_0^2} + \left\| 3\hat{a}^2 V + V'' \right\|_\infty\|u\| \right)|a_*| + \frac{3\hat{a}}{s_r}\|V\|_\infty\|u\||a_*| \\
&\quad + \frac{1}{s_r}\|V\|_\infty\|u\|\,|a_*| + \frac{2\hat{a}}{s_l}\|u\|\,|a_*| + \frac{1}{s_l}\|u\||a_*|.
\end{aligned}
$$

By using the fact

$$\|V\|_\infty = 1,$$

$$\left\| -\hat{R}(3\hat{a}^2 V + V'') + 2\hat{\lambda}_i \hat{a} \right\|_\infty = \left\| -3\hat{a}^2 \hat{R} + 2\hat{R} + 2\hat{\lambda}_i \hat{a} + 3\hat{a}^2 \hat{R}x^2 \right\|_\infty$$

$$= \max\{|-3\hat{a}^2\hat{R} + 2\hat{R} + 2\hat{\lambda}_i\hat{a}|,\ 2\hat{R} + 2\hat{\lambda}_i\hat{a}\} = 2(\hat{R} + \hat{\lambda}_i\hat{a}),$$

$$\left\|-V\hat{a}^2 + V''\right\|_\infty = \left\|-\hat{a}^2 - 2 + \hat{a}^2x^2\right\|_\infty = \max\{\hat{a}^2 + 2,\ 2\} = \hat{a}^2 + 2,$$

$$\left\|\hat{\lambda}_i - 3\hat{a}\hat{R}V\right\|_\infty = \left\|\hat{\lambda}_i - 3\hat{a}\hat{R} + 3\hat{a}\hat{R}x^2\right\|_\infty = \max\{|\hat{\lambda}_i - 3\hat{a}\hat{R}|,\ \hat{\lambda}_i\} = 3\hat{a}\hat{R} - \hat{\lambda}_i,$$

$$\left\|3\hat{a}^2V + V''\right\|_\infty = \left\|3\hat{a}^2 - 2 - 3\hat{a}^2x^2\right\|_\infty = \max\{3\hat{a}^2 - 2, 2\} = 2,$$

it follows that

$$\begin{aligned}
\|q_2^*u\| &\leq \left(\hat{R} + 2(\hat{R} + \hat{\lambda}_i\hat{a})C_p\right)\|u\|_{H_0^2}\,|a_*| + \frac{\hat{a}}{s_r}\left(1 + (\hat{a}^2 + 2)C_p\right)\|u\|_{H_0^2}|R_*| \\
&\quad + \frac{1}{s_l}\left(1 + \hat{a}^2C_p\right)\|u\|_{H_0^2}|\lambda_i^*| + (3\hat{a}\hat{R} - \hat{\lambda}_i)C_p\|u\|_{H_0^2}\,|a_*| + \hat{R}C_p\|u\|_{H_0^2}\,|a_*| \\
&\quad + \frac{1}{s_r}\left(1 + 2C_p\right)\|u\|_{H_0^2}|a_*| + \frac{3\hat{a}}{s_r}C_p\|u\|_{H_0^2}|a_*| \\
&\quad + \frac{1}{s_r}C_p\|u\|_{H_0^2}\,|a_*| + \frac{2\hat{a}}{s_l}C_p\|u\|_{H_0^2}\,|a_*| + \frac{1}{s_l}C_p\|u\|_{H_0^2}|a_*| \\[2mm]
&\leq \frac{1}{2}\bigg(\hat{R} + 2(\hat{R} + \hat{\lambda}_i\hat{a})C_p + \frac{\hat{a}}{s_r}\left(1 + (\hat{a}^2 + 2)C_p\right) + \frac{1}{s_l}\left(1 + \hat{a}^2C_p\right) + (3\hat{a}\hat{R} - \hat{\lambda}_i)C_p + \hat{R}C_p \\
&\qquad + \frac{1}{s_r}\left(1 + 2C_p\right) + \frac{3\hat{a}}{s_r}C_p + \frac{C_p}{s_r} + \frac{2\hat{a}}{s_l}C_p + \frac{C_p}{s_l}\bigg)\|w^*\|_X^2 \\[2mm]
&= \frac{1}{2}\bigg(\hat{R} + 2\hat{R}C_p + 2\hat{\lambda}_i\hat{a}C_p + 3\hat{a}\hat{R}C_p - \hat{\lambda}_iC_p + \hat{R}C_p \\
&\qquad + \frac{1}{s_r}\left(\hat{a} + \hat{a}^3C_p + 2\hat{a}C_p + 1 + 2C_p + 3\hat{a}C_p + C_p\right) + \frac{1}{s_l}\left(1 + \hat{a}^2C_p + 2\hat{a}C_p + C_p\right)\bigg)\|w^*\|_X^2 \\[2mm]
&= \frac{1}{2}\bigg(\hat{R} + 3\hat{R}C_p + 2\hat{\lambda}_i\hat{a}C_p + 3\hat{a}\hat{R}C_p - \hat{\lambda}_iC_p \\
&\qquad + \frac{1}{s_r}\left(\hat{a} + \hat{a}^3C_p + 5\hat{a}C_p + 1 + 3C_p\right) + \frac{1}{s_l}\left(1 + C_p(1 + \hat{a})^2\right)\bigg)\|w^*\|_X^2.
\end{aligned}$$

$$\begin{aligned}
\|q_3^*u\| &= \bigg\|2(-3\hat{R}\hat{a}V + \hat{\mu}_i\hat{a} + \hat{\lambda}_i)ua_* - R_*/s_r[V(-D^2 + 3\hat{a}^2) + V'']u + 2\lambda_i^*/s_l\hat{a}u + \mu_i^*/s_m(-D^2 + \hat{a}^2)u \\
&\qquad + (-3\hat{R}V + \hat{\mu}_i)ua_*^2 - 6R_*/s_r\hat{a}Vua_* - 3R_*/s_rVua_*^2 + 2\mu_i^*/s_m\hat{a}ua_* + \mu_i^*/s_mua_*^2 + 2\lambda_i^*/s_lua_*\bigg\| \\[2mm]
&\leq 2\left\|(-3\hat{R}\hat{a}V + \hat{\mu}_i\hat{a} + \hat{\lambda}_i)u\right\|\,|a_*| + \frac{1}{s_r}\left\|[V(-D^2 + 3\hat{a}^2) + V'']u\right\|\,|R_*| + \frac{2\hat{a}}{s_l}\|u\|\,|\lambda_i^*| \\
&\quad + \frac{1}{s_m}\left\|(-D^2 + \hat{a}^2)u\right\|\,|\mu_i^*| + \left\|(-3\hat{R}V + \hat{\mu}_i)u\right\|\,|a_*|^2 + \frac{6\hat{a}}{s_r}\|Vu\|\,|a_*|\,|R_*| + \frac{3}{s_r}\|Vu\|\,|a_*|^2\,|R_*| \\
&\quad + \frac{2\hat{a}}{s_m}\|u\|\,|\mu_i^*|\,|a_*| + \frac{1}{s_m}\|u\|\,|\mu_i^*|\,|a_*|^2 + \frac{2}{s_l}\|u\|\,|\lambda_i^*|\,|a_*| \\[2mm]
&\leq 2\left\|-3\hat{R}\hat{a}V + \hat{\mu}_i\hat{a} + \hat{\lambda}_i\right\|_\infty\|u\|\,|a_*| + \frac{1}{s_r}\left(\|V\|_\infty\|D^2u\| + \left\|3V\hat{a}^2 + V''\right\|_\infty\|u\|\right)|R_*| \\
&\quad + \frac{2\hat{a}}{s_l}\|u\|\,|\lambda_i^*| + \frac{1}{s_m}\left(\|D^2u\| + \hat{a}^2\|u\|\right)|\mu_i^*| + \left\|-3\hat{R}V + \hat{\mu}_i\right\|_\infty\|u\|\,|a_*| \\
&\quad + \frac{6\hat{a}}{s_r}\|V\|_\infty\|u\|\,|a_*| + \frac{3}{s_r}\|V\|_\infty\|u\|\,|a_*| + \frac{2\hat{a}}{s_m}\|u\|\,|\mu_i^*| + \frac{1}{s_m}\|u\|\,|\mu_i^*| + \frac{2}{s_l}\|u\|\,|\lambda_i^*|.
\end{aligned}$$

Then the fact

$$\left\|-3\hat{R}\hat{a}V + \hat{\mu}_i\hat{a} + \hat{\lambda}_i\right\|_\infty = \left\|-3\hat{R}\hat{a} + \hat{\mu}_i\hat{a} + \hat{\lambda}_i + 3\hat{R}\hat{a}x^2\right\|_\infty = \max\{|-3\hat{R}\hat{a} + \hat{\mu}_i\hat{a} + \hat{\lambda}_i|,\ \hat{\mu}_i\hat{a} + \hat{\lambda}_i\} = 3\hat{R}\hat{a} - \hat{\mu}_i\hat{a} - \hat{\lambda}_i,$$

$$\|V\|_\infty = 1,$$

$$\left\|3V\hat{a}^2 + V''\right\|_\infty = 2,$$

$$\left\|-3\hat{R}V + \hat{\mu}_i\right\|_\infty = \left\|-3\hat{R} + \hat{\mu}_i + 3\hat{R}x^2\right\|_\infty = \max\{\hat{\mu}_i,\ |-3\hat{R} + \hat{\mu}_i|\} = 3\hat{R} - \hat{\mu}_i$$

give us

$$\|q_3^* u\| \leq 2(3\hat{R}\hat{a} - \hat{\mu}_i\hat{a} - \hat{\lambda}_i)\|u\|\,|a_*| + \frac{1}{s_r}\Big(\|D^2 u\| + 2\|u\|\Big)\,|R_*|$$

$$+ \frac{2\hat{a}}{s_l}\|u\|\,|\lambda_i^*| + \frac{1}{s_m}\Big(\|u\|_{H_0^2} + \hat{a}^2\|u\|\Big)|\mu_i^*| + (3\hat{R} - \hat{\mu}_i)\|u\|\,|a_*|$$

$$+ \frac{6\hat{a}}{s_r}\|u\|\,|a_*| + \frac{3}{s_r}\|u\|\,|a_*| + \frac{2\hat{a}}{s_m}\|u\|\,|\mu_i^*| + \frac{1}{s_m}\|u\|\,|\mu_i^*| + \frac{2}{s_l}\|u\|\,|\lambda_i^*|$$

$$\leq 2(3\hat{R}\hat{a} - \hat{\mu}_i\hat{a} - \hat{\lambda}_i)C_p\|u\|_{H_0^2}\,|a_*| + \frac{1}{s_r}\Big(\|u\|_{H_0^2} + 2C_p\|u\|_{H_0^2}\Big)\,|R_*|$$

$$+ \frac{2\hat{a}}{s_l}C_p\|u\|_{H_0^2}\,|\lambda_i^*| + \frac{1}{s_m}\Big(\|u\|_{H_0^2} + \hat{a}^2 C_p\|u\|_{H_0^2}\Big)|\mu_i^*| + (3\hat{R} - \hat{\mu}_i)C_p\|u\|_{H_0^2}\,|a_*|$$

$$+ \frac{6\hat{a}}{s_r}C_p\|u\|_{H_0^2}\,|a_*| + \frac{3}{s_r}C_p\|u\|_{H_0^2}\,|a_*| + \frac{2\hat{a}}{s_m}C_p\|u\|_{H_0^2}\,|\mu_i^*| + \frac{1}{s_m}C_p\|u\|_{H_0^2}\,|\mu_i^*| + \frac{2}{s_l}C_p\|u\|_{H_0^2}\,|\lambda_i^*|$$

$$\leq \frac{1}{2}\Big(2(3\hat{R}\hat{a} - \hat{\mu}_i\hat{a} - \hat{\lambda}_i)C_p + \frac{1}{s_r}\Big(1 + 2C_p\Big) + \frac{2\hat{a}}{s_l}C_p + \frac{1}{s_m}\Big(1 + \hat{a}^2 C_p\Big) + (3\hat{R} - \hat{\mu}_i)C_p$$

$$+ \frac{6\hat{a}}{s_r}C_p + \frac{3}{s_r}C_p + \frac{2\hat{a}}{s_m}C_p + \frac{1}{s_m}C_p + \frac{2}{s_l}C_p\Big)\|w^*\|_X^2$$

$$= \frac{1}{2}\Big((6\hat{R}\hat{a} - 2\hat{\mu}_i\hat{a} - 2\hat{\lambda}_i + 3\hat{R} - \hat{\mu}_i)C_p + \frac{1}{s_r}\Big(1 + 2C_p + 6\hat{a}C_p + 3C_p\Big) + \frac{1}{s_l}\Big(2\hat{a}C_p + 2C_p\Big)$$

$$+ \frac{1}{s_m}\Big(1 + \hat{a}^2 C_p + 2\hat{a}C_p + C_p\Big)\Big)\|w^*\|_X^2$$

$$= \frac{1}{2}\Big((6\hat{R}\hat{a} - 2\hat{\mu}_i\hat{a} - 2\hat{\lambda}_i + 3\hat{R} - \hat{\mu}_i)C_p + \frac{1}{s_r}\Big(1 + 5C_p + 6\hat{a}C_p\Big) + \frac{2C_p}{s_l}\Big(\hat{a} + 1\Big)$$

$$+ \frac{1}{s_m}\Big(1 + (1 + \hat{a})^2 C_p\Big)\Big)\|w^*\|_X^2.$$

$$\|q_4^* u\| = \| - 4a_*(-D^2 + 3\hat{a}^2)u - 12\hat{a}ua_*^2 - 4ua_*^3\|$$

$$\leq 4\|(-D^2 + 3\hat{a}^2)u\|\,|a_*| + 12\hat{a}\|u\|\,|a_*|^2 + 4\|u\|\,|a_*|^3$$

$$\leq 4(\|D^2 u\| + 3\hat{a}^2\|u\|)\,|a_*| + 12\hat{a}\|u\|\,|a_*| + 4\|u\|\,|a_*|$$

$$\leq 4(\|u\|_{H_0^2} + 3\hat{a}^2 C_p\|u\|_{H_0^2})\,|a_*| + 12\hat{a}C_p\|u\|_{H_0^2}\,|a_*| + 4C_p\|u\|_{H_0^2}\,|a_*|$$

$$= 4(1 + 3\hat{a}^2 C_p)\|u\|_{H_0^2}|a_*| + 12\hat{a}C_p\|u\|_{H_0^2}\,|a_*| + 4C_p\|u\|_{H_0^2}\,|a_*|$$

$$\leq \frac{1}{2}\Big(4(1 + 3\hat{a}^2 C_p) + 12\hat{a}C_p + 4C_p\Big)\|w^*\|_X^2$$

$$= 2\Big(1 + 3\hat{a}^2 C_p + 3\hat{a}C_p + C_p\Big)\|w^*\|_X^2.$$

Therefore denoting functions $J_k : S_h \to \mathbb{R}$, and parameters $\hat{\gamma}_k$ for $k = 1, \cdots, 4$ by

$$J_1(u) := s_u\Big(2\|(-D^2 + 3\hat{a}^2)u\| + (4\hat{a} + 1)\|u\|\Big),$$

$$J_2(u) := s_u\Big(\|(\hat{\lambda}_i - 3\hat{a}\hat{R}V)u\| + \frac{1}{2s_r}\|(V(-D^2 + 3\hat{a}^2) + V'')u\|$$

$$+ \Big(\hat{R} + \frac{3\hat{a}}{2s_r} + \frac{1}{2s_r}\Big)\|Vu\| + \Big(\frac{\hat{a}}{s_l} + \frac{1}{2s_l}\Big)\|u\|\Big),$$

$$J_3(u) := s_u\Big(\|(-3\hat{R}V + \hat{\mu}_i)u\| + \frac{3}{s_r}\Big(\hat{a} + \frac{1}{2}\Big)\|Vu\| + \Big(\frac{\hat{a}}{s_m} + \frac{1}{2s_m} + \frac{1}{s_l}\Big)\|u\|\Big),$$

$$J_4(u) := s_u\Big(4(3\hat{a} + 1)\|u\|\Big),$$

$$\hat{\gamma}_1 := \frac{1}{2}\Big(4\hat{a}(1 + \hat{a}^2 C_p) + 2(1 + 3\hat{a}^2 C_p) + 4\hat{a}C_p + C_p\Big),$$

$$\hat{\gamma}_2 := \frac{1}{2}\bigg( \hat{R} + 3\hat{R}C_p + 2\hat{\lambda}_i\hat{a}C_p + 3\hat{a}\hat{R}C_p - \hat{\lambda}_iC_p$$

$$+ \frac{1}{s_r}\bigg( \hat{a} + \hat{a}^3C_p + 5\hat{a}C_p + 1 + 3C_p \bigg) + \frac{1}{s_l}\bigg( 1 + C_p(1+\hat{a})^2 \bigg) \bigg),$$

$$\hat{\gamma}_3 := \frac{1}{2}\bigg( (6\hat{R}\hat{a} - 2\hat{\mu}_i\hat{a} - 2\hat{\lambda}_i + 3\hat{R} - \hat{\mu}_i)C_p + \frac{1}{s_r}\bigg( 1 + 5C_p + 6\hat{a}C_p \bigg) + \frac{2C_p}{s_l}\bigg( \hat{a} + 1 \bigg)$$

$$+ \frac{1}{s_m}\bigg( 1 + (1+\hat{a})^2C_p \bigg) \bigg),$$

$$\hat{\gamma}_4 := 2\bigg( 1 + 3\hat{a}^2C_p + 3\hat{a}C_p + C_p \bigg),$$

respectively, we obtain

$$\bigg\| s_u(q_1^* - q_1'^*)\hat{u}_r + s_u(-q_2^* + q_2'^*)\hat{u}_i + q_1^*u_r^* - q_2^*u_i^* \bigg\| \le (J_1(\hat{u}_r) + J_2(\hat{u}_i) + \hat{\gamma}_1 + \hat{\gamma}_2)\|w^*\|_X^2,$$

$$\bigg\| s_u(q_2^* - q_2'^*)\hat{u}_r + s_u(q_1^* - q_1'^*)\hat{u}_i + q_2^*u_r^* + q_1^*u_i^* \bigg\| \le (J_2(\hat{u}_r) + J_1(\hat{u}_i) + \hat{\gamma}_1 + \hat{\gamma}_2)\|w^*\|_X^2,$$

$$\bigg\| s_u(q_4^* - q_4'^*)\hat{u}_r + s_u(-q_3^* + q_3'^*)\hat{u}_i + s_u(q_1^* - q_1'^*)\hat{v}_r + s_u(-q_2^* + q_2'^*)\hat{v}_i + q_4^*u_r^* - q_3^*u_i^* + q_1^*v_r^* - q_2^*v_i^* \bigg\|$$

$$\le (J_4(\hat{u}_r) + J_3(\hat{u}_i) + J_1(\hat{v}_r) + J_2(\hat{v}_i) + \hat{\gamma}_1 + \hat{\gamma}_2 + \hat{\gamma}_3 + \hat{\gamma}_4)\|w^*\|_X^2,$$

$$\bigg\| s_u(q_3^* - q_3'^*)\hat{u}_r + s_u(q_4^* - q_4'^*)\hat{u}_i + s_u(q_2^* - q_2'^*)\hat{v}_r + s_u(q_1^* - q_1'^*)\hat{v}_i + q_3^*u_r^* + q_4^*u_i^* + q_2^*v_r^* + q_1^*v_i^* \bigg\|$$

$$\le (J_3(\hat{u}_r) + J_4(\hat{u}_i) + J_2(\hat{v}_r) + J_1(\hat{v}_i) + \hat{\gamma}_1 + \hat{\gamma}_2 + \hat{\gamma}_3 + \hat{\gamma}_4)\|w^*\|_X^2.$$

Consequently $\gamma > 0$ satisfying (1) can be taken as

$$\gamma = \bigg( (J_1(\hat{u}_r) + J_2(\hat{u}_i) + \hat{\gamma}_1 + \hat{\gamma}_2)^2 + (J_2(\hat{u}_r) + J_1(\hat{u}_i) + \hat{\gamma}_1 + \hat{\gamma}_2)^2$$

$$+ (J_4(\hat{u}_r) + J_3(\hat{u}_i) + J_1(\hat{v}_r) + J_2(\hat{v}_i) + \hat{\gamma}_1 + \hat{\gamma}_2 + \hat{\gamma}_3 + \hat{\gamma}_4)^2$$

$$+ (J_3(\hat{u}_r) + J_4(\hat{u}_i) + J_2(\hat{v}_r) + J_1(\hat{v}_i) + \hat{\gamma}_1 + \hat{\gamma}_2 + \hat{\gamma}_3 + \hat{\gamma}_4)^2 \bigg)^{1/2}.$$

### INTLAB codes

"gamma_bound.m"

```
function s = gamma_bound(K,ur,ui,vr,vi,a,R,mu,lambda,...
 B1,B2,B3,B4,B7,B10,B11,B12,su,sr,sl,sm,Cp)
    u = intval('1');

    L = [-1; 0; 3*a^2; 0];  % (type a)
    aur = L2_norm(K,ur,L,B1,B2,B3,B4,B7,B10,B11,B12);
    aui = L2_norm(K,ui,L,B1,B2,B3,B4,B7,B10,B11,B12);
    avr = L2_norm(K,vr,L,B1,B2,B3,B4,B7,B10,B11,B12);
    avi = L2_norm(K,vi,L,B1,B2,B3,B4,B7,B10,B11,B12);

    L = [0; 0; 1; 0];  % (type b)
    bur = L2_norm(K,ur,L,B1,B2,B3,B4,B7,B10,B11,B12);
    bui = L2_norm(K,ui,L,B1,B2,B3,B4,B7,B10,B11,B12);
    bvr = L2_norm(K,vr,L,B1,B2,B3,B4,B7,B10,B11,B12);
    bvi = L2_norm(K,vi,L,B1,B2,B3,B4,B7,B10,B11,B12);

    J1ur = su*(2*aur + (4*a+1)*bur);
    J1ui = su*(2*aui + (4*a+1)*bui);
    J1vr = su*(2*avr + (4*a+1)*bvr);
    J1vi = su*(2*avi + (4*a+1)*bvi);

    L = [0; 0; lambda-3*a*R; 3*a*R]; % (type c)
    cur = L2_norm(K,ur,L,B1,B2,B3,B4,B7,B10,B11,B12);
    cui = L2_norm(K,ui,L,B1,B2,B3,B4,B7,B10,B11,B12);
    cvr = L2_norm(K,vr,L,B1,B2,B3,B4,B7,B10,B11,B12);
    cvi = L2_norm(K,vi,L,B1,B2,B3,B4,B7,B10,B11,B12);

    L = [-1; 1; 3*a^2-2; -3*a^2]; % (type d)
    dur = L2_norm(K,ur,L,B1,B2,B3,B4,B7,B10,B11,B12);
    dui = L2_norm(K,ui,L,B1,B2,B3,B4,B7,B10,B11,B12);
    dvr = L2_norm(K,vr,L,B1,B2,B3,B4,B7,B10,B11,B12);
    dvi = L2_norm(K,vi,L,B1,B2,B3,B4,B7,B10,B11,B12);

    L = [0; 0; 1; -1]; % (type e)
    eur = L2_norm(K,ur,L,B1,B2,B3,B4,B7,B10,B11,B12);
    eui = L2_norm(K,ui,L,B1,B2,B3,B4,B7,B10,B11,B12);
    evr = L2_norm(K,vr,L,B1,B2,B3,B4,B7,B10,B11,B12);
    evi = L2_norm(K,vi,L,B1,B2,B3,B4,B7,B10,B11,B12);

    J2ur = su*(cur + dur/(2*sr) + (R+(3*a)/(2*sr)+u/(2*sr))*eur ...
        + (a/sl+u/(2*sl))*bur);
    J2ui = su*(cui + dui/(2*sr) + (R+(3*a)/(2*sr)+u/(2*sr))*eui ...
        + (a/sl+u/(2*sl))*bui);
    J2vr = su*(cvr + dvr/(2*sr) + (R+(3*a)/(2*sr)+u/(2*sr))*evr ...
        + (a/sl+u/(2*sl))*bvr);
    J2vi = su*(cvi + dvi/(2*sr) + (R+(3*a)/(2*sr)+u/(2*sr))*evi ...
        + (a/sl+u/(2*sl))*bvi);

    L = [0; 0; -3*R+mu; 3*R]; % (type f)
    fur = L2_norm(K,ur,L,B1,B2,B3,B4,B7,B10,B11,B12);
    fui = L2_norm(K,ui,L,B1,B2,B3,B4,B7,B10,B11,B12);

    J3ur = su*(fur + 3/sr*(a+u/2)*eur+(a/sm+u/(2*sm)+u/sl)*bur);
    J3ui = su*(fui + 3/sr*(a+u/2)*eui+(a/sm+u/(2*sm)+u/sl)*bui);
```

```
    J4ur = su*(4*(3*a+1)*bur);
    J4ui = su*(4*(3*a+1)*bui);

    g1 = ( 4*a*(1+a^2*Cp) + 2*(1+3*a^2*Cp) + 4*a*Cp + Cp )/2;
    g2 = ( R + 3*R*Cp + 2*lambda*a*Cp + 3*a*R*Cp - lambda*Cp ...
          + (a + a^3*Cp + 5*a*Cp + 1 + 3*Cp)/sr + (1 + Cp*(1+a)^2)/sl )/2;
    g3 = ( (6*R*a-2*mu*a-2*lambda+3*R-mu)*Cp + (1+5*Cp+6*a*Cp)/sr ...
          + 2*Cp/sl*(a+1) + (1 + (1+a)^2*Cp)/sm )/2;
    g4 = 2*(1+3*a^2*Cp+3*a*Cp+Cp);

   s = sqrt( (J1ur + J2ui + g1 + g2)^2 + (J2ur + J1ui + g1 + g2)^2 + ...
         (J4ur + J3ui + J1vr + J2vi + g1 + g2 + g3 + g4)^2 + ...
         (J3ur + J4ui + J2vr + J1vi + g1 + g2 + g3 + g4)^2 );
end


function s = L2_norm(K,u,L,B1,B2,B3,B4,B7,B10,B11,B12)
  Id = intval(eye(K));
  D = L(1)*(L(1)*Id  + L(2)*B10  + L(3)*B2 + L(4)*B3 ) + ...
      L(2)*(L(1)*B10 + L(2)*B11  + L(3)*B3 + L(4)*B12) + ...
      L(3)*(L(1)*B2  + L(2)*B3'  + L(3)*B1 + L(4)*B4 ) + ...
      L(4)*(L(1)*B3' + L(2)*B12' + L(3)*B4 + L(4)*B7 );
  s = sqrt(u'*D*u);
end
```

```
"ex01.m"
--------------------------------------------------------------------------------
format long;
intvalinit('DisplayInfsup');
intvalinit('SharpIVmult');

% -=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
%    setting parameters
% -=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
K = 200;
zv = intval(zeros(K,1));  Id = intval(eye(K));  zm = intval(zeros(K));
su = intval('5');
sr = intval('1')/5000;
sl = intval('1')/1000;
sm = intval('1')/2000;


% -=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
%    setting constants
% -=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
C = sqrt(c3(2*K+2));
Cp = 4/intval('pi')^2;
fprintf('      Constant C(N):%15.5e\n',sup(C))


% -=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
%    reading matrices and approximate solution
% -=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
load('B.mat');
[a,R,lambda,mu,ur,ui,vr,vi] = input_approximate_solution(K);


% -=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
%    obtaining gamma for verification
% -=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
  gamma = gamma_bound(K,ur,ui,vr,vi,a,R,mu,lambda,...
                  B1,B2,B3,B4,B7,B10,B11,B12,su,sr,sl,sm,Cp);
fprintf('            gamma:%15.5e\n',sup(gamma))
```

```
"c3.m"
```
```
function s = c3(K)
 u = intval('1');
 s = u/(sqrt(2*u*K-5)*(2*K-3)*(2*K-1)*(2*K+1)*sqrt(2*u*K+3)) + ...
     4*u/((2*K-3)*sqrt(2*u*K-1)*(2*K+1)*sqrt(2*u*K+3)*(2*K+5)) + ...
     6*u/((2*K-1)*(2*K+1)*(2*K+5)*(2*K+7)) + ...
     4*u/((2*K+1)*sqrt(2*u*K+3)*(2*K+5)*sqrt(2*u*K+7)*(2*K+9)) + ...
     u/(sqrt(2*u*K+3)*(2*K+5)*(2*K+7)*(2*K+9)*sqrt(2*u*K+11));
```

```
"input_approximate_solution.m "
```
```
function [a,R,lambda,mu,ur,ui,vr,vi] = input_approximate_solution(K);
  zv = intval(zeros(K,1)); ur = zv;  ui = zv;   vr = zv;  vi = zv;
  ur(1) = intval('0.1');
  ur(2) = intval('0.1223190186782118849618650198566');
  ur(3) = intval('0.0831343502355210167185885966383');
  ur(4) = intval('0.0325979739955479255467041287216');
  ur(5) = intval('0.0051583174932419535344341766597');
  ur(6) = intval('0.0015050996786060211166715864069');
  ur(7) = intval('0.0022063706610669768214169896852');
  ur(8) = intval('-0.0031115490159446549567203689771');
  ur(9) = intval('-0.0082265566241034131113066279123');
  ur(10) = intval('-0.00633501136748786168963482098403');
  ur(11) = intval('-0.00092250640182942934204817109796');
  ur(12) = intval('0.001475031970651358551253643754140');
  ur(13) = intval('0.000441581813148116268727739497040');
  ur(14) = intval('-0.00054305278042392785386990052429');
  ur(15) = intval('-0.00024205241558924609912992562317');
  ur(16) = intval('0.000178441699610844602122018048506');
  ur(17) = intval('0.000106735030692787293824657937598');
  ur(18) = intval('-0.000044594245053400125094800418260');
  ur(19) = intval('-0.000030444361074230695983102232282');
  ur(20) = intval('0.000012549028409887141018690758031');
  ur(21) = intval('7.203082791380070895865359042250e-6');
  ur(22) = intval('-3.487331014356776330703725071100e-6');
  ur(23) = intval('-1.318654553236574080686290028550e-6');
  ur(24) = intval('8.733976005923464317351381892760e-7');
  ur(25) = intval('1.493310942748034701708774715340e-7');
  ur(26) = intval('-1.839305638563061975676626256030e-7');
  ur(27) = intval('2.838057025413633423874791202680e-9');
  ur(28) = intval('2.982974607052413660411894816720e-8');
  ur(29) = intval('-5.825278536906046725176096542860e-9');
  ur(30) = intval('-3.250679445092980595553583013140e-9');
  ur(31) = intval('1.445661857339855243767747337290e-9');
  ur(32) = intval('1.264270234379105795166884780640e-10');
  ur(33) = intval('-2.037934758686889758470241932140e-10');
  ur(34) = intval('2.912608135452472438858882791330e-11');
  ur(35) = intval('1.593662137221049982842115413060e-11');
  ur(36) = intval('-6.541933621471704057880286437860e-12');
  ur(37) = intval('-9.906279018288031419589852971070e-14');
  ur(38) = intval('6.295255767842619994760537781380e-13');
  ur(39) = intval('-1.336390072053844902696371653380e-13');
  ur(40) = intval('-2.228255423174081982022057636360e-14');
  ur(41) = intval('1.565510040799208484572574059130e-14');
  ur(42) = intval('-1.867296455582487271138973760620e-15');
  ur(43) = intval('-7.009312122348184394359292907930e-16');
  ur(44) = intval('2.854347510562899723982553808640e-16');
```

```
ur(45) = intval('-1.8369328089333607207798996133e-17');
ur(46) = intval('-1.3625515577118924496751376408e-17');
ur(47) = intval('4.1072647660521962002587470099e-18');
ur(48) = intval('-1.3214321351662429926918979162e-19');
ur(49) = intval('-1.9346194145493880653481161457e-19');
ur(50) = intval('4.8731253988432760562144788036e-20');
ur(51) = intval('-8.6758687859181842005913519567e-22');
ur(52) = intval('-2.1312043112208086598955583755e-21');
ur(53) = intval('4.8858949197354200019347754953e-22');
ur(54) = intval('-8.7739660533714542269001218930e-24');
ur(55) = intval('-1.8702980571265017941769210561e-23');
ur(56) = intval('4.1794431961164406174399907895e-24');
ur(57) = intval('-1.2037011143737356672062018576e-25');
ur(58) = intval('-1.3192129871738746793150670980e-25');
ur(59) = intval('3.0473411119543822721568001735e-26');
ur(60) = intval('-1.4069565290642967740975875416e-27');
ur(61) = intval('-7.4388126039389112945678748865e-28');
ur(62) = intval('1.8810797229403016633156710310e-28');
ur(63) = intval('-1.2595257084988533441530015308e-29');
ur(64) = intval('-3.2775707126521983515164260674e-30');

ui(2)  = intval('-0.004954142203236868984397668040127');
ui(3)  = intval('-0.0210320778609878822582744550415');
ui(4)  = intval('-0.0437067680877845176196083542637');
ui(5)  = intval('-0.0558000732496602738730290723857');
ui(6)  = intval('-0.0450500131719108465727120723996');
ui(7)  = intval('-0.0199409686613644658716097720142');
ui(8)  = intval('-0.000753751927572690032365955974722');
ui(9)  = intval('0.00306795080263182057144472063512');
ui(10) = intval('-0.000751585544466809716387005899431');
ui(11) = intval('-0.00200808718392950782935470965053');
ui(12) = intval('0.0000809488712457127698653406121801');
ui(13) = intval('0.00124422847854458103289202406302');
ui(14) = intval('0.000453410929205615472216266073012');
ui(15) = intval('-0.000296634095475635652012965443606');
ui(16) = intval('-0.000171454931476040512959008144656');
ui(17) = intval('0.0000853930575653180862082054345086');
ui(18) = intval('0.0000564805575650823864453599952694');
ui(19) = intval('-0.0000243252180010908808308126785793');
ui(20) = intval('-0.0000154245164429453125273403840326');
ui(21) = intval('6.62941097137070931684989523494e-6');
ui(22) = intval('3.21043992374647828365357480945e-6');
ui(23) = intval('-1.77088261603466149661510367854e-6');
ui(24) = intval('-4.82485468618873351106209557851e-7');
ui(25) = intval('4.12325838532302363821123735706e-7');
ui(26) = intval('3.10226443417188515088442677850e-8');
ui(27) = intval('-7.69848253992750477156468466524e-8');
ui(28) = intval('7.97490163875138698895773248230e-9');
ui(29) = intval('1.04988286157895088232559809432e-8');
ui(30) = intval('-3.16060020631234083206669310097e-9');
ui(31) = intval('-8.20543297063282047244155982102e-10');
ui(32) = intval('5.78342843638822139605195023887e-10');
ui(33) = intval('-2.09780833563197432669331442970e-11');
ui(34) = intval('-6.24519047407927624419110541015e-11');
ui(35) = intval('1.59377047906915687202901518255e-11');
ui(36) = intval('2.93621107810060506660278254149e-12');
ui(37) = intval('-2.21779499537755229715847707662e-12');
ui(38) = intval('2.26700825824429501569862731429e-13');
ui(39) = intval('1.43923154653560832911058028367e-13');
ui(40) = intval('-5.15597934915423613667253977164e-14');
ui(41) = intval('2.78581495190581907166930163972e-16');
ui(42) = intval('3.82466007172365063832803957932e-15');
```

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ui(43)  = intval('-8.84598312935831066119716392977e-16');
ui(44)  = intval('-6.19938879600372778319260952273e-17');
ui(45)  = intval('7.14820826924913044173182429583e-17');
ui(46)  = intval('-1.20880866082749380946060311055e-17');
ui(47)  = intval('-1.55798019753631909074033397773e-18');
ui(48)  = intval('1.02711979875938395594734233547e-18');
ui(49)  = intval('-1.39894607267705104062411945316e-19');
ui(50)  = intval('-2.29024148862753522279698438287e-20');
ui(51)  = intval('1.18530942837594835148247317245e-20');
ui(52)  = intval('-1.43305820954910400509614613392e-21');
ui(53)  = intval('-2.38121359223769005929048434805e-22');
ui(54)  = intval('1.12355971575009222043781373088e-22');
ui(55)  = intval('-1.32167387937792361910381456359e-23');
ui(56)  = intval('-1.83029008914290095249353686455e-24');
ui(57)  = intval('8.83145525396745085576842662117e-25');
ui(58)  = intval('-1.08610921439713876833840524811e-25');
ui(59)  = intval('-1.02242694130165071665281412677e-26');
ui(60)  = intval('5.76602887156321075442198873308e-27');
ui(61)  = intval('-7.77261329510762850100921783124e-28');
ui(62)  = intval('-3.64235458912775550903628618938e-29');
ui(63)  = intval('3.10601088222885022046134990023e-29');
ui(64)  = intval('-4.74023615189132565714835834845e-30');

vr(2)  = intval('0.131647232611364681830970297341');
vr(3)  = intval('0.184715539890095532386203501764');
vr(4)  = intval('0.145734540549864860748097886646');
vr(5)  = intval('0.070488952472700792740229143624');
vr(6)  = intval('0.017008516810542580750925460743');
vr(7)  = intval('-0.003896857480013544087409863416');
vr(8)  = intval('-0.012251770313477890817294443446');
vr(9)  = intval('-0.018581160933355528701542414820');
vr(10) = intval('-0.017194482243029283686989176997');
vr(11) = intval('-0.007263122145050101282454910552');
vr(12) = intval('0.001028138123731009457361884195');
vr(13) = intval('0.001591611091281613616031436288');
vr(14) = intval('-0.000821719200711359761856939714454');
vr(15) = intval('-0.000907211560625086170378348012453');
vr(16) = intval('0.000331045845864211559926281832208');
vr(17) = intval('0.000474406349612107947444400609119');
vr(18) = intval('-0.0000576872748477515202707082563229');
vr(19) = intval('-0.00015430067748818268613257668630');
vr(20) = intval('0.0000217480994253576811698859655459');
vr(21) = intval('0.0000453614897298218325989988750227');
vr(22) = intval('-9.27525563152850872988677838144e-6');
vr(23) = intval('-0.0000110769332172793538124593531054');
vr(24) = intval('3.47820150197428763164192964486e-6');
vr(25) = intval('2.04116355120058795077515387878e-6');
vr(26) = intval('-1.04932359907100797108214034437e-6');
vr(27) = intval('-2.30204627921853084821044751486e-7');
vr(28) = intval('2.36904346753856311049541190821e-7');
vr(29) = intval('-5.26961205832617024913060825115e-9');
vr(30) = intval('-3.76499093844808430212911983242e-8');
vr(31) = intval('8.71328746511703443380416931898e-9');
vr(32) = intval('3.53558516965888042959302600555e-9');
vr(33) = intval('-1.96668578593823711940358297391e-9');
vr(34) = intval('-4.18363998927851123703494510695e-12');
vr(35) = intval('2.37002239574967712151282350692e-10');
vr(36) = intval('-5.48227525332433671065388474340e-11');
vr(37) = intval('-1.24042596691927429548461281737e-11');
vr(38) = intval('8.46358406784490404905251470825e-12');
vr(39) = intval('-8.26272039799723297587846259451e-13');
vr(40) = intval('-5.67371687512717625489926546621e-13');
```

```
vr(41) = intval('2.0535273099829952719115678059e-13');
vr(42) = intval('-2.6556702243583200141147131602e-15');
vr(43) = intval('-1.5173647012670103304874204879e-14');
vr(44) = intval('3.7583831602442592984449932379e-15');
vr(45) = intval('1.7720811325272763352440786423e-16');
vr(46) = intval('-2.8982468694289408996281374894e-16');
vr(47) = intval('5.5555442516348422888812015134e-17');
vr(48) = intval('4.7385655909518648325717267551e-18');
vr(49) = intval('-4.2609326678061331262057720147e-18');
vr(50) = intval('6.9606547212149696674675334315e-19');
vr(51) = intval('6.8668118016634911943609400448e-20');
vr(52) = intval('-5.0012651240786676544097785311e-20');
vr(53) = intval('7.5915657832103903107154777149e-21');
vr(54) = intval('6.6615412453422467563748422763e-22');
vr(55) = intval('-4.7708009104022874116535668136e-22');
vr(56) = intval('7.2360885599357776392201657820e-23');
vr(57) = intval('4.3248532851262214748265095811e-24');
vr(58) = intval('-3.7216843945064168922795010531e-24');
vr(59) = intval('5.9604183636185352622665905901e-25');
vr(60) = intval('1.4593344833337475722837109146e-26');
vr(61) = intval('-2.3688485511700397308513317186e-26');
vr(62) = intval('4.1762189995121003778386959640e-27');
vr(63) = intval('-4.6284308037854040822700893481e-29');
vr(64) = intval('-1.2160407249379927956306342219e-28');
vr(65) = intval('2.4540958668008106415592953674e-29');
vr(66) = intval('-1.0760229458644874984893165060e-30');

vi(2) = intval('-0.0034697003621448864155510400452');
vi(3) = intval('-0.0197697077853412814766895448758');
vi(4) = intval('-0.0528477524309069255101230618403');
vi(5) = intval('-0.0876654228315199583621192081637');
vi(6) = intval('-0.0970177492829277614757408774717');
vi(7) = intval('-0.0705933124396857204217567562031');
vi(8) = intval('-0.0297040383121493189823468630266');
vi(9) = intval('-0.0039714616009258131061276326814');
vi(10) = intval('0.0001802065743918367882472417257954');
vi(11) = intval('-0.0021298184175632888132797761001');
vi(12) = intval('-0.0000888294053189734222527195416118');
vi(13) = intval('0.0028581956902287444200347230625');
vi(14) = intval('0.0019532503143843624651785868705705');
vi(15) = intval('-0.0003555723980895230021340052750605');
vi(16) = intval('-0.0006801668094168961892349481535825');
vi(17) = intval('0.0001205215800045162951032342536045');
vi(18) = intval('0.0002616768362401083524189769851285');
vi(19) = intval('-0.0000398582800076142610419387669578');
vi(20) = intval('-0.0000872266193157087861614031802146');
vi(21) = intval('0.0000138582049090976685204281975347');
vi(22) = intval('0.0000230439743730678699831347455642');
vi(23) = intval('-5.7748123004305473090001111703e-6');
vi(24) = intval('-4.9414697740042583412029809714e-6');
vi(25) = intval('1.9802754502525196047521361777e-6');
vi(26) = intval('7.5213498973343915344590179298e-7');
vi(27) = intval('-5.1832853438244352626131536219e-7');
vi(28) = intval('-4.6292080736361335860617608899e-8');
vi(29) = intval('9.9251830873453199358696792597e-8');
vi(30) = intval('-1.2452274146650408680598523573e-8');
vi(31) = intval('-1.2613948143807476150661664312e-8');
vi(32) = intval('4.5279161861122700426165483467e-9');
vi(33) = intval('7.0113201003757853477190018062e-10');
vi(34) = intval('-7.3620110918657412864890891717e-10');
vi(35) = intval('8.5602747553800899416164443422e-11');
```

```
   vi(36) = intval('6.3326410147784660919499198492e-11');
   vi(37) = intval('-2.4039091591028030975426613695e-11');
   vi(38) = intval('-6.9800171229050187322119220855e-13');
   vi(39) = intval('2.4576946697743707208947160230e-12');
   vi(40) = intval('-5.2101506294819032872034935142e-13');
   vi(41) = intval('-8.6380656847730431335986268343e-14');
   vi(42) = intval('6.2697001456577141560068025868e-14');
   vi(43) = intval('-8.1524056341169096133589557099e-15');
   vi(44) = intval('-2.6684667698639216662166779976e-15');
   vi(45) = intval('1.1899353144268396450909991691e-15');
   vi(46) = intval('-9.9432759604557265572088003839e-17');
   vi(47) = intval('-5.2132938492438968866586618082e-17');
   vi(48) = intval('1.7884202679414408826806999463e-17');
   vi(49) = intval('-1.0571479213425003996131362885e-18');
   vi(50) = intval('-7.4326003517668458462216114168e-19');
   vi(51) = intval('2.2054384173313634338714210205e-19');
   vi(52) = intval('-1.2406544404546800070268816070e-20');
   vi(53) = intval('-8.1438507082724734265308713967e-21');
   vi(54) = intval('2.2719207250437829481977205718e-21');
   vi(55) = intval('-1.2478165495154614349478521235e-22');
   vi(56) = intval('-6.9942041350078935146024704197e-23');
   vi(57) = intval('1.9660735198289372274024324645e-23');
   vi(58) = intval('-1.3183343055226011070824544457e-24');
   vi(59) = intval('-4.7077550662186529783942007780e-25');
   vi(60) = intval('1.4261495359920861601144393509e-25');
   vi(61) = intval('-1.2005400575412888765418173912e-26');
   vi(62) = intval('-2.4264045708430786325124013761e-27');
   vi(63) = intval('8.6120523917351971971461386969e-28');
   vi(64) = intval('-9.0062893293251762968582955973e-29');
   vi(65) = intval('-8.8346463774009789221707280761e-30');
   vi(66) = intval('4.2867375920647036018959858442e-30');

   a = intval('1.0205744928533350624946400663');
   R = intval('5772.2218162096982371337585663');
   lambda = intval('1555.1796647632219080912185234');
   mu = intval('2211.3312843803826175903063250');
```

```
"generate_B.m"
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
B1 = generate_B1;
B2 = generate_B2;
B3 = generate_B3;
B4 = generate_B4;
B5 = generate_B5;    % need not in this Lemma
B6 = generate_B6;    % need not in this Lemma
B7 = generate_B7;
B8 = generate_B8;    % need not in this Lemma
B9 = generate_B9;    % need not in this Lemma
B10 = generate_B10;
B11 = generate_B11;
B12 = generate_B12;
save('B.mat','B1','B2','B3','B4','B5','B6','B7','B8','B9','B10','B11','B12');
```

When

$$s_u = 5, \quad s_r = \frac{1}{5000}, \quad s_l = \frac{1}{1000}, \quad s_m = \frac{1}{2000},$$

we obtain

$$85817.937075187_3^8.$$

```
 "function generate_B1.m"
--------------------------------------------------------------------------------
 function B1 = generate_B1
 B1 = intval(zeros(200,200));
 B1(1,1) = intval('2')/(intval('63'));
 B1(2,1) = intval('-4')/(intval('693')*sqrt(intval('5')));
 B1(3,1) = intval('1')/(intval('693')*sqrt(intval('65')));
 B1(1,2) = intval('-4')/(intval('693')*sqrt(intval('5')));
 B1(2,2) = intval('6')/(intval('5005'));
 B1(3,2) = intval('-4')/(intval('3465')*sqrt(intval('13')));
 B1(4,2) = intval('1')/(intval('6435')*sqrt(intval('17')));
 B1(1,3) = intval('1')/(intval('693')*sqrt(intval('65')));
 B1(2,3) = intval('-4')/(intval('3465')*sqrt(intval('13')));
 B1(3,3) = intval('2')/(intval('8415'));
 B1(4,3) = intval('-4')/(intval('3135')*sqrt(intval('221')));
 B1(5,3) = intval('1')/(intval('4845')*sqrt(intval('273')));
 B1(2,4) = intval('1')/(intval('6435')*sqrt(intval('17')));
 B1(3,4) = intval('-4')/(intval('3135')*sqrt(intval('221')));
 B1(4,4) = intval('2')/(intval('25935'));
 B1(5,4) = intval('-4')/(intval('6555')*sqrt(intval('357')));
 B1(6,4) = intval('1')/(intval('45885')*sqrt(intval('17')));
 B1(3,5) = intval('1')/(intval('4845')*sqrt(intval('273')));
 B1(4,5) = intval('-4')/(intval('6555')*sqrt(intval('357')));
 B1(5,5) = intval('6')/(intval('185725'));
 B1(6,5) = intval('-4')/(intval('58995')*sqrt(intval('21')));
 B1(7,5) = intval('1')/(intval('15525')*sqrt(intval('609')));
 B1(4,6) = intval('1')/(intval('45885')*sqrt(intval('17')));
 B1(5,6) = intval('-4')/(intval('58995')*sqrt(intval('21')));
 B1(6,6) = intval('2')/(intval('126063'));
 B1(7,6) = intval('-4')/(intval('96255')*sqrt(intval('29')));
 B1(8,6) = intval('1')/(intval('121365')*sqrt(intval('33')));
 B1(5,7) = intval('1')/(intval('15525')*sqrt(intval('609')));
 B1(6,7) = intval('-4')/(intval('96255')*sqrt(intval('29')));
 B1(7,7) = intval('2')/(intval('230175'));
 B1(8,7) = intval('-4')/(intval('29295')*sqrt(intval('957')));
 B1(9,7) = intval('1')/(intval('35805')*sqrt(intval('1073')));
 B1(6,8) = intval('1')/(intval('121365')*sqrt(intval('33')));
 B1(7,8) = intval('-4')/(intval('29295')*sqrt(intval('957')));
 B1(8,8) = intval('6')/(intval('1164205'));
 B1(9,8) = intval('-4')/(intval('42315')*sqrt(intval('1221')));
 B1(10,8) = intval('1')/(intval('50505')*sqrt(intval('1353')));
 B1(7,9) = intval('1')/(intval('35805')*sqrt(intval('1073')));
 B1(8,9) = intval('-4')/(intval('42315')*sqrt(intval('1221')));
 B1(9,9) = intval('2')/(intval('615615'));
 B1(10,9) = intval('-4')/(intval('58695')*sqrt(intval('1517')));
 B1(11,9) = intval('1')/(intval('206271')*sqrt(intval('185')));
 B1(8,10) = intval('1')/(intval('50505')*sqrt(intval('1353')));
 B1(9,10) = intval('-4')/(intval('58695')*sqrt(intval('1517')));
 B1(10,10) = intval('2')/(intval('930735'));
 B1(11,10) = intval('-4')/(intval('236457')*sqrt(intval('205')));
 B1(12,10) = intval('1')/(intval('636615')*sqrt(intval('41')));
 B1(9,11) = intval('1')/(intval('206271')*sqrt(intval('185')));
 B1(10,11) = intval('-4')/(intval('236457')*sqrt(intval('205')));
 B1(11,11) = intval('6')/(intval('4060189'));
 B1(12,11) = intval('-4')/(intval('2164491')*sqrt(intval('5')));
 B1(13,11) = intval('1')/(intval('352359')*sqrt(intval('265')));
 B1(10,12) = intval('1')/(intval('636615')*sqrt(intval('41')));
 B1(11,12) = intval('-4')/(intval('2164491')*sqrt(intval('5')));
 B1(12,12) = intval('2')/(intval('1905615'));
 B1(13,12) = intval('-4')/(intval('922845')*sqrt(intval('53')));
 B1(14,12) = intval('1')/(intval('1040655')*sqrt(intval('57')));
 B1(11,13) = intval('1')/(intval('352359')*sqrt(intval('265')));
 B1(12,13) = intval('-4')/(intval('922845')*sqrt(intval('53')));
 B1(13,13) = intval('2')/(intval('2611455'));
 B1(14,13) = intval('-4')/(intval('165495')*sqrt(intval('3021')));
 B1(15,13) = intval('1')/(intval('184965')*sqrt(intval('3233')));
 B1(12,14) = intval('1')/(intval('1040655')*sqrt(intval('57')));
 B1(13,14) = intval('-4')/(intval('165495')*sqrt(intval('3021')));
 B1(14,14) = intval('6')/(intval('10491085'));
 B1(15,14) = intval('-4')/(intval('204435')*sqrt(intval('3477')));
 B1(16,14) = intval('1')/(intval('226737')*sqrt(intval('3705')));
 B1(13,15) = intval('1')/(intval('184965')*sqrt(intval('3233')));
 B1(14,15) = intval('-4')/(intval('204435')*sqrt(intval('3477')));
 B1(15,15) = intval('2')/(intval('4590495'));
 B1(16,15) = intval('-4')/(intval('249039')*sqrt(intval('3965')));
 B1(17,15) = intval('1')/(intval('274365')*sqrt(intval('4209')));
 B1(14,16) = intval('1')/(intval('226737')*sqrt(intval('3705')));
 B1(15,16) = intval('-4')/(intval('249039')*sqrt(intval('3965')));
 B1(16,16) = intval('2')/(intval('5922063'));
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B1(17,16) = intval('-4')/(intval('299691')*sqrt(intval('4485')));
B1(18,16) = intval('1')/(intval('328233')*sqrt(intval('4745')));
B1(15,17) = intval('1')/(intval('274365')*sqrt(intval('4209')));
B1(16,17) = intval('-4')/(intval('299691')*sqrt(intval('4485')));
B1(17,17) = intval('6')/(intval('22571965'));
B1(18,17) = intval('-4')/(intval('356775')*sqrt(intval('5037')));
B1(19,17) = intval('1')/(intval('388725')*sqrt(intval('5313')));
B1(16,18) = intval('1')/(intval('328233')*sqrt(intval('4745')));
B1(17,18) = intval('-4')/(intval('356775')*sqrt(intval('5037')));
B1(18,18) = intval('2')/(intval('9430575'));
B1(19,18) = intval('-4')/(intval('420675')*sqrt(intval('5621')));
B1(20,18) = intval('1')/(intval('4106025')*sqrt(intval('73')));
B1(17,19) = intval('1')/(intval('388725')*sqrt(intval('5313')));
B1(18,19) = intval('-4')/(intval('420675')*sqrt(intval('5621')));
B1(19,19) = intval('2')/(intval('11678175'));
B1(20,19) = intval('-4')/(intval('4425975')*sqrt(intval('77')));
B1(21,19) = intval('1')/(intval('531117')*sqrt(intval('6545')));
B1(18,20) = intval('1')/(intval('4106025')*sqrt(intval('73')));
B1(19,20) = intval('-4')/(intval('4425975')*sqrt(intval('77')));
B1(20,20) = intval('6')/(intval('42915565'));
B1(21,20) = intval('-4')/(intval('5134131')*sqrt(intval('85')));
B1(22,20) = intval('1')/(intval('5524065')*sqrt(intval('89')));
B1(19,21) = intval('1')/(intval('531117')*sqrt(intval('6545')));
B1(20,21) = intval('-4')/(intval('5134131')*sqrt(intval('85')));
B1(21,21) = intval('2')/(intval('17352063'));
B1(22,21) = intval('-4')/(intval('657111')*sqrt(intval('7565')));
B1(23,21) = intval('1')/(intval('704613')*sqrt(intval('7905')));
B1(20,22) = intval('1')/(intval('5524065')*sqrt(intval('89')));
B1(21,22) = intval('-4')/(intval('657111')*sqrt(intval('7565')));
B1(22,22) = intval('2')/(intval('20861295'));
B1(23,22) = intval('-4')/(intval('752115')*sqrt(intval('8277')));
B1(24,22) = intval('1')/(intval('803985')*sqrt(intval('8633')));
B1(21,23) = intval('1')/(intval('704613')*sqrt(intval('7905')));
B1(22,23) = intval('-4')/(intval('752115')*sqrt(intval('8277')));
B1(23,23) = intval('6')/(intval('74632285'));
B1(24,23) = intval('-4')/(intval('855855')*sqrt(intval('9021')));
B1(25,23) = intval('1')/(intval('912285')*sqrt(intval('9393')));
B1(22,24) = intval('1')/(intval('803985')*sqrt(intval('8633')));
B1(23,24) = intval('-4')/(intval('855855')*sqrt(intval('9021')));
B1(24,24) = intval('2')/(intval('29447055'));
B1(25,24) = intval('-4')/(intval('968715')*sqrt(intval('9797')));
B1(26,24) = intval('1')/(intval('1029897')*sqrt(intval('10185')));
B1(23,25) = intval('1')/(intval('912285')*sqrt(intval('9393')));
B1(24,25) = intval('-4')/(intval('968715')*sqrt(intval('9797')));
B1(25,25) = intval('2')/(intval('34618815'));
B1(26,25) = intval('-4')/(intval('1091079')*sqrt(intval('10605')));
B1(27,25) = intval('1')/(intval('1157205')*sqrt(intval('11009')));
B1(24,26) = intval('1')/(intval('1029897')*sqrt(intval('10185')));
B1(25,26) = intval('-4')/(intval('1091079')*sqrt(intval('10605')));
B1(26,26) = intval('6')/(intval('121330189'));
B1(27,26) = intval('-4')/(intval('1223331')*sqrt(intval('11445')));
B1(28,26) = intval('1')/(intval('1294593')*sqrt(intval('11865')));
B1(25,27) = intval('1')/(intval('1157205')*sqrt(intval('11009')));
B1(26,27) = intval('-4')/(intval('1223331')*sqrt(intval('11445')));
B1(27,27) = intval('2')/(intval('46973535'));
B1(28,27) = intval('-4')/(intval('1365855')*sqrt(intval('12317')));
B1(29,27) = intval('1')/(intval('4327335')*sqrt(intval('1417')));
B1(26,28) = intval('1')/(intval('1294593')*sqrt(intval('11865')));
B1(27,28) = intval('-4')/(intval('1365855')*sqrt(intval('12317')));
B1(28,28) = intval('2')/(intval('54264015'));
B1(29,28) = intval('-4')/(intval('4557105')*sqrt(intval('1469')));
B1(30,28) = intval('1')/(intval('17612595')*sqrt(intval('113')));
B1(27,29) = intval('1')/(intval('4327335')*sqrt(intval('1417')));
B1(28,29) = intval('-4')/(intval('4557105')*sqrt(intval('1469')));
B1(29,29) = intval('6')/(intval('187115005'));
B1(30,29) = intval('-4')/(intval('55547415')*sqrt(intval('13')));
B1(31,29) = intval('1')/(intval('26566155')*sqrt(intval('65')));
B1(28,30) = intval('1')/(intval('17612595')*sqrt(intval('113')));
B1(29,30) = intval('-4')/(intval('55547415')*sqrt(intval('13')));
B1(30,30) = intval('2')/(intval('71355375'));
B1(31,30) = intval('-4')/(intval('102239445')*sqrt(intval('5')));
B1(32,30) = intval('1')/(intval('21478875')*sqrt(intval('129')));
B1(29,31) = intval('1')/(intval('26566155')*sqrt(intval('65')));
B1(30,31) = intval('-4')/(intval('102239445')*sqrt(intval('5')));
B1(31,31) = intval('2')/(intval('81276063'));
B1(32,31) = intval('-4')/(intval('10231755')*sqrt(intval('645')));
B1(33,31) = intval('1')/(intval('10730865')*sqrt(intval('665')));
B1(30,32) = intval('1')/(intval('21478875')*sqrt(intval('129')));
B1(31,32) = intval('-4')/(intval('10231755')*sqrt(intval('645')));
B1(32,32) = intval('6')/(intval('276590125'));
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B1(33,32) = intval('-4')/(intval('2245995')*sqrt(intval('17157')));
B1(34,32) = intval('1')/(intval('2352105')*sqrt(intval('17673')));
B1(31,33) = intval('1')/(intval('10730865')*sqrt(intval('665')));
B1(32,33) = intval('-4')/(intval('2245995')*sqrt(intval('17157')));
B1(33,33) = intval('2')/(intval('104182335')));
B1(34,33) = intval('-4')/(intval('2458215')*sqrt(intval('18221')));
B1(35,33) = intval('1')/(intval('2570805')*sqrt(intval('18753')));
B1(32,34) = intval('1')/(intval('2352105')*sqrt(intval('17673')));
B1(33,34) = intval('-4')/(intval('2458215')*sqrt(intval('18221')));
B1(34,34) = intval('2')/(intval('117300015')));
B1(35,34) = intval('-4')/(intval('2683395')*sqrt(intval('19317')));
B1(36,34) = intval('1')/(intval('2802657')*sqrt(intval('19865')));
B1(33,35) = intval('1')/(intval('2570805')*sqrt(intval('18753')));
B1(34,35) = intval('-4')/(intval('2683395')*sqrt(intval('19317')));
B1(35,35) = intval('6')/(intval('394856605')));
B1(36,35) = intval('-4')/(intval('2921919')*sqrt(intval('20445')));
B1(37,35) = intval('1')/(intval('3048045')*sqrt(intval('21009')));
B1(34,36) = intval('1')/(intval('2802657')*sqrt(intval('19865')));
B1(35,36) = intval('-4')/(intval('2921919')*sqrt(intval('20445')));
B1(36,36) = intval('2')/(intval('147210063')));
B1(37,36) = intval('-4')/(intval('3174171')*sqrt(intval('21605')));
B1(38,36) = intval('1')/(intval('9922059')*sqrt(intval('2465')));
B1(35,37) = intval('1')/(intval('3048045')*sqrt(intval('21009')));
B1(36,37) = intval('-4')/(intval('3174171')*sqrt(intval('21605')));
B1(37,37) = intval('2')/(intval('164146815')));
B1(38,37) = intval('-4')/(intval('10321605')*sqrt(intval('2533')));
B1(39,37) = intval('1')/(intval('3580965')*sqrt(intval('23393')));
B1(36,38) = intval('1')/(intval('9922059')*sqrt(intval('2465')));
B1(37,38) = intval('-4')/(intval('10321605')*sqrt(intval('2533')));
B1(38,38) = intval('6')/(intval('547513165')));
B1(39,38) = intval('-4')/(intval('11164185')*sqrt(intval('2669')));
B1(40,38) = intval('1')/(intval('11607795')*sqrt(intval('2737')));
B1(37,39) = intval('1')/(intval('3580965')*sqrt(intval('23393')));
B1(38,39) = intval('-4')/(intval('11164185')*sqrt(intval('2669')));
B1(39,39) = intval('2')/(intval('202360095')));
B1(40,39) = intval('-4')/(intval('4017135')*sqrt(intval('25277')));
B1(41,39) = intval('1')/(intval('4172637')*sqrt(intval('25905')));
B1(38,40) = intval('1')/(intval('11607795')*sqrt(intval('2737')));
B1(39,40) = intval('-4')/(intval('4017135')*sqrt(intval('25277')));
B1(40,40) = intval('2')/(intval('223793295')));
B1(41,40) = intval('-4')/(intval('4328139')*sqrt(intval('26565')));
B1(42,40) = intval('1')/(intval('58389045')*sqrt(intval('161')));
B1(39,41) = intval('1')/(intval('4172637')*sqrt(intval('25905')));
B1(40,41) = intval('-4')/(intval('4328139')*sqrt(intval('26565')));
B1(41,41) = intval('6')/(intval('740656189')));
B1(42,41) = intval('-4')/(intval('60512283')*sqrt(intval('165')));
B1(43,41) = intval('1')/(intval('4826133')*sqrt(intval('28545')));
B1(40,42) = intval('1')/(intval('58389045')*sqrt(intval('161')));
B1(41,42) = intval('-4')/(intval('60512283')*sqrt(intval('165')));
B1(42,42) = intval('2')/(intval('271719855')));
B1(43,42) = intval('-4')/(intval('64967175')*sqrt(intval('173')));
B1(44,42) = intval('1')/(intval('67301325')*sqrt(intval('177')));
B1(41,43) = intval('1')/(intval('4826133')*sqrt(intval('28545')));
B1(42,43) = intval('-4')/(intval('64967175')*sqrt(intval('173')));
B1(43,43) = intval('2')/(intval('298382175')));
B1(44,43) = intval('-4')/(intval('5356575')*sqrt(intval('30621')));
B1(45,43) = intval('1')/(intval('5544525')*sqrt(intval('31313')));
B1(42,44) = intval('1')/(intval('67301325')*sqrt(intval('177')));
B1(43,44) = intval('-4')/(intval('5356575')*sqrt(intval('30621')));
B1(44,44) = intval('6')/(intval('980879725')));
B1(45,44) = intval('-4')/(intval('5732475')*sqrt(intval('32037')));
B1(46,44) = intval('1')/(intval('5929017')*sqrt(intval('32745')));
B1(43,45) = intval('1')/(intval('5544525')*sqrt(intval('31313')));
B1(44,45) = intval('-4')/(intval('5732475')*sqrt(intval('32037')));
B1(45,45) = intval('2')/(intval('357542655')));
B1(46,45) = intval('-4')/(intval('6125559')*sqrt(intval('33485')));
B1(47,45) = intval('1')/(intval('18992655')*sqrt(intval('3801')));
B1(44,46) = intval('1')/(intval('5929017')*sqrt(intval('32745')));
B1(45,46) = intval('-4')/(intval('6125559')*sqrt(intval('33485')));
B1(46,46) = intval('2')/(intval('390222063')));
B1(47,46) = intval('-4')/(intval('19608633')*sqrt(intval('3885')));
B1(48,46) = intval('1')/(intval('6750513')*sqrt(intval('35705')));
B1(45,47) = intval('1')/(intval('18992655')*sqrt(intval('3801')));
B1(46,47) = intval('-4')/(intval('19608633')*sqrt(intval('3885')));
B1(47,47) = intval('6')/(intval('1275275485')));
B1(48,47) = intval('-4')/(intval('20894445')*sqrt(intval('4053')));
B1(49,47) = intval('1')/(intval('21564855')*sqrt(intval('4137')));
B1(46,48) = intval('1')/(intval('6750513')*sqrt(intval('35705')));
B1(47,48) = intval('-4')/(intval('20894445')*sqrt(intval('4053')));
B1(48,48) = intval('2')/(intval('462247695')));
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B1(49,48) = intval('-4')/(intval('7411755')*sqrt(intval('38021')));
B1(50,48) = intval('1')/(intval('7644585')*sqrt(intval('38793')));
B1(47,49) = intval('1')/(intval('21564855')*sqrt(intval('4137')));
B1(48,49) = intval('-4')/(intval('7411755')*sqrt(intval('38021')));
B1(49,49) = intval('2')/(intval('501787455'));
B1(50,49) = intval('-4')/(intval('7877415')*sqrt(intval('39597')));
B1(51,49) = intval('1')/(intval('8119797')*sqrt(intval('40385')));
B1(48,50) = intval('1')/(intval('7644585')*sqrt(intval('38793')));
B1(49,50) = intval('-4')/(intval('7877415')*sqrt(intval('39597')));
B1(50,50) = intval('6')/(intval('1631432845'));
B1(51,50) = intval('-4')/(intval('8362179')*sqrt(intval('41205')));
B1(52,50) = intval('1')/(intval('8614305')*sqrt(intval('42009')));
B1(49,51) = intval('1')/(intval('8119797')*sqrt(intval('40385')));
B1(50,51) = intval('-4')/(intval('8362179')*sqrt(intval('41205')));
B1(51,51) = intval('2')/(intval('588420063'));
B1(52,51) = intval('-4')/(intval('8866431')*sqrt(intval('42845')));
B1(53,51) = intval('1')/(intval('9128493')*sqrt(intval('43665')));
B1(50,52) = intval('1')/(intval('8614305')*sqrt(intval('42009')));
B1(51,52) = intval('-4')/(intval('8866431')*sqrt(intval('42845')));
B1(52,52) = intval('2')/(intval('635718735'));
B1(53,52) = intval('-4')/(intval('9390555')*sqrt(intval('44517')));
B1(54,52) = intval('1')/(intval('9662745')*sqrt(intval('45353')));
B1(51,53) = intval('1')/(intval('9128493')*sqrt(intval('43665')));
B1(52,53) = intval('-4')/(intval('9390555')*sqrt(intval('44517')));
B1(53,53) = intval('6')/(intval('2057438845'));
B1(54,53) = intval('-4')/(intval('9934935')*sqrt(intval('46221')));
B1(55,53) = intval('1')/(intval('10217445')*sqrt(intval('47073')));
B1(52,54) = intval('1')/(intval('9662745')*sqrt(intval('45353')));
B1(53,54) = intval('-4')/(intval('9934935')*sqrt(intval('46221')));
B1(54,54) = intval('2')/(intval('738810735'));
B1(55,54) = intval('-4')/(intval('10499955')*sqrt(intval('47957')));
B1(56,54) = intval('1')/(intval('161894655')*sqrt(intval('217')));
B1(53,55) = intval('1')/(intval('10217445')*sqrt(intval('47073')));
B1(54,55) = intval('-4')/(intval('10499955')*sqrt(intval('47957')));
B1(55,55) = intval('2')/(intval('794822175'));
B1(56,55) = intval('-4')/(intval('166289985')*sqrt(intval('221')));
B1(57,55) = intval('1')/(intval('11389725')*sqrt(intval('50609')));
B1(54,56) = intval('1')/(intval('161894655')*sqrt(intval('217')));
B1(55,56) = intval('-4')/(intval('166289985')*sqrt(intval('221')));
B1(56,56) = intval('6')/(intval('2561878189'));
B1(57,56) = intval('-4')/(intval('175401765')*sqrt(intval('229')));
B1(58,56) = intval('1')/(intval('180121095')*sqrt(intval('233')));
B1(55,57) = intval('1')/(intval('11389725')*sqrt(intval('50609')));
B1(56,57) = intval('-4')/(intval('175401765')*sqrt(intval('229')));
B1(57,57) = intval('2')/(intval('916336575'));
B1(58,57) = intval('-4')/(intval('12322695')*sqrt(intval('53357')));
B1(59,57) = intval('1')/(intval('12648405')*sqrt(intval('54273')));
B1(56,58) = intval('1')/(intval('180121095')*sqrt(intval('233')));
B1(57,58) = intval('-4')/(intval('12322695')*sqrt(intval('53357')));
B1(58,58) = intval('2')/(intval('982069935'));
B1(59,58) = intval('-4')/(intval('12974115')*sqrt(intval('55221')));
B1(60,58) = intval('1')/(intval('13311105')*sqrt(intval('56153')));
B1(57,59) = intval('1')/(intval('12648405')*sqrt(intval('54273')));
B1(58,59) = intval('-4')/(intval('12974115')*sqrt(intval('55221')));
B1(59,59) = intval('6')/(intval('3153833245'));
B1(60,59) = intval('-4')/(intval('13648095')*sqrt(intval('57117')));
B1(61,59) = intval('1')/(intval('97975899')*sqrt(intval('1185')));
B1(58,60) = intval('1')/(intval('13311105')*sqrt(intval('56153')));
B1(59,60) = intval('-4')/(intval('13648095')*sqrt(intval('57117')));
B1(60,60) = intval('2')/(intval('1124080335'));
B1(61,60) = intval('-4')/(intval('100415133')*sqrt(intval('1205')));
B1(62,60) = intval('1')/(intval('14705145')*sqrt(intval('60009')));
B1(59,61) = intval('1')/(intval('97975899')*sqrt(intval('1185')));
B1(60,61) = intval('-4')/(intval('100415133')*sqrt(intval('1205')));
B1(61,61) = intval('2')/(intval('1200600063'));
B1(62,61) = intval('-4')/(intval('105456897')*sqrt(intval('1245')));
B1(63,61) = intval('1')/(intval('108060771')*sqrt(intval('1265')));
B1(60,62) = intval('1')/(intval('14705145')*sqrt(intval('60009')));
B1(61,62) = intval('-4')/(intval('105456897')*sqrt(intval('1245')));
B1(62,62) = intval('6')/(intval('3842884045'));
B1(63,62) = intval('-4')/(intval('15809235')*sqrt(intval('62997')));
B1(64,62) = intval('1')/(intval('16193265')*sqrt(intval('63993')));
B1(61,63) = intval('1')/(intval('108060771')*sqrt(intval('1265')));
B1(62,63) = intval('-4')/(intval('15809235')*sqrt(intval('62997')));
B1(63,63) = intval('2')/(intval('1365290655'));
B1(64,63) = intval('-4')/(intval('16577295')*sqrt(intval('65021')));
B1(65,63) = intval('1')/(intval('50920695')*sqrt(intval('7337')));
B1(62,64) = intval('1')/(intval('16193265')*sqrt(intval('63993')));
B1(63,64) = intval('-4')/(intval('16577295')*sqrt(intval('65021')));
B1(64,64) = intval('2')/(intval('1453716495'));
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B1(65,64) = intval('-4')/(intval('52109505')*sqrt(intval('7453')));
B1(66,64) = intval('1')/(intval('17778537')*sqrt(intval('68105')));
B1(63,65) = intval('1')/(intval('50920695')*sqrt(intval('7337')));
B1(64,65) = intval('-4')/(intval('52109505')*sqrt(intval('7453')));
B1(65,65) = intval('6')/(intval('4639108285'));
B1(66,65) = intval('-4')/(intval('54561717')*sqrt(intval('7685')));
B1(67,65) = intval('1')/(intval('55825695')*sqrt(intval('7801')));
B1(64,66) = intval('1')/(intval('17778537')*sqrt(intval('68105')));
B1(65,66) = intval('-4')/(intval('54561717')*sqrt(intval('7685')));
B1(66,66) = intval('2')/(intval('1643382063'));
B1(67,66) = intval('-4')/(intval('19029891')*sqrt(intval('71285')));
B1(68,66) = intval('1')/(intval('19464033')*sqrt(intval('72345')));
B1(65,67) = intval('1')/(intval('55825695')*sqrt(intval('7801')));
B1(66,67) = intval('-4')/(intval('19029891')*sqrt(intval('71285')));
B1(67,67) = intval('2')/(intval('1744889055'));
B1(68,67) = intval('-4')/(intval('19898175')*sqrt(intval('73437')));
B1(69,67) = intval('1')/(intval('20345325')*sqrt(intval('74513')));
B1(66,68) = intval('1')/(intval('19464033')*sqrt(intval('72345')));
B1(67,68) = intval('-4')/(intval('19898175')*sqrt(intval('73437')));
B1(68,68) = intval('6')/(intval('5553081325'));
B1(69,68) = intval('-4')/(intval('20792475')*sqrt(intval('75621')));
B1(70,68) = intval('1')/(intval('21252825')*sqrt(intval('76713')));
B1(67,69) = intval('1')/(intval('20345325')*sqrt(intval('74513')));
B1(68,69) = intval('-4')/(intval('20792475')*sqrt(intval('75621')));
B1(69,69) = intval('2')/(intval('1961934975'));
B1(70,69) = intval('-4')/(intval('21713175')*sqrt(intval('77837')));
B1(71,69) = intval('1')/(intval('22186917')*sqrt(intval('78945')));
B1(68,70) = intval('1')/(intval('21252825')*sqrt(intval('76713')));
B1(69,70) = intval('-4')/(intval('21713175')*sqrt(intval('77837')));
B1(70,70) = intval('2')/(intval('2077753455'));
B1(71,70) = intval('-4')/(intval('22660659')*sqrt(intval('80085')));
B1(72,70) = intval('1')/(intval('393515745')*sqrt(intval('281')));
B1(69,71) = intval('1')/(intval('22186917')*sqrt(intval('78945')));
B1(70,71) = intval('-4')/(intval('22660659')*sqrt(intval('80085')));
B1(71,71) = intval('6')/(intval('6595876189'));
B1(72,71) = intval('-4')/(intval('401800287')*sqrt(intval('285')));
B1(73,71) = intval('1')/(intval('24136413')*sqrt(intval('83505')));
B1(70,72) = intval('1')/(intval('393515745')*sqrt(intval('281')));
B1(71,72) = intval('-4')/(intval('401800287')*sqrt(intval('285')));
B1(72,72) = intval('2')/(intval('2324695695'));
B1(73,72) = intval('-4')/(intval('418837755')*sqrt(intval('293')));
B1(74,72) = intval('1')/(intval('1282781835')*sqrt(intval('33')));
B1(71,73) = intval('1')/(intval('24136413')*sqrt(intval('83505')));
B1(72,73) = intval('-4')/(intval('418837755')*sqrt(intval('293')));
B1(73,73) = intval('2')/(intval('2456111295'));
B1(74,73) = intval('-4')/(intval('77002965')*sqrt(intval('9669')));
B1(75,73) = intval('1')/(intval('26196885')*sqrt(intval('88193')));
B1(72,74) = intval('1')/(intval('1282781835')*sqrt(intval('33')));
B1(73,74) = intval('-4')/(intval('77002965')*sqrt(intval('9669')));
B1(74,74) = intval('6')/(intval('7779063565'));
B1(75,74) = intval('-4')/(intval('80178345')*sqrt(intval('9933')));
B1(76,74) = intval('1')/(intval('81809091')*sqrt(intval('10065')));
B1(73,75) = intval('1')/(intval('26196885')*sqrt(intval('88193')));
B1(74,75) = intval('-4')/(intval('80178345')*sqrt(intval('9933')));
B1(75,75) = intval('2')/(intval('2735576415'));
B1(76,75) = intval('-4')/(intval('27813279')*sqrt(intval('91805')));
B1(77,75) = intval('1')/(intval('28371405')*sqrt(intval('93009')));
B1(74,76) = intval('1')/(intval('81809091')*sqrt(intval('10065')));
B1(75,76) = intval('-4')/(intval('27813279')*sqrt(intval('91805')));
B1(76,76) = intval('2')/(intval('2883930063'));
B1(77,76) = intval('-4')/(intval('28929531')*sqrt(intval('94245')));
B1(78,76) = intval('1')/(intval('29502393')*sqrt(intval('95465')));
B1(75,77) = intval('1')/(intval('28371405')*sqrt(intval('93009')));
B1(76,77) = intval('-4')/(intval('28929531')*sqrt(intval('94245')));
B1(77,77) = intval('6')/(intval('9114711805'));
B1(78,77) = intval('-4')/(intval('30075255')*sqrt(intval('96717')));
B1(79,77) = intval('1')/(intval('30663045')*sqrt(intval('97953')));
B1(76,78) = intval('1')/(intval('29502393')*sqrt(intval('95465')));
B1(77,78) = intval('-4')/(intval('30075255')*sqrt(intval('96717')));
B1(78,78) = intval('2')/(intval('3198655215'));
B1(79,78) = intval('-4')/(intval('31250835')*sqrt(intval('99221')));
B1(80,78) = intval('1')/(intval('31853745')*sqrt(intval('100473')));
B1(77,79) = intval('1')/(intval('30663045')*sqrt(intval('97953')));
B1(78,79) = intval('-4')/(intval('31250835')*sqrt(intval('99221')));
B1(79,79) = intval('2')/(intval('3365343135'));
B1(80,79) = intval('-4')/(intval('32456655')*sqrt(intval('101757')));
B1(81,79) = intval('1')/(intval('165374385')*sqrt(intval('4121')));
B1(78,80) = intval('1')/(intval('31853745')*sqrt(intval('100473')));
B1(79,80) = intval('-4')/(intval('32456655')*sqrt(intval('101757')));
B1(80,80) = intval('6')/(intval('10615386925'));
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B1(81,80) = intval('-4')/(intval('168465495')*sqrt(intval('4173')));
B1(82,80) = intval('1')/(intval('34326825')*sqrt(intval('105609')));
B1(79,81) = intval('1')/(intval('165374385')*sqrt(intval('4121')));
B1(80,81) = intval('-4')/(intval('168465495')*sqrt(intval('4173')));
B1(81,81) = intval('2')/(intval('3718176063'));
B1(82,81) = intval('-4')/(intval('174802755')*sqrt(intval('4277')));
B1(83,81) = intval('1')/(intval('534149595')*sqrt(intval('481')));
B1(80,82) = intval('1')/(intval('34326825')*sqrt(intval('105609')));
B1(81,82) = intval('-4')/(intval('174802755')*sqrt(intval('4277')));
B1(82,82) = intval('2')/(intval('3904649775'));
B1(83,82) = intval('-4')/(intval('108778185')*sqrt(intval('12173')));
B1(84,82) = intval('1')/(intval('36924705')*sqrt(intval('110873')));
B1(81,83) = intval('1')/(intval('534149595')*sqrt(intval('481')));
B1(82,83) = intval('-4')/(intval('108778185')*sqrt(intval('12173')));
B1(83,83) = intval('6')/(intval('12294152605'));
B1(84,83) = intval('-4')/(intval('112770045')*sqrt(intval('12469')));
B1(85,83) = intval('1')/(intval('114814215')*sqrt(intval('12617')));
B1(82,84) = intval('1')/(intval('36924705')*sqrt(intval('110873')));
B1(83,84) = intval('-4')/(intval('112770045')*sqrt(intval('12469')));
B1(84,84) = intval('2')/(intval('4298548815'));
B1(85,84) = intval('-4')/(intval('38952795')*sqrt(intval('114917')));
B1(86,84) = intval('1')/(intval('39650457')*sqrt(intval('116265')));
B1(83,85) = intval('1')/(intval('114814215')*sqrt(intval('12617')));
B1(84,85) = intval('-4')/(intval('38952795')*sqrt(intval('114917')));
B1(85,85) = intval('2')/(intval('4506315135'));
B1(86,85) = intval('-4')/(intval('40348119')*sqrt(intval('117645')));
B1(87,85) = intval('1')/(intval('41062245')*sqrt(intval('119009')));
B1(84,86) = intval('1')/(intval('39650457')*sqrt(intval('116265')));
B1(85,86) = intval('-4')/(intval('40348119')*sqrt(intval('117645')));
B1(86,86) = intval('6')/(intval('14164570189'));
B1(87,86) = intval('-4')/(intval('41776371')*sqrt(intval('120405')));
B1(88,86) = intval('1')/(intval('42507153')*sqrt(intval('121785')));
B1(85,87) = intval('1')/(intval('41062245')*sqrt(intval('119009')));
B1(86,87) = intval('-4')/(intval('41776371')*sqrt(intval('120405')));
B1(87,87) = intval('2')/(intval('4944349215'));
B1(88,87) = intval('-4')/(intval('43237935')*sqrt(intval('123197')));
B1(89,87) = intval('1')/(intval('43985565')*sqrt(intval('124593')));
B1(86,88) = intval('1')/(intval('42507153')*sqrt(intval('121785')));
B1(87,88) = intval('-4')/(intval('43237935')*sqrt(intval('123197')));
B1(88,88) = intval('2')/(intval('5174970255'));
B1(89,88) = intval('-4')/(intval('44733195')*sqrt(intval('126021')));
B1(90,88) = intval('1')/(intval('864459435')*sqrt(intval('353')));
B1(87,89) = intval('1')/(intval('43985565')*sqrt(intval('124593')));
B1(88,89) = intval('-4')/(intval('44733195')*sqrt(intval('126021')));
B1(89,89) = intval('6')/(intval('16240698685'));
B1(90,89) = intval('-4')/(intval('878988165')*sqrt(intval('357')));
B1(91,89) = intval('1')/(intval('47044437')*sqrt(intval('130305')));
B1(88,90) = intval('1')/(intval('864459435')*sqrt(intval('353')));
B1(89,90) = intval('-4')/(intval('878988165')*sqrt(intval('357')));
B1(90,90) = intval('2')/(intval('5660318895'));
B1(91,90) = intval('-4')/(intval('908700441')*sqrt(intval('365')));
B1(92,90) = intval('1')/(intval('2771662905')*sqrt(intval('41')));
B1(89,91) = intval('1')/(intval('47044437')*sqrt(intval('130305')));
B1(90,91) = intval('-4')/(intval('908700441')*sqrt(intval('365')));
B1(91,91) = intval('2')/(intval('5915412063'));
B1(92,91) = intval('-4')/(intval('148274973')*sqrt(intval('14965')));
B1(93,91) = intval('1')/(intval('50241933')*sqrt(intval('136145')));
B1(90,92) = intval('1')/(intval('2771662905')*sqrt(intval('41')));
B1(91,92) = intval('-4')/(intval('148274973')*sqrt(intval('14965')));
B1(92,92) = intval('6')/(intval('18537094765'));
B1(93,92) = intval('-4')/(intval('153176625')*sqrt(intval('15293')));
B1(94,92) = intval('1')/(intval('155680875')*sqrt(intval('15457')));
B1(91,93) = intval('1')/(intval('50241933')*sqrt(intval('136145')));
B1(92,93) = intval('-4')/(intval('153176625')*sqrt(intval('15293')));
B1(93,93) = intval('2')/(intval('6451365375'));
B1(94,93) = intval('-4')/(intval('52728375')*sqrt(intval('140621')));
B1(95,93) = intval('1')/(intval('53581125')*sqrt(intval('142113')));
B1(92,94) = intval('1')/(intval('155680875')*sqrt(intval('15457')));
B1(93,94) = intval('-4')/(intval('52728375')*sqrt(intval('140621')));
B1(94,94) = intval('2')/(intval('6732603375'));
B1(95,94) = intval('-4')/(intval('54433875')*sqrt(intval('143637')));
B1(96,94) = intval('1')/(intval('55304817')*sqrt(intval('145145')));
B1(93,95) = intval('1')/(intval('53581125')*sqrt(intval('142113')));
B1(94,95) = intval('-4')/(intval('54433875')*sqrt(intval('143637')));
B1(95,95) = intval('6')/(intval('21068812765'));
B1(96,95) = intval('-4')/(intval('56175759')*sqrt(intval('146685')));
B1(97,95) = intval('1')/(intval('57065085')*sqrt(intval('148209')));
B1(94,96) = intval('1')/(intval('55304817')*sqrt(intval('145145')));
B1(95,96) = intval('-4')/(intval('56175759')*sqrt(intval('146685')));
B1(96,96) = intval('2')/(intval('7322562063'));
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B1(97,96) = intval('-4')/(intval('57954411')*sqrt(intval('149765')));
B1(98,96) = intval('1')/(intval('58862313')*sqrt(intval('151305')));
B1(95,97) = intval('1')/(intval('57065085')*sqrt(intval('148209')));
B1(96,97) = intval('-4')/(intval('57954411')*sqrt(intval('149765')));
B1(97,97) = intval('2')/(intval('7631672895'));
B1(98,97) = intval('-4')/(intval('59770215')*sqrt(intval('152877')));
B1(99,97) = intval('1')/(intval('60696885')*sqrt(intval('154433')));
B1(96,98) = intval('1')/(intval('58862313')*sqrt(intval('151305')));
B1(97,98) = intval('-4')/(intval('59770215')*sqrt(intval('152877')));
B1(98,98) = intval('6')/(intval('23851404685'));
B1(99,98) = intval('-4')/(intval('61623555')*sqrt(intval('156021')));
B1(100,98) = intval('1')/(intval('62569185')*sqrt(intval('157593')));
B1(97,99) = intval('1')/(intval('60696885')*sqrt(intval('154433')));
B1(98,99) = intval('-4')/(intval('61623555')*sqrt(intval('156021')));
B1(99,99) = intval('2')/(intval('8279148255'));
B1(100,99) = intval('-4')/(intval('63514815')*sqrt(intval('159197')));
B1(101,99) = intval('1')/(intval('580316373')*sqrt(intval('1985')));
B1(98,100) = intval('1')/(intval('62569185')*sqrt(intval('157593')));
B1(99,100) = intval('-4')/(intval('63514815')*sqrt(intval('159197')));
B1(100,100) = intval('2')/(intval('8617915215'));
B1(101,100) = intval('-4')/(intval('588999411')*sqrt(intval('2005')));
B1(102,100) = intval('1')/(intval('66428505')*sqrt(intval('164009')));
B1(99,101) = intval('1')/(intval('580316373')*sqrt(intval('1985')));
B1(100,101) = intval('-4')/(intval('588999411')*sqrt(intval('2005')));
B1(101,101) = intval('6')/(intval('26900920189'));
B1(102,101) = intval('-4')/(intval('606713679')*sqrt(intval('2045')));
B1(103,101) = intval('1')/(intval('615746637')*sqrt(intval('2065')));
B1(100,102) = intval('1')/(intval('66428505')*sqrt(intval('164009')));
B1(101,102) = intval('-4')/(intval('606713679')*sqrt(intval('2045')));
B1(102,102) = intval('2')/(intval('9326529135'));
B1(103,102) = intval('-4')/(intval('69419955')*sqrt(intval('168917')));
B1(104,102) = intval('1')/(intval('70443345')*sqrt(intval('170553')));
B1(101,103) = intval('1')/(intval('615746637')*sqrt(intval('2065')));
B1(102,103) = intval('-4')/(intval('69419955')*sqrt(intval('168917')));
B1(103,103) = intval('2')/(intval('9696790815'));
B1(104,103) = intval('-4')/(intval('71466735')*sqrt(intval('172221')));
B1(105,103) = intval('1')/(intval('72510045')*sqrt(intval('173873')));
B1(102,104) = intval('1')/(intval('70443345')*sqrt(intval('170553')));
B1(103,104) = intval('-4')/(intval('71466735')*sqrt(intval('172221')));
B1(104,104) = intval('6')/(intval('30233906605'));
B1(105,104) = intval('-4')/(intval('73553355')*sqrt(intval('175557')));
B1(106,104) = intval('1')/(intval('373083885')*sqrt(intval('7089')));
B1(103,105) = intval('1')/(intval('72510045')*sqrt(intval('173873')));
B1(104,105) = intval('-4')/(intval('73553355')*sqrt(intval('175557')));
B1(105,105) = intval('2')/(intval('10470275775'));
B1(106,105) = intval('-4')/(intval('378400995')*sqrt(intval('7157')));
B1(107,105) = intval('1')/(intval('76763925')*sqrt(intval('180609')));
B1(104,106) = intval('1')/(intval('373083885')*sqrt(intval('7089')));
B1(105,106) = intval('-4')/(intval('378400995')*sqrt(intval('7157')));
B1(106,106) = intval('2')/(intval('10873926063'));
B1(107,106) = intval('-4')/(intval('389238255')*sqrt(intval('7293')));
B1(108,106) = intval('1')/(intval('394759365')*sqrt(intval('7361')));
B1(105,107) = intval('1')/(intval('76763925')*sqrt(intval('180609')));
B1(106,107) = intval('-4')/(intval('389238255')*sqrt(intval('7293')));
B1(107,107) = intval('6')/(intval('33867408925'));
B1(108,107) = intval('-4')/(intval('80056095')*sqrt(intval('185757')));
B1(109,107) = intval('1')/(intval('81181005')*sqrt(intval('187473')));
B1(106,108) = intval('1')/(intval('394759365')*sqrt(intval('7361')));
B1(107,108) = intval('-4')/(intval('80056095')*sqrt(intval('185757')));
B1(108,108) = intval('2')/(intval('11716125135'));
B1(109,108) = intval('-4')/(intval('82305915')*sqrt(intval('189221')));
B1(110,108) = intval('1')/(intval('1752485805')*sqrt(intval('433')));
B1(107,109) = intval('1')/(intval('81181005')*sqrt(intval('187473')));
B1(108,109) = intval('-4')/(intval('82305915')*sqrt(intval('189221')));
B1(109,109) = intval('2')/(intval('12155113215'));
B1(110,109) = intval('-4')/(intval('1776547395')*sqrt(intval('437')));
B1(111,109) = intval('1')/(intval('85764357')*sqrt(intval('194465')));
B1(108,110) = intval('1')/(intval('1752485805')*sqrt(intval('433')));
B1(109,110) = intval('-4')/(intval('1776547395')*sqrt(intval('437')));
B1(110,110) = intval('6')/(intval('37818969805'));
B1(111,110) = intval('-4')/(intval('1825555599')*sqrt(intval('445')));
B1(112,110) = intval('1')/(intval('1850506245')*sqrt(intval('449')));
B1(109,111) = intval('1')/(intval('85764357')*sqrt(intval('194465')));
B1(110,111) = intval('-4')/(intval('1825555599')*sqrt(intval('445')));
B1(111,111) = intval('2')/(intval('13069980063'));
B1(112,111) = intval('-4')/(intval('89307471')*sqrt(intval('199805')));
B1(113,111) = intval('1')/(intval('90517053')*sqrt(intval('201585')));
B1(110,112) = intval('1')/(intval('1850506245')*sqrt(intval('449')));
B1(111,112) = intval('-4')/(intval('89307471')*sqrt(intval('199805')));
B1(112,112) = intval('2')/(intval('13546310415'));
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B1(113,112) = intval('-4')/(intval('91726635')*sqrt(intval('203397')));
B1(114,112) = intval('1')/(intval('92957865')*sqrt(intval('205193')));
B1(111,113) = intval('1')/(intval('90517053')*sqrt(intval('201585')));
B1(112,113) = intval('-4')/(intval('91726635')*sqrt(intval('203397')));
B1(113,113) = intval('6')/(intval('42106629565')));
B1(114,113) = intval('-4')/(intval('94189095')*sqrt(intval('207021')));
B1(115,113) = intval('1')/(intval('95442165')*sqrt(intval('208833')));
B1(112,114) = intval('1')/(intval('92957865')*sqrt(intval('205193')));
B1(113,114) = intval('-4')/(intval('94189095')*sqrt(intval('207021')));
B1(114,114) = intval('2')/(intval('14537909295')));
B1(115,114) = intval('-4')/(intval('96695235')*sqrt(intval('210677')));
B1(116,114) = intval('1')/(intval('97970337')*sqrt(intval('212505')));
B1(113,115) = intval('1')/(intval('95442165')*sqrt(intval('208833')));
B1(114,115) = intval('-4')/(intval('96695235')*sqrt(intval('210677')));
B1(115,115) = intval('2')/(intval('15053641695')));
B1(116,115) = intval('-4')/(intval('99245439')*sqrt(intval('214365')));
B1(117,115) = intval('1')/(intval('100542765')*sqrt(intval('216209')));
B1(114,116) = intval('1')/(intval('97970337')*sqrt(intval('212505')));
B1(115,116) = intval('-4')/(intval('99245439')*sqrt(intval('214365')));
B1(116,116) = intval('6')/(intval('46748926189')));
B1(117,116) = intval('-4')/(intval('101840091')*sqrt(intval('218085')));
B1(118,116) = intval('1')/(intval('103159833')*sqrt(intval('219945')));
B1(115,117) = intval('1')/(intval('100542765')*sqrt(intval('216209')));
B1(116,117) = intval('-4')/(intval('101840091')*sqrt(intval('218085')));
B1(117,117) = intval('2')/(intval('16126147455')));
B1(118,117) = intval('-4')/(intval('104479575')*sqrt(intval('221837')));
B1(119,117) = intval('1')/(intval('317465775')*sqrt(intval('24857')));
B1(116,118) = intval('1')/(intval('103159833')*sqrt(intval('219945')));
B1(117,118) = intval('-4')/(intval('104479575')*sqrt(intval('221837')));
B1(118,118) = intval('2')/(intval('16683396975')));
B1(119,118) = intval('-4')/(intval('321492825')*sqrt(intval('25069')));
B1(120,118) = intval('1')/(intval('108529425')*sqrt(intval('227513')));
B1(117,119) = intval('1')/(intval('317465775')*sqrt(intval('24857')));
B1(118,119) = intval('-4')/(intval('321492825')*sqrt(intval('25069')));
B1(119,119) = intval('6')/(intval('51764895325')));
B1(120,119) = intval('-4')/(intval('329683725')*sqrt(intval('25493')));
B1(121,119) = intval('1')/(intval('333848151')*sqrt(intval('25705')));
B1(118,120) = intval('1')/(intval('108529425')*sqrt(intval('227513')));
B1(119,120) = intval('-4')/(intval('329683725')*sqrt(intval('25493')));
B1(120,120) = intval('2')/(intval('17841095055')));
B1(121,120) = intval('-4')/(intval('112670859')*sqrt(intval('233285')));
B1(122,120) = intval('1')/(intval('114082185')*sqrt(intval('235209')));
B1(119,121) = intval('1')/(intval('333848151')*sqrt(intval('25705')));
B1(120,121) = intval('-4')/(intval('112670859')*sqrt(intval('233285')));
B1(121,121) = intval('2')/(intval('18442032063')));
B1(122,121) = intval('-4')/(intval('115493511')*sqrt(intval('237165')));
B1(123,121) = intval('1')/(intval('116928213')*sqrt(intval('239105')));
B1(120,122) = intval('1')/(intval('114082185')*sqrt(intval('235209')));
B1(121,122) = intval('-4')/(intval('115493511')*sqrt(intval('237165')));
B1(122,122) = intval('6')/(intval('57174070285')));
B1(123,122) = intval('-4')/(intval('118362915')*sqrt(intval('241077')));
B1(124,122) = intval('1')/(intval('119821185')*sqrt(intval('243033')));
B1(121,123) = intval('1')/(intval('116928213')*sqrt(intval('239105')));
B1(122,123) = intval('-4')/(intval('118362915')*sqrt(intval('241077')));
B1(123,123) = intval('2')/(intval('19689318495')));
B1(124,123) = intval('-4')/(intval('121279455')*sqrt(intval('245021')));
B1(125,123) = intval('1')/(intval('122761485')*sqrt(intval('246993')));
B1(122,124) = intval('1')/(intval('119821185')*sqrt(intval('243033')));
B1(123,124) = intval('-4')/(intval('121279455')*sqrt(intval('245021')));
B1(124,124) = intval('2')/(intval('20336168655')));
B1(125,124) = intval('-4')/(intval('124243515')*sqrt(intval('248997')));
B1(126,124) = intval('1')/(intval('125749497')*sqrt(intval('250985')));
B1(123,125) = intval('1')/(intval('122761485')*sqrt(intval('246993')));
B1(124,125) = intval('-4')/(intval('124243515')*sqrt(intval('248997')));
B1(125,125) = intval('6')/(intval('62996482045')));
B1(126,125) = intval('-4')/(intval('127255479')*sqrt(intval('253005')));
B1(127,125) = intval('1')/(intval('128785605')*sqrt(intval('255009')));
B1(124,126) = intval('1')/(intval('125749497')*sqrt(intval('250985')));
B1(125,126) = intval('-4')/(intval('127255479')*sqrt(intval('253005')));
B1(126,126) = intval('2')/(intval('21677550063')));
B1(127,126) = intval('-4')/(intval('130315731')*sqrt(intval('257045')));
B1(128,126) = intval('1')/(intval('395610579')*sqrt(intval('28785')));
B1(125,127) = intval('1')/(intval('128785605')*sqrt(intval('255009')));
B1(126,127) = intval('-4')/(intval('130315731')*sqrt(intval('257045')));
B1(127,127) = intval('2')/(intval('22372594335')));
B1(128,127) = intval('-4')/(intval('400273965')*sqrt(intval('29013')));
B1(129,127) = intval('1')/(intval('135003645')*sqrt(intval('263153')));
B1(126,128) = intval('1')/(intval('395610579')*sqrt(intval('28785')));
B1(127,128) = intval('-4')/(intval('400273965')*sqrt(intval('29013')));
B1(128,128) = intval('6')/(intval('69252659245')));
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B1(129,128) = intval('-4')/(intval('409747905')*sqrt(intval('29469')));
B1(130,128) = intval('1')/(intval('414559035')*sqrt(intval('29697')));
B1(127,129) = intval('1')/(intval('135003645')*sqrt(intval('263153')));
B1(128,129) = intval('-4')/(intval('409747905')*sqrt(intval('29469')));
B1(129,129) = intval('2')/(intval('23812687935'));
B1(130,129) = intval('-4')/(intval('139790055')*sqrt(intval('269357')));
B1(131,129) = intval('1')/(intval('707093385')*sqrt(intval('10857')));
B1(128,130) = intval('1')/(intval('414559035')*sqrt(intval('29697')));
B1(129,130) = intval('-4')/(intval('139790055')*sqrt(intval('269357')));
B1(130,130) = intval('2')/(intval('24558262575'));
B1(131,130) = intval('-4')/(intval('715236495')*sqrt(intval('10941')));
B1(132,130) = intval('1')/(intval('3328123575')*sqrt(intval('521')));
B1(129,131) = intval('1')/(intval('707093385')*sqrt(intval('10857')));
B1(130,131) = intval('-4')/(intval('715236495')*sqrt(intval('10941')));
B1(131,131) = intval('6')/(intval('75963628189'));
B1(132,131) = intval('-4')/(intval('16830796365')*sqrt(intval('21')));
B1(133,131) = intval('1')/(intval('740168865')*sqrt(intval('11193')));
B1(130,132) = intval('1')/(intval('3328123575')*sqrt(intval('521')));
B1(131,132) = intval('-4')/(intval('16830796365')*sqrt(intval('21')));
B1(132,132) = intval('2')/(intval('26101796175'));
B1(133,132) = intval('-4')/(intval('3443394285')*sqrt(intval('533')));
B1(134,132) = intval('1')/(intval('3482598015')*sqrt(intval('537')));
B1(131,133) = intval('1')/(intval('740168865')*sqrt(intval('11193')));
B1(132,133) = intval('-4')/(intval('3443394285')*sqrt(intval('533')));
B1(133,133) = intval('2')/(intval('26900292735'));
B1(134,133) = intval('-4')/(intval('153121815')*sqrt(intval('286221')));
B1(135,133) = intval('1')/(intval('154852005')*sqrt(intval('288353')));
B1(132,134) = intval('1')/(intval('3482598015')*sqrt(intval('537')));
B1(133,134) = intval('-4')/(intval('153121815')*sqrt(intval('286221')));
B1(134,134) = intval('6')/(intval('83150912845'));
B1(135,134) = intval('-4')/(intval('156582195')*sqrt(intval('290517')));
B1(136,134) = intval('1')/(intval('158338257')*sqrt(intval('292665')));
B1(133,135) = intval('1')/(intval('154852005')*sqrt(intval('288353')));
B1(134,135) = intval('-4')/(intval('156582195')*sqrt(intval('290517')));
B1(135,135) = intval('2')/(intval('28552104735'));
B1(136,135) = intval('-4')/(intval('160094319')*sqrt(intval('294845')));
B1(137,135) = intval('1')/(intval('485629335')*sqrt(intval('33001')));
B1(134,136) = intval('1')/(intval('158338257')*sqrt(intval('292665')));
B1(135,136) = intval('-4')/(intval('160094319')*sqrt(intval('294845')));
B1(136,136) = intval('2')/(intval('29405970063'));
B1(137,136) = intval('-4')/(intval('490975713')*sqrt(intval('33245')));
B1(138,136) = intval('1')/(intval('165466953')*sqrt(intval('301385')));
B1(135,137) = intval('1')/(intval('485629335')*sqrt(intval('33001')));
B1(136,137) = intval('-4')/(intval('490975713')*sqrt(intval('33245')));
B1(137,137) = intval('6')/(intval('90836534845'));
B1(138,137) = intval('-4')/(intval('501826005')*sqrt(intval('33733')));
B1(139,137) = intval('1')/(intval('507330495')*sqrt(intval('33977')));
B1(136,138) = intval('1')/(intval('165466953')*sqrt(intval('301385')));
B1(137,138) = intval('-4')/(intval('501826005')*sqrt(intval('33733')));
B1(138,138) = intval('2')/(intval('31171009455'));
B1(139,138) = intval('-4')/(intval('170944995')*sqrt(intval('308021')));
B1(140,138) = intval('1')/(intval('172806465')*sqrt(intval('310233')));
B1(137,139) = intval('1')/(intval('507330495')*sqrt(intval('33977')));
B1(138,139) = intval('-4')/(intval('170944995')*sqrt(intval('308021')));
B1(139,139) = intval('2')/(intval('32082745695'));
B1(140,139) = intval('-4')/(intval('174667935')*sqrt(intval('312477')));
B1(141,139) = intval('1')/(intval('176556237')*sqrt(intval('314705')));
B1(138,140) = intval('1')/(intval('172806465')*sqrt(intval('310233')));
B1(139,140) = intval('-4')/(intval('174667935')*sqrt(intval('312477')));
B1(140,140) = intval('6')/(intval('99043013485'));
B1(141,140) = intval('-4')/(intval('178444539')*sqrt(intval('316965')));
B1(142,140) = intval('1')/(intval('180359865')*sqrt(intval('319209')));
B1(139,141) = intval('1')/(intval('176556237')*sqrt(intval('314705')));
B1(140,141) = intval('-4')/(intval('178444539')*sqrt(intval('316965')));
B1(141,141) = intval('2')/(intval('33966072063'));
B1(142,141) = intval('-4')/(intval('182275191')*sqrt(intval('321485')));
B1(143,141) = intval('1')/(intval('184217733')*sqrt(intval('323745')));
B1(140,142) = intval('1')/(intval('180359865')*sqrt(intval('319209')));
B1(141,142) = intval('-4')/(intval('182275191')*sqrt(intval('321485')));
B1(142,142) = intval('2')/(intval('34938236655'));
B1(143,142) = intval('-4')/(intval('186160275')*sqrt(intval('326037')));
B1(144,142) = intval('1')/(intval('188130225')*sqrt(intval('328313')));
B1(141,143) = intval('1')/(intval('184217733')*sqrt(intval('323745')));
B1(142,143) = intval('-4')/(intval('186160275')*sqrt(intval('326037')));
B1(143,143) = intval('6')/(intval('107793365725'));
B1(144,143) = intval('-4')/(intval('190100175')*sqrt(intval('330621')));
B1(145,143) = intval('1')/(intval('192097725')*sqrt(intval('332913')));
B1(142,144) = intval('1')/(intval('188130225')*sqrt(intval('328313')));
B1(143,144) = intval('-4')/(intval('190100175')*sqrt(intval('330621')));
B1(144,144) = intval('2')/(intval('36945020175'));
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B1(145,144) = intval('-4')/(intval('194095275')*sqrt(intval('335237')));
B1(146,144) = intval('1')/(intval('588361851')*sqrt(intval('37505')));
B1(143,145) = intval('1')/(intval('192097725')*sqrt(intval('332913')));
B1(144,145) = intval('-4')/(intval('194095275')*sqrt(intval('335237')));
B1(145,145) = intval('2')/(intval('37980225855'));
B1(146,145) = intval('-4')/(intval('594437877')*sqrt(intval('37765')));
B1(147,145) = intval('1')/(intval('200199285')*sqrt(intval('342209')));
B1(144,146) = intval('1')/(intval('588361851')*sqrt(intval('37505')));
B1(145,146) = intval('-4')/(intval('594437877')*sqrt(intval('37765')));
B1(146,146) = intval('6')/(intval('117111106189'));
B1(147,146) = intval('-4')/(intval('606757833')*sqrt(intval('38285')));
B1(148,146) = intval('1')/(intval('613002339')*sqrt(intval('38545')));
B1(145,147) = intval('1')/(intval('200199285')*sqrt(intval('342209')));
B1(146,147) = intval('-4')/(intval('606757833')*sqrt(intval('38285')));
B1(147,147) = intval('2')/(intval('40115747295'));
B1(148,147) = intval('-4')/(intval('206415615')*sqrt(intval('349277')));
B1(149,147) = intval('1')/(intval('208525485')*sqrt(intval('351633')));
B1(146,148) = intval('1')/(intval('613002339')*sqrt(intval('38545')));
B1(147,148) = intval('-4')/(intval('206415615')*sqrt(intval('349277')));
B1(148,148) = intval('2')/(intval('41216662095'));
B1(149,148) = intval('-4')/(intval('210635355')*sqrt(intval('354021')));
B1(150,148) = intval('1')/(intval('212773785')*sqrt(intval('356393')));
B1(147,149) = intval('1')/(intval('208525485')*sqrt(intval('351633')));
B1(148,149) = intval('-4')/(intval('210635355')*sqrt(intval('354021')));
B1(149,149) = intval('6')/(intval('127020247165'));
B1(150,149) = intval('-4')/(intval('214912215')*sqrt(intval('358797')));
B1(151,149) = intval('1')/(intval('2387873367')*sqrt(intval('2985')));
B1(148,150) = intval('1')/(intval('212773785')*sqrt(intval('356393')));
B1(149,150) = intval('-4')/(intval('214912215')*sqrt(intval('358797')));
B1(150,150) = intval('2')/(intval('43486312815'));
B1(151,150) = intval('-4')/(intval('2411712369')*sqrt(intval('3005')));
B1(152,150) = intval('1')/(intval('221442705')*sqrt(intval('366009')));
B1(149,151) = intval('1')/(intval('2387873367')*sqrt(intval('2985')));
B1(150,151) = intval('-4')/(intval('2411712369')*sqrt(intval('3005')));
B1(151,151) = intval('2')/(intval('44655660063'));
B1(152,151) = intval('-4')/(intval('2460027141')*sqrt(intval('3045')));
B1(153,151) = intval('1')/(intval('2484505023')*sqrt(intval('3065')));
B1(150,152) = intval('1')/(intval('221442705')*sqrt(intval('366009')));
B1(151,152) = intval('-4')/(intval('2460027141')*sqrt(intval('3045')));
B1(152,152) = intval('6')/(intval('137545298605'));
B1(153,152) = intval('-4')/(intval('228089355')*sqrt(intval('373317')));
B1(154,152) = intval('1')/(intval('230343945')*sqrt(intval('375753')));
B1(151,153) = intval('1')/(intval('2484505023')*sqrt(intval('3065')));
B1(152,153) = intval('-4')/(intval('228089355')*sqrt(intval('373317')));
B1(153,153) = intval('2')/(intval('47064942015'));
B1(154,153) = intval('-4')/(intval('232598535')*sqrt(intval('378221')));
B1(155,153) = intval('1')/(intval('704647935')*sqrt(intval('42297')));
B1(152,154) = intval('1')/(intval('230343945')*sqrt(intval('375753')));
B1(153,154) = intval('-4')/(intval('232598535')*sqrt(intval('378221')));
B1(154,154) = intval('2')/(intval('48305500335'));
B1(155,154) = intval('-4')/(intval('711500265')*sqrt(intval('42573')));
B1(156,154) = intval('1')/(intval('5987014425')*sqrt(intval('617')));
B1(153,155) = intval('1')/(intval('704647935')*sqrt(intval('42297')));
B1(154,155) = intval('-4')/(intval('711500265')*sqrt(intval('42573')));
B1(155,155) = intval('6')/(intval('148711268125'));
B1(156,155) = intval('-4')/(intval('18134579925')*sqrt(intval('69')));
B1(157,155) = intval('1')/(intval('732414375')*sqrt(intval('43401')));
B1(154,156) = intval('1')/(intval('5987014425')*sqrt(intval('617')));
B1(155,156) = intval('-4')/(intval('18134579925')*sqrt(intval('69')));
B1(156,156) = intval('2')/(intval('50860026063'));
B1(157,156) = intval('-4')/(intval('6162046275')*sqrt(intval('629')));
B1(158,156) = intval('1')/(intval('6221391825')*sqrt(intval('633')));
B1(155,157) = intval('1')/(intval('732414375')*sqrt(intval('43401')));
B1(156,157) = intval('-4')/(intval('6162046275')*sqrt(intval('629')));
B1(157,157) = intval('2')/(intval('52174629375'));
B1(158,157) = intval('-4')/(intval('251229495')*sqrt(intval('398157')));
B1(159,157) = intval('1')/(intval('1775435235')*sqrt(intval('8177')));
B1(156,158) = intval('1')/(intval('6221391825')*sqrt(intval('633')));
B1(157,158) = intval('-4')/(intval('251229495')*sqrt(intval('398157')));
B1(158,158) = intval('6')/(intval('160543661005'));
B1(159,158) = intval('-4')/(intval('1792264005')*sqrt(intval('8229')));
B1(160,158) = intval('1')/(intval('258472305')*sqrt(intval('405753')));
B1(157,159) = intval('1')/(intval('1775435235')*sqrt(intval('8177')));
B1(158,159) = intval('-4')/(intval('1792264005')*sqrt(intval('8229')));
B1(159,159) = intval('2')/(intval('54880122015'));
B1(160,159) = intval('-4')/(intval('1826348265')*sqrt(intval('8333')));
B1(161,159) = intval('1')/(intval('1843605099')*sqrt(intval('8385')));
B1(158,160) = intval('1')/(intval('258472305')*sqrt(intval('405753')));
B1(159,160) = intval('-4')/(intval('1826348265')*sqrt(intval('8333')));
B1(160,160) = intval('2')/(intval('56271659535'));
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B1(161,160) = intval('-4')/(intval('265837419')*sqrt(intval('413445')));
B1(162,160) = intval('1')/(intval('268333545')*sqrt(intval('416009')));
B1(159,161) = intval('1')/(intval('1843605099')*sqrt(intval('8385')));
B1(160,161) = intval('-4')/(intval('265837419')*sqrt(intval('413445')));
B1(161,161) = intval('6')/(intval('173068480189'));
B1(162,161) = intval('-4')/(intval('270829671')*sqrt(intval('418605')));
B1(163,161) = intval('1')/(intval('273356853')*sqrt(intval('421185')));
B1(160,162) = intval('1')/(intval('268333545')*sqrt(intval('416009')));
B1(161,162) = intval('-4')/(intval('270829671')*sqrt(intval('418605')));
B1(162,162) = intval('2')/(intval('59133952815'));
B1(163,162) = intval('-4')/(intval('275884035')*sqrt(intval('423797')));
B1(164,162) = intval('1')/(intval('835327395')*sqrt(intval('47377')));
B1(161,163) = intval('1')/(intval('273356853')*sqrt(intval('421185')));
B1(162,163) = intval('-4')/(intval('275884035')*sqrt(intval('423797')));
B1(163,163) = intval('2')/(intval('60605369055'));
B1(164,163) = intval('-4')/(intval('843002685')*sqrt(intval('47669')));
B1(165,163) = intval('1')/(intval('283590765')*sqrt(intval('431633')));
B1(162,164) = intval('1')/(intval('835327395')*sqrt(intval('47377')));
B1(163,164) = intval('-4')/(intval('843002685')*sqrt(intval('47669')));
B1(164,164) = intval('6')/(intval('186312226285'));
B1(165,164) = intval('-4')/(intval('858541905')*sqrt(intval('48253')));
B1(166,164) = intval('1')/(intval('866406411')*sqrt(intval('48545')));
B1(163,165) = intval('1')/(intval('283590765')*sqrt(intval('431633')));
B1(164,165) = intval('-4')/(intval('858541905')*sqrt(intval('48253')));
B1(165,165) = intval('2')/(intval('63630407295'));
B1(166,165) = intval('-4')/(intval('291423639')*sqrt(intval('439565')));
B1(167,165) = intval('1')/(intval('294076965')*sqrt(intval('442209')));
B1(164,166) = intval('1')/(intval('866406411')*sqrt(intval('48545')));
B1(165,166) = intval('-4')/(intval('291423639')*sqrt(intval('439565')));
B1(166,166) = intval('2')/(intval('65184702063'));
B1(167,166) = intval('-4')/(intval('296730291')*sqrt(intval('444885')));
B1(168,166) = intval('1')/(intval('299415633')*sqrt(intval('447545')));
B1(165,167) = intval('1')/(intval('294076965')*sqrt(intval('442209')));
B1(166,167) = intval('-4')/(intval('296730291')*sqrt(intval('444885')));
B1(167,167) = intval('6')/(intval('200301897565'));
B1(168,167) = intval('-4')/(intval('302100975')*sqrt(intval('450237')));
B1(169,167) = intval('1')/(intval('304818525')*sqrt(intval('452913')));
B1(166,168) = intval('1')/(intval('299415633')*sqrt(intval('447545')));
B1(167,168) = intval('-4')/(intval('302100975')*sqrt(intval('450237')));
B1(168,168) = intval('2')/(intval('68378540175'));
B1(169,168) = intval('-4')/(intval('307536075')*sqrt(intval('455621')));
B1(170,168) = intval('1')/(intval('310286025')*sqrt(intval('458313')));
B1(167,169) = intval('1')/(intval('304818525')*sqrt(intval('452913')));
B1(168,169) = intval('-4')/(intval('307536075')*sqrt(intval('455621')));
B1(169,169) = intval('2')/(intval('70018768575'));
B1(170,169) = intval('-4')/(intval('313035975')*sqrt(intval('461037')));
B1(171,169) = intval('1')/(intval('315818517')*sqrt(intval('463745')));
B1(168,170) = intval('1')/(intval('310286025')*sqrt(intval('458313')));
B1(169,170) = intval('-4')/(intval('313035975')*sqrt(intval('461037')));
B1(170,170) = intval('6')/(intval('215064989965'));
B1(171,170) = intval('-4')/(intval('318601059')*sqrt(intval('466485')));
B1(172,170) = intval('1')/(intval('321416385')*sqrt(intval('469209')));
B1(169,171) = intval('1')/(intval('315818517')*sqrt(intval('463745')));
B1(170,171) = intval('-4')/(intval('318601059')*sqrt(intval('466485')));
B1(171,171) = intval('2')/(intval('73387572063'));
B1(172,171) = intval('-4')/(intval('324231711')*sqrt(intval('471965')));
B1(173,171) = intval('1')/(intval('981240039')*sqrt(intval('52745')));
B1(170,172) = intval('1')/(intval('321416385')*sqrt(intval('469209')));
B1(171,172) = intval('-4')/(intval('324231711')*sqrt(intval('471965')));
B1(172,172) = intval('2')/(intval('75116844495'));
B1(173,172) = intval('-4')/(intval('989784945')*sqrt(intval('53053')));
B1(174,172) = intval('1')/(intval('332809785')*sqrt(intval('480233')));
B1(171,173) = intval('1')/(intval('981240039')*sqrt(intval('52745')));
B1(172,173) = intval('-4')/(intval('989784945')*sqrt(intval('53053')));
B1(173,173) = intval('6')/(intval('230629497085'));
B1(174,173) = intval('-4')/(intval('1007073765')*sqrt(intval('53669')));
B1(175,173) = intval('1')/(intval('1015818255')*sqrt(intval('53977')));
B1(172,174) = intval('1')/(intval('332809785')*sqrt(intval('480233')));
B1(173,174) = intval('-4')/(intval('1007073765')*sqrt(intval('53669')));
B1(174,174) = intval('2')/(intval('78666889455'));
B1(175,174) = intval('-4')/(intval('341520915')*sqrt(intval('488597')));
B1(176,174) = intval('1')/(intval('344469297')*sqrt(intval('491385')));
B1(173,175) = intval('1')/(intval('1015818255')*sqrt(intval('53977')));
B1(174,175) = intval('-4')/(intval('341520915')*sqrt(intval('488597')));
B1(175,175) = intval('2')/(intval('80488371615'));
B1(176,175) = intval('-4')/(intval('347417679')*sqrt(intval('494205')));
B1(177,175) = intval('1')/(intval('350399805')*sqrt(intval('497009')));
B1(174,176) = intval('1')/(intval('344469297')*sqrt(intval('491385')));
B1(175,176) = intval('-4')/(intval('347417679')*sqrt(intval('494205')));
B1(176,176) = intval('6')/(intval('247023910189'));
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B1(177,176) = intval('-4')/(intval('353381931')*sqrt(intval('499845')));
B1(178,176) = intval('1')/(intval('356397993')*sqrt(intval('502665')));
B1(175,177) = intval('1')/(intval('350399805')*sqrt(intval('497009')));
B1(176,177) = intval('-4')/(intval('353381931')*sqrt(intval('499845')));
B1(177,177) = intval('2')/(intval('84226044735'));
B1(178,177) = intval('-4')/(intval('359414055')*sqrt(intval('505517')));
B1(179,177) = intval('1')/(intval('362464245')*sqrt(intval('508353')));
B1(176,178) = intval('1')/(intval('356397993')*sqrt(intval('502665')));
B1(177,178) = intval('-4')/(intval('359414055')*sqrt(intval('505517')));
B1(178,178) = intval('2')/(intval('86142957615'));
B1(179,178) = intval('-4')/(intval('365514435')*sqrt(intval('511221')));
B1(180,178) = intval('1')/(intval('368598945')*sqrt(intval('514073')));
B1(177,179) = intval('1')/(intval('362464245')*sqrt(intval('508353')));
B1(178,179) = intval('-4')/(intval('365514435')*sqrt(intval('511221')));
B1(179,179) = intval('6')/(intval('264277218205'));
B1(180,179) = intval('-4')/(intval('371683455')*sqrt(intval('516957')));
B1(181,179) = intval('1')/(intval('1874012385')*sqrt(intval('20793')));
B1(178,180) = intval('1')/(intval('368598945')*sqrt(intval('514073')));
B1(179,180) = intval('-4')/(intval('371683455')*sqrt(intval('516957')));
B1(180,180) = intval('2')/(intval('90074756175'));
B1(181,180) = intval('-4')/(intval('1889607495')*sqrt(intval('20909')));
B1(182,180) = intval('1')/(intval('10289031075')*sqrt(intval('721')));
B1(179,181) = intval('1')/(intval('1874012385')*sqrt(intval('20793')));
B1(180,181) = intval('-4')/(intval('1889607495')*sqrt(intval('20909')));
B1(181,181) = intval('2')/(intval('92090376063'));
B1(182,181) = intval('-4')/(intval('51870908385')*sqrt(intval('29')));
B1(183,181) = intval('1')/(intval('1937087865')*sqrt(intval('21257')));
B1(180,182) = intval('1')/(intval('10289031075')*sqrt(intval('721')));
B1(181,182) = intval('-4')/(intval('51870908385')*sqrt(intval('29')));
B1(182,182) = intval('6')/(intval('282418907725'));
B1(183,182) = intval('-4')/(intval('10546367265')*sqrt(intval('733')));
B1(184,182) = intval('1')/(intval('10633407435')*sqrt(intval('737')));
B1(181,183) = intval('1')/(intval('1937087865')*sqrt(intval('21257')));
B1(182,183) = intval('-4')/(intval('10546367265')*sqrt(intval('733')));
B1(183,183) = intval('2')/(intval('96222907935'));
B1(184,183) = intval('-4')/(intval('397053615')*sqrt(intval('540221')));
B1(185,183) = intval('1')/(intval('400312605')*sqrt(intval('543153')));
B1(182,184) = intval('1')/(intval('10633407435')*sqrt(intval('737')));
B1(183,184) = intval('-4')/(intval('397053615')*sqrt(intval('540221')));
B1(184,184) = intval('2')/(intval('98340566415'));
B1(185,184) = intval('-4')/(intval('403571595')*sqrt(intval('546117')));
B1(186,184) = intval('1')/(intval('406866057')*sqrt(intval('549065')));
B1(183,185) = intval('1')/(intval('400312605')*sqrt(intval('543153')));
B1(184,185) = intval('-4')/(intval('403571595')*sqrt(intval('546117')));
B1(185,185) = intval('6')/(intval('301478963005'));
B1(186,185) = intval('-4')/(intval('410160519')*sqrt(intval('552045')));
B1(187,185) = intval('1')/(intval('413490645')*sqrt(intval('555009')));
B1(184,186) = intval('1')/(intval('406866057')*sqrt(intval('549065')));
B1(185,186) = intval('-4')/(intval('410160519')*sqrt(intval('552045')));
B1(186,186) = intval('2')/(intval('102680550063'));
B1(187,186) = intval('-4')/(intval('416820771')*sqrt(intval('558005')));
B1(188,186) = intval('1')/(intval('420186753')*sqrt(intval('560985')));
B1(185,187) = intval('1')/(intval('413490645')*sqrt(intval('555009')));
B1(186,187) = intval('-4')/(intval('416820771')*sqrt(intval('558005')));
B1(187,187) = intval('2')/(intval('104903634015'));
B1(188,187) = intval('-4')/(intval('423552735')*sqrt(intval('563997')));
B1(189,187) = intval('1')/(intval('426954765')*sqrt(intval('566993')));
B1(186,188) = intval('1')/(intval('420186753')*sqrt(intval('560985')));
B1(187,188) = intval('-4')/(intval('423552735')*sqrt(intval('563997')));
B1(188,188) = intval('6')/(intval('321487865965'));
B1(189,188) = intval('-4')/(intval('430356795')*sqrt(intval('570021')));
B1(190,188) = intval('1')/(intval('433795065')*sqrt(intval('573033')));
B1(187,189) = intval('1')/(intval('426954765')*sqrt(intval('566993')));
B1(188,189) = intval('-4')/(intval('430356795')*sqrt(intval('570021')));
B1(189,189) = intval('2')/(intval('109457898495'));
B1(190,189) = intval('-4')/(intval('437233335')*sqrt(intval('576077')));
B1(191,189) = intval('1')/(intval('1322124111')*sqrt(intval('64345')));
B1(188,190) = intval('1')/(intval('433795065')*sqrt(intval('573033')));
B1(189,190) = intval('-4')/(intval('437233335')*sqrt(intval('576077')));
B1(190,190) = intval('2')/(intval('111789850095'));
B1(191,190) = intval('-4')/(intval('1332548217')*sqrt(intval('64685')));
B1(192,190) = intval('1')/(intval('447694065')*sqrt(intval('585209')));
B1(189,191) = intval('1')/(intval('1322124111')*sqrt(intval('64345')));
B1(190,191) = intval('-4')/(intval('1332548217')*sqrt(intval('64685')));
B1(191,191) = intval('6')/(intval('342476596189'));
B1(192,191) = intval('-4')/(intval('1353616173')*sqrt(intval('65365')));
B1(193,191) = intval('1')/(intval('1364260599')*sqrt(intval('65705')));
B1(190,192) = intval('1')/(intval('447694065')*sqrt(intval('585209')));
B1(191,192) = intval('-4')/(intval('1353616173')*sqrt(intval('65365')));
B1(192,192) = intval('2')/(intval('116565335055'));
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B1(193,192) = intval('-4')/(intval('458301675')*sqrt(intval('594437')));
B1(194,192) = intval('1')/(intval('461886825')*sqrt(intval('597513')));
B1(191,193) = intval('1')/(intval('1364260599')*sqrt(intval('65705')));
B1(192,193) = intval('-4')/(intval('458301675')*sqrt(intval('594437')));
B1(193,193) = intval('2')/(intval('119009651775'));
B1(194,193) = intval('-4')/(intval('465471975')*sqrt(intval('600621')));
B1(195,193) = intval('1')/(intval('469094325')*sqrt(intval('603713')));
B1(192,194) = intval('1')/(intval('461886825')*sqrt(intval('597513')));
B1(193,194) = intval('-4')/(intval('465471975')*sqrt(intval('600621')));
B1(194,194) = intval('6')/(intval('364476630925'));
B1(195,194) = intval('-4')/(intval('472716675')*sqrt(intval('606837')));
B1(196,194) = intval('1')/(intval('476376417')*sqrt(intval('609945')));
B1(193,195) = intval('1')/(intval('469094325')*sqrt(intval('603713')));
B1(194,195) = intval('-4')/(intval('472716675')*sqrt(intval('606837')));
B1(195,195) = intval('2')/(intval('124013407455'));
B1(196,195) = intval('-4')/(intval('480036159')*sqrt(intval('613085')));
B1(197,195) = intval('1')/(intval('483733485')*sqrt(intval('616209')));
B1(194,196) = intval('1')/(intval('476376417')*sqrt(intval('609945')));
B1(195,196) = intval('-4')/(intval('480036159')*sqrt(intval('613085')));
B1(196,196) = intval('2')/(intval('126573642063'));
B1(197,196) = intval('-4')/(intval('487430811')*sqrt(intval('619365')));
B1(198,196) = intval('1')/(intval('491165913')*sqrt(intval('622505')));
B1(195,197) = intval('1')/(intval('483733485')*sqrt(intval('616209')));
B1(196,197) = intval('-4')/(intval('487430811')*sqrt(intval('619365')));
B1(197,197) = intval('6')/(intval('387519945085'));
B1(198,197) = intval('-4')/(intval('494901015')*sqrt(intval('625677')));
B1(199,197) = intval('1')/(intval('498674085')*sqrt(intval('628833')));
B1(196,198) = intval('1')/(intval('491165913')*sqrt(intval('622505')));
B1(197,198) = intval('-4')/(intval('494901015')*sqrt(intval('625677')));
B1(198,198) = intval('2')/(intval('131812829295'));
B1(199,198) = intval('-4')/(intval('502447155')*sqrt(intval('632021')));
B1(200,198) = intval('1')/(intval('1518775155')*sqrt(intval('70577')));
B1(197,199) = intval('1')/(intval('498674085')*sqrt(intval('628833')));
B1(198,199) = intval('-4')/(intval('502447155')*sqrt(intval('632021')));
B1(199,199) = intval('2')/(intval('134492589855'));
B1(200,199) = intval('-4')/(intval('1530208845')*sqrt(intval('70933')));
B1(198,200) = intval('1')/(intval('1518775155')*sqrt(intval('70577')));
B1(199,200) = intval('-4')/(intval('1530208845')*sqrt(intval('70933')));
B1(200,200) = intval('6')/(intval('411639011245'));
```

“function generate_B2.m”

```
function B2 = generate_B2
B2 = intval(zeros(200,200));
B2(1,1) = intval('-2')/(intval('21'));
B2(2,1) = intval('1')/(intval('21')*sqrt(intval('5')));
B2(1,2) = intval('1')/(intval('21')*sqrt(intval('5')));
B2(2,2) = intval('-2')/(intval('77'));
B2(3,2) = intval('1')/(intval('33')*sqrt(intval('13')));
B2(2,3) = intval('1')/(intval('33')*sqrt(intval('13')));
B2(3,3) = intval('-2')/(intval('165'));
B2(4,3) = intval('1')/(intval('15')*sqrt(intval('221')));
B2(3,4) = intval('1')/(intval('15')*sqrt(intval('221')));
B2(4,4) = intval('-2')/(intval('285'));
B2(5,4) = intval('1')/(intval('19')*sqrt(intval('357')));
B2(4,5) = intval('1')/(intval('19')*sqrt(intval('357')));
B2(5,5) = intval('-2')/(intval('437'));
B2(6,5) = intval('1')/(intval('115')*sqrt(intval('21')));
B2(5,6) = intval('1')/(intval('115')*sqrt(intval('21')));
B2(6,6) = intval('-2')/(intval('621'));
B2(7,6) = intval('1')/(intval('135')*sqrt(intval('29')));
B2(6,7) = intval('1')/(intval('135')*sqrt(intval('29')));
B2(7,7) = intval('-2')/(intval('837'));
B2(8,7) = intval('1')/(intval('31')*sqrt(intval('957')));
B2(7,8) = intval('1')/(intval('31')*sqrt(intval('957')));
B2(8,8) = intval('-2')/(intval('1085'));
B2(9,8) = intval('1')/(intval('35')*sqrt(intval('1221')));
B2(8,9) = intval('1')/(intval('35')*sqrt(intval('1221')));
B2(9,9) = intval('-2')/(intval('1365'));
B2(10,9) = intval('1')/(intval('39')*sqrt(intval('1517')));
B2(9,10) = intval('1')/(intval('39')*sqrt(intval('1517')));
B2(10,10) = intval('-2')/(intval('1677'));
B2(11,10) = intval('1')/(intval('129')*sqrt(intval('205')));
B2(10,11) = intval('1')/(intval('129')*sqrt(intval('205')));
B2(11,11) = intval('-2')/(intval('2021'));
B2(12,11) = intval('1')/(intval('987')*sqrt(intval('5')));
B2(11,12) = intval('1')/(intval('987')*sqrt(intval('5')));
B2(12,12) = intval('-2')/(intval('2397'));
B2(13,12) = intval('1')/(intval('357')*sqrt(intval('53')));
B2(12,13) = intval('1')/(intval('357')*sqrt(intval('53')));
B2(13,13) = intval('-2')/(intval('2805'));
B2(14,13) = intval('1')/(intval('55')*sqrt(intval('3021')));
B2(13,14) = intval('1')/(intval('55')*sqrt(intval('3021')));
B2(14,14) = intval('-2')/(intval('3245'));
B2(15,14) = intval('1')/(intval('59')*sqrt(intval('3477')));
B2(14,15) = intval('1')/(intval('59')*sqrt(intval('3477')));
B2(15,15) = intval('-2')/(intval('3717'));
B2(16,15) = intval('1')/(intval('63')*sqrt(intval('3965')));
B2(15,16) = intval('1')/(intval('63')*sqrt(intval('3965')));
B2(16,16) = intval('-2')/(intval('4221'));
B2(17,16) = intval('1')/(intval('67')*sqrt(intval('4485')));
B2(16,17) = intval('1')/(intval('67')*sqrt(intval('4485')));
B2(17,17) = intval('-2')/(intval('4757'));
B2(18,17) = intval('1')/(intval('71')*sqrt(intval('5037')));
B2(17,18) = intval('1')/(intval('71')*sqrt(intval('5037')));
B2(18,18) = intval('-2')/(intval('5325'));
B2(19,18) = intval('1')/(intval('75')*sqrt(intval('5621')));
B2(18,19) = intval('1')/(intval('75')*sqrt(intval('5621')));
B2(19,19) = intval('-2')/(intval('5925'));
B2(20,19) = intval('1')/(intval('711')*sqrt(intval('77')));
B2(19,20) = intval('1')/(intval('711')*sqrt(intval('77')));
B2(20,20) = intval('-2')/(intval('6557'));
B2(21,20) = intval('1')/(intval('747')*sqrt(intval('85')));
B2(20,21) = intval('1')/(intval('747')*sqrt(intval('85')));
B2(21,21) = intval('-2')/(intval('7221'));
B2(22,21) = intval('1')/(intval('87')*sqrt(intval('7565')));
B2(21,22) = intval('1')/(intval('87')*sqrt(intval('7565')));
B2(22,22) = intval('-2')/(intval('7917'));
B2(23,22) = intval('1')/(intval('91')*sqrt(intval('8277')));
B2(22,23) = intval('1')/(intval('91')*sqrt(intval('8277')));
B2(23,23) = intval('-2')/(intval('8645'));
B2(24,23) = intval('1')/(intval('95')*sqrt(intval('9021')));
B2(23,24) = intval('1')/(intval('95')*sqrt(intval('9021')));
B2(24,24) = intval('-2')/(intval('9405'));
B2(25,24) = intval('1')/(intval('99')*sqrt(intval('9797')));
B2(24,25) = intval('1')/(intval('99')*sqrt(intval('9797')));
B2(25,25) = intval('-2')/(intval('10197'));
B2(26,25) = intval('1')/(intval('103')*sqrt(intval('10605')));
B2(25,26) = intval('1')/(intval('103')*sqrt(intval('10605')));
B2(26,26) = intval('-2')/(intval('11021'));
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B2(27,26) = intval('1')/(intval('107')*sqrt(intval('11445')));
B2(26,27) = intval('1')/(intval('107')*sqrt(intval('11445')));
B2(27,27) = intval('-2')/(intval('11877'));
B2(28,27) = intval('1')/(intval('111')*sqrt(intval('12317')));
B2(27,28) = intval('1')/(intval('111')*sqrt(intval('12317')));
B2(28,28) = intval('-2')/(intval('12765'));
B2(29,28) = intval('1')/(intval('345')*sqrt(intval('1469')));
B2(28,29) = intval('1')/(intval('345')*sqrt(intval('1469')));
B2(29,29) = intval('-2')/(intval('13685'));
B2(30,29) = intval('1')/(intval('3927')*sqrt(intval('13')));
B2(29,30) = intval('1')/(intval('3927')*sqrt(intval('13')));
B2(30,30) = intval('-2')/(intval('14637'));
B2(31,30) = intval('1')/(intval('6765')*sqrt(intval('5')));
B2(30,31) = intval('1')/(intval('6765')*sqrt(intval('5')));
B2(31,31) = intval('-2')/(intval('15621'));
B2(32,31) = intval('1')/(intval('635')*sqrt(intval('645')));
B2(31,32) = intval('1')/(intval('635')*sqrt(intval('645')));
B2(32,32) = intval('-2')/(intval('16637'));
B2(33,32) = intval('1')/(intval('131')*sqrt(intval('17157')));
B2(32,33) = intval('1')/(intval('131')*sqrt(intval('17157')));
B2(33,33) = intval('-2')/(intval('17685'));
B2(34,33) = intval('1')/(intval('135')*sqrt(intval('18221')));
B2(33,34) = intval('1')/(intval('135')*sqrt(intval('18221')));
B2(34,34) = intval('-2')/(intval('18765'));
B2(35,34) = intval('1')/(intval('139')*sqrt(intval('19317')));
B2(34,35) = intval('1')/(intval('139')*sqrt(intval('19317')));
B2(35,35) = intval('-2')/(intval('19877'));
B2(36,35) = intval('1')/(intval('143')*sqrt(intval('20445')));
B2(35,36) = intval('1')/(intval('143')*sqrt(intval('20445')));
B2(36,36) = intval('-2')/(intval('21021'));
B2(37,36) = intval('1')/(intval('147')*sqrt(intval('21605')));
B2(36,37) = intval('1')/(intval('147')*sqrt(intval('21605')));
B2(37,37) = intval('-2')/(intval('22197'));
B2(38,37) = intval('1')/(intval('453')*sqrt(intval('2533')));
B2(37,38) = intval('1')/(intval('453')*sqrt(intval('2533')));
B2(38,38) = intval('-2')/(intval('23405'));
B2(39,38) = intval('1')/(intval('465')*sqrt(intval('2669')));
B2(38,39) = intval('1')/(intval('465')*sqrt(intval('2669')));
B2(39,39) = intval('-2')/(intval('24645'));
B2(40,39) = intval('1')/(intval('159')*sqrt(intval('25277')));
B2(39,40) = intval('1')/(intval('159')*sqrt(intval('25277')));
B2(40,40) = intval('-2')/(intval('25917'));
B2(41,40) = intval('1')/(intval('163')*sqrt(intval('26565')));
B2(40,41) = intval('1')/(intval('163')*sqrt(intval('26565')));
B2(41,41) = intval('-2')/(intval('27221'));
B2(42,41) = intval('1')/(intval('2171')*sqrt(intval('165')));
B2(41,42) = intval('1')/(intval('2171')*sqrt(intval('165')));
B2(42,42) = intval('-2')/(intval('28557'));
B2(43,42) = intval('1')/(intval('2223')*sqrt(intval('173')));
B2(42,43) = intval('1')/(intval('2223')*sqrt(intval('173')));
B2(43,43) = intval('-2')/(intval('29925'));
B2(44,43) = intval('1')/(intval('175')*sqrt(intval('30621')));
B2(43,44) = intval('1')/(intval('175')*sqrt(intval('30621')));
B2(44,44) = intval('-2')/(intval('31325'));
B2(45,44) = intval('1')/(intval('179')*sqrt(intval('32037')));
B2(44,45) = intval('1')/(intval('179')*sqrt(intval('32037')));
B2(45,45) = intval('-2')/(intval('32757'));
B2(46,45) = intval('1')/(intval('183')*sqrt(intval('33485')));
B2(45,46) = intval('1')/(intval('183')*sqrt(intval('33485')));
B2(46,46) = intval('-2')/(intval('34221'));
B2(47,46) = intval('1')/(intval('561')*sqrt(intval('3885')));
B2(46,47) = intval('1')/(intval('561')*sqrt(intval('3885')));
B2(47,47) = intval('-2')/(intval('35717'));
B2(48,47) = intval('1')/(intval('573')*sqrt(intval('4053')));
B2(47,48) = intval('1')/(intval('573')*sqrt(intval('4053')));
B2(48,48) = intval('-2')/(intval('37245'));
B2(49,48) = intval('1')/(intval('195')*sqrt(intval('38021')));
B2(48,49) = intval('1')/(intval('195')*sqrt(intval('38021')));
B2(49,49) = intval('-2')/(intval('38805'));
B2(50,49) = intval('1')/(intval('199')*sqrt(intval('39597')));
B2(49,50) = intval('1')/(intval('199')*sqrt(intval('39597')));
B2(50,50) = intval('-2')/(intval('40397'));
B2(51,50) = intval('1')/(intval('203')*sqrt(intval('41205')));
B2(50,51) = intval('1')/(intval('203')*sqrt(intval('41205')));
B2(51,51) = intval('-2')/(intval('42021'));
B2(52,51) = intval('1')/(intval('207')*sqrt(intval('42845')));
B2(51,52) = intval('1')/(intval('207')*sqrt(intval('42845')));
B2(52,52) = intval('-2')/(intval('43677'));
B2(53,52) = intval('1')/(intval('211')*sqrt(intval('44517')));
B2(52,53) = intval('1')/(intval('211')*sqrt(intval('44517')));
B2(53,53) = intval('-2')/(intval('45365'));
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B2(54,53) = intval('1')/(intval('215')*sqrt(intval('46221')));
B2(53,54) = intval('1')/(intval('215')*sqrt(intval('46221')));
B2(54,54) = intval('-2')/(intval('47085'));
B2(55,54) = intval('1')/(intval('219')*sqrt(intval('47957')));
B2(54,55) = intval('1')/(intval('219')*sqrt(intval('47957')));
B2(55,55) = intval('-2')/(intval('48837'));
B2(56,55) = intval('1')/(intval('3345')*sqrt(intval('221')));
B2(55,56) = intval('1')/(intval('3345')*sqrt(intval('221')));
B2(56,56) = intval('-2')/(intval('50621'));
B2(57,56) = intval('1')/(intval('3405')*sqrt(intval('229')));
B2(56,57) = intval('1')/(intval('3405')*sqrt(intval('229')));
B2(57,57) = intval('-2')/(intval('52437'));
B2(58,57) = intval('1')/(intval('231')*sqrt(intval('53357')));
B2(57,58) = intval('1')/(intval('231')*sqrt(intval('53357')));
B2(58,58) = intval('-2')/(intval('54285'));
B2(59,58) = intval('1')/(intval('235')*sqrt(intval('55221')));
B2(58,59) = intval('1')/(intval('235')*sqrt(intval('55221')));
B2(59,59) = intval('-2')/(intval('56165'));
B2(60,59) = intval('1')/(intval('239')*sqrt(intval('57117')));
B2(59,60) = intval('1')/(intval('239')*sqrt(intval('57117')));
B2(60,60) = intval('-2')/(intval('58077'));
B2(61,60) = intval('1')/(intval('1701')*sqrt(intval('1205')));
B2(60,61) = intval('1')/(intval('1701')*sqrt(intval('1205')));
B2(61,61) = intval('-2')/(intval('60021'));
B2(62,61) = intval('1')/(intval('1729')*sqrt(intval('1245')));
B2(61,62) = intval('1')/(intval('1729')*sqrt(intval('1245')));
B2(62,62) = intval('-2')/(intval('61997'));
B2(63,62) = intval('1')/(intval('251')*sqrt(intval('62997')));
B2(62,63) = intval('1')/(intval('251')*sqrt(intval('62997')));
B2(63,63) = intval('-2')/(intval('64005'));
B2(64,63) = intval('1')/(intval('255')*sqrt(intval('65021')));
B2(63,64) = intval('1')/(intval('255')*sqrt(intval('65021')));
B2(64,64) = intval('-2')/(intval('66045'));
B2(65,64) = intval('1')/(intval('777')*sqrt(intval('7453')));
B2(64,65) = intval('1')/(intval('777')*sqrt(intval('7453')));
B2(65,65) = intval('-2')/(intval('68117'));
B2(66,65) = intval('1')/(intval('789')*sqrt(intval('7685')));
B2(65,66) = intval('1')/(intval('789')*sqrt(intval('7685')));
B2(66,66) = intval('-2')/(intval('70221'));
B2(67,66) = intval('1')/(intval('267')*sqrt(intval('71285')));
B2(66,67) = intval('1')/(intval('267')*sqrt(intval('71285')));
B2(67,67) = intval('-2')/(intval('72357'));
B2(68,67) = intval('1')/(intval('271')*sqrt(intval('73437')));
B2(67,68) = intval('1')/(intval('271')*sqrt(intval('73437')));
B2(68,68) = intval('-2')/(intval('74525'));
B2(69,68) = intval('1')/(intval('275')*sqrt(intval('75621')));
B2(68,69) = intval('1')/(intval('275')*sqrt(intval('75621')));
B2(69,69) = intval('-2')/(intval('76725'));
B2(70,69) = intval('1')/(intval('279')*sqrt(intval('77837')));
B2(69,70) = intval('1')/(intval('279')*sqrt(intval('77837')));
B2(70,70) = intval('-2')/(intval('78957'));
B2(71,70) = intval('1')/(intval('283')*sqrt(intval('80085')));
B2(70,71) = intval('1')/(intval('283')*sqrt(intval('80085')));
B2(71,71) = intval('-2')/(intval('81221'));
B2(72,71) = intval('1')/(intval('4879')*sqrt(intval('285')));
B2(71,72) = intval('1')/(intval('4879')*sqrt(intval('285')));
B2(72,72) = intval('-2')/(intval('83517'));
B2(73,72) = intval('1')/(intval('4947')*sqrt(intval('293')));
B2(72,73) = intval('1')/(intval('4947')*sqrt(intval('293')));
B2(73,73) = intval('-2')/(intval('85845'));
B2(74,73) = intval('1')/(intval('885')*sqrt(intval('9669')));
B2(73,74) = intval('1')/(intval('885')*sqrt(intval('9669')));
B2(74,74) = intval('-2')/(intval('88205'));
B2(75,74) = intval('1')/(intval('897')*sqrt(intval('9933')));
B2(74,75) = intval('1')/(intval('897')*sqrt(intval('9933')));
B2(75,75) = intval('-2')/(intval('90597'));
B2(76,75) = intval('1')/(intval('303')*sqrt(intval('91805')));
B2(75,76) = intval('1')/(intval('303')*sqrt(intval('91805')));
B2(76,76) = intval('-2')/(intval('93021'));
B2(77,76) = intval('1')/(intval('307')*sqrt(intval('94245')));
B2(76,77) = intval('1')/(intval('307')*sqrt(intval('94245')));
B2(77,77) = intval('-2')/(intval('95477'));
B2(78,77) = intval('1')/(intval('311')*sqrt(intval('96717')));
B2(77,78) = intval('1')/(intval('311')*sqrt(intval('96717')));
B2(78,78) = intval('-2')/(intval('97965'));
B2(79,78) = intval('1')/(intval('315')*sqrt(intval('99221')));
B2(78,79) = intval('1')/(intval('315')*sqrt(intval('99221')));
B2(79,79) = intval('-2')/(intval('100485'));
B2(80,79) = intval('1')/(intval('319')*sqrt(intval('101757')));
B2(79,80) = intval('1')/(intval('319')*sqrt(intval('101757')));
B2(80,80) = intval('-2')/(intval('103037'));
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B2(81,80) = intval('1')/(intval('1615')*sqrt(intval('4173')));
B2(80,81) = intval('1')/(intval('1615')*sqrt(intval('4173')));
B2(81,81) = intval('-2')/(intval('105621'));
B2(82,81) = intval('1')/(intval('1635')*sqrt(intval('4277')));
B2(81,82) = intval('1')/(intval('1635')*sqrt(intval('4277')));
B2(82,82) = intval('-2')/(intval('108237'));
B2(83,82) = intval('1')/(intval('993')*sqrt(intval('12173')));
B2(82,83) = intval('1')/(intval('993')*sqrt(intval('12173')));
B2(83,83) = intval('-2')/(intval('110885'));
B2(84,83) = intval('1')/(intval('1005')*sqrt(intval('12469')));
B2(83,84) = intval('1')/(intval('1005')*sqrt(intval('12469')));
B2(84,84) = intval('-2')/(intval('113565'));
B2(85,84) = intval('1')/(intval('339')*sqrt(intval('114917')));
B2(84,85) = intval('1')/(intval('339')*sqrt(intval('114917')));
B2(85,85) = intval('-2')/(intval('116277'));
B2(86,85) = intval('1')/(intval('343')*sqrt(intval('117645')));
B2(85,86) = intval('1')/(intval('343')*sqrt(intval('117645')));
B2(86,86) = intval('-2')/(intval('119021'));
B2(87,86) = intval('1')/(intval('347')*sqrt(intval('120405')));
B2(86,87) = intval('1')/(intval('347')*sqrt(intval('120405')));
B2(87,87) = intval('-2')/(intval('121797'));
B2(88,87) = intval('1')/(intval('351')*sqrt(intval('123197')));
B2(87,88) = intval('1')/(intval('351')*sqrt(intval('123197')));
B2(88,88) = intval('-2')/(intval('124605'));
B2(89,88) = intval('1')/(intval('355')*sqrt(intval('126021')));
B2(88,89) = intval('1')/(intval('355')*sqrt(intval('126021')));
B2(89,89) = intval('-2')/(intval('127445'));
B2(90,89) = intval('1')/(intval('6821')*sqrt(intval('357')));
B2(89,90) = intval('1')/(intval('6821')*sqrt(intval('357')));
B2(90,90) = intval('-2')/(intval('130317'));
B2(91,90) = intval('1')/(intval('6897')*sqrt(intval('365')));
B2(90,91) = intval('1')/(intval('6897')*sqrt(intval('365')));
B2(91,91) = intval('-2')/(intval('133221'));
B2(92,91) = intval('1')/(intval('1101')*sqrt(intval('14965')));
B2(91,92) = intval('1')/(intval('1101')*sqrt(intval('14965')));
B2(92,92) = intval('-2')/(intval('136157'));
B2(93,92) = intval('1')/(intval('1113')*sqrt(intval('15293')));
B2(92,93) = intval('1')/(intval('1113')*sqrt(intval('15293')));
B2(93,93) = intval('-2')/(intval('139125'));
B2(94,93) = intval('1')/(intval('375')*sqrt(intval('140621')));
B2(93,94) = intval('1')/(intval('375')*sqrt(intval('140621')));
B2(94,94) = intval('-2')/(intval('142125'));
B2(95,94) = intval('1')/(intval('379')*sqrt(intval('143637')));
B2(94,95) = intval('1')/(intval('379')*sqrt(intval('143637')));
B2(95,95) = intval('-2')/(intval('145157'));
B2(96,95) = intval('1')/(intval('383')*sqrt(intval('146685')));
B2(95,96) = intval('1')/(intval('383')*sqrt(intval('146685')));
B2(96,96) = intval('-2')/(intval('148221'));
B2(97,96) = intval('1')/(intval('387')*sqrt(intval('149765')));
B2(96,97) = intval('1')/(intval('387')*sqrt(intval('149765')));
B2(97,97) = intval('-2')/(intval('151317'));
B2(98,97) = intval('1')/(intval('391')*sqrt(intval('152877')));
B2(97,98) = intval('1')/(intval('391')*sqrt(intval('152877')));
B2(98,98) = intval('-2')/(intval('154445'));
B2(99,98) = intval('1')/(intval('395')*sqrt(intval('156021')));
B2(98,99) = intval('1')/(intval('395')*sqrt(intval('156021')));
B2(99,99) = intval('-2')/(intval('157605'));
B2(100,99) = intval('1')/(intval('399')*sqrt(intval('159197')));
B2(99,100) = intval('1')/(intval('399')*sqrt(intval('159197')));
B2(100,100) = intval('-2')/(intval('160797'));
B2(101,100) = intval('1')/(intval('3627')*sqrt(intval('2005')));
B2(100,101) = intval('1')/(intval('3627')*sqrt(intval('2005')));
B2(101,101) = intval('-2')/(intval('164021'));
B2(102,101) = intval('1')/(intval('3663')*sqrt(intval('2045')));
B2(101,102) = intval('1')/(intval('3663')*sqrt(intval('2045')));
B2(102,102) = intval('-2')/(intval('167277'));
B2(103,102) = intval('1')/(intval('411')*sqrt(intval('168917')));
B2(102,103) = intval('1')/(intval('411')*sqrt(intval('168917')));
B2(103,103) = intval('-2')/(intval('170565'));
B2(104,103) = intval('1')/(intval('415')*sqrt(intval('172221')));
B2(103,104) = intval('1')/(intval('415')*sqrt(intval('172221')));
B2(104,104) = intval('-2')/(intval('173885'));
B2(105,104) = intval('1')/(intval('419')*sqrt(intval('175557')));
B2(104,105) = intval('1')/(intval('419')*sqrt(intval('175557')));
B2(105,105) = intval('-2')/(intval('177237'));
B2(106,105) = intval('1')/(intval('2115')*sqrt(intval('7157')));
B2(105,106) = intval('1')/(intval('2115')*sqrt(intval('7157')));
B2(106,106) = intval('-2')/(intval('180621'));
B2(107,106) = intval('1')/(intval('2135')*sqrt(intval('7293')));
B2(106,107) = intval('1')/(intval('2135')*sqrt(intval('7293')));
B2(107,107) = intval('-2')/(intval('184037'));
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B2(108,107) = intval('1')/(intval('431')*sqrt(intval('185757')));
B2(107,108) = intval('1')/(intval('431')*sqrt(intval('185757')));
B2(108,108) = intval('-2')/(intval('187485'));
B2(109,108) = intval('1')/(intval('435')*sqrt(intval('189221')));
B2(108,109) = intval('1')/(intval('435')*sqrt(intval('189221')));
B2(109,109) = intval('-2')/(intval('190965'));
B2(110,109) = intval('1')/(intval('9219')*sqrt(intval('437')));
B2(109,110) = intval('1')/(intval('9219')*sqrt(intval('437')));
B2(110,110) = intval('-2')/(intval('194477'));
B2(111,110) = intval('1')/(intval('9303')*sqrt(intval('445')));
B2(110,111) = intval('1')/(intval('9303')*sqrt(intval('445')));
B2(111,111) = intval('-2')/(intval('198021'));
B2(112,111) = intval('1')/(intval('447')*sqrt(intval('199805')));
B2(111,112) = intval('1')/(intval('447')*sqrt(intval('199805')));
B2(112,112) = intval('-2')/(intval('201597'));
B2(113,112) = intval('1')/(intval('451')*sqrt(intval('203397')));
B2(112,113) = intval('1')/(intval('451')*sqrt(intval('203397')));
B2(113,113) = intval('-2')/(intval('205205'));
B2(114,113) = intval('1')/(intval('455')*sqrt(intval('207021')));
B2(113,114) = intval('1')/(intval('455')*sqrt(intval('207021')));
B2(114,114) = intval('-2')/(intval('208845'));
B2(115,114) = intval('1')/(intval('459')*sqrt(intval('210677')));
B2(114,115) = intval('1')/(intval('459')*sqrt(intval('210677')));
B2(115,115) = intval('-2')/(intval('212517'));
B2(116,115) = intval('1')/(intval('463')*sqrt(intval('214365')));
B2(115,116) = intval('1')/(intval('463')*sqrt(intval('214365')));
B2(116,116) = intval('-2')/(intval('216221'));
B2(117,116) = intval('1')/(intval('467')*sqrt(intval('218085')));
B2(116,117) = intval('1')/(intval('467')*sqrt(intval('218085')));
B2(117,117) = intval('-2')/(intval('219957'));
B2(118,117) = intval('1')/(intval('471')*sqrt(intval('221837')));
B2(117,118) = intval('1')/(intval('471')*sqrt(intval('221837')));
B2(118,118) = intval('-2')/(intval('223725'));
B2(119,118) = intval('1')/(intval('1425')*sqrt(intval('25069')));
B2(118,119) = intval('1')/(intval('1425')*sqrt(intval('25069')));
B2(119,119) = intval('-2')/(intval('227525'));
B2(120,119) = intval('1')/(intval('1437')*sqrt(intval('25493')));
B2(119,120) = intval('1')/(intval('1437')*sqrt(intval('25493')));
B2(120,120) = intval('-2')/(intval('231357'));
B2(121,120) = intval('1')/(intval('483')*sqrt(intval('233285')));
B2(120,121) = intval('1')/(intval('483')*sqrt(intval('233285')));
B2(121,121) = intval('-2')/(intval('235221'));
B2(122,121) = intval('1')/(intval('487')*sqrt(intval('237165')));
B2(121,122) = intval('1')/(intval('487')*sqrt(intval('237165')));
B2(122,122) = intval('-2')/(intval('239117'));
B2(123,122) = intval('1')/(intval('491')*sqrt(intval('241077')));
B2(122,123) = intval('1')/(intval('491')*sqrt(intval('241077')));
B2(123,123) = intval('-2')/(intval('243045'));
B2(124,123) = intval('1')/(intval('495')*sqrt(intval('245021')));
B2(123,124) = intval('1')/(intval('495')*sqrt(intval('245021')));
B2(124,124) = intval('-2')/(intval('247005'));
B2(125,124) = intval('1')/(intval('499')*sqrt(intval('248997')));
B2(124,125) = intval('1')/(intval('499')*sqrt(intval('248997')));
B2(125,125) = intval('-2')/(intval('250997'));
B2(126,125) = intval('1')/(intval('503')*sqrt(intval('253005')));
B2(125,126) = intval('1')/(intval('503')*sqrt(intval('253005')));
B2(126,126) = intval('-2')/(intval('255021'));
B2(127,126) = intval('1')/(intval('507')*sqrt(intval('257045')));
B2(126,127) = intval('1')/(intval('507')*sqrt(intval('257045')));
B2(127,127) = intval('-2')/(intval('259077'));
B2(128,127) = intval('1')/(intval('1533')*sqrt(intval('29013')));
B2(127,128) = intval('1')/(intval('1533')*sqrt(intval('29013')));
B2(128,128) = intval('-2')/(intval('263165'));
B2(129,128) = intval('1')/(intval('1545')*sqrt(intval('29469')));
B2(128,129) = intval('1')/(intval('1545')*sqrt(intval('29469')));
B2(129,129) = intval('-2')/(intval('267285'));
B2(130,129) = intval('1')/(intval('519')*sqrt(intval('269357')));
B2(129,130) = intval('1')/(intval('519')*sqrt(intval('269357')));
B2(130,130) = intval('-2')/(intval('271437'));
B2(131,130) = intval('1')/(intval('2615')*sqrt(intval('10941')));
B2(130,131) = intval('1')/(intval('2615')*sqrt(intval('10941')));
B2(131,131) = intval('-2')/(intval('275621'));
B2(132,131) = intval('1')/(intval('60605')*sqrt(intval('21')));
B2(131,132) = intval('1')/(intval('60605')*sqrt(intval('21')));
B2(132,132) = intval('-2')/(intval('279837'));
B2(133,132) = intval('1')/(intval('12213')*sqrt(intval('533')));
B2(132,133) = intval('1')/(intval('12213')*sqrt(intval('533')));
B2(133,133) = intval('-2')/(intval('284085'));
B2(134,133) = intval('1')/(intval('535')*sqrt(intval('286221')));
B2(133,134) = intval('1')/(intval('535')*sqrt(intval('286221')));
B2(134,134) = intval('-2')/(intval('288365'));
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B2(135,134) = intval('1')/(intval('539')*sqrt(intval('290517')));
B2(134,135) = intval('1')/(intval('539')*sqrt(intval('290517')));
B2(135,135) = intval('-2')/(intval('292677'));
B2(136,135) = intval('1')/(intval('543')*sqrt(intval('294845')));
B2(135,136) = intval('1')/(intval('543')*sqrt(intval('294845')));
B2(136,136) = intval('-2')/(intval('297021'));
B2(137,136) = intval('1')/(intval('1641')*sqrt(intval('33245')));
B2(136,137) = intval('1')/(intval('1641')*sqrt(intval('33245')));
B2(137,137) = intval('-2')/(intval('301397'));
B2(138,137) = intval('1')/(intval('1653')*sqrt(intval('33733')));
B2(137,138) = intval('1')/(intval('1653')*sqrt(intval('33733')));
B2(138,138) = intval('-2')/(intval('305805'));
B2(139,138) = intval('1')/(intval('555')*sqrt(intval('308021')));
B2(138,139) = intval('1')/(intval('555')*sqrt(intval('308021')));
B2(139,139) = intval('-2')/(intval('310245'));
B2(140,139) = intval('1')/(intval('559')*sqrt(intval('312477')));
B2(139,140) = intval('1')/(intval('559')*sqrt(intval('312477')));
B2(140,140) = intval('-2')/(intval('314717'));
B2(141,140) = intval('1')/(intval('563')*sqrt(intval('316965')));
B2(140,141) = intval('1')/(intval('563')*sqrt(intval('316965')));
B2(141,141) = intval('-2')/(intval('319221'));
B2(142,141) = intval('1')/(intval('567')*sqrt(intval('321485')));
B2(141,142) = intval('1')/(intval('567')*sqrt(intval('321485')));
B2(142,142) = intval('-2')/(intval('323757'));
B2(143,142) = intval('1')/(intval('571')*sqrt(intval('326037')));
B2(142,143) = intval('1')/(intval('571')*sqrt(intval('326037')));
B2(143,143) = intval('-2')/(intval('328325'));
B2(144,143) = intval('1')/(intval('575')*sqrt(intval('330621')));
B2(143,144) = intval('1')/(intval('575')*sqrt(intval('330621')));
B2(144,144) = intval('-2')/(intval('332925'));
B2(145,144) = intval('1')/(intval('579')*sqrt(intval('335237')));
B2(144,145) = intval('1')/(intval('579')*sqrt(intval('335237')));
B2(145,145) = intval('-2')/(intval('337557'));
B2(146,145) = intval('1')/(intval('1749')*sqrt(intval('37765')));
B2(145,146) = intval('1')/(intval('1749')*sqrt(intval('37765')));
B2(146,146) = intval('-2')/(intval('342221'));
B2(147,146) = intval('1')/(intval('1761')*sqrt(intval('38285')));
B2(146,147) = intval('1')/(intval('1761')*sqrt(intval('38285')));
B2(147,147) = intval('-2')/(intval('346917'));
B2(148,147) = intval('1')/(intval('591')*sqrt(intval('349277')));
B2(147,148) = intval('1')/(intval('591')*sqrt(intval('349277')));
B2(148,148) = intval('-2')/(intval('351645'));
B2(149,148) = intval('1')/(intval('595')*sqrt(intval('354021')));
B2(148,149) = intval('1')/(intval('595')*sqrt(intval('354021')));
B2(149,149) = intval('-2')/(intval('356405'));
B2(150,149) = intval('1')/(intval('599')*sqrt(intval('358797')));
B2(149,150) = intval('1')/(intval('599')*sqrt(intval('358797')));
B2(150,150) = intval('-2')/(intval('361197'));
B2(151,150) = intval('1')/(intval('6633')*sqrt(intval('3005')));
B2(150,151) = intval('1')/(intval('6633')*sqrt(intval('3005')));
B2(151,151) = intval('-2')/(intval('366021'));
B2(152,151) = intval('1')/(intval('6677')*sqrt(intval('3045')));
B2(151,152) = intval('1')/(intval('6677')*sqrt(intval('3045')));
B2(152,152) = intval('-2')/(intval('370877'));
B2(153,152) = intval('1')/(intval('611')*sqrt(intval('373317')));
B2(152,153) = intval('1')/(intval('611')*sqrt(intval('373317')));
B2(153,153) = intval('-2')/(intval('375765'));
B2(154,153) = intval('1')/(intval('615')*sqrt(intval('378221')));
B2(153,154) = intval('1')/(intval('615')*sqrt(intval('378221')));
B2(154,154) = intval('-2')/(intval('380685'));
B2(155,154) = intval('1')/(intval('1857')*sqrt(intval('42573')));
B2(154,155) = intval('1')/(intval('1857')*sqrt(intval('42573')));
B2(155,155) = intval('-2')/(intval('385637'));
B2(156,155) = intval('1')/(intval('46725')*sqrt(intval('69')));
B2(155,156) = intval('1')/(intval('46725')*sqrt(intval('69')));
B2(156,156) = intval('-2')/(intval('390621'));
B2(157,156) = intval('1')/(intval('15675')*sqrt(intval('629')));
B2(156,157) = intval('1')/(intval('15675')*sqrt(intval('629')));
B2(157,157) = intval('-2')/(intval('395637'));
B2(158,157) = intval('1')/(intval('631')*sqrt(intval('398157')));
B2(157,158) = intval('1')/(intval('631')*sqrt(intval('398157')));
B2(158,158) = intval('-2')/(intval('400685'));
B2(159,158) = intval('1')/(intval('4445')*sqrt(intval('8229')));
B2(158,159) = intval('1')/(intval('4445')*sqrt(intval('8229')));
B2(159,159) = intval('-2')/(intval('405765'));
B2(160,159) = intval('1')/(intval('4473')*sqrt(intval('8333')));
B2(159,160) = intval('1')/(intval('4473')*sqrt(intval('8333')));
B2(160,160) = intval('-2')/(intval('410877'));
B2(161,160) = intval('1')/(intval('643')*sqrt(intval('413445')));
B2(160,161) = intval('1')/(intval('643')*sqrt(intval('413445')));
B2(161,161) = intval('-2')/(intval('416021'));
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B2(162,161) = intval('1')/(intval('647')*sqrt(intval('418605')));
B2(161,162) = intval('1')/(intval('647')*sqrt(intval('418605')));
B2(162,162) = intval('-2')/(intval('421197'));
B2(163,162) = intval('1')/(intval('651')*sqrt(intval('423797')));
B2(162,163) = intval('1')/(intval('651')*sqrt(intval('423797')));
B2(163,163) = intval('-2')/(intval('426405'));
B2(164,163) = intval('1')/(intval('1965')*sqrt(intval('47669')));
B2(163,164) = intval('1')/(intval('1965')*sqrt(intval('47669')));
B2(164,164) = intval('-2')/(intval('431645'));
B2(165,164) = intval('1')/(intval('1977')*sqrt(intval('48253')));
B2(164,165) = intval('1')/(intval('1977')*sqrt(intval('48253')));
B2(165,165) = intval('-2')/(intval('436917'));
B2(166,165) = intval('1')/(intval('663')*sqrt(intval('439565')));
B2(165,166) = intval('1')/(intval('663')*sqrt(intval('439565')));
B2(166,166) = intval('-2')/(intval('442221'));
B2(167,166) = intval('1')/(intval('667')*sqrt(intval('444885')));
B2(166,167) = intval('1')/(intval('667')*sqrt(intval('444885')));
B2(167,167) = intval('-2')/(intval('447557'));
B2(168,167) = intval('1')/(intval('671')*sqrt(intval('450237')));
B2(167,168) = intval('1')/(intval('671')*sqrt(intval('450237')));
B2(168,168) = intval('-2')/(intval('452925'));
B2(169,168) = intval('1')/(intval('675')*sqrt(intval('455621')));
B2(168,169) = intval('1')/(intval('675')*sqrt(intval('455621')));
B2(169,169) = intval('-2')/(intval('458325'));
B2(170,169) = intval('1')/(intval('679')*sqrt(intval('461037')));
B2(169,170) = intval('1')/(intval('679')*sqrt(intval('461037')));
B2(170,170) = intval('-2')/(intval('463757'));
B2(171,170) = intval('1')/(intval('683')*sqrt(intval('466485')));
B2(170,171) = intval('1')/(intval('683')*sqrt(intval('466485')));
B2(171,171) = intval('-2')/(intval('469221'));
B2(172,171) = intval('1')/(intval('687')*sqrt(intval('471965')));
B2(171,172) = intval('1')/(intval('687')*sqrt(intval('471965')));
B2(172,172) = intval('-2')/(intval('474717'));
B2(173,172) = intval('1')/(intval('2073')*sqrt(intval('53053')));
B2(172,173) = intval('1')/(intval('2073')*sqrt(intval('53053')));
B2(173,173) = intval('-2')/(intval('480245'));
B2(174,173) = intval('1')/(intval('2085')*sqrt(intval('53669')));
B2(173,174) = intval('1')/(intval('2085')*sqrt(intval('53669')));
B2(174,174) = intval('-2')/(intval('485805'));
B2(175,174) = intval('1')/(intval('699')*sqrt(intval('488597')));
B2(174,175) = intval('1')/(intval('699')*sqrt(intval('488597')));
B2(175,175) = intval('-2')/(intval('491397'));
B2(176,175) = intval('1')/(intval('703')*sqrt(intval('494205')));
B2(175,176) = intval('1')/(intval('703')*sqrt(intval('494205')));
B2(176,176) = intval('-2')/(intval('497021'));
B2(177,176) = intval('1')/(intval('707')*sqrt(intval('499845')));
B2(176,177) = intval('1')/(intval('707')*sqrt(intval('499845')));
B2(177,177) = intval('-2')/(intval('502677'));
B2(178,177) = intval('1')/(intval('711')*sqrt(intval('505517')));
B2(177,178) = intval('1')/(intval('711')*sqrt(intval('505517')));
B2(178,178) = intval('-2')/(intval('508365'));
B2(179,178) = intval('1')/(intval('715')*sqrt(intval('511221')));
B2(178,179) = intval('1')/(intval('715')*sqrt(intval('511221')));
B2(179,179) = intval('-2')/(intval('514085'));
B2(180,179) = intval('1')/(intval('719')*sqrt(intval('516957')));
B2(179,180) = intval('1')/(intval('719')*sqrt(intval('516957')));
B2(180,180) = intval('-2')/(intval('519837'));
B2(181,180) = intval('1')/(intval('3615')*sqrt(intval('20909')));
B2(180,181) = intval('1')/(intval('3615')*sqrt(intval('20909')));
B2(181,181) = intval('-2')/(intval('525621'));
B2(182,181) = intval('1')/(intval('98145')*sqrt(intval('29')));
B2(181,182) = intval('1')/(intval('98145')*sqrt(intval('29')));
B2(182,182) = intval('-2')/(intval('531437'));
B2(183,182) = intval('1')/(intval('19737')*sqrt(intval('733')));
B2(182,183) = intval('1')/(intval('19737')*sqrt(intval('733')));
B2(183,183) = intval('-2')/(intval('537285'));
B2(184,183) = intval('1')/(intval('735')*sqrt(intval('540221')));
B2(183,184) = intval('1')/(intval('735')*sqrt(intval('540221')));
B2(184,184) = intval('-2')/(intval('543165'));
B2(185,184) = intval('1')/(intval('739')*sqrt(intval('546117')));
B2(184,185) = intval('1')/(intval('739')*sqrt(intval('546117')));
B2(185,185) = intval('-2')/(intval('549077'));
B2(186,185) = intval('1')/(intval('743')*sqrt(intval('552045')));
B2(185,186) = intval('1')/(intval('743')*sqrt(intval('552045')));
B2(186,186) = intval('-2')/(intval('555021'));
B2(187,186) = intval('1')/(intval('747')*sqrt(intval('558005')));
B2(186,187) = intval('1')/(intval('747')*sqrt(intval('558005')));
B2(187,187) = intval('-2')/(intval('560997'));
B2(188,187) = intval('1')/(intval('751')*sqrt(intval('563997')));
B2(187,188) = intval('1')/(intval('751')*sqrt(intval('563997')));
B2(188,188) = intval('-2')/(intval('567005'));
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B2(189,188) = intval('1')/(intval('755')*sqrt(intval('570021')));
B2(188,189) = intval('1')/(intval('755')*sqrt(intval('570021')));
B2(189,189) = intval('-2')/(intval('573045'));
B2(190,189) = intval('1')/(intval('759')*sqrt(intval('576077')));
B2(189,190) = intval('1')/(intval('759')*sqrt(intval('576077')));
B2(190,190) = intval('-2')/(intval('579117'));
B2(191,190) = intval('1')/(intval('2289')*sqrt(intval('64685')));
B2(190,191) = intval('1')/(intval('2289')*sqrt(intval('64685')));
B2(191,191) = intval('-2')/(intval('585221'));
B2(192,191) = intval('1')/(intval('2301')*sqrt(intval('65365')));
B2(191,192) = intval('1')/(intval('2301')*sqrt(intval('65365')));
B2(192,192) = intval('-2')/(intval('591357'));
B2(193,192) = intval('1')/(intval('771')*sqrt(intval('594437')));
B2(192,193) = intval('1')/(intval('771')*sqrt(intval('594437')));
B2(193,193) = intval('-2')/(intval('597525'));
B2(194,193) = intval('1')/(intval('775')*sqrt(intval('600621')));
B2(193,194) = intval('1')/(intval('775')*sqrt(intval('600621')));
B2(194,194) = intval('-2')/(intval('603725'));
B2(195,194) = intval('1')/(intval('779')*sqrt(intval('606837')));
B2(194,195) = intval('1')/(intval('779')*sqrt(intval('606837')));
B2(195,195) = intval('-2')/(intval('609957'));
B2(196,195) = intval('1')/(intval('783')*sqrt(intval('613085')));
B2(195,196) = intval('1')/(intval('783')*sqrt(intval('613085')));
B2(196,196) = intval('-2')/(intval('616221'));
B2(197,196) = intval('1')/(intval('787')*sqrt(intval('619365')));
B2(196,197) = intval('1')/(intval('787')*sqrt(intval('619365')));
B2(197,197) = intval('-2')/(intval('622517'));
B2(198,197) = intval('1')/(intval('791')*sqrt(intval('625677')));
B2(197,198) = intval('1')/(intval('791')*sqrt(intval('625677')));
B2(198,198) = intval('-2')/(intval('628845'));
B2(199,198) = intval('1')/(intval('795')*sqrt(intval('632021')));
B2(198,199) = intval('1')/(intval('795')*sqrt(intval('632021')));
B2(199,199) = intval('-2')/(intval('635205'));
B2(200,199) = intval('1')/(intval('2397')*sqrt(intval('70933')));
B2(199,200) = intval('1')/(intval('2397')*sqrt(intval('70933')));
B2(200,200) = intval('-2')/(intval('641597'));
```

"function generate_B3.m"

```matlab
function B3 = generate_B3
B3 = intval(zeros(200,200));
B3(2,1) = intval('1')/(intval('99')*sqrt(intval('5')));
B3(3,1) = intval('4')/(intval('231')*sqrt(intval('65')));
B3(1,2) = intval('-1')/(intval('33')*sqrt(intval('5')));
B3(2,2) = intval('-4')/(intval('715'));
B3(3,2) = intval('1')/(intval('231')*sqrt(intval('13')));
B3(4,2) = intval('2')/(intval('429')*sqrt(intval('17')));
B3(1,3) = intval('2')*sqrt(intval('5'))/(intval('231')*sqrt(intval('13')));
B3(2,3) = intval('-29')/(intval('3465')*sqrt(intval('13')));
B3(3,3) = intval('-8')/(intval('2805'));
B3(4,3) = intval('23')/(intval('3135')*sqrt(intval('221')));
B3(5,3) = intval('8')*sqrt(intval('7'))/(intval('4845')*sqrt(intval('39')));
B3(2,4) = intval('56')/(intval('6435')*sqrt(intval('17')));
B3(3,4) = intval('-37')/(intval('3135')*sqrt(intval('221')));
B3(4,4) = intval('-44')/(intval('25935'));
B3(5,4) = intval('31')/(intval('6555')*sqrt(intval('357')));
B3(6,4) = intval('6')/(intval('3059')*sqrt(intval('17')));
B3(3,5) = intval('2')*sqrt(intval('3'))/(intval('323')*sqrt(intval('91')));
B3(4,5) = -sqrt(intval('3'))/(intval('437')*sqrt(intval('119')));
B3(5,5) = intval('-208')/(intval('185725'));
B3(6,5) = intval('13')/(intval('19665')*sqrt(intval('21')));
B3(7,5) = intval('44')/(intval('5175')*sqrt(intval('609')));
B3(4,6) = intval('44')/(intval('15295')*sqrt(intval('17')));
B3(5,6) = intval('-53')/(intval('58995')*sqrt(intval('21')));
B3(6,6) = intval('-100')/(intval('126063'));
B3(7,6) = intval('47')/(intval('96255')*sqrt(intval('29')));
B3(8,6) = intval('182')/(intval('121365')*sqrt(intval('33')));
B3(5,7) = intval('26')*sqrt(intval('7'))/(intval('15525')*sqrt(intval('87')));
B3(6,7) = intval('-61')/(intval('96255')*sqrt(intval('29')));
B3(7,7) = intval('-136')/(intval('230175'));
B3(8,7) = sqrt(intval('11'))/(intval('5859')*sqrt(intval('87')));
B3(9,7) = intval('16')/(intval('2387')*sqrt(intval('1073')));
B3(6,8) = intval('16')/(intval('8091')*sqrt(intval('33')));
B3(7,8) = intval('-23')/(intval('9765')*sqrt(intval('957')));
B3(8,8) = intval('-76')/(intval('166315'));
B3(9,8) = sqrt(intval('3'))/(intval('2015')*sqrt(intval('407')));
B3(10,8) = intval('34')*sqrt(intval('3'))/(intval('16835')*sqrt(intval('451')));
B3(7,9) = intval('102')/(intval('11935')*sqrt(intval('1073')));
B3(8,9) = -sqrt(intval('11'))/(intval('6045')*sqrt(intval('111')));
B3(9,9) = intval('-32')/(intval('87945'));
B3(10,9) = intval('71')/(intval('58695')*sqrt(intval('1517')));
B3(11,9) = intval('76')*sqrt(intval('5'))/(intval('206271')*sqrt(intval('37')));
B3(8,10) = intval('76')/(intval('10101')*sqrt(intval('1353')));
B3(9,10) = intval('-17')/(intval('11739')*sqrt(intval('1517')));
B3(10,10) = intval('-92')/(intval('310245'));
B3(11,10) = intval('79')/(intval('236457')*sqrt(intval('205')));
B3(12,10) = intval('22')/(intval('30315')*sqrt(intval('41')));
B3(9,11) = intval('154')/(intval('68757')*sqrt(intval('185')));
B3(10,11) = intval('-31')/(intval('78819')*sqrt(intval('205')));
B3(11,11) = intval('-1000')/(intval('4060189'));
B3(12,11) = intval('29')/(intval('721497')*sqrt(intval('5')));
B3(13,11) = intval('184')/(intval('117453')*sqrt(intval('265')));
B3(10,12) = intval('184')/(intval('212205')*sqrt(intval('41')));
B3(11,12) = intval('-101')/(intval('2164491')*sqrt(intval('5')));
B3(12,12) = intval('-44')/(intval('211735'));
B3(13,12) = intval('19')/(intval('184569')*sqrt(intval('53')));
B3(14,12) = intval('130')/(intval('208131')*sqrt(intval('57')));
B3(11,13) = intval('130')*sqrt(intval('5'))/(intval('352359')*sqrt(intval('53')));
B3(12,13) = intval('-109')/(intval('922845')*sqrt(intval('53')));
B3(13,13) = intval('-464')/(intval('2611455'));
B3(14,13) = intval('103')/(intval('165495')*sqrt(intval('3021')));
B3(15,13) = intval('252')/(intval('61655')*sqrt(intval('3233')));
B3(12,14) = intval('12')*sqrt(intval('3'))/(intval('49555')*sqrt(intval('19')));
B3(13,14) = intval('-13')*sqrt(intval('3'))/(intval('55165')*sqrt(intval('1007')));
B3(14,14) = intval('-1612')/(intval('10491085'));
B3(15,14) = intval('37')/(intval('68145')*sqrt(intval('3477')));
B3(16,14) = intval('58')*sqrt(intval('5'))/(intval('75579')*sqrt(intval('741')));
B3(13,15) = intval('58')/(intval('12331')*sqrt(intval('3233')));
B3(14,15) = intval('-25')/(intval('40887')*sqrt(intval('3477')));
B3(15,15) = intval('-88')/(intval('655785'));
B3(16,15) = intval('17')/(intval('35577')*sqrt(intval('3965')));
B3(17,15) = intval('992')/(intval('274365')*sqrt(intval('4209')));
B3(14,16) = intval('992')/(intval('226737')*sqrt(intval('3705')));
B3(15,16) = intval('-19')/(intval('35577')*sqrt(intval('3965')));
B3(16,16) = intval('-100')/(intval('846009'));
B3(17,16) = intval('127')/(intval('299691')*sqrt(intval('4485')));
B3(18,16) = intval('374')/(intval('109411')*sqrt(intval('4745')));
B3(15,17) = intval('374')/(intval('91455')*sqrt(intval('4209')));
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B3(16,17) = intval('-47')/(intval('99897')*sqrt(intval('4485')));
B3(17,17) = intval('-2368')/(intval('22571965'));
B3(18,17) = intval('3')*sqrt(intval('3'))/(intval('23785')*sqrt(intval('1679')));
B3(19,17) = intval('4')*sqrt(intval('21'))/(intval('25915')*sqrt(intval('253')));
B3(16,18) = intval('84')*sqrt(intval('5'))/(intval('109411')*sqrt(intval('949')));
B3(17,18) = intval('-149')/(intval('356775')*sqrt(intval('5037')));
B3(18,18) = intval('-884')/(intval('9430575'));
B3(19,18) = intval('13')*sqrt(intval('11'))/(intval('420675')*sqrt(intval('511')));
B3(20,18) = intval('1406')/(intval('4106025')*sqrt(intval('73')));
B3(17,19) = intval('1406')/(intval('388725')*sqrt(intval('5313')));
B3(18,19) = intval('-157')/(intval('420675')*sqrt(intval('5621')));
B3(19,19) = intval('-328')/(intval('3892725'));
B3(20,19) = intval('151')/(intval('4425975')*sqrt(intval('77')));
B3(21,19) = intval('104')*sqrt(intval('5'))/(intval('177039')*sqrt(intval('1309')));
B3(18,20) = intval('104')/(intval('273735')*sqrt(intval('73')));
B3(19,20) = -sqrt(intval('11'))/(intval('295065')*sqrt(intval('7')));
B3(20,20) = intval('-3268')/(intval('42915565'));
B3(21,20) = intval('53')/(intval('1711377')*sqrt(intval('85')));
B3(22,20) = intval('574')/(intval('1841355')*sqrt(intval('89')));
B3(19,21) = intval('82')*sqrt(intval('7'))/(intval('177039')*sqrt(intval('935')));
B3(20,21) = intval('-173')/(intval('5134131')*sqrt(intval('85')));
B3(21,21) = intval('-400')/(intval('5784021'));
B3(22,21) = intval('167')/(intval('657111')*sqrt(intval('7565')));
B3(23,21) = intval('1892')/(intval('704613')*sqrt(intval('7905')));
B3(20,22) = intval('1892')/(intval('5524065')*sqrt(intval('89')));
B3(21,22) = intval('-181')/(intval('657111')*sqrt(intval('7565')));
B3(22,22) = intval('-188')/(intval('2980185'));
B3(23,22) = intval('5')/(intval('21489')*sqrt(intval('8277')));
B3(24,22) = intval('138')/(intval('53599')*sqrt(intval('8633')));
B3(21,23) = intval('46')*sqrt(intval('15'))/(intval('234871')*sqrt(intval('527')));
B3(22,23) = intval('-3')*sqrt(intval('3'))/(intval('35815')*sqrt(intval('2759')));
B3(23,23) = intval('-616')/(intval('10661755'));
B3(24,23) = intval('61')/(intval('285285')*sqrt(intval('9021')));
B3(25,23) = intval('752')/(intval('304095')*sqrt(intval('9393')));
B3(22,24) = intval('752')/(intval('267995')*sqrt(intval('8633')));
B3(23,24) = intval('-197')/(intval('855855')*sqrt(intval('9021')));
B3(24,24) = intval('-1564')/(intval('29447055'));
B3(25,24) = intval('191')/(intval('968715')*sqrt(intval('9797')));
B3(26,24) = intval('70')*sqrt(intval('35'))/(intval('1029897')*sqrt(intval('291')));
B3(23,25) = intval('490')/(intval('182457')*sqrt(intval('9393')));
B3(24,25) = intval('-41')/(intval('193743')*sqrt(intval('9797')));
B3(25,25) = intval('-1696')/(intval('34618815'));
B3(26,25) = intval('199')/(intval('1091079')*sqrt(intval('10605')));
B3(27,25) = intval('884')/(intval('385735')*sqrt(intval('11009')));
B3(24,26) = intval('884')/(intval('343299')*sqrt(intval('10185')));
B3(25,26) = intval('-71')/(intval('363693')*sqrt(intval('10605')));
B3(26,26) = intval('-5500')/(intval('121330189'));
B3(27,26) = intval('23')*sqrt(intval('3'))/(intval('407777')*sqrt(intval('3815')));
B3(28,26) = intval('318')*sqrt(intval('3'))/(intval('431531')*sqrt(intval('3955')));
B3(25,27) = intval('954')/(intval('385735')*sqrt(intval('11009')));
B3(26,27) = intval('-221')/(intval('1223331')*sqrt(intval('11445')));
B3(27,27) = intval('-1976')/(intval('46973535'));
B3(28,27) = intval('43')/(intval('273171')*sqrt(intval('12317')));
B3(29,27) = intval('616')/(intval('865467')*sqrt(intval('1417')));
B3(26,28) = intval('88')*sqrt(intval('35'))/(intval('1294593')*sqrt(intval('339')));
B3(27,28) = intval('-229')/(intval('1365855')*sqrt(intval('12317')));
B3(28,28) = intval('-236')/(intval('6029335'));
B3(29,28) = intval('223')/(intval('4557105')*sqrt(intval('1469')));
B3(30,28) = intval('1102')/(intval('5870865')*sqrt(intval('113')));
B3(27,29) = intval('1102')/(intval('1442445')*sqrt(intval('1417')));
B3(28,29) = intval('-79')/(intval('1519035')*sqrt(intval('1469')));
B3(29,29) = intval('-976')/(intval('26730715'));
B3(30,29) = intval('1')/(intval('240465')*sqrt(intval('13')));
B3(31,29) = intval('236')/(intval('1771077')*sqrt(intval('65')));
B3(28,30) = intval('236')/(intval('1174173')*sqrt(intval('113')));
B3(29,30) = intval('-7')/(intval('1587069')*sqrt(intval('13')));
B3(30,30) = intval('-116')/(intval('3397875'));
B3(31,30) = intval('239')/(intval('102239445')*sqrt(intval('5')));
B3(32,30) = intval('3782')/(intval('21478875')*sqrt(intval('129')));
B3(29,31) = intval('3782')/(intval('26566155')*sqrt(intval('65')));
B3(30,31) = intval('-23')/(intval('9294495')*sqrt(intval('5')));
B3(31,31) = intval('-2600')/(intval('81276063'));
B3(32,31) = intval('247')/(intval('10231755')*sqrt(intval('645')));
B3(33,31) = intval('192')*sqrt(intval('7'))/(intval('3576955')*sqrt(intval('95')));
B3(30,32) = intval('448')*sqrt(intval('3'))/(intval('7159625')*sqrt(intval('43')));
B3(31,32) = intval('-29')*sqrt(intval('3'))/(intval('3410585')*sqrt(intval('215')));
B3(32,32) = intval('-8308')/(intval('276590125'));
B3(33,32) = intval('17')/(intval('149733')*sqrt(intval('17157')));
B3(34,32) = intval('286')/(intval('156807')*sqrt(intval('17673')));
B3(31,33) = intval('286')/(intval('715391')*sqrt(intval('665')));
B3(32,33) = intval('-269')/(intval('2245995')*sqrt(intval('17157')));
B3(33,33) = intval('-2944')/(intval('104182335'));
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B3(34,33) = intval('263')/(intval('2458215')*sqrt(intval('18221')));
B3(35,33) = intval('4556')/(intval('2570805')*sqrt(intval('18753')));
B3(32,34) = intval('4556')/(intval('2352105')*sqrt(intval('17673')));
B3(33,34) = intval('-277')/(intval('2458215')*sqrt(intval('18221')));
B3(34,34) = intval('-3124')/(intval('117300015'));
B3(35,34) = intval('271')/(intval('2683395')*sqrt(intval('19317')));
B3(36,34) = intval('322')*sqrt(intval('5'))/(intval('934219')*sqrt(intval('3973')));
B3(33,35) = intval('46')*sqrt(intval('7'))/(intval('171387')*sqrt(intval('2679')));
B3(34,35) = intval('-19')/(intval('178893')*sqrt(intval('19317')));
B3(35,35) = intval('-9928')/(intval('394856605'));
B3(36,35) = intval('31')*sqrt(intval('3'))/(intval('973973')*sqrt(intval('6815')));
B3(37,35) = intval('568')*sqrt(intval('3'))/(intval('1016015')*sqrt(intval('7003')));
B3(34,36) = intval('1704')/(intval('934219')*sqrt(intval('19865')));
B3(35,36) = intval('-293')/(intval('2921919')*sqrt(intval('20445')));
B3(36,36) = intval('-500')/(intval('21030009'));
B3(37,36) = intval('41')/(intval('453453')*sqrt(intval('21605')));
B3(38,36) = intval('5402')/(intval('9922059')*sqrt(intval('2465')));
B3(35,37) = intval('5402')/(intval('3048045')*sqrt(intval('21009')));
B3(36,37) = intval('-43')/(intval('453453')*sqrt(intval('21605')));
B3(37,37) = intval('-176')/(intval('7816515'));
B3(38,37) = intval('59')/(intval('2064321')*sqrt(intval('2533')));
B3(39,37) = intval('380')/(intval('238731')*sqrt(intval('23393')));
B3(36,38) = intval('380')*sqrt(intval('5'))/(intval('3307353')*sqrt(intval('493')));
B3(37,38) = intval('-103')/(intval('3440535')*sqrt(intval('2533')));
B3(38,38) = intval('-11692')/(intval('547513165'));
B3(39,38) = intval('101')/(intval('3721395')*sqrt(intval('2669')));
B3(40,38) = intval('286')*sqrt(intval('7'))/(intval('3869265')*sqrt(intval('391')));
B3(37,39) = intval('2002')/(intval('1193655')*sqrt(intval('23393')));
B3(38,39) = intval('-317')/(intval('11164185')*sqrt(intval('2669')));
B3(39,39) = intval('-456')/(intval('22484455'));
B3(40,39) = intval('311')/(intval('4017135')*sqrt(intval('25277')));
B3(41,39) = intval('1264')*sqrt(intval('5'))/(intval('4172637')*sqrt(intval('5181')));
B3(38,40) = intval('1264')/(intval('2321559')*sqrt(intval('2737')));
B3(39,40) = intval('-65')/(intval('803427')*sqrt(intval('25277')));
B3(40,40) = intval('-4316')/(intval('223793295'));
B3(41,40) = intval('29')*sqrt(intval('11'))/(intval('4328139')*sqrt(intval('2415')));
B3(42,40) = intval('2214')/(intval('19463015')*sqrt(intval('161')));
B3(39,41) = intval('738')*sqrt(intval('3'))/(intval('1390879')*sqrt(intval('8635')));
B3(40,41) = intval('-37')*sqrt(intval('3'))/(intval('1442713')*sqrt(intval('8855')));
B3(41,41) = intval('-13600')/(intval('740656189'));
B3(42,41) = intval('109')/(intval('20170761')*sqrt(intval('165')));
B3(43,41) = intval('2324')/(intval('1608711')*sqrt(intval('28545')));
B3(40,42) = intval('332')*sqrt(intval('7'))/(intval('19463015')*sqrt(intval('23')));
B3(41,42) = intval('-31')*sqrt(intval('11'))/(intval('60512283')*sqrt(intval('15')));
B3(42,42) = intval('-4756')/(intval('271719855'));
B3(43,42) = intval('67')/(intval('12993435')*sqrt(intval('173')));
B3(44,42) = intval('1462')/(intval('13460265')*sqrt(intval('177')));
B3(41,43) = intval('1462')*sqrt(intval('5'))/(intval('4826133')*sqrt(intval('5709')));
B3(42,43) = intval('-349')/(intval('64967175')*sqrt(intval('173')));
B3(43,43) = intval('-712')/(intval('42626025'));
B3(44,43) = intval('49')/(intval('765225')*sqrt(intval('30621')));
B3(45,43) = intval('2552')/(intval('1848175')*sqrt(intval('31313')));
B3(42,44) = intval('2552')/(intval('22433775')*sqrt(intval('177')));
B3(43,44) = intval('-17')/(intval('255075')*sqrt(intval('30621')));
B3(44,44) = intval('-2236')/(intval('140125675'));
B3(45,44) = intval('39')*sqrt(intval('3'))/(intval('1910825')*sqrt(intval('10679')));
B3(46,44) = intval('178')*sqrt(intval('15'))/(intval('1976339')*sqrt(intval('2183')));
B3(43,45) = intval('534')/(intval('369635')*sqrt(intval('31313')));
B3(44,45) = intval('-73')/(intval('1146495')*sqrt(intval('32037')));
B3(45,45) = intval('-5456')/(intval('357542655'));
B3(46,45) = intval('359')/(intval('6125559')*sqrt(intval('33485')));
B3(47,45) = intval('1196')*sqrt(intval('7'))/(intval('18992655')*sqrt(intval('543')));
B3(44,46) = intval('8372')/(intval('5929017')*sqrt(intval('32745')));
B3(45,46) = intval('-373')/(intval('6125559')*sqrt(intval('33485')));
B3(46,46) = intval('-1900')/(intval('130074021'));
B3(47,46) = intval('367')/(intval('19608633')*sqrt(intval('3885')));
B3(48,46) = intval('2914')/(intval('2250171')*sqrt(intval('35705')));
B3(45,47) = intval('2914')/(intval('6330885')*sqrt(intval('3801')));
B3(46,47) = intval('-127')/(intval('6536211')*sqrt(intval('3885')));
B3(47,47) = intval('-17848')/(intval('1275275485'));
B3(48,47) = intval('25')/(intval('1392963')*sqrt(intval('4053')));
B3(49,47) = intval('608')/(intval('1437657')*sqrt(intval('4137')));
B3(46,48) = intval('608')*sqrt(intval('5'))/(intval('2250171')*sqrt(intval('7141')));
B3(47,48) = intval('-389')/(intval('20894445')*sqrt(intval('4053')));
B3(48,48) = intval('-2068')/(intval('154082565'));
B3(49,48) = intval('383')/(intval('7411755')*sqrt(intval('38021')));
B3(50,48) = intval('9506')/(intval('7644585')*sqrt(intval('38793')));
B3(47,49) = intval('1358')*sqrt(intval('7'))/(intval('21564855')*sqrt(intval('591')));
B3(48,49) = intval('-397')/(intval('7411755')*sqrt(intval('38021')));
B3(49,49) = intval('-6464')/(intval('501787455'));
B3(50,49) = intval('391')/(intval('7877415')*sqrt(intval('39597')));
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B3(51,49) = intval('660')*sqrt(intval('5'))/(intval('2706599')*sqrt(intval('8077')));
B3(48,50) = intval('220')*sqrt(intval('3'))/(intval('509639')*sqrt(intval('12931')));
B3(49,50) = intval('-9')*sqrt(intval('3'))/(intval('525161')*sqrt(intval('13199')));
B3(50,50) = intval('-2884')/(intval('233061835'));
B3(51,50) = intval('19')/(intval('398199')*sqrt(intval('41205')));
B3(52,50) = intval('3434')/(intval('2871435')*sqrt(intval('42009')));
B3(49,51) = intval('3434')/(intval('2706599')*sqrt(intval('40385')));
B3(50,51) = intval('-59')/(intval('1194597')*sqrt(intval('41205')));
B3(51,51) = intval('-1000')/(intval('84060009'));
B3(52,51) = intval('37')*sqrt(intval('11'))/(intval('8866431')*sqrt(intval('3895')));
B3(53,51) = intval('10712')/(intval('9128493')*sqrt(intval('43665')));
B3(50,52) = intval('10712')/(intval('8614305')*sqrt(intval('42009')));
B3(51,52) = intval('-421')/(intval('8866431')*sqrt(intval('42845')));
B3(52,52) = intval('-7276')/(intval('635718735'));
B3(53,52) = intval('83')/(intval('1878111')*sqrt(intval('44517')));
B3(54,52) = intval('106')*sqrt(intval('7'))/(intval('644183')*sqrt(intval('6479')));
B3(51,53) = intval('742')*sqrt(intval('5'))/(intval('3042831')*sqrt(intval('8733')));
B3(52,53) = intval('-13')*sqrt(intval('11'))/(intval('3130185')*sqrt(intval('4047')));
B3(53,53) = intval('-22672')/(intval('2057438845'));
B3(54,53) = intval('47')*sqrt(intval('3'))/(intval('3311645')*sqrt(intval('15407')));
B3(55,53) = intval('1284')*sqrt(intval('3'))/(intval('3405815')*sqrt(intval('15691')));
B3(52,54) = intval('3852')/(intval('3220915')*sqrt(intval('45353')));
B3(53,54) = intval('-437')/(intval('9934935')*sqrt(intval('46221')));
B3(54,54) = intval('-7844')/(intval('738810735'));
B3(55,54) = intval('431')/(intval('10499955')*sqrt(intval('47957')));
B3(56,54) = intval('2398')/(intval('32378931')*sqrt(intval('217')));
B3(53,55) = intval('2398')/(intval('2043489')*sqrt(intval('47073')));
B3(54,55) = intval('-89')/(intval('2099991')*sqrt(intval('47957')));
B3(55,55) = intval('-904')/(intval('88313575'));
B3(56,55) = intval('439')/(intval('166289985')*sqrt(intval('221')));
B3(57,55) = intval('4144')/(intval('3796575')*sqrt(intval('50609')));
B3(54,56) = intval('592')*sqrt(intval('7'))/(intval('53964885')*sqrt(intval('31')));
B3(55,56) = intval('-151')/(intval('55429995')*sqrt(intval('221')));
B3(56,56) = intval('-25300')/(intval('2561878189'));
B3(57,56) = intval('149')/(intval('58467255')*sqrt(intval('229')));
B3(58,56) = intval('4294')/(intval('60040365')*sqrt(intval('233')));
B3(55,57) = intval('4294')/(intval('3796575')*sqrt(intval('50609')));
B3(56,57) = intval('-461')/(intval('175401765')*sqrt(intval('229')));
B3(57,57) = intval('-416')/(intval('43635075'));
B3(58,57) = intval('13')/(intval('352077')*sqrt(intval('53357')));
B3(59,57) = intval('2668')/(intval('2529681')*sqrt(intval('54273')));
B3(56,58) = intval('2668')/(intval('36024219')*sqrt(intval('233')));
B3(57,58) = intval('-67')/(intval('1760385')*sqrt(intval('53357')));
B3(58,58) = intval('-1292')/(intval('140295705'));
B3(59,58) = intval('463')/(intval('12974115')*sqrt(intval('55221')));
B3(60,58) = intval('4602')/(intval('4437035')*sqrt(intval('56153')));
B3(57,59) = intval('1534')*sqrt(intval('3'))/(intval('4216135')*sqrt(intval('18091')));
B3(58,59) = intval('-53')*sqrt(intval('3'))/(intval('4324705')*sqrt(intval('18407')));
B3(59,59) = intval('-28072')/(intval('3153833245'));
B3(60,59) = intval('157')/(intval('4549365')*sqrt(intval('57117')));
B3(61,59) = intval('136')*sqrt(intval('5'))/(intval('4665519')*sqrt(intval('237')));
B3(58,60) = intval('952')/(intval('887407')*sqrt(intval('56153')));
B3(59,60) = intval('-97')/(intval('2729619')*sqrt(intval('57117')));
B3(60,60) = intval('-9676')/(intval('1124080335'));
B3(61,60) = intval('479')/(intval('100415133')*sqrt(intval('1205')));
B3(62,60) = intval('14762')/(intval('14705145')*sqrt(intval('60009')));
B3(59,61) = intval('14762')/(intval('97975899')*sqrt(intval('1185')));
B3(60,61) = intval('-493')/(intval('100415133')*sqrt(intval('1205')));
B3(61,61) = intval('-10000')/(intval('1200600063'));
B3(62,61) = intval('487')/(intval('105456897')*sqrt(intval('1245')));
B3(63,61) = intval('5084')/(intval('36020257')*sqrt(intval('1265')));
B3(60,62) = intval('5084')/(intval('4901715')*sqrt(intval('60009')));
B3(61,62) = intval('-167')/(intval('35152299')*sqrt(intval('1245')));
B3(62,62) = intval('-30988')/(intval('3842884045'));
B3(63,62) = sqrt(intval('33'))/(intval('1053949')*sqrt(intval('1909')));
B3(64,62) = intval('350')*sqrt(intval('3'))/(intval('1079551')*sqrt(intval('21331')));
B3(61,63) = intval('150')*sqrt(intval('5'))/(intval('5145751')*sqrt(intval('253')));
B3(62,63) = intval('-509')/(intval('15809235')*sqrt(intval('62997')));
B3(63,63) = intval('-10664')/(intval('1365290655'));
B3(64,63) = intval('503')/(intval('16577295')*sqrt(intval('65021')));
B3(65,63) = intval('16256')/(intval('50920695')*sqrt(intval('7337')));
B3(62,64) = intval('16256')/(intval('16193265')*sqrt(intval('63993')));
B3(63,64) = intval('-47')*sqrt(intval('11'))/(intval('16577295')*sqrt(intval('5911')));
B3(64,64) = intval('-524')/(intval('69224595'));
B3(65,64) = intval('73')/(intval('7444215')*sqrt(intval('7453')));
B3(66,64) = intval('1118')*sqrt(intval('5'))/(intval('5926179')*sqrt(intval('13621')));
B3(63,65) = intval('1118')/(intval('3394713')*sqrt(intval('7337')));
B3(64,65) = intval('-5')/(intval('496281')*sqrt(intval('7453')));
B3(65,65) = intval('-4864')/(intval('662729755'));
B3(66,65) = intval('173')/(intval('18187239')*sqrt(intval('7685')));
B3(67,65) = intval('5764')/(intval('18608565')*sqrt(intval('7801')));
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B3(64,66) = intval('5764')/(intval('5926179')*sqrt(intval('68105')));
B3(65,66) = intval('-533')/(intval('54561717')*sqrt(intval('7685')));
B3(66,66) = intval('-1300')/(intval('182598007'));
B3(67,66) = intval('527')/(intval('19029891')*sqrt(intval('71285')));
B3(68,66) = intval('2546')*sqrt(intval('7'))/(intval('19464033')*sqrt(intval('10335')));
B3(65,67) = intval('17822')/(intval('55825695')*sqrt(intval('7801')));
B3(66,67) = intval('-541')/(intval('19029891')*sqrt(intval('71285')));
B3(67,67) = intval('-12056')/(intval('1744889055'));
B3(68,67) = intval('107')/(intval('3979635')*sqrt(intval('73437')));
B3(69,67) = intval('1224')/(intval('1356355')*sqrt(intval('74513')));
B3(66,68) = intval('408')*sqrt(intval('15'))/(intval('6488011')*sqrt(intval('4823')));
B3(67,68) = intval('-61')*sqrt(intval('3'))/(intval('6632725')*sqrt(intval('24479')));
B3(68,68) = intval('-37252')/(intval('5553081325'));
B3(69,68) = intval('181')/(intval('6930825')*sqrt(intval('75621')));
B3(70,68) = intval('6302')/(intval('7084275')*sqrt(intval('76713')));
B3(67,69) = intval('6302')/(intval('6781775')*sqrt(intval('74513')));
B3(68,69) = intval('-557')/(intval('20792475')*sqrt(intval('75621')));
B3(69,69) = intval('-12784')/(intval('1961934975'));
B3(70,69) = intval('551')/(intval('21713175')*sqrt(intval('77837')));
B3(71,69) = intval('3892')*sqrt(intval('5'))/(intval('22186917')*sqrt(intval('15789')));
B3(68,70) = intval('556')*sqrt(intval('7'))/(intval('4250565')*sqrt(intval('10959')));
B3(69,70) = intval('-113')/(intval('4342635')*sqrt(intval('77837')));
B3(70,70) = intval('-13156')/(intval('2077753455'));
B3(71,70) = intval('559')/(intval('22660659')*sqrt(intval('80085')));
B3(72,70) = intval('6674')/(intval('131171915')*sqrt(intval('281')));
B3(69,71) = intval('6674')/(intval('7395639')*sqrt(intval('78945')));
B3(70,71) = intval('-191')/(intval('7553553')*sqrt(intval('80085')));
B3(71,71) = intval('-5800')/(intval('942268027'));
B3(72,71) = intval('9')*sqrt(intval('3'))/(intval('19133347')*sqrt(intval('95')));
B3(73,71) = intval('2288')*sqrt(intval('3'))/(intval('8045471')*sqrt(intval('27835')));
B3(70,72) = intval('6864')/(intval('131171915')*sqrt(intval('281')));
B3(71,72) = intval('-83')/(intval('57400041')*sqrt(intval('285')));
B3(72,72) = intval('-1988')/(intval('332099385'));
B3(73,72) = intval('115')/(intval('83767551')*sqrt(intval('293')));
B3(74,72) = intval('4234')/(intval('256556367')*sqrt(intval('33')));
B3(71,73) = intval('4234')*sqrt(intval('5'))/(intval('24136413')*sqrt(intval('16701')));
B3(72,73) = intval('-589')/(intval('418837755')*sqrt(intval('293')));
B3(73,73) = intval('-4768')/(intval('818703765'));
B3(74,73) = intval('53')*sqrt(intval('11'))/(intval('77002965')*sqrt(intval('879')));
B3(75,73) = intval('1036')*sqrt(intval('7'))/(intval('8732295')*sqrt(intval('12599')));
B3(72,74) = intval('7252')/(intval('427593945')*sqrt(intval('33')));
B3(73,74) = intval('-199')/(intval('25667655')*sqrt(intval('9669')));
B3(74,74) = intval('-44092')/(intval('7779063565'));
B3(75,74) = intval('197')/(intval('26726115')*sqrt(intval('9933')));
B3(76,74) = intval('1490')*sqrt(intval('5'))/(intval('27269697')*sqrt(intval('2013')));
B3(73,75) = intval('1490')/(intval('1746459')*sqrt(intval('88193')));
B3(74,75) = intval('-11')*sqrt(intval('11'))/(intval('16035669')*sqrt(intval('903')));
B3(75,75) = intval('-5032')/(intval('911858805'));
B3(76,75) = intval('599')/(intval('27813279')*sqrt(intval('91805')));
B3(77,75) = intval('22952')/(intval('28371405')*sqrt(intval('93009')));
B3(74,76) = intval('22952')/(intval('81809091')*sqrt(intval('10065')));
B3(75,76) = intval('-613')/(intval('27813279')*sqrt(intval('91805')));
B3(76,76) = intval('-15500')/(intval('2883930063'));
B3(77,76) = intval('607')/(intval('28929531')*sqrt(intval('94245')));
B3(78,76) = intval('7854')/(intval('9834131')*sqrt(intval('95465')));
B3(75,77) = intval('374')*sqrt(intval('21'))/(intval('9457135')*sqrt(intval('4429')));
B3(76,77) = intval('-69')*sqrt(intval('3'))/(intval('9643177')*sqrt(intval('31415')));
B3(77,77) = intval('-47728')/(intval('9114711805'));
B3(78,77) = intval('41')/(intval('2005017')*sqrt(intval('96717')));
B3(79,77) = intval('1612')/(intval('2044203')*sqrt(intval('97953')));
B3(76,78) = intval('1612')*sqrt(intval('5'))/(intval('9834131')*sqrt(intval('19093')));
B3(77,78) = intval('-629')/(intval('30075255')*sqrt(intval('96717')));
B3(78,78) = intval('-2332')/(intval('456950745'));
B3(79,78) = intval('89')/(intval('4464405')*sqrt(intval('99221')));
B3(80,78) = intval('24806')/(intval('31853745')*sqrt(intval('100473')));
B3(77,79) = intval('24806')/(intval('30663045')*sqrt(intval('97953')));
B3(78,79) = intval('-91')/(intval('4464405')*sqrt(intval('99221')));
B3(79,79) = intval('-2392')/(intval('480763305'));
B3(80,79) = intval('631')/(intval('32456655')*sqrt(intval('101757')));
B3(81,79) = intval('1696')/(intval('11024959')*sqrt(intval('4121')));
B3(78,80) = intval('1696')/(intval('2123583')*sqrt(intval('100473')));
B3(79,80) = intval('-43')/(intval('2163777')*sqrt(intval('101757')));
B3(80,80) = intval('-51508')/(intval('10615386925'));
B3(81,80) = intval('71')*sqrt(intval('3'))/(intval('56155165')*sqrt(intval('1391')));
B3(82,80) = intval('414')*sqrt(intval('21'))/(intval('11442275')*sqrt(intval('5029')));
B3(79,81) = intval('8694')/(intval('55124795')*sqrt(intval('4121')));
B3(80,81) = intval('-653')/(intval('168465495')*sqrt(intval('4173')));
B3(81,81) = intval('-17600')/(intval('3718176063'));
B3(82,81) = intval('647')/(intval('174802755')*sqrt(intval('4277')));
B3(83,81) = intval('26732')/(intval('534149595')*sqrt(intval('481')));
B3(80,82) = intval('26732')/(intval('34326825')*sqrt(intval('105609')));
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B3(81,82) = intval('-661')/(intval('174802755')*sqrt(intval('4277')));
B3(82,82) = intval('-2004')/(intval('433849975'));
B3(83,82) = intval('131')/(intval('21755637')*sqrt(intval('12173')));
B3(84,82) = intval('1826')/(intval('2461647')*sqrt(intval('110873')));
B3(81,83) = intval('1826')/(intval('35609973')*sqrt(intval('481')));
B3(82,83) = intval('-223')/(intval('36259395')*sqrt(intval('12173')));
B3(83,83) = intval('-55432')/(intval('12294152605'));
B3(84,83) = intval('221')/(intval('37590015')*sqrt(intval('12469')));
B3(85,83) = intval('9352')/(intval('38271405')*sqrt(intval('12617')));
B3(82,84) = intval('1336')*sqrt(intval('7'))/(intval('12308235')*sqrt(intval('15839')));
B3(83,84) = intval('-677')/(intval('112770045')*sqrt(intval('12469')));
B3(84,84) = intval('-6308')/(intval('1432849605'));
B3(85,84) = intval('61')*sqrt(intval('11'))/(intval('38952795')*sqrt(intval('10447')));
B3(86,84) = intval('5746')*sqrt(intval('5'))/(intval('39650457')*sqrt(intval('23253')));
B3(83,85) = intval('5746')/(intval('22962843')*sqrt(intval('12617')));
B3(84,85) = intval('-137')/(intval('7790559')*sqrt(intval('114917')));
B3(85,85) = intval('-2768')/(intval('643759305'));
B3(86,85) = intval('97')/(intval('5764017')*sqrt(intval('117645')));
B3(87,85) = intval('9804')/(intval('13687415')*sqrt(intval('119009')));
B3(84,86) = intval('3268')*sqrt(intval('3'))/(intval('13216819')*sqrt(intval('38755')));
B3(85,86) = -sqrt(intval('33'))/(intval('1921339')*sqrt(intval('3565')));
B3(86,86) = intval('-8500')/(intval('2023510027'));
B3(87,86) = intval('229')/(intval('13925457')*sqrt(intval('120405')));
B3(88,86) = intval('10034')/(intval('14169051')*sqrt(intval('121785')));
B3(85,87) = intval('10034')/(intval('13687415')*sqrt(intval('119009')));
B3(86,87) = intval('-701')/(intval('41776371')*sqrt(intval('120405')));
B3(87,87) = intval('-20296')/(intval('4944349215'));
B3(88,87) = intval('139')/(intval('8647587')*sqrt(intval('123197')));
B3(89,87) = intval('880')*sqrt(intval('7'))/(intval('8797113')*sqrt(intval('17799')));
B3(86,88) = intval('6160')*sqrt(intval('5'))/(intval('42507153')*sqrt(intval('24357')));
B3(87,88) = intval('-709')/(intval('43237935')*sqrt(intval('123197')));
B3(88,88) = intval('-20764')/(intval('5174970255'));
B3(89,88) = intval('703')/(intval('44733195')*sqrt(intval('126021')));
B3(90,88) = intval('10502')/(intval('288153145')*sqrt(intval('353')));
B3(87,89) = intval('10502')/(intval('14661855')*sqrt(intval('124593')));
B3(88,89) = intval('-239')/(intval('14911065')*sqrt(intval('126021')));
B3(89,89) = intval('-63712')/(intval('16240698685'));
B3(90,89) = intval('79')*sqrt(intval('3'))/(intval('292996055')*sqrt(intval('119')));
B3(91,89) = intval('716')*sqrt(intval('15'))/(intval('15681479')*sqrt(intval('8687')));
B3(88,90) = intval('2148')/(intval('57630629')*sqrt(intval('353')));
B3(89,90) = intval('-145')/(intval('175797633')*sqrt(intval('357')));
B3(90,90) = intval('-21716')/(intval('5660318895'));
B3(91,90) = intval('719')/(intval('908700441')*sqrt(intval('365')));
B3(92,90) = intval('32942')/(intval('2771662905')*sqrt(intval('41')));
B3(89,91) = intval('4706')*sqrt(intval('7'))/(intval('47044437')*sqrt(intval('18615')));
B3(90,91) = intval('-733')/(intval('908700441')*sqrt(intval('365')));
B3(91,91) = intval('-7400')/(intval('1971804021'));
B3(92,91) = intval('727')/(intval('148274973')*sqrt(intval('14965')));
B3(93,91) = intval('11224')/(intval('16747311')*sqrt(intval('136145')));
B3(90,92) = intval('11224')/(intval('923887635')*sqrt(intval('41')));
B3(91,92) = intval('-247')/(intval('49424991')*sqrt(intval('14965')));
B3(92,92) = intval('-9724')/(intval('2648156395'));
B3(93,92) = intval('7')/(intval('1458825')*sqrt(intval('15293')));
B3(94,92) = intval('2294')/(intval('10378725')*sqrt(intval('15457')));
B3(91,93) = intval('2294')*sqrt(intval('5'))/(intval('16747311')*sqrt(intval('27229')));
B3(92,93) = intval('-107')/(intval('21882375')*sqrt(intval('15293')));
B3(93,93) = intval('-368')/(intval('102402625'));
B3(94,93) = intval('743')/(intval('52728375')*sqrt(intval('140621')));
B3(95,93) = intval('35156')/(intval('53581125')*sqrt(intval('142113')));
B3(92,94) = intval('35156')/(intval('155680875')*sqrt(intval('15457')));
B3(93,94) = intval('-757')/(intval('52728375')*sqrt(intval('140621')));
B3(94,94) = intval('-23684')/(intval('6732603375'));
B3(95,94) = intval('751')/(intval('54433875')*sqrt(intval('143637')));
B3(96,94) = intval('342')*sqrt(intval('35'))/(intval('18434939')*sqrt(intval('4147')));
B3(93,95) = intval('798')*sqrt(intval('3'))/(intval('3572075')*sqrt(intval('47371')));
B3(94,95) = intval('-17')*sqrt(intval('3'))/(intval('3628925')*sqrt(intval('47879')));
B3(95,95) = intval('-72568')/(intval('21068812765'));
B3(96,95) = intval('23')*sqrt(intval('11'))/(intval('18725253')*sqrt(intval('13335')));
B3(97,95) = intval('12224')/(intval('19021695')*sqrt(intval('148209')));
B3(94,96) = intval('12224')/(intval('18434939')*sqrt(intval('145145')));
B3(95,96) = intval('-773')/(intval('56175759')*sqrt(intval('146685')));
B3(96,96) = intval('-24700')/(intval('7322562063'));
B3(97,96) = intval('767')/(intval('57954411')*sqrt(intval('149765')));
B3(98,96) = intval('37442')/(intval('58862313')*sqrt(intval('151305')));
B3(95,97) = intval('37442')/(intval('57065085')*sqrt(intval('148209')));
B3(96,97) = intval('-71')*sqrt(intval('11'))/(intval('57954411')*sqrt(intval('13615')));
B3(97,97) = intval('-25216')/(intval('7631672895'));
B3(98,97) = intval('155')/(intval('11954043')*sqrt(intval('152877')));
B3(99,97) = intval('2548')/(intval('4046459')*sqrt(intval('154433')));
B3(96,98) = intval('364')*sqrt(intval('35'))/(intval('19620771')*sqrt(intval('4323')));
B3(97,98) = intval('-263')/(intval('19923405')*sqrt(intval('152877')));
B3(98,98) = intval('-77212')/(intval('23851404685'));
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B3(99,98) = intval('87')*sqrt(intval('3'))/(intval('20541185')*sqrt(intval('52007')));
B3(100,98) = intval('4334')*sqrt(intval('3'))/(intval('20856395')*sqrt(intval('52531')));
B3(97,99) = intval('13002')/(intval('20232295')*sqrt(intval('154433')));
B3(98,99) = intval('-797')/(intval('61623555')*sqrt(intval('156021')));
B3(99,99) = intval('-3752')/(intval('1182735465'));
B3(100,99) = intval('113')/(intval('9073545')*sqrt(intval('159197')));
B3(101,99) = intval('7960')*sqrt(intval('5'))/(intval('580316373')*sqrt(intval('397')));
B3(98,100) = intval('7960')/(intval('12513837')*sqrt(intval('157593')));
B3(99,100) = intval('-23')/(intval('1814709')*sqrt(intval('159197')));
B3(100,100) = intval('-1276')/(intval('410376915'));
B3(101,100) = intval('799')/(intval('588999411')*sqrt(intval('2005')));
B3(102,100) = intval('13534')/(intval('22142835')*sqrt(intval('164009')));
B3(99,101) = intval('13534')/(intval('193438791')*sqrt(intval('1985')));
B3(100,101) = intval('-271')/(intval('196333137')*sqrt(intval('2005')));
B3(101,101) = intval('-82000')/(intval('26900920189'));
B3(102,101) = intval('269')/(intval('202237893')*sqrt(intval('2045')));
B3(103,101) = intval('1972')*sqrt(intval('7'))/(intval('205248879')*sqrt(intval('295')));
B3(100,102) = intval('13804')/(intval('22142835')*sqrt(intval('164009')));
B3(101,102) = intval('-821')/(intval('606713679')*sqrt(intval('2045')));
B3(102,102) = intval('-9292')/(intval('3108843045'));
B3(103,102) = intval('163')/(intval('13883991')*sqrt(intval('168917')));
B3(104,102) = intval('8446')/(intval('14088669')*sqrt(intval('170553')));
B3(101,103) = intval('8446')*sqrt(intval('5'))/(intval('615746637')*sqrt(intval('413')));
B3(102,103) = intval('-829')/(intval('69419955')*sqrt(intval('168917')));
B3(103,103) = intval('-28424')/(intval('9696790815'));
B3(104,103) = intval('823')/(intval('71466735')*sqrt(intval('172221')));
B3(105,103) = intval('14352')/(intval('24170015')*sqrt(intval('173873')));
B3(102,104) = intval('4784')*sqrt(intval('3'))/(intval('23481115')*sqrt(intval('56851')));
B3(103,104) = intval('-93')*sqrt(intval('3'))/(intval('23822245')*sqrt(intval('57407')));
B3(104,104) = intval('-86932')/(intval('30233906605'));
B3(105,104) = intval('277')/(intval('24517785')*sqrt(intval('175557')));
B3(106,104) = intval('2926')/(intval('24872259')*sqrt(intval('7089')));
B3(103,105) = intval('418')*sqrt(intval('7'))/(intval('4834003')*sqrt(intval('24839')));
B3(104,105) = intval('-169')/(intval('14710671')*sqrt(intval('175557')));
B3(105,105) = intval('-29536')/(intval('10470275775'));
B3(106,105) = intval('839')/(intval('378400995')*sqrt(intval('7157')));
B3(107,105) = intval('44732')/(intval('76763925')*sqrt(intval('180609')));
B3(104,106) = intval('44732')/(intval('373083885')*sqrt(intval('7089')));
B3(105,106) = intval('-853')/(intval('378400995')*sqrt(intval('7157')));
B3(106,106) = intval('-4300')/(intval('1553418009'));
B3(107,106) = intval('11')*sqrt(intval('11'))/(intval('55605465')*sqrt(intval('663')));
B3(108,106) = intval('15194')/(intval('131586455')*sqrt(intval('7361')));
B3(105,107) = intval('15194')/(intval('25587975')*sqrt(intval('180609')));
B3(106,107) = intval('-41')/(intval('18535155')*sqrt(intval('7293')));
B3(107,107) = intval('-13144')/(intval('4838201275'));
B3(108,107) = intval('19')*sqrt(intval('3'))/(intval('5337073')*sqrt(intval('61919')));
B3(109,107) = intval('1032')*sqrt(intval('3'))/(intval('5412067')*sqrt(intval('62491')));
B3(106,108) = intval('3096')/(intval('26317291')*sqrt(intval('7361')));
B3(107,108) = intval('-79')*sqrt(intval('11'))/(intval('80056095')*sqrt(intval('16887')));
B3(108,108) = intval('-31244')/(intval('11716125135'));
B3(109,108) = intval('863')/(intval('82305915')*sqrt(intval('189221')));
B3(110,108) = intval('6758')/(intval('250355115')*sqrt(intval('433')));
B3(107,109) = intval('47306')/(intval('81181005')*sqrt(intval('187473')));
B3(108,109) = intval('-877')/(intval('82305915')*sqrt(intval('189221')));
B3(109,109) = intval('-3536')/(intval('1350568135'));
B3(110,109) = intval('871')/(intval('1776547395')*sqrt(intval('437')));
B3(111,109) = intval('3212')*sqrt(intval('5'))/(intval('28588119')*sqrt(intval('38893')));
B3(108,110) = intval('3212')/(intval('116832387')*sqrt(intval('433')));
B3(109,110) = intval('-59')/(intval('118436493')*sqrt(intval('437')));
B3(110,110) = intval('-97228')/(intval('37818969805'));
B3(111,110) = intval('293')/(intval('608518533')*sqrt(intval('445')));
B3(112,110) = intval('16354')/(intval('616835415')*sqrt(intval('449')));
B3(109,111) = intval('16354')/(intval('28588119')*sqrt(intval('194465')));
B3(110,111) = intval('-893')/(intval('1825555599')*sqrt(intval('445')));
B3(111,111) = intval('-11000')/(intval('4356660021'));
B3(112,111) = intval('887')/(intval('89307471')*sqrt(intval('199805')));
B3(113,111) = intval('49952')/(intval('90517053')*sqrt(intval('201585')));
B3(110,112) = intval('7136')/(intval('264358035')*sqrt(intval('449')));
B3(111,112) = intval('-901')/(intval('89307471')*sqrt(intval('199805')));
B3(112,112) = intval('-33596')/(intval('13546310415'));
B3(113,112) = intval('179')/(intval('18345327')*sqrt(intval('203397')));
B3(114,112) = intval('3390')/(intval('6197191')*sqrt(intval('205193')));
B3(111,113) = intval('1130')*sqrt(intval('15'))/(intval('30172351')*sqrt(intval('13439')));
B3(112,113) = intval('-101')*sqrt(intval('3'))/(intval('30575545')*sqrt(intval('67799')));
B3(113,113) = intval('-14656')/(intval('6015232795'));
B3(114,113) = intval('43')/(intval('4485195')*sqrt(intval('207021')));
B3(115,113) = intval('17252')/(intval('31814055')*sqrt(intval('208833')));
B3(112,114) = intval('17252')/(intval('30985955')*sqrt(intval('205193')));
B3(113,114) = intval('-131')/(intval('13455585')*sqrt(intval('207021')));
B3(114,114) = intval('-4972')/(intval('2076844185'));
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B3(115,114) = intval('911')/(intval('96695235')*sqrt(intval('210677')));
B3(116,114) = intval('10534')*sqrt(intval('5'))/(intval('97970337')*sqrt(intval('42501')));
B3(113,115) = intval('10534')/(intval('19088433')*sqrt(intval('208833')));
B3(114,115) = intval('-185')/(intval('19339047')*sqrt(intval('210677')));
B3(115,115) = intval('-35416')/(intval('15053641695'));
B3(116,115) = intval('919')/(intval('99245439')*sqrt(intval('214365')));
B3(117,115) = intval('2552')*sqrt(intval('7'))/(intval('33514255')*sqrt(intval('30887')));
B3(114,116) = intval('17864')/(intval('32656779')*sqrt(intval('212505')));
B3(115,116) = intval('-311')/(intval('33081813')*sqrt(intval('214365')));
B3(116,116) = intval('-108100')/(intval('46748926189'));
B3(117,116) = intval('103')*sqrt(intval('3'))/(intval('33946697')*sqrt(intval('72695')));
B3(118,116) = intval('6058')*sqrt(intval('3'))/(intval('34386611')*sqrt(intval('73315')));
B3(115,117) = intval('18174')/(intval('33514255')*sqrt(intval('216209')));
B3(116,117) = intval('-941')/(intval('101840091')*sqrt(intval('218085')));
B3(117,117) = intval('-36656')/(intval('16126147455'));
B3(118,117) = intval('17')*sqrt(intval('11'))/(intval('20895915')*sqrt(intval('20167')));
B3(119,117) = intval('11092')/(intval('63493155')*sqrt(intval('24857')));
B3(116,118) = intval('11092')*sqrt(intval('5'))/(intval('103159833')*sqrt(intval('43989')));
B3(117,118) = intval('-949')/(intval('104479575')*sqrt(intval('221837')));
B3(118,118) = intval('-12428')/(intval('5561132325'));
B3(119,118) = intval('943')/(intval('321492825')*sqrt(intval('25069')));
B3(120,118) = intval('18802')/(intval('36176475')*sqrt(intval('227513')));
B3(117,119) = intval('2686')*sqrt(intval('7'))/(intval('105821925')*sqrt(intval('3551')));
B3(118,119) = intval('-29')*sqrt(intval('11'))/(intval('107164275')*sqrt(intval('2279')));
B3(119,119) = intval('-113752')/(intval('51764895325'));
B3(120,119) = intval('317')/(intval('109894575')*sqrt(intval('25493')));
B3(121,119) = intval('3824')*sqrt(intval('5'))/(intval('111282717')*sqrt(intval('5141')));
B3(118,120) = intval('3824')/(intval('7235295')*sqrt(intval('227513')));
B3(119,120) = intval('-193')/(intval('65936745')*sqrt(intval('25493')));
B3(120,120) = intval('-612')/(intval('283191985'));
B3(121,120) = intval('137')/(intval('16095837')*sqrt(intval('233285')));
B3(122,120) = intval('58322')/(intval('114082185')*sqrt(intval('235209')));
B3(119,121) = intval('58322')/(intval('333848151')*sqrt(intval('25705')));
B3(120,121) = intval('-139')/(intval('16095837')*sqrt(intval('233285')));
B3(121,121) = intval('-5600')/(intval('2634576009'));
B3(122,121) = intval('967')/(intval('115493511')*sqrt(intval('237165')));
B3(123,121) = intval('19764')/(intval('38976071')*sqrt(intval('239105')));
B3(120,122) = intval('6588')*sqrt(intval('3'))/(intval('38027395')*sqrt(intval('78403')));
B3(121,122) = intval('-109')*sqrt(intval('3'))/(intval('38497837')*sqrt(intval('79055')));
B3(122,122) = intval('-119548')/(intval('57174070285'));
B3(123,122) = intval('65')/(intval('7890861')*sqrt(intval('241077')));
B3(124,122) = intval('574')*sqrt(intval('7'))/(intval('7988079')*sqrt(intval('34719')));
B3(121,123) = intval('4018')*sqrt(intval('5'))/(intval('38976071')*sqrt(intval('47821')));
B3(122,123) = intval('-989')/(intval('118362915')*sqrt(intval('241077')));
B3(123,123) = intval('-40504')/(intval('19689318495'));
B3(124,123) = intval('983')/(intval('121279455')*sqrt(intval('245021')));
B3(125,123) = intval('61256')/(intval('122761485')*sqrt(intval('246993')));
B3(122,124) = intval('61256')/(intval('119821185')*sqrt(intval('243033')));
B3(123,124) = intval('-997')/(intval('121279455')*sqrt(intval('245021')));
B3(124,124) = intval('-41164')/(intval('20336168655'));
B3(125,124) = intval('991')/(intval('124243515')*sqrt(intval('248997')));
B3(126,124) = intval('4150')*sqrt(intval('5'))/(intval('41916499')*sqrt(intval('50197')));
B3(123,125) = intval('4150')/(intval('8184099')*sqrt(intval('246993')));
B3(124,125) = intval('-67')/(intval('8282901')*sqrt(intval('248997')));
B3(125,125) = intval('-125488')/(intval('62996482045'));
B3(126,125) = intval('111')*sqrt(intval('3'))/(intval('42418493')*sqrt(intval('84335')));
B3(127,125) = intval('7028')*sqrt(intval('3'))/(intval('42928535')*sqrt(intval('85003')));
B3(124,126) = intval('3012')*sqrt(intval('7'))/(intval('41916499')*sqrt(intval('35855')));
B3(125,126) = intval('-1013')/(intval('127255479')*sqrt(intval('253005')));
B3(126,126) = intval('-42500')/(intval('21677550063'));
B3(127,126) = intval('1007')/(intval('130315731')*sqrt(intval('257045')));
B3(128,126) = intval('64262')/(intval('395610579')*sqrt(intval('28785')));
B3(125,127) = intval('64262')/(intval('128785605')*sqrt(intval('255009')));
B3(126,127) = intval('-1021')/(intval('130315731')*sqrt(intval('257045')));
B3(127,127) = intval('-2056')/(intval('1065361635'));
B3(128,127) = intval('29')/(intval('11436399')*sqrt(intval('29013')));
B3(129,127) = intval('4352')/(intval('9000243')*sqrt(intval('263153')));
B3(126,128) = intval('4352')*sqrt(intval('5'))/(intval('131870193')*sqrt(intval('5757')));
B3(127,128) = intval('-49')/(intval('19060665')*sqrt(intval('29013')));
B3(128,128) = intval('-18796')/(intval('9893237035'));
B3(129,128) = intval('31')*sqrt(intval('11'))/(intval('136582635')*sqrt(intval('2679')));
B3(130,128) = intval('22102')/(intval('138186345')*sqrt(intval('29697')));
B3(127,129) = intval('22102')/(intval('45001215')*sqrt(intval('263153')));
B3(128,129) = intval('-1037')/(intval('409747905')*sqrt(intval('29469')));
B3(129,129) = intval('-14848')/(intval('7937562645'));
B3(130,129) = intval('1031')/(intval('139790055')*sqrt(intval('269357')));
B3(131,129) = intval('1924')*sqrt(intval('7'))/(intval('141418677')*sqrt(intval('1551')));
B3(128,130) = intval('13468')/(intval('82911807')*sqrt(intval('29697')));
B3(129,130) = intval('-19')*sqrt(intval('11'))/(intval('27958011')*sqrt(intval('24487')));
B3(130,130) = intval('-45236')/(intval('24558262575'));
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B3(131,130) = intval('1039')/(intval('715236495')*sqrt(intval('10941')));
B3(132,130) = intval('22794')/(intval('1109374525')*sqrt(intval('521')));
B3(129,131) = intval('7598')*sqrt(intval('3'))/(intval('235697795')*sqrt(intval('3619')));
B3(130,131) = intval('-117')*sqrt(intval('3'))/(intval('238412165')*sqrt(intval('3647')));
B3(131,131) = intval('-137800')/(intval('75963628189'));
B3(132,131) = intval('349')/(intval('5610265455')*sqrt(intval('21')));
B3(133,131) = intval('23144')/(intval('246722955')*sqrt(intval('11193')));
B3(130,132) = intval('23144')/(intval('1109374525')*sqrt(intval('521')));
B3(131,132) = intval('-1061')/(intval('16830796365')*sqrt(intval('21')));
B3(132,132) = intval('-46636')/(intval('26101796175'));
B3(133,132) = intval('211')/(intval('688678857')*sqrt(intval('533')));
B3(134,132) = intval('14098')/(intval('696519603')*sqrt(intval('537')));
B3(131,133) = intval('2014')*sqrt(intval('7'))/(intval('148033773')*sqrt(intval('1599')));
B3(132,133) = intval('-1069')/(intval('3443394285')*sqrt(intval('533')));
B3(133,133) = intval('-47344')/(intval('26900292735'));
B3(134,133) = intval('1063')/(intval('153121815')*sqrt(intval('286221')));
B3(135,133) = intval('23852')/(intval('51617335')*sqrt(intval('288353')));
B3(132,134) = intval('23852')/(intval('1160866005')*sqrt(intval('537')));
B3(133,134) = intval('-359')/(intval('51040605')*sqrt(intval('286221')));
B3(134,134) = intval('-20596')/(intval('11878701835'));
B3(135,134) = intval('17')*sqrt(intval('3'))/(intval('7456295')*sqrt(intval('96839')));
B3(136,134) = intval('1614')*sqrt(intval('15'))/(intval('52779419')*sqrt(intval('19511')));
B3(133,135) = intval('4842')/(intval('10323467')*sqrt(intval('288353')));
B3(134,135) = intval('-31')/(intval('4473777')*sqrt(intval('290517')));
B3(135,135) = intval('-6968')/(intval('4078872105'));
B3(136,135) = intval('1079')/(intval('160094319')*sqrt(intval('294845')));
B3(137,135) = intval('73712')/(intval('485629335')*sqrt(intval('33001')));
B3(134,136) = intval('73712')/(intval('158338257')*sqrt(intval('292665')));
B3(135,136) = intval('-1093')/(intval('160094319')*sqrt(intval('294845')));
B3(136,136) = intval('-5500')/(intval('3267330007'));
B3(137,136) = intval('1087')/(intval('490975713')*sqrt(intval('33245')));
B3(138,136) = intval('3562')*sqrt(intval('7'))/(intval('55155651')*sqrt(intval('43055')));
B3(135,137) = intval('24934')/(intval('161876445')*sqrt(intval('33001')));
B3(136,137) = intval('-367')/(intval('163658571')*sqrt(intval('33245')));
B3(137,137) = intval('-150688')/(intval('90836534845'));
B3(138,137) = intval('73')/(intval('33455067')*sqrt(intval('33733')));
B3(139,137) = intval('5060')/(intval('33822033')*sqrt(intval('33977')));
B3(136,138) = intval('5060')*sqrt(intval('5'))/(intval('55155651')*sqrt(intval('60277')));
B3(137,138) = intval('-1109')/(intval('501826005')*sqrt(intval('33733')));
B3(138,138) = intval('-16988')/(intval('10390336485'));
B3(139,138) = intval('1103')/(intval('170944995')*sqrt(intval('308021')));
B3(140,138) = intval('77006')/(intval('172806465')*sqrt(intval('310233')));
B3(137,139) = intval('77006')/(intval('507330495')*sqrt(intval('33977')));
B3(138,139) = intval('-1117')/(intval('170944995')*sqrt(intval('308021')));
B3(139,139) = intval('-51704')/(intval('32082745695'));
B3(140,139) = intval('101')*sqrt(intval('11'))/(intval('174667935')*sqrt(intval('28407')));
B3(141,139) = intval('5208')*sqrt(intval('5'))/(intval('58852079')*sqrt(intval('62941')));
B3(138,140) = intval('248')*sqrt(intval('21'))/(intval('11520431')*sqrt(intval('14773')));
B3(139,140) = intval('-25')*sqrt(intval('3'))/(intval('11644529')*sqrt(intval('104159')));
B3(140,140) = intval('-157348')/(intval('99043013485'));
B3(141,140) = intval('373')/(intval('59481513')*sqrt(intval('316965')));
B3(142,140) = intval('26414')/(intval('60119955')*sqrt(intval('319209')));
B3(139,141) = intval('26414')/(intval('58852079')*sqrt(intval('314705')));
B3(140,141) = intval('-103')*sqrt(intval('11'))/(intval('178444539')*sqrt(intval('28815')));
B3(141,141) = intval('-7600')/(intval('4852296009'));
B3(142,141) = intval('161')/(intval('26039313')*sqrt(intval('321485')));
B3(143,141) = intval('80372')/(intval('184217733')*sqrt(intval('323745')));
B3(140,142) = intval('80372')/(intval('180359865')*sqrt(intval('319209')));
B3(141,142) = intval('-163')/(intval('26039313')*sqrt(intval('321485')));
B3(142,142) = intval('-7708')/(intval('4991176665'));
B3(143,142) = intval('227')/(intval('37232055')*sqrt(intval('326037')));
B3(144,142) = intval('5434')/(intval('12542015')*sqrt(intval('328313')));
B3(141,143) = intval('5434')*sqrt(intval('5'))/(intval('61405911')*sqrt(intval('64749')));
B3(142,143) = intval('-383')/(intval('62053425')*sqrt(intval('326037')));
B3(143,143) = intval('-164152')/(intval('107793365725'));
B3(144,143) = intval('127')*sqrt(intval('3'))/(intval('63366725')*sqrt(intval('110207')));
B3(145,143) = intval('1312')*sqrt(intval('21'))/(intval('64032575')*sqrt(intval('15853')));
B3(142,144) = intval('27552')/(intval('62710075')*sqrt(intval('328313')));
B3(143,144) = intval('-1157')/(intval('190100175')*sqrt(intval('330621')));
B3(144,144) = intval('-55484')/(intval('36945020175'));
B3(145,144) = intval('1151')/(intval('194095275')*sqrt(intval('335237')));
B3(146,144) = intval('16762')*sqrt(intval('5'))/(intval('588361851')*sqrt(intval('7501')));
B3(143,145) = intval('16762')/(intval('38419545')*sqrt(intval('332913')));
B3(144,145) = intval('-233')/(intval('38819055')*sqrt(intval('335237')));
B3(145,145) = intval('-18752')/(intval('12660075285'));
B3(146,145) = intval('1159')/(intval('594437877')*sqrt(intval('37765')));
B3(147,145) = intval('28324')/(intval('66733095')*sqrt(intval('342209')));
B3(144,146) = intval('28324')/(intval('196120617')*sqrt(intval('37505')));
B3(145,146) = intval('-391')/(intval('198145959')*sqrt(intval('37765')));
B3(146,146) = intval('-171100')/(intval('117111106189'));
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B3(147,146) = intval('389')/(intval('202252611')*sqrt(intval('38285')));
B3(148,146) = intval('28714')/(intval('204334113')*sqrt(intval('38545')));
B3(145,147) = intval('4102')*sqrt(intval('7'))/(intval('66733095')*sqrt(intval('48887')));
B3(146,147) = intval('-1181')/(intval('606757833')*sqrt(intval('38285')));
B3(147,147) = intval('-6424')/(intval('4457305255'));
B3(148,147) = intval('235')/(intval('41283123')*sqrt(intval('349277')));
B3(149,147) = intval('17464')/(intval('41705097')*sqrt(intval('351633')));
B3(146,148) = intval('17464')*sqrt(intval('5'))/(intval('613002339')*sqrt(intval('7709')));
B3(147,148) = intval('-1189')/(intval('206415615')*sqrt(intval('349277')));
B3(148,148) = intval('-8372')/(intval('5888094585'));
B3(149,148) = intval('169')/(intval('30090765')*sqrt(intval('354021')));
B3(150,148) = intval('29502')/(intval('70924595')*sqrt(intval('356393')));
B3(147,149) = intval('9834')*sqrt(intval('3'))/(intval('69508495')*sqrt(intval('117211')));
B3(148,149) = intval('-19')*sqrt(intval('3'))/(intval('10030255')*sqrt(intval('118007')));
B3(149,149) = intval('-25456')/(intval('18145749595'));
B3(150,149) = intval('397')/(intval('71637405')*sqrt(intval('358797')));
B3(151,149) = intval('5980')*sqrt(intval('5'))/(intval('795957789')*sqrt(intval('597')));
B3(148,150) = intval('5980')/(intval('14184919')*sqrt(intval('356393')));
B3(149,150) = intval('-241')/(intval('42982443')*sqrt(intval('358797')));
B3(150,150) = intval('-60196')/(intval('43486312815'));
B3(151,150) = intval('109')/(intval('219246579')*sqrt(intval('3005')));
B3(152,150) = intval('12986')*sqrt(intval('7'))/(intval('221442705')*sqrt(intval('52287')));
B3(149,151) = intval('90902')/(intval('2387873367')*sqrt(intval('2985')));
B3(150,151) = intval('-1213')/(intval('2411712369')*sqrt(intval('3005')));
B3(151,151) = intval('-61000')/(intval('44655660063'));
B3(152,151) = intval('1207')/(intval('2460027141')*sqrt(intval('3045')));
B3(153,151) = intval('30704')/(intval('828168341')*sqrt(intval('3065')));
B3(150,152) = intval('30704')/(intval('73814235')*sqrt(intval('366009')));
B3(151,152) = intval('-37')/(intval('74546277')*sqrt(intval('3045')));
B3(152,152) = intval('-185428')/(intval('137545298605'));
B3(153,152) = intval('27')*sqrt(intval('3'))/(intval('15205957')*sqrt(intval('124439')));
B3(154,152) = intval('2074')*sqrt(intval('3'))/(intval('15356263')*sqrt(intval('125251')));
B3(151,153) = intval('6222')*sqrt(intval('5'))/(intval('828168341')*sqrt(intval('613')));
B3(152,153) = intval('-1229')/(intval('228089355')*sqrt(intval('373317')));
B3(153,153) = intval('-62624')/(intval('47064942015'));
B3(154,153) = intval('1223')/(intval('232598535')*sqrt(intval('378221')));
B3(155,153) = intval('94556')/(intval('704647935')*sqrt(intval('42297')));
B3(152,154) = intval('13508')*sqrt(intval('7'))/(intval('230343945')*sqrt(intval('53679')));
B3(153,154) = intval('-1237')/(intval('232598535')*sqrt(intval('378221')));
B3(154,154) = intval('-21148')/(intval('16101833445'));
B3(155,154) = intval('1231')/(intval('711500265')*sqrt(intval('42573')));
B3(156,154) = intval('6386')/(intval('399134295')*sqrt(intval('617')));
B3(153,155) = intval('6386')/(intval('46976529')*sqrt(intval('42297')));
B3(154,155) = intval('-83')/(intval('47433351')*sqrt(intval('42573')));
B3(155,155) = intval('-27544')/(intval('21244466875'));
B3(156,155) = intval('59')/(intval('863551425')*sqrt(intval('69')));
B3(157,155) = intval('32344')/(intval('244138125')*sqrt(intval('43401')));
B3(154,156) = intval('32344')/(intval('1995671475')*sqrt(intval('617')));
B3(155,156) = intval('-179')/(intval('2590654275')*sqrt(intval('69')));
B3(156,156) = intval('-3100')/(intval('2421906003'));
B3(157,156) = intval('1247')/(intval('6162046275')*sqrt(intval('629')));
B3(158,156) = intval('98282')/(intval('6221391825')*sqrt(intval('633')));
B3(155,157) = intval('98282')/(intval('732414375')*sqrt(intval('43401')));
B3(156,157) = intval('-1261')/(intval('6162046275')*sqrt(intval('629')));
B3(157,157) = intval('-65936')/(intval('52174629375'));
B3(158,157) = intval('251')/(intval('50245899')*sqrt(intval('398157')));
B3(159,157) = intval('948')/(intval('16908907')*sqrt(intval('8177')));
B3(156,158) = intval('2212')*sqrt(intval('3'))/(intval('414759455')*sqrt(intval('211')));
B3(157,158) = intval('-141')*sqrt(intval('3'))/(intval('83743165')*sqrt(intval('132719')));
B3(158,158) = intval('-200332')/(intval('160543661005'));
B3(159,158) = intval('421')/(intval('597421335')*sqrt(intval('8229')));
B3(160,158) = intval('33602')/(intval('86157435')*sqrt(intval('405753')));
B3(157,159) = intval('33602')/(intval('591811745')*sqrt(intval('8177')));
B3(158,159) = intval('-1277')/(intval('1792264005')*sqrt(intval('8229')));
B3(159,159) = intval('-67624')/(intval('54880122015'));
B3(160,159) = intval('1271')/(intval('1826348265')*sqrt(intval('8333')));
B3(161,159) = intval('20416')*sqrt(intval('5'))/(intval('1843605099')*sqrt(intval('1677')));
B3(158,160) = intval('20416')/(intval('51694461')*sqrt(intval('405753')));
B3(159,160) = intval('-257')/(intval('365269653')*sqrt(intval('8333')));
B3(160,160) = intval('-68476')/(intval('56271659535'));
B3(161,160) = intval('1279')/(intval('265837419')*sqrt(intval('413445')));
B3(162,160) = intval('34454')/(intval('89444515')*sqrt(intval('416009')));
B3(159,161) = intval('4922')/(intval('87790719')*sqrt(intval('8385')));
B3(160,161) = intval('-431')/(intval('88612473')*sqrt(intval('413445')));
B3(161,161) = intval('-208000')/(intval('173068480189'));
B3(162,161) = intval('13')*sqrt(intval('33'))/(intval('90276557')*sqrt(intval('12685')));
B3(163,161) = intval('11628')*sqrt(intval('3'))/(intval('91118951')*sqrt(intval('140395')));
B3(160,162) = intval('34884')/(intval('89444515')*sqrt(intval('416009')));
B3(161,162) = intval('-1301')/(intval('270829671')*sqrt(intval('418605')));
B3(162,162) = intval('-10028')/(intval('8447707545'));
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B3(163,162) = intval('37')/(intval('7882401')*sqrt(intval('423797')));
B3(164,162) = intval('21190')/(intval('167065479')*sqrt(intval('47377')));
B3(161,163) = intval('21190')*sqrt(intval('5'))/(intval('273356853')*sqrt(intval('84237')));
B3(162,163) = intval('-17')*sqrt(intval('11'))/(intval('39412005')*sqrt(intval('38527')));
B3(163,163) = intval('-1128')/(intval('961989985'));
B3(164,163) = intval('1303')/(intval('843002685')*sqrt(intval('47669')));
B3(165,163) = intval('35752')/(intval('94530255')*sqrt(intval('431633')));
B3(162,164) = intval('35752')/(intval('278442465')*sqrt(intval('47377')));
B3(163,164) = intval('-439')/(intval('281000895')*sqrt(intval('47669')));
B3(164,164) = intval('-215812')/(intval('186312226285'));
B3(165,164) = intval('437')/(intval('286180635')*sqrt(intval('48253')));
B3(166,164) = intval('1034')*sqrt(intval('35'))/(intval('288802137')*sqrt(intval('1387')));
B3(163,165) = intval('7238')/(intval('18906051')*sqrt(intval('431633')));
B3(164,165) = intval('-265')/(intval('171708381')*sqrt(intval('48253')));
B3(165,165) = intval('-24272')/(intval('21210135765'));
B3(166,165) = intval('1319')/(intval('291423639')*sqrt(intval('439565')));
B3(167,165) = intval('109892')/(intval('294076965')*sqrt(intval('442209')));
B3(164,166) = intval('109892')/(intval('866406411')*sqrt(intval('48545')));
B3(165,166) = intval('-1333')/(intval('291423639')*sqrt(intval('439565')));
B3(166,166) = intval('-73700')/(intval('65184702063'));
B3(167,166) = intval('1327')/(intval('296730291')*sqrt(intval('444885')));
B3(168,166) = intval('37074')/(intval('99805211')*sqrt(intval('447545')));
B3(165,167) = intval('12358')*sqrt(intval('3'))/(intval('98025655')*sqrt(intval('147403')));
B3(166,167) = intval('-149')*sqrt(intval('3'))/(intval('98910097')*sqrt(intval('148295')));
B3(167,167) = intval('-223768')/(intval('200301897565'));
B3(168,167) = intval('89')/(intval('20140065')*sqrt(intval('450237')));
B3(169,167) = intval('7504')/(intval('20321235')*sqrt(intval('452913')));
B3(166,168) = intval('1072')*sqrt(intval('35'))/(intval('99805211')*sqrt(intval('12787')));
B3(167,168) = intval('-1349')/(intval('302100975')*sqrt(intval('450237')));
B3(168,168) = intval('-75484')/(intval('68378540175'));
B3(169,168) = intval('1343')/(intval('307536075')*sqrt(intval('455621')));
B3(170,168) = intval('113906')/(intval('310286025')*sqrt(intval('458313')));
B3(167,169) = intval('113906')/(intval('304818525')*sqrt(intval('452913')));
B3(168,169) = intval('-1357')/(intval('307536075')*sqrt(intval('455621')));
B3(169,169) = intval('-10912')/(intval('10002681225'));
B3(170,169) = intval('193')/(intval('44719425')*sqrt(intval('461037')));
B3(171,169) = intval('7684')*sqrt(intval('5'))/(intval('105272839')*sqrt(intval('92749')));
B3(168,170) = intval('7684')/(intval('20685735')*sqrt(intval('458313')));
B3(169,170) = intval('-13')/(intval('2981295')*sqrt(intval('461037')));
B3(170,170) = intval('-33124')/(intval('30723569995'));
B3(171,170) = intval('151')*sqrt(intval('3'))/(intval('106200353')*sqrt(intval('155495')));
B3(172,170) = intval('12958')*sqrt(intval('3'))/(intval('107138795')*sqrt(intval('156403')));
B3(169,171) = intval('38874')/(intval('105272839')*sqrt(intval('463745')));
B3(170,171) = intval('-1373')/(intval('318601059')*sqrt(intval('466485')));
B3(171,171) = intval('-78200')/(intval('73387572063'));
B3(172,171) = intval('1367')/(intval('324231711')*sqrt(intval('471965')));
B3(173,171) = intval('16856')*sqrt(intval('7'))/(intval('981240039')*sqrt(intval('7535')));
B3(170,172) = intval('117992')/(intval('321416385')*sqrt(intval('469209')));
B3(171,172) = intval('-1381')/(intval('324231711')*sqrt(intval('471965')));
B3(172,172) = intval('-26372')/(intval('25038948165'));
B3(173,172) = intval('25')*sqrt(intval('11'))/(intval('197956989')*sqrt(intval('4823')));
B3(174,172) = intval('7958')/(intval('22187319')*sqrt(intval('480233')));
B3(171,173) = intval('7958')*sqrt(intval('5'))/(intval('327080013')*sqrt(intval('10549')));
B3(172,173) = intval('-463')/(intval('329928315')*sqrt(intval('53053')));
B3(173,173) = intval('-240112')/(intval('230629497085'));
B3(174,173) = intval('461')/(intval('335691255')*sqrt(intval('53669')));
B3(175,173) = intval('40252')/(intval('338606085')*sqrt(intval('53977')));
B3(172,174) = intval('40252')/(intval('110936595')*sqrt(intval('480233')));
B3(173,174) = intval('-127')*sqrt(intval('11'))/(intval('1007073765')*sqrt(intval('4879')));
B3(174,174) = intval('-8996')/(intval('8740765495'));
B3(175,174) = intval('1391')/(intval('341520915')*sqrt(intval('488597')));
B3(176,174) = intval('24430')*sqrt(intval('5'))/(intval('344469297')*sqrt(intval('98277')));
B3(173,175) = intval('3490')*sqrt(intval('7'))/(intval('203163651')*sqrt(intval('7711')));
B3(174,175) = intval('-281')/(intval('68304183')*sqrt(intval('488597')));
B3(175,175) = intval('-81896')/(intval('80488371615'));
B3(176,175) = intval('1399')/(intval('347417679')*sqrt(intval('494205')));
B3(177,175) = intval('41184')/(intval('116799935')*sqrt(intval('497009')));
B3(174,176) = intval('13728')*sqrt(intval('3'))/(intval('114823099')*sqrt(intval('163795')));
B3(175,176) = intval('-157')*sqrt(intval('3'))/(intval('115805893')*sqrt(intval('164735')));
B3(176,176) = intval('-35500')/(intval('35289130027'));
B3(177,176) = intval('67')/(intval('16827711')*sqrt(intval('499845')));
B3(178,176) = intval('41654')/(intval('118799331')*sqrt(intval('502665')));
B3(175,177) = intval('41654')/(intval('116799935')*sqrt(intval('497009')));
B3(176,177) = intval('-203')/(intval('50483133')*sqrt(intval('499845')));
B3(177,177) = intval('-11968')/(intval('12032292105'));
B3(178,177) = intval('283')/(intval('71882811')*sqrt(intval('505517')));
B3(179,177) = intval('25276')/(intval('72492849')*sqrt(intval('508353')));
B3(176,178) = intval('25276')*sqrt(intval('5'))/(intval('356397993')*sqrt(intval('100533')));
B3(177,178) = intval('-1429')/(intval('359414055')*sqrt(intval('505517')));
B3(178,178) = intval('-84724')/(intval('86142957615'));
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B3(179,178) = intval('1423')/(intval('365514435')*sqrt(intval('511221')));
B3(180,178) = intval('6086')*sqrt(intval('7'))/(intval('122866315')*sqrt(intval('73439')));
B3(177,179) = intval('42602')/(intval('120821415')*sqrt(intval('508353')));
B3(178,179) = intval('-479')/(intval('121838145')*sqrt(intval('511221')));
B3(179,179) = intval('-257032')/(intval('264277218205'));
B3(180,179) = intval('159')*sqrt(intval('3'))/(intval('123894485')*sqrt(intval('172319')));
B3(181,179) = intval('2872')*sqrt(intval('3'))/(intval('124934159')*sqrt(intval('6931')));
B3(178,180) = intval('8616')/(intval('24573263')*sqrt(intval('514073')));
B3(179,180) = intval('-289')/(intval('74336691')*sqrt(intval('516957')));
B3(180,180) = intval('-86636')/(intval('90074756175'));
B3(181,180) = intval('1439')/(intval('1889607495')*sqrt(intval('20909')));
B3(182,180) = intval('130682')/(intval('10289031075')*sqrt(intval('721')));
B3(179,181) = intval('130682')/(intval('1874012385')*sqrt(intval('20793')));
B3(180,181) = intval('-1453')/(intval('1889607495')*sqrt(intval('20909')));
B3(181,181) = intval('-29200')/(intval('30696792021'));
B3(182,181) = intval('1447')/(intval('51870908385')*sqrt(intval('29')));
B3(183,181) = intval('44044')/(intval('645695955')*sqrt(intval('21257')));
B3(180,182) = intval('6292')*sqrt(intval('7'))/(intval('3429677025')*sqrt(intval('103')));
B3(181,182) = intval('-487')/(intval('17290302795')*sqrt(intval('29')));
B3(182,182) = intval('-265708')/(intval('282418907725'));
B3(183,182) = intval('97')/(intval('703091151')*sqrt(intval('733')));
B3(184,182) = intval('8906')/(intval('708893829')*sqrt(intval('737')));
B3(181,183) = intval('8906')/(intval('129139191')*sqrt(intval('21257')));
B3(182,183) = intval('-1469')/(intval('10546367265')*sqrt(intval('733')));
B3(183,183) = intval('-4264')/(intval('4582043235'));
B3(184,183) = intval('19')*sqrt(intval('11'))/(intval('56721945')*sqrt(intval('49111')));
B3(185,183) = intval('135056')/(intval('400312605')*sqrt(intval('543153')));
B3(182,184) = intval('135056')/(intval('10633407435')*sqrt(intval('737')));
B3(183,184) = intval('-211')/(intval('56721945')*sqrt(intval('540221')));
B3(184,184) = intval('-12932')/(intval('14048652345'));
B3(185,184) = intval('1471')/(intval('403571595')*sqrt(intval('546117')));
B3(186,184) = intval('9102')*sqrt(intval('5'))/(intval('135622019')*sqrt(intval('109813')));
B3(183,185) = intval('3034')*sqrt(intval('3'))/(intval('26687507')*sqrt(intval('181051')));
B3(184,185) = intval('-3')*sqrt(intval('33'))/(intval('26904773')*sqrt(intval('16549')));
B3(185,185) = intval('-274528')/(intval('301478963005'));
B3(186,185) = intval('493')/(intval('136720173')*sqrt(intval('552045')));
B3(187,185) = intval('6572')*sqrt(intval('7'))/(intval('137830215')*sqrt(intval('79287')));
B3(184,186) = intval('46004')/(intval('135622019')*sqrt(intval('549065')));
B3(185,186) = intval('-1493')/(intval('410160519')*sqrt(intval('552045')));
B3(186,186) = intval('-92500')/(intval('102680550063'));
B3(187,186) = intval('1487')/(intval('416820771')*sqrt(intval('558005')));
B3(188,186) = intval('139502')/(intval('420186753')*sqrt(intval('560985')));
B3(185,187) = intval('139502')/(intval('413490645')*sqrt(intval('555009')));
B3(186,187) = intval('-1501')/(intval('416820771')*sqrt(intval('558005')));
B3(187,187) = intval('-93496')/(intval('104903634015'));
B3(188,187) = intval('299')/(intval('84710547')*sqrt(intval('563997')));
B3(189,187) = intval('9400')/(intval('28463651')*sqrt(intval('566993')));
B3(186,188) = intval('9400')*sqrt(intval('5'))/(intval('140062251')*sqrt(intval('112197')));
B3(187,188) = intval('-503')/(intval('141184245')*sqrt(intval('563997')));
B3(188,188) = intval('-283492')/(intval('321487865965'));
B3(189,188) = intval('167')*sqrt(intval('3'))/(intval('143452265')*sqrt(intval('190007')));
B3(190,188) = intval('15834')*sqrt(intval('3'))/(intval('144598355')*sqrt(intval('191011')));
B3(187,189) = intval('6786')*sqrt(intval('7'))/(intval('142318255')*sqrt(intval('80999')));
B3(188,189) = intval('-1517')/(intval('430356795')*sqrt(intval('570021')));
B3(189,189) = intval('-95504')/(intval('109457898495'));
B3(190,189) = intval('1511')/(intval('437233335')*sqrt(intval('576077')));
B3(191,189) = intval('28804')*sqrt(intval('5'))/(intval('1322124111')*sqrt(intval('12869')));
B3(188,190) = intval('28804')/(intval('86759013')*sqrt(intval('573033')));
B3(189,190) = intval('-305')/(intval('87446667')*sqrt(intval('576077')));
B3(190,190) = intval('-1532')/(intval('1774442065'));
B3(191,190) = intval('217')/(intval('190364031')*sqrt(intval('64685')));
B3(192,190) = intval('48514')/(intval('149231355')*sqrt(intval('585209')));
B3(189,191) = intval('48514')/(intval('440708037')*sqrt(intval('64345')));
B3(190,191) = intval('-73')/(intval('63454677')*sqrt(intval('64685')));
B3(191,191) = intval('-41800')/(intval('48925228027'));
B3(192,191) = intval('509')/(intval('451205391')*sqrt(intval('65365')));
B3(193,191) = intval('49024')/(intval('454753533')*sqrt(intval('65705')));
B3(190,192) = intval('49024')/(intval('149231355')*sqrt(intval('585209')));
B3(191,192) = intval('-1541')/(intval('1353616173')*sqrt(intval('65365')));
B3(192,192) = intval('-32852')/(intval('38855111685'));
B3(193,192) = intval('307')/(intval('91660335')*sqrt(intval('594437')));
B3(194,192) = intval('4246')*sqrt(intval('7'))/(intval('92377365')*sqrt(intval('85359')));
B3(191,193) = intval('29722')*sqrt(intval('5'))/(intval('1364260599')*sqrt(intval('13141')));
B3(192,193) = intval('-1549')/(intval('458301675')*sqrt(intval('594437')));
B3(193,193) = intval('-99584')/(intval('119009651775'));
B3(194,193) = intval('1543')/(intval('465471975')*sqrt(intval('600621')));
B3(195,193) = intval('50052')/(intval('156364775')*sqrt(intval('603713')));
B3(192,194) = intval('16684')*sqrt(intval('3'))/(intval('153962275')*sqrt(intval('199171')));
B3(193,194) = intval('-173')*sqrt(intval('3'))/(intval('155157325')*sqrt(intval('200207')));
B3(194,194) = intval('-301852')/(intval('364476630925'));
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B3(195,194) = intval('47')*sqrt(intval('11'))/(intval('157572225')*sqrt(intval('55167')));
B3(196,194) = intval('10114')*sqrt(intval('5'))/(intval('158792139')*sqrt(intval('121989')));
B3(193,195) = intval('10114')/(intval('31272955')*sqrt(intval('603713')));
B3(194,195) = intval('-313')/(intval('94543335')*sqrt(intval('606837')));
B3(195,195) = intval('-101656')/(intval('124013407455'));
B3(196,195) = intval('1559')/(intval('480036159')*sqrt(intval('613085')));
B3(197,195) = intval('153272')/(intval('483733485')*sqrt(intval('616209')));
B3(194,196) = intval('21896')*sqrt(intval('7'))/(intval('476376417')*sqrt(intval('87135')));
B3(195,196) = intval('-143')*sqrt(intval('11'))/(intval('480036159')*sqrt(intval('55735')));
B3(196,196) = intval('-102700')/(intval('126573642063'));
B3(197,196) = intval('1567')/(intval('487430811')*sqrt(intval('619365')));
B3(198,196) = intval('51614')/(intval('163721971')*sqrt(intval('622505')));
B3(195,197) = intval('51614')/(intval('161244495')*sqrt(intval('616209')));
B3(196,197) = intval('-527')/(intval('162476937')*sqrt(intval('619365')));
B3(197,197) = intval('-44464')/(intval('55359992155'));
B3(198,197) = intval('5')*sqrt(intval('3'))/(intval('4713343')*sqrt(intval('208559')));
B3(199,197) = intval('3476')*sqrt(intval('3'))/(intval('33244939')*sqrt(intval('209611')));
B3(196,198) = intval('10428')*sqrt(intval('5'))/(intval('163721971')*sqrt(intval('124501')));
B3(197,198) = intval('-227')/(intval('70700145')*sqrt(intval('625677')));
B3(198,198) = intval('-14972')/(intval('18830404185'));
B3(199,198) = intval('1583')/(intval('502447155')*sqrt(intval('632021')));
B3(200,198) = intval('158006')/(intval('1518775155')*sqrt(intval('70577')));
B3(197,199) = intval('158006')/(intval('498674085')*sqrt(intval('628833')));
B3(198,199) = intval('-1597')/(intval('502447155')*sqrt(intval('632021')));
B3(199,199) = intval('-35288')/(intval('44830863285'));
B3(200,199) = intval('1591')/(intval('1530208845')*sqrt(intval('70933')));
B3(198,200) = intval('10640')/(intval('101251677')*sqrt(intval('70577')));
B3(199,200) = intval('-107')/(intval('102013923')*sqrt(intval('70933')));
B3(200,200) = intval('-320788')/(intval('411639011245'));
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```
"function generate_B4.m"
---------------------------------------------------------------------------------
function B4 = generate_B4
B4 = intval(zeros(200,200));
B4(1,1) = intval('2')/(intval('693'));
B4(2,1) = intval('8')/(intval('9009')*sqrt(intval('5')));
B4(3,1) = intval('-1')/(intval('693')*sqrt(intval('65')));
B4(4,1) = intval('2')/(intval('9009')*sqrt(intval('85')));
B4(1,2) = intval('8')/(intval('9009')*sqrt(intval('5')));
B4(2,2) = intval('2')/(intval('9009'));
B4(3,2) = intval('-2')/(intval('58905')*sqrt(intval('13')));
B4(4,2) = intval('-89')/(intval('855855')*sqrt(intval('17')));
B4(5,2) = intval('8')*sqrt(intval('7'))/(intval('2078505')*sqrt(intval('3')));
B4(1,3) = intval('-1')/(intval('693')*sqrt(intval('65')));
B4(2,3) = intval('-2')/(intval('58905')*sqrt(intval('13')));
B4(3,3) = intval('46')/(intval('1119195'));
B4(4,3) = intval('-4')/(intval('65835')*sqrt(intval('221')));
B4(5,3) = intval('-149')/(intval('1225785')*sqrt(intval('273')));
B4(6,3) = intval('2')/(intval('260015')*sqrt(intval('13')));
B4(1,4) = intval('2')/(intval('9009')*sqrt(intval('85')));
B4(2,4) = intval('-89')/(intval('855855')*sqrt(intval('17')));
B4(3,4) = intval('-4')/(intval('65835')*sqrt(intval('221')));
B4(4,4) = intval('86')/(intval('6561555'));
B4(5,4) = intval('-2')*sqrt(intval('7'))/(intval('426075')*sqrt(intval('51')));
B4(6,4) = intval('-1')/(intval('82593')*sqrt(intval('17')));
B4(7,4) = intval('44')/(intval('2064825')*sqrt(intval('493')));
B4(2,5) = intval('8')*sqrt(intval('7'))/(intval('2078505')*sqrt(intval('3')));
B4(3,5) = intval('-149')/(intval('1225785')*sqrt(intval('273')));
B4(4,5) = intval('-2')*sqrt(intval('7'))/(intval('426075')*sqrt(intval('51')));
B4(5,5) = intval('82')/(intval('15043725'));
B4(6,5) = intval('-16')*sqrt(intval('7'))/(intval('29084535')*sqrt(intval('3')));
B4(7,5) = intval('-317')/(intval('9144225')*sqrt(intval('609')));
B4(8,5) = intval('26')*sqrt(intval('7'))/(intval('41870925')*sqrt(intval('11')));
B4(3,6) = intval('2')/(intval('260015')*sqrt(intval('13')));
B4(4,6) = intval('-1')/(intval('82593')*sqrt(intval('17')));
B4(5,6) = intval('-16')*sqrt(intval('7'))/(intval('29084535')*sqrt(intval('3')));
B4(6,6) = intval('22')/(intval('8250123'));
B4(7,6) = intval('-2')/(intval('823515')*sqrt(intval('29')));
B4(8,6) = intval('-17')/(intval('3907953')*sqrt(intval('33')));
B4(9,6) = intval('16')/(intval('9345105')*sqrt(intval('37')));
B4(4,7) = intval('44')/(intval('2064825')*sqrt(intval('493')));
B4(5,7) = intval('-317')/(intval('9144225')*sqrt(intval('609')));
B4(6,7) = intval('-2')/(intval('823515')*sqrt(intval('29')));
B4(7,7) = intval('2')/(intval('1372525'));
B4(8,7) = intval('-4')*sqrt(intval('11'))/(intval('5419575')*sqrt(intval('87')));
B4(9,7) = intval('-61')/(intval('4189185')*sqrt(intval('1073')));
B4(10,7) = intval('34')/(intval('5740735')*sqrt(intval('1189')));
B4(5,8) = intval('26')*sqrt(intval('7'))/(intval('41870925')*sqrt(intval('11')));
B4(6,8) = intval('-17')/(intval('3907953')*sqrt(intval('33')));
B4(7,8) = intval('-4')*sqrt(intval('11'))/(intval('5419575')*sqrt(intval('87')));
B4(8,8) = intval('1058')/(intval('1225907865'));
B4(9,8) = intval('-2')*sqrt(intval('11'))/(intval('3870195')*sqrt(intval('111')));
B4(10,8) = intval('-53')/(intval('5178705')*sqrt(intval('1353')));
B4(11,8) = intval('76')/(intval('53424189')*sqrt(intval('165')));
B4(6,9) = intval('16')/(intval('9345105')*sqrt(intval('37')));
B4(7,9) = intval('-61')/(intval('4189185')*sqrt(intval('1073')));
B4(8,9) = intval('-2')*sqrt(intval('11'))/(intval('3870195')*sqrt(intval('111')));
B4(9,9) = intval('446')/(intval('820614795'));
B4(10,9) = intval('-8')/(intval('1936935')*sqrt(intval('1517')));
B4(11,9) = intval('-13')/(intval('5220243')*sqrt(intval('185')));
B4(12,9) = intval('22')/(intval('48473685')*sqrt(intval('37')));
B4(7,10) = intval('34')/(intval('5740735')*sqrt(intval('1189')));
B4(8,10) = intval('-53')/(intval('5178705')*sqrt(intval('1353')));
B4(9,10) = intval('-8')/(intval('1936935')*sqrt(intval('1517')));
B4(10,10) = intval('22')/(intval('61242363'));
B4(11,10) = intval('-34')/(intval('32976657')*sqrt(intval('205')));
B4(12,10) = intval('-113')/(intval('140691915')*sqrt(intval('41')));
B4(13,10) = intval('184')/(intval('75757185')*sqrt(intval('2173')));
B4(8,11) = intval('76')/(intval('53424189')*sqrt(intval('165')));
B4(9,11) = intval('-13')/(intval('5220243')*sqrt(intval('185')));
B4(10,11) = intval('-34')/(intval('32976657')*sqrt(intval('205')));
B4(11,11) = intval('1994')/(intval('8075715921'));
B4(12,11) = intval('-76')/(intval('671919849')*sqrt(intval('5')));
B4(13,11) = intval('-241')/(intval('166665807')*sqrt(intval('265')));
B4(14,11) = intval('26')*sqrt(intval('5'))/(intval('205425297')*sqrt(intval('57')));
B4(9,12) = intval('22')/(intval('48473685')*sqrt(intval('37')));
B4(10,12) = intval('-113')/(intval('140691915')*sqrt(intval('41')));
B4(11,12) = intval('-76')/(intval('671919849')*sqrt(intval('5')));
B4(12,12) = intval('158')/(intval('901355895'));
B4(13,12) = intval('-2')/(intval('7514595')*sqrt(intval('53')));
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B4(14,12) = intval('-1409')/(intval('2885736315')*sqrt(intval('57')));
B4(15,12) = intval('12')/(intval('55551155')*sqrt(intval('61')));
B4(10,13) = intval('184')/(intval('75757185')*sqrt(intval('2173')));
B4(11,13) = intval('-241')/(intval('166665807')*sqrt(intval('265')));
B4(12,13) = intval('-2')/(intval('7514595')*sqrt(intval('53')));
B4(13,13) = intval('926')/(intval('7241564715'));
B4(14,13) = intval('-736')/(intval('494664555')*sqrt(intval('3021')));
B4(15,13) = intval('-181')/(intval('66032505')*sqrt(intval('3233')));
B4(16,13) = intval('58')/(intval('47388033')*sqrt(intval('3445')));
B4(11,14) = intval('26')*sqrt(intval('5'))/(intval('205425297')*sqrt(intval('57')));
B4(12,14) = intval('-1409')/(intval('2885736315')*sqrt(intval('57')));
B4(13,14) = intval('-736')/(intval('494664555')*sqrt(intval('3021')));
B4(14,14) = intval('3218')/(intval('33707856105'));
B4(15,14) = intval('-34')/(intval('28171143')*sqrt(intval('3477')));
B4(16,14) = intval('-373')/(intval('167105169')*sqrt(intval('3705')));
B4(17,14) = intval('992')/(intval('2962318905')*sqrt(intval('437')));
B4(12,15) = intval('12')/(intval('55551155')*sqrt(intval('61')));
B4(13,15) = intval('-181')/(intval('66032505')*sqrt(intval('3233')));
B4(14,15) = intval('-34')/(intval('28171143')*sqrt(intval('3477')));
B4(15,15) = intval('82')/(intval('1127731605'));
B4(16,15) = intval('-12')/(intval('12092227')*sqrt(intval('3965')));
B4(17,15) = intval('-2117')/(intval('1149314985')*sqrt(intval('4209')));
B4(18,15) = intval('374')/(intval('448038045')*sqrt(intval('4453')));
B4(13,16) = intval('58')/(intval('47388033')*sqrt(intval('3445')));
B4(14,16) = intval('-373')/(intval('167105169')*sqrt(intval('3705')));
B4(15,16) = intval('-12')/(intval('12092227')*sqrt(intval('3965')));
B4(16,16) = intval('466')/(intval('8269173969'));
B4(17,16) = intval('-1102')/(intval('1334524023')*sqrt(intval('4485')));
B4(18,16) = intval('-53')/(intval('34464465')*sqrt(intval('4745')));
B4(19,16) = intval('4')*sqrt(intval('7'))/(intval('39935015')*sqrt(intval('715')));
B4(14,17) = intval('992')/(intval('2962318905')*sqrt(intval('437')));
B4(15,17) = intval('-2117')/(intval('1149314985')*sqrt(intval('4209')));
B4(16,17) = intval('-1102')/(intval('1334524023')*sqrt(intval('4485')));
B4(17,17) = intval('946')/(intval('21330506925'));
B4(18,17) = intval('-248')/(intval('357131775')*sqrt(intval('5037')));
B4(19,17) = intval('-2669')/(intval('2057521425')*sqrt(intval('5313')));
B4(20,17) = intval('1406')/(intval('21281527575')*sqrt(intval('69')));
B4(15,18) = intval('374')/(intval('448038045')*sqrt(intval('4453')));
B4(16,18) = intval('-53')/(intval('34464465')*sqrt(intval('4745')));
B4(17,18) = intval('-248')/(intval('357131775')*sqrt(intval('5037')));
B4(18,18) = intval('1766')/(intval('49916033475'));
B4(19,18) = intval('-2')*sqrt(intval('77'))/(intval('261239175')*sqrt(intval('73')));
B4(20,18) = intval('-2969')/(intval('24196805325')*sqrt(intval('73')));
B4(21,18) = intval('104')/(intval('204480045')*sqrt(intval('6205')));
B4(16,19) = intval('4')*sqrt(intval('7'))/(intval('39935015')*sqrt(intval('715')));
B4(17,19) = intval('-2669')/(intval('2057521425')*sqrt(intval('5313')));
B4(18,19) = intval('-2')*sqrt(intval('77'))/(intval('261239175')*sqrt(intval('73')));
B4(19,19) = intval('1966')/(intval('68819485275'));
B4(20,19) = intval('-4')*sqrt(intval('77'))/(intval('5492634975'));
B4(21,19) = intval('-73')/(intval('77011965')*sqrt(intval('6545')));
B4(22,19) = intval('82')*sqrt(intval('7'))/(intval('1309203405')*sqrt(intval('979')));
B4(17,20) = intval('1406')/(intval('21281527575')*sqrt(intval('69')));
B4(18,20) = intval('-2969')/(intval('24196805325')*sqrt(intval('73')));
B4(19,20) = intval('-4')*sqrt(intval('77'))/(intval('5492634975'));
B4(20,20) = intval('1306')/(intval('56004812325'));
B4(21,20) = intval('-1702')/(intval('35184199743')*sqrt(intval('85')));
B4(22,20) = intval('-3617')/(intval('39712503285')*sqrt(intval('89')));
B4(23,20) = intval('1892')/(intval('44739402435')*sqrt(intval('93')));
B4(18,21) = intval('104')/(intval('204480045')*sqrt(intval('6205')));
B4(19,21) = intval('-73')/(intval('77011965')*sqrt(intval('6545')));
B4(20,21) = intval('-1702')/(intval('35184199743')*sqrt(intval('85')));
B4(21,21) = intval('2398')/(intval('124743980907'));
B4(22,21) = intval('-16')/(intval('42307839')*sqrt(intval('7565')));
B4(23,21) = intval('-61')/(intval('85474977')*sqrt(intval('7905')));
B4(24,21) = intval('46')/(intval('138339019')*sqrt(intval('8245')));
B4(19,22) = intval('82')*sqrt(intval('7'))/(intval('1309203405')*sqrt(intval('979')));
B4(20,22) = intval('-3617')/(intval('39712503285')*sqrt(intval('89')));
B4(21,22) = intval('-16')/(intval('42307839')*sqrt(intval('7565')));
B4(22,22) = intval('526')/(intval('32898262215'));
B4(23,22) = intval('-82')/(intval('248047527')*sqrt(intval('8277')));
B4(24,22) = intval('-37')/(intval('59185665')*sqrt(intval('8633')));
B4(25,22) = intval('752')/(intval('2573555985')*sqrt(intval('8989')));
B4(20,23) = intval('1892')/(intval('44739402435')*sqrt(intval('93')));
B4(21,23) = intval('-61')/(intval('85474977')*sqrt(intval('7905')));
B4(22,23) = intval('-82')/(intval('248047527')*sqrt(intval('8277')));
B4(23,23) = intval('8618')/(intval('642807870705'));
B4(24,23) = intval('-172')/(intval('591790815')*sqrt(intval('9021')));
B4(25,23) = intval('-4709')/(intval('8550847305')*sqrt(intval('9393')));
B4(26,23) = intval('14')*sqrt(intval('35'))/(intval('5694300513')*sqrt(intval('31')));
B4(21,24) = intval('46')/(intval('138339019')*sqrt(intval('8245')));
B4(22,24) = intval('-37')/(intval('59185665')*sqrt(intval('8633')));
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B4(23,24) = intval('-172')/(intval('591790815')*sqrt(intval('9021')));
B4(24,24) = intval('1042')/(intval('92002415505'));
B4(25,24) = intval('-6')/(intval('23356795')*sqrt(intval('9797')));
B4(26,24) = intval('-1021')/(intval('2093780601')*sqrt(intval('10185')));
B4(27,24) = intval('884')/(intval('3856964265')*sqrt(intval('10573')));
B4(22,25) = intval('752')/(intval('2573555985')*sqrt(intval('8989')));
B4(23,25) = intval('-4709')/(intval('8550847305')*sqrt(intval('9393')));
B4(24,25) = intval('-6')/(intval('23356795')*sqrt(intval('9797')));
B4(25,25) = intval('226')/(intval('23460016965'));
B4(26,25) = intval('-376')*sqrt(intval('7'))/(intval('11535978267')*sqrt(intval('1515')));
B4(27,25) = intval('-613')/(intval('1412947305')*sqrt(intval('11009')));
B4(28,25) = intval('318')/(intval('1555669255')*sqrt(intval('11413')));
B4(23,26) = intval('14')*sqrt(intval('35'))/(intval('5694300513')*sqrt(intval('31')));
B4(24,26) = intval('-1021')/(intval('2093780601')*sqrt(intval('10185')));
B4(25,26) = intval('-376')*sqrt(intval('7'))/(intval('11535978267')*sqrt(intval('1515')));
B4(26,26) = intval('10994')/(intval('1333297446921'));
B4(27,26) = intval('-406')*sqrt(intval('7'))/(intval('13961876703')*sqrt(intval('1635')));
B4(28,26) = intval('-1189')/(intval('3066890817')*sqrt(intval('11865')));
B4(29,26) = intval('88')*sqrt(intval('7'))/(intval('10093941621')*sqrt(intval('195')));
B4(24,27) = intval('884')/(intval('3856964265')*sqrt(intval('10573')));
B4(25,27) = intval('-613')/(intval('1412947305')*sqrt(intval('11009')));
B4(26,27) = intval('-406')*sqrt(intval('7'))/(intval('13961876703')*sqrt(intval('1635')));
B4(27,27) = intval('158')/(intval('22256060883'));
B4(28,27) = intval('-68')/(intval('372878415')*sqrt(intval('12317')));
B4(29,27) = intval('-6389')/(intval('55099956555')*sqrt(intval('1417')));
B4(30,27) = intval('1102')/(intval('73638259695')*sqrt(intval('109')));
B4(25,28) = intval('318')/(intval('1555669255')*sqrt(intval('11413')));
B4(26,28) = intval('-1189')/(intval('3066890817')*sqrt(intval('11865')));
B4(27,28) = intval('-68')/(intval('372878415')*sqrt(intval('12317')));
B4(28,28) = intval('4246')/(intval('690943702995'));
B4(29,28) = intval('-3286')/(intval('60103657845')*sqrt(intval('1469')));
B4(30,28) = intval('-761')/(intval('26718306615')*sqrt(intval('113')));
B4(31,28) = intval('236')/(intval('7943280345')*sqrt(intval('565')));
B4(26,29) = intval('88')*sqrt(intval('7'))/(intval('10093941621')*sqrt(intval('195')));
B4(27,29) = intval('-6389')/(intval('55099956555')*sqrt(intval('1417')));
B4(28,29) = intval('-3286')/(intval('60103657845')*sqrt(intval('1469')));
B4(29,29) = intval('13658')/(intval('2554681163265'));
B4(30,29) = intval('-64')/(intval('14265586125')*sqrt(intval('13')));
B4(31,29) = intval('-293')/(intval('15519947751')*sqrt(intval('65')));
B4(32,29) = intval('3782')/(intval('84347542125')*sqrt(intval('1677')));
B4(27,30) = intval('1102')/(intval('73638259695')*sqrt(intval('109')));
B4(28,30) = intval('-761')/(intval('26718306615')*sqrt(intval('113')));
B4(29,30) = intval('-64')/(intval('14265586125')*sqrt(intval('13')));
B4(30,30) = intval('974')/(intval('208429050375'));
B4(31,30) = intval('-38')/(intval('15586868115')*sqrt(intval('5')));
B4(32,30) = intval('-7817')/(intval('334834182375')*sqrt(intval('129')));
B4(33,30) = intval('64')*sqrt(intval('7'))/(intval('40330167625')*sqrt(intval('19')));
B4(28,31) = intval('236')/(intval('7943280345')*sqrt(intval('565')));
B4(29,31) = intval('-293')/(intval('15519947751')*sqrt(intval('65')));
B4(30,31) = intval('-38')/(intval('15586868115')*sqrt(intval('5')));
B4(31,31) = intval('5198')/(intval('1267012546107'));
B4(32,31) = intval('-4012')/(intval('164659633215')*sqrt(intval('645')));
B4(33,31) = intval('-37')/(intval('791937837')*sqrt(intval('665')));
B4(34,31) = intval('286')/(intval('12844845405')*sqrt(intval('685')));
B4(29,32) = intval('3782')/(intval('84347542125')*sqrt(intval('1677')));
B4(30,32) = intval('-7817')/(intval('334834182375')*sqrt(intval('129')));
B4(31,32) = intval('-4012')/(intval('164659633215')*sqrt(intval('645')));
B4(32,32) = intval('3322')/(intval('918555805125'));
B4(33,32) = intval('-122')*sqrt(intval('7'))/(intval('7692532875')*sqrt(intval('2451')));
B4(34,32) = intval('-8849')/(intval('41521709565')*sqrt(intval('17673')));
B4(35,32) = intval('4556')/(intval('134373406545')*sqrt(intval('2021')));
B4(30,33) = intval('64')*sqrt(intval('7'))/(intval('40330167625')*sqrt(intval('19')));
B4(31,33) = intval('-37')/(intval('791937837')*sqrt(intval('665')));
B4(32,33) = intval('-122')*sqrt(intval('7'))/(intval('7692532875')*sqrt(intval('2451')));
B4(33,33) = intval('218')/(intval('68115954065'));
B4(34,33) = intval('-8')*sqrt(intval('7'))/(intval('552005835')*sqrt(intval('2603')));
B4(35,33) = intval('-9389')/(intval('48158890065')*sqrt(intval('18753')));
B4(36,33) = intval('46')*sqrt(intval('7'))/(intval('3455676081')*sqrt(intval('2755')));
B4(31,34) = intval('286')/(intval('12844845405')*sqrt(intval('685')));
B4(32,34) = intval('-8849')/(intval('41521709565')*sqrt(intval('17673')));
B4(33,34) = intval('-8')*sqrt(intval('7'))/(intval('552005835')*sqrt(intval('2603')));
B4(34,34) = intval('694')/(intval('244153464555'));
B4(35,34) = intval('-74')/(intval('796142655')*sqrt(intval('19317')));
B4(36,34) = intval('-17')/(intval('95074749')*sqrt(intval('19865')));
B4(37,34) = intval('568')/(intval('6637625991')*sqrt(intval('20413')));
B4(32,35) = intval('4556')/(intval('134373406545')*sqrt(intval('2021')));
B4(33,35) = intval('-9389')/(intval('48158890065')*sqrt(intval('18753')));
B4(34,35) = intval('-74')/(intval('796142655')*sqrt(intval('19317')));
B4(35,35) = intval('794')/(intval('313437173049'));
B4(36,35) = intval('-5092')/(intval('59645132547')*sqrt(intval('20445')));
B4(37,35) = intval('-809')/(intval('4921185885')*sqrt(intval('21009')));
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B4(38,35) = intval('5402')/(intval('205733893365')*sqrt(intval('2397')));
B4(33,36) = intval('46')*sqrt(intval('7'))/(intval('3455676081')*sqrt(intval('2755')));
B4(34,36) = intval('-17')/(intval('95074749')*sqrt(intval('19865')));
B4(35,36) = intval('-5092')/(intval('59645132547')*sqrt(intval('20445')));
B4(36,36) = intval('6998')/(intval('3089792012307'));
B4(37,36) = intval('-46')/(intval('585268299')*sqrt(intval('21605')));
B4(38,36) = intval('-2221')/(intval('43984487547')*sqrt(intval('2465')));
B4(39,36) = intval('76')*sqrt(intval('5'))/(intval('5228925093')*sqrt(intval('4553')));
B4(34,37) = intval('568')/(intval('6637625995')*sqrt(intval('20413')));
B4(35,37) = intval('-809')/(intval('4921185885')*sqrt(intval('21009')));
B4(36,37) = intval('-46')/(intval('585268299')*sqrt(intval('21605')));
B4(37,37) = intval('1478')/(intval('727662830895'));
B4(38,37) = intval('-1136')/(intval('46994267565')*sqrt(intval('2533')));
B4(39,37) = intval('-1301')/(intval('9299766105')*sqrt(intval('23393')));
B4(40,37) = intval('286')*sqrt(intval('7'))/(intval('29797209765')*sqrt(intval('3427')));
B4(35,38) = intval('5402')/(intval('205733893365')*sqrt(intval('2397')));
B4(36,38) = intval('-2221')/(intval('43984487547')*sqrt(intval('2465')));
B4(37,38) = intval('-1136')/(intval('46994267565')*sqrt(intval('2533')));
B4(38,38) = intval('23378')/(intval('12797025205545'));
B4(39,38) = intval('-5986')/(intval('267817633965')*sqrt(intval('2669')));
B4(40,38) = intval('-12329')/(intval('285702658335')*sqrt(intval('2737')));
B4(41,38) = intval('1264')/(intval('60924672837')*sqrt(intval('2805')));
B4(36,39) = intval('76')*sqrt(intval('5'))/(intval('5228925093')*sqrt(intval('4553')));
B4(37,39) = intval('-1301')/(intval('9299766105')*sqrt(intval('23393')));
B4(38,39) = intval('-5986')/(intval('267817633965')*sqrt(intval('2669')));
B4(39,39) = intval('8206')/(intval('4980689018235'));
B4(40,39) = intval('-4')*sqrt(intval('7'))/(intval('450722547')*sqrt(intval('3611')));
B4(41,39) = intval('-2593')/(intval('21601741749')*sqrt(intval('25905')));
B4(42,39) = intval('738')/(intval('166077906995')*sqrt(intval('157')));
B4(37,40) = intval('286')*sqrt(intval('7'))/(intval('29797209765')*sqrt(intval('3427')));
B4(38,40) = intval('-12329')/(intval('285702658335')*sqrt(intval('2737')));
B4(39,40) = intval('-4')*sqrt(intval('7'))/(intval('450722547')*sqrt(intval('3611')));
B4(40,40) = intval('1726')/(intval('1158577888215'));
B4(41,40) = intval('-86')*sqrt(intval('77'))/(intval('114838512087')*sqrt(intval('345')));
B4(42,40) = intval('-1513')/(intval('176393304945')*sqrt(intval('161')));
B4(43,40) = intval('332')*sqrt(intval('7'))/(intval('43266282345')*sqrt(intval('3979')));
B4(38,41) = intval('1264')/(intval('60924672837')*sqrt(intval('2805')));
B4(39,41) = intval('-2593')/(intval('21601741749')*sqrt(intval('25905')));
B4(40,41) = intval('-86')*sqrt(intval('77'))/(intval('114838512087')*sqrt(intval('345')));
B4(41,41) = intval('27194')/(intval('20137701122721'));
B4(42,41) = intval('-632')*sqrt(intval('11'))/(intval('1685448618399')*sqrt(intval('15')));
B4(43,41) = intval('-2857')/(intval('27533088765')*sqrt(intval('28545')));
B4(44,41) = intval('1462')/(intval('87666705945')*sqrt(intval('3245')));
B4(39,42) = intval('738')/(intval('166077906995')*sqrt(intval('157')));
B4(40,42) = intval('-1513')/(intval('176393304945')*sqrt(intval('161')));
B4(41,42) = intval('-632')*sqrt(intval('11'))/(intval('1685448618399')*sqrt(intval('15')));
B4(42,42) = intval('634')/(intval('516720590925'));
B4(43,42) = intval('-18')/(intval('4684855175')*sqrt(intval('173')));
B4(44,42) = intval('-14969')/(intval('2011838508225')*sqrt(intval('177')));
B4(45,42) = intval('2552')/(intval('710769293325')*sqrt(intval('181')));
B4(40,43) = intval('332')*sqrt(intval('7'))/(intval('43266282345')*sqrt(intval('3979')));
B4(41,43) = intval('-2857')/(intval('27533088765')*sqrt(intval('28545')));
B4(42,43) = intval('-18')/(intval('4684855175')*sqrt(intval('173')));
B4(43,43) = intval('3322')/(intval('2973179452425'));
B4(44,43) = intval('-7636')/(intval('163852272675')*sqrt(intval('30621')));
B4(45,43) = intval('-1741')/(intval('19278313425')*sqrt(intval('31313')));
B4(46,43) = intval('178')/(intval('4081140035')*sqrt(intval('32005')));
B4(41,44) = intval('1462')/(intval('87666705945')*sqrt(intval('3245')));
B4(42,44) = intval('-14969')/(intval('2011838508225')*sqrt(intval('177')));
B4(43,44) = intval('-7636')/(intval('163852272675')*sqrt(intval('30621')));
B4(44,44) = intval('31298')/(intval('30694669234425'));
B4(45,44) = intval('-1598')/(intval('36693572475')*sqrt(intval('32037')));
B4(46,44) = intval('-3277')/(intval('38805416265')*sqrt(intval('32745')));
B4(47,44) = intval('1196')*sqrt(intval('7'))/(intval('1846029088035')*sqrt(intval('59')));
B4(42,45) = intval('2552')/(intval('710769293325')*sqrt(intval('181')));
B4(43,45) = intval('-1741')/(intval('19278313425')*sqrt(intval('31313')));
B4(44,45) = intval('-1598')/(intval('36693572475')*sqrt(intval('32037')));
B4(45,45) = intval('2182')/(intval('2340116676975'));
B4(46,45) = intval('-928')/(intval('22768702803')*sqrt(intval('33485')));
B4(47,45) = intval('-17117')/(intval('649339881795')*sqrt(intval('3801')));
B4(48,45) = intval('2914')/(intval('76179539205')*sqrt(intval('34933')));
B4(43,46) = intval('178')/(intval('4081140035')*sqrt(intval('32005')));
B4(44,46) = intval('-3277')/(intval('38805416265')*sqrt(intval('32745')));
B4(45,46) = intval('-928')/(intval('22768702803')*sqrt(intval('33485')));
B4(46,46) = intval('11398')/(intval('13341302111907'));
B4(47,46) = intval('-1246')*sqrt(intval('7'))/(intval('684988376589')*sqrt(intval('555')));
B4(48,46) = intval('-397')/(intval('5353156809')*sqrt(intval('35705')));
B4(49,46) = intval('608')/(intval('16937037117')*sqrt(intval('36445')));
B4(44,47) = intval('1196')*sqrt(intval('7'))/(intval('1846029088035')*sqrt(intval('59')));
B4(45,47) = intval('-17117')/(intval('649339881795')*sqrt(intval('3801')));
B4(46,47) = intval('-1246')*sqrt(intval('7'))/(intval('684988376589')*sqrt(intval('555')));
B4(47,47) = intval('7138')/(intval('9101641136445'));
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B4(48,47) = intval('-4')*sqrt(intval('7'))/(intval('2343070917')*sqrt(intval('579')));
B4(49,47) = intval('-1433')/(intval('61730226855')*sqrt(intval('4137')));
B4(50,47) = intval('1358')*sqrt(intval('7'))/(intval('2536221031695')*sqrt(intval('67')));
B4(45,48) = intval('2914')/(intval('76179539205')*sqrt(intval('34933')));
B4(46,48) = intval('-397')/(intval('5353156809')*sqrt(intval('35705')));
B4(47,48) = intval('-4')*sqrt(intval('7'))/(intval('2343070917')*sqrt(intval('579')));
B4(48,48) = intval('12406')/(intval('17201623474035'));
B4(49,48) = intval('-1054')/(intval('31285017855')*sqrt(intval('38021')));
B4(50,48) = intval('-1493')/(intval('22800268785')*sqrt(intval('38793')));
B4(51,48) = intval('44')*sqrt(intval('5'))/(intval('6931600039')*sqrt(intval('7913')));
B4(46,49) = intval('608')/(intval('16937037117')*sqrt(intval('36445')));
B4(47,49) = intval('-1433')/(intval('61730226855')*sqrt(intval('4137')));
B4(48,49) = intval('-1054')/(intval('31285017855')*sqrt(intval('38021')));
B4(49,49) = intval('12926')/(intval('19455804992715'));
B4(50,49) = intval('-152')/(intval('4794921915')*sqrt(intval('39597')));
B4(51,49) = intval('-449')/(intval('7283457909')*sqrt(intval('40385')));
B4(52,49) = intval('3434')/(intval('114854528565')*sqrt(intval('41173')));
B4(47,50) = intval('1358')*sqrt(intval('7'))/(intval('2536221031695')*sqrt(intval('67')));
B4(48,50) = intval('-1493')/(intval('22800268785')*sqrt(intval('38793')));
B4(49,50) = intval('-152')/(intval('4794921915')*sqrt(intval('39597')));
B4(50,50) = intval('8074')/(intval('13170557357685'));
B4(51,50) = intval('-10282')/(intval('344295995967')*sqrt(intval('41205')));
B4(52,50) = intval('-21017')/(intval('361706052645')*sqrt(intval('42009')));
B4(53,50) = intval('10712')/(intval('1139646708585')*sqrt(intval('4757')));
B4(48,51) = intval('44')*sqrt(intval('5'))/(intval('6931600039')*sqrt(intval('7913')));
B4(49,51) = intval('-449')/(intval('7283457909')*sqrt(intval('40385')));
B4(50,51) = intval('-10282')/(intval('344295995967')*sqrt(intval('41205')));
B4(51,51) = intval('4666')/(intval('8235723341769'));
B4(52,51) = intval('-12')*sqrt(intval('11'))/(intval('4686401363')*sqrt(intval('3895')));
B4(53,51) = intval('-4369')/(intval('79682615397')*sqrt(intval('43665')));
B4(54,51) = intval('106')*sqrt(intval('7'))/(intval('27869289129')*sqrt(intval('6355')));
B4(49,52) = intval('3434')/(intval('114854528565')*sqrt(intval('41173')));
B4(50,52) = intval('-21017')/(intval('361706052645')*sqrt(intval('42009')));
B4(51,52) = intval('-12')*sqrt(intval('11'))/(intval('4686401363')*sqrt(intval('3895')));
B4(52,52) = intval('194')/(intval('369945922521'));
B4(53,52) = intval('-202')*sqrt(intval('11'))/(intval('83547767835')*sqrt(intval('4047')));
B4(54,52) = intval('-2521')/(intval('48671246565')*sqrt(intval('45353')));
B4(55,52) = intval('1284')/(intval('51022514515')*sqrt(intval('46189')));
B4(50,53) = intval('10712')/(intval('1139646708585')*sqrt(intval('4757')));
B4(51,53) = intval('-4369')/(intval('79682615397')*sqrt(intval('43665')));
B4(52,53) = intval('-202')*sqrt(intval('11'))/(intval('83547767835')*sqrt(intval('4047')));
B4(53,53) = intval('45338')/(intval('93269875160385'));
B4(54,53) = intval('-1648')*sqrt(intval('7'))/(intval('458884712715')*sqrt(intval('6603')));
B4(55,53) = intval('-23549')/(intval('480761439585')*sqrt(intval('47073')));
B4(56,53) = intval('2398')/(intval('1510639025805')*sqrt(intval('213')));
B4(51,54) = intval('106')*sqrt(intval('7'))/(intval('27869289129')*sqrt(intval('6355')));
B4(52,54) = intval('-2521')/(intval('48671246565')*sqrt(intval('45353')));
B4(53,54) = intval('-1648')*sqrt(intval('7'))/(intval('458884712715')*sqrt(intval('6603')));
B4(54,54) = intval('15686')/(intval('34763261513955'));
B4(55,54) = intval('-38')*sqrt(intval('7'))/(intval('11182452075')*sqrt(intval('6851')));
B4(56,54) = intval('-977')/(intval('316050745491')*sqrt(intval('217')));
B4(57,54) = intval('592')*sqrt(intval('7'))/(intval('183750433425')*sqrt(intval('7099')));
B4(52,55) = intval('1284')/(intval('51022514515')*sqrt(intval('46189')));
B4(53,55) = intval('-23549')/(intval('480761439585')*sqrt(intval('47073')));
B4(54,55) = intval('-38')*sqrt(intval('7'))/(intval('11182452075')*sqrt(intval('6851')));
B4(55,55) = intval('3254')/(intval('7758259250175'));
B4(56,55) = intval('-12412')/(intval('8263448224605')*sqrt(intval('221')));
B4(57,55) = intval('-2813')/(intval('64021644225')*sqrt(intval('50609')));
B4(58,55) = intval('4294')/(intval('200835020925')*sqrt(intval('51493')));
B4(53,56) = intval('2398')/(intval('1510639025805')*sqrt(intval('213')));
B4(54,56) = intval('-977')/(intval('316050745491')*sqrt(intval('217')));
B4(55,56) = intval('-12412')/(intval('8263448224605')*sqrt(intval('221')));
B4(56,56) = intval('50594')/(intval('129602855703321'));
B4(57,56) = intval('-12862')/(intval('9031963085145')*sqrt(intval('229')));
B4(58,56) = intval('-1049')/(intval('377569839339')*sqrt(intval('233')));
B4(59,56) = intval('2668')/(intval('1972506111345')*sqrt(intval('237')));
B4(54,57) = intval('592')*sqrt(intval('7'))/(intval('183750433425')*sqrt(intval('7099')));
B4(55,57) = intval('-2813')/(intval('64021644225')*sqrt(intval('50609')));
B4(56,57) = intval('-12862')/(intval('9031963085145')*sqrt(intval('229')));
B4(57,57) = intval('3494')/(intval('9604123642575'));
B4(58,57) = intval('-296')/(intval('14602393575')*sqrt(intval('53357')));
B4(59,57) = intval('-27149')/(intval('686213916465')*sqrt(intval('54273')));
B4(60,57) = intval('1534')/(intval('79604844935')*sqrt(intval('55189')));
B4(55,58) = intval('4294')/(intval('200835020925')*sqrt(intval('51493')));
B4(56,58) = intval('-1049')/(intval('377569839339')*sqrt(intval('233')));
B4(57,58) = intval('-296')/(intval('14602393575')*sqrt(intval('53357')));
B4(58,58) = intval('18086')/(intval('53280240183555'));
B4(59,58) = intval('-13786')/(intval('716028432735')*sqrt(intval('55221')));
B4(60,58) = intval('-3121')/(intval('83021361885')*sqrt(intval('56153')));
B4(61,58) = intval('136')/(intval('51969216141')*sqrt(intval('1165')));
B4(56,59) = intval('2668')/(intval('1972506111345')*sqrt(intval('237')));
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B4(57,59) = intval('-27149')/(intval('686213916465')*sqrt(intval('54273')));
B4(58,59) = intval('-13786')/(intval('716028432735')*sqrt(intval('55221')));
B4(59,59) = intval('56138')/(intval('177034121541585'));
B4(60,59) = intval('-2852')/(intval('155820300615')*sqrt(intval('57117')));
B4(61,59) = intval('-5809')/(intval('1137402211491')*sqrt(intval('1185')));
B4(62,59) = intval('14762')/(intval('2541004940565')*sqrt(intval('6557')));
B4(57,60) = intval('1534')/(intval('79604844935')*sqrt(intval('55189')));
B4(58,60) = intval('-3121')/(intval('83021361885')*sqrt(intval('56153')));
B4(59,60) = intval('-2852')/(intval('155820300615')*sqrt(intval('57117')));
B4(60,60) = intval('86')/(intval('289987746867'));
B4(61,60) = intval('-2')/(intval('803934099')*sqrt(intval('1205')));
B4(62,60) = intval('-2309')/(intval('67857457185')*sqrt(intval('60009')));
B4(63,60) = intval('5084')/(intval('306352285785')*sqrt(intval('60973')));
B4(58,61) = intval('136')/(intval('51969216141')*sqrt(intval('1165')));
B4(59,61) = intval('-5809')/(intval('1137402211491')*sqrt(intval('1185')));
B4(60,61) = intval('-2')/(intval('803934099')*sqrt(intval('1205')));
B4(61,61) = intval('2222')/(intval('8002533019923'));
B4(62,61) = intval('-2176')/(intval('918574768683')*sqrt(intval('1245')));
B4(63,61) = intval('-53')/(intval('11446129359')*sqrt(intval('1265')));
B4(64,61) = intval('10')*sqrt(intval('5'))/(intval('22131875051')*sqrt(intval('257')));
B4(59,62) = intval('14762')/(intval('2541004940565')*sqrt(intval('6557')));
B4(60,62) = intval('-2309')/(intval('67857457185')*sqrt(intval('60009')));
B4(61,62) = intval('-2176')/(intval('918574768683')*sqrt(intval('1245')));
B4(62,62) = intval('12394')/(intval('47624861969685'));
B4(63,62) = intval('-22')*sqrt(intval('11'))/(intval('15314284335')*sqrt(intval('5727')));
B4(64,62) = intval('-32009')/(intval('1035931741845')*sqrt(intval('63993')));
B4(65,62) = intval('16256')/(intval('3233616894585')*sqrt(intval('7221')));
B4(60,63) = intval('5084')/(intval('306352285785')*sqrt(intval('60973')));
B4(61,63) = intval('-53')/(intval('11446129359')*sqrt(intval('1265')));
B4(62,63) = intval('-22')*sqrt(intval('11'))/(intval('15314284335')*sqrt(intval('5727')));
B4(63,63) = intval('21326')/(intval('87341739072315'));
B4(64,63) = intval('-164')*sqrt(intval('11'))/(intval('119704647195')*sqrt(intval('5911')));
B4(65,63) = intval('-33029')/(intval('3361427839035')*sqrt(intval('7337')));
B4(66,63) = intval('1118')/(intval('776674428153')*sqrt(intval('67045')));
B4(61,64) = intval('10')*sqrt(intval('5'))/(intval('22131875051')*sqrt(intval('257')));
B4(62,64) = intval('-32009')/(intval('1035931741845')*sqrt(intval('63993')));
B4(63,64) = intval('-164')*sqrt(intval('11'))/(intval('119704647195')*sqrt(intval('5911')));
B4(64,64) = intval('22006')/(intval('95964186984435'));
B4(65,64) = intval('-670')/(intval('139747270509')*sqrt(intval('7453')));
B4(66,64) = intval('-757')/(intval('26898926481')*sqrt(intval('68105')));
B4(67,64) = intval('5764')/(intval('419306795145')*sqrt(intval('69133')));
B4(62,65) = intval('16256')/(intval('3233616894585')*sqrt(intval('7221')));
B4(63,65) = intval('-33029')/(intval('3361427839035')*sqrt(intval('7337')));
B4(64,65) = intval('-670')/(intval('139747270509')*sqrt(intval('7453')));
B4(65,65) = intval('13618')/(intval('63170737516845'));
B4(66,65) = intval('-17272')/(intval('3772015181361')*sqrt(intval('7685')));
B4(67,65) = intval('-35117')/(intval('3918349706355')*sqrt(intval('7801')));
B4(68,65) = intval('2546')*sqrt(intval('7'))/(intval('4069637339805')*sqrt(intval('1131')));
B4(63,66) = intval('1118')/(intval('776674428153')*sqrt(intval('67045')));
B4(64,66) = intval('-757')/(intval('26898926481')*sqrt(intval('68105')));
B4(65,66) = intval('-17272')/(intval('3772015181361')*sqrt(intval('7685')));
B4(66,66) = intval('23398')/(intval('115347343619907'));
B4(67,66) = intval('-1978')/(intval('150659647047')*sqrt(intval('71285')));
B4(68,66) = intval('-7237')/(intval('281547237345')*sqrt(intval('72345')));
B4(69,66) = intval('408')/(intval('32472495055')*sqrt(intval('73405')));
B4(64,67) = intval('5764')/(intval('419306795145')*sqrt(intval('69133')));
B4(65,67) = intval('-35117')/(intval('3918349706355')*sqrt(intval('7801')));
B4(66,67) = intval('-1978')/(intval('150659647047')*sqrt(intval('71285')));
B4(67,67) = intval('4822')/(intval('25239820180575'));
B4(68,67) = intval('-524')*sqrt(intval('7'))/(intval('292125107175')*sqrt(intval('10491')));
B4(69,67) = intval('-4141')/(intval('168398255025')*sqrt(intval('74513')));
B4(70,67) = intval('6302')/(intval('524115917325')*sqrt(intval('75589')));
B4(65,68) = intval('2546')*sqrt(intval('7'))/(intval('4069637339805')*sqrt(intval('1131')));
B4(66,68) = intval('-7237')/(intval('281547237345')*sqrt(intval('72345')));
B4(67,68) = intval('-524')*sqrt(intval('7'))/(intval('292125107175')*sqrt(intval('10491')));
B4(68,68) = intval('74498')/(intval('413665687143225'));
B4(69,68) = intval('-2698')*sqrt(intval('7'))/(intval('1571682392775')*sqrt(intval('10803')));
B4(70,68) = intval('-38369')/(intval('1629942907725')*sqrt(intval('76713')));
B4(71,68) = intval('556')*sqrt(intval('7'))/(intval('1014053041485')*sqrt(intval('1235')));
B4(66,69) = intval('408')/(intval('32472495055')*sqrt(intval('73405')));
B4(67,69) = intval('-4141')/(intval('168398255025')*sqrt(intval('74513')));
B4(68,69) = intval('-2698')*sqrt(intval('7'))/(intval('1571682392775')*sqrt(intval('10803')));
B4(69,69) = intval('8522')/(intval('50155559679225'));
B4(70,69) = intval('-48')/(intval('4171342175')*sqrt(intval('77837')));
B4(71,69) = intval('-7897')/(intval('350220484845')*sqrt(intval('78945')));
B4(72,69) = intval('6674')/(intval('102283746964085')*sqrt(intval('277')));
B4(67,70) = intval('6302')/(intval('524115917325')*sqrt(intval('75589')));
B4(68,70) = intval('-38369')/(intval('1629942907725')*sqrt(intval('76713')));
B4(69,70) = intval('-48')/(intval('4171342175')*sqrt(intval('77837')));
B4(70,70) = intval('1754')/(intval('10932446095725'));
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B4(71,70) = intval('-20002')/(intval('1814053734927')*sqrt(intval('80085')));
B4(72,70) = intval('-4513')/(intval('3549905535645')*sqrt(intval('281')));
B4(73,70) = intval('2288')/(intval('216302487835')*sqrt(intval('82333')));
B4(68,71) = intval('556')*sqrt(intval('7'))/(intval('1014053041485')*sqrt(intval('1235')));
B4(69,71) = intval('-7897')/(intval('350220484845')*sqrt(intval('78945')));
B4(70,71) = intval('-20002')/(intval('1814053734927')*sqrt(intval('80085')));
B4(71,71) = intval('81194')/(intval('535512591908721'));
B4(72,71) = intval('-20572')/(intval('33081423029571')*sqrt(intval('285')));
B4(73,71) = intval('-8353')/(intval('403005687861')*sqrt(intval('83505')));
B4(74,71) = intval('4234')/(intval('3755215543779')*sqrt(intval('1045')));
B4(69,72) = intval('6674')/(intval('10283746964085')*sqrt(intval('277')));
B4(70,72) = intval('-4513')/(intval('3549905535645')*sqrt(intval('281')));
B4(71,72) = intval('-20572')/(intval('33081423029571')*sqrt(intval('285')));
B4(72,72) = intval('5566')/(intval('38815444019415'));
B4(73,72) = intval('-94')/(intval('157566763431')*sqrt(intval('293')));
B4(74,72) = intval('-42929')/(intval('110079357606855')*sqrt(intval('33')));
B4(75,72) = intval('1036')*sqrt(intval('7'))/(intval('12657208365945')*sqrt(intval('43')));
B4(70,73) = intval('2288')/(intval('216302487835')*sqrt(intval('82333')));
B4(71,73) = intval('-8353')/(intval('403005687861')*sqrt(intval('83505')));
B4(72,73) = intval('-94')/(intval('157566763431')*sqrt(intval('293')));
B4(73,73) = intval('28606')/(intval('210766278557835'));
B4(74,73) = intval('-152')*sqrt(intval('11'))/(intval('515262378645')*sqrt(intval('879')));
B4(75,73) = intval('-377')/(intval('19742375565')*sqrt(intval('88193')));
B4(76,73) = intval('298')*sqrt(intval('5'))/(intval('159282300177')*sqrt(intval('17873')));
B4(71,74) = intval('4234')/(intval('3755215543779')*sqrt(intval('1045')));
B4(72,74) = intval('-42929')/(intval('110079357606855')*sqrt(intval('33')));
B4(73,74) = intval('-152')*sqrt(intval('11'))/(intval('515262378645')*sqrt(intval('879')));
B4(74,74) = intval('88178')/(intval('685903371716745'));
B4(75,74) = intval('-58')*sqrt(intval('77'))/(intval('1433027560185')*sqrt(intval('129')));
B4(76,74) = intval('-697')/(intval('113985235791')*sqrt(intval('10065')));
B4(77,74) = intval('22952')/(intval('22980582707355')*sqrt(intval('1133')));
B4(72,75) = intval('1036')*sqrt(intval('7'))/(intval('12657208365945')*sqrt(intval('43')));
B4(73,75) = intval('-377')/(intval('19742375565')*sqrt(intval('88193')));
B4(74,75) = intval('-58')*sqrt(intval('77'))/(intval('1433027560185')*sqrt(intval('129')));
B4(75,75) = intval('6038')/(intval('49549495604895'));
B4(76,75) = intval('-28')*sqrt(intval('7'))/(intval('21816308151')*sqrt(intval('13115')));
B4(77,75) = intval('-46517')/(intval('2638228579545')*sqrt(intval('93009')));
B4(78,75) = intval('374')*sqrt(intval('7'))/(intval('302940405455')*sqrt(intval('13459')));
B4(73,76) = intval('298')*sqrt(intval('5'))/(intval('159282300177')*sqrt(intval('17873')));
B4(74,76) = intval('-697')/(intval('113985235791')*sqrt(intval('10065')));
B4(75,76) = intval('-28')*sqrt(intval('7'))/(intval('21816308151')*sqrt(intval('13115')));
B4(76,76) = intval('30998')/(intval('268173772628307'));
B4(77,76) = intval('-23542')/(intval('2725537904103')*sqrt(intval('94245')));
B4(78,76) = intval('-1061')/(intval('62574575553')*sqrt(intval('95465')));
B4(79,76) = intval('1612')/(intval('193919229189')*sqrt(intval('96685')));
B4(74,77) = intval('22952')/(intval('22980582707355')*sqrt(intval('1133')));
B4(75,77) = intval('-46517')/(intval('2638228579545')*sqrt(intval('93009')));
B4(76,77) = intval('-23542')/(intval('2725537904103')*sqrt(intval('94245')));
B4(77,77) = intval('3818')/(intval('34798146729129'));
B4(78,77) = intval('-4832')/(intval('581565205935')*sqrt(intval('96717')));
B4(79,77) = intval('-48989')/(intval('3002923985985')*sqrt(intval('97953')));
B4(80,77) = intval('24806')/(intval('9302217298605')*sqrt(intval('11021')));
B4(75,78) = intval('374')*sqrt(intval('7'))/(intval('302940405455')*sqrt(intval('13459')));
B4(76,78) = intval('-1061')/(intval('62574575553')*sqrt(intval('95465')));
B4(77,78) = intval('-4832')/(intval('581565205935')*sqrt(intval('96717')));
B4(78,78) = intval('10882')/(intval('104417967056865'));
B4(79,78) = intval('-306')/(intval('38268383615')*sqrt(intval('99221')));
B4(80,78) = intval('-50249')/(intval('3199804246485')*sqrt(intval('100473')));
B4(81,78) = intval('1696')/(intval('1100897280945')*sqrt(intval('4069')));
B4(76,79) = intval('1612')/(intval('193919229189')*sqrt(intval('96685')));
B4(77,79) = intval('-48989')/(intval('3002923985985')*sqrt(intval('97953')));
B4(78,79) = intval('-306')/(intval('38268383615')*sqrt(intval('99221')));
B4(79,79) = intval('11162')/(intval('112686271313385'));
B4(80,79) = intval('-5084')/(intval('660330645975')*sqrt(intval('101757')));
B4(81,79) = intval('-229')/(intval('75708393453')*sqrt(intval('4121')));
B4(82,79) = intval('414')*sqrt(intval('7'))/(intval('390559172575')*sqrt(intval('14899')));
B4(77,80) = intval('24806')/(intval('9302217298605')*sqrt(intval('11021')));
B4(78,80) = intval('-50249')/(intval('3199804246485')*sqrt(intval('100473')));
B4(79,80) = intval('-5084')/(intval('660330645975')*sqrt(intval('101757')));
B4(80,80) = intval('20602')/(intval('218687586041925'));
B4(81,80) = intval('-26062')/(intval('17569771870035')*sqrt(intval('4173')));
B4(82,80) = intval('-52817')/(intval('3624535124925')*sqrt(intval('105609')));
B4(83,80) = intval('26732')/(intval('11214470747025')*sqrt(intval('11877')));
B4(78,81) = intval('1696')/(intval('1100897280945')*sqrt(intval('4069')));
B4(79,81) = intval('-229')/(intval('75708393453')*sqrt(intval('4121')));
B4(80,81) = intval('-26062')/(intval('17569771870035')*sqrt(intval('4173')));
B4(81,81) = intval('35198')/(intval('392598492316107'));
B4(82,81) = intval('-424')*sqrt(intval('7'))/(intval('2076132321135')*sqrt(intval('611')));
B4(83,81) = intval('-2165')/(intval('2311906277079')*sqrt(intval('481')));
B4(84,81) = intval('1826')/(intval('1324156846005')*sqrt(intval('4381')));
B4(79,82) = intval('414')*sqrt(intval('7'))/(intval('390559172575')*sqrt(intval('14899')));
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B4(80,82) = intval('-52817')/(intval('3624535124925')*sqrt(intval('105609')));
B4(81,82) = intval('-424')*sqrt(intval('7'))/(intval('2076132321135')*sqrt(intval('611')));
B4(82,82) = intval('7214')/(intval('84500525780775'));
B4(83,82) = intval('-782')*sqrt(intval('7'))/(intval('2382786142425')*sqrt(intval('1739')));
B4(84,82) = intval('-6161')/(intval('454801591485')*sqrt(intval('110873')));
B4(85,82) = intval('1336')*sqrt(intval('7'))/(intval('1406129691105')*sqrt(intval('16027')));
B4(80,83) = intval('26732')/(intval('112144707047025')*sqrt(intval('11877')));
B4(81,83) = intval('-2165')/(intval('2311906277079')*sqrt(intval('481')));
B4(82,83) = intval('-782')*sqrt(intval('7'))/(intval('2382786142425')*sqrt(intval('1739')));
B4(83,83) = intval('110858')/(intval('1362843698722065'));
B4(84,83) = intval('-28036')/(intval('12651558578505')*sqrt(intval('12469')));
B4(85,83) = intval('-56789')/(intval('13035202271595')*sqrt(intval('12617')));
B4(86,83) = intval('5746')/(intval('2685803005809')*sqrt(intval('12765')));
B4(81,84) = intval('1826')/(intval('1324156846005')*sqrt(intval('4381')));
B4(82,84) = intval('-6161')/(intval('454801591485')*sqrt(intval('110873')));
B4(83,84) = intval('-28036')/(intval('12651558578505')*sqrt(intval('12469')));
B4(84,84) = intval('37846')/(intval('488027142613395'));
B4(85,84) = intval('-58')*sqrt(intval('11'))/(intval('99446485635')*sqrt(intval('10447')));
B4(86,84) = intval('-11629')/(intval('921833474793')*sqrt(intval('116265')));
B4(87,84) = intval('3268')/(intval('527417162195')*sqrt(intval('117613')));
B4(82,85) = intval('1336')*sqrt(intval('7'))/(intval('1406129691105')*sqrt(intval('16027')));
B4(83,85) = intval('-56789')/(intval('13035202271595')*sqrt(intval('12617')));
B4(84,85) = intval('-58')*sqrt(intval('11'))/(intval('99446485635')*sqrt(intval('10447')));
B4(85,85) = intval('1550')/(intval('20953464114723'));
B4(86,85) = intval('-2672')*sqrt(intval('11'))/(intval('4745463319947')*sqrt(intval('10695')));
B4(87,85) = intval('-6613')/(intval('542883941145')*sqrt(intval('119009')));
B4(88,85) = intval('10034')/(intval('1676694650085')*sqrt(intval('120373')));
B4(83,86) = intval('5746')/(intval('2685803005809')*sqrt(intval('12765')));
B4(84,86) = intval('-11629')/(intval('921833474793')*sqrt(intval('116265')));
B4(85,86) = intval('-2672')*sqrt(intval('11'))/(intval('4745463319947')*sqrt(intval('10695')));
B4(86,86) = intval('118994')/(intval('1685428042218921'));
B4(87,86) = intval('-2314')/(intval('386826700491')*sqrt(intval('120405')));
B4(88,86) = intval('-937')/(intval('79628976693')*sqrt(intval('121785')));
B4(89,86) = intval('176')*sqrt(intval('35'))/(intval('3196070326917')*sqrt(intval('391')));
B4(84,87) = intval('3268')/(intval('527417162195')*sqrt(intval('117613')));
B4(85,87) = intval('-6613')/(intval('542883941145')*sqrt(intval('119009')));
B4(86,87) = intval('-2314')/(intval('386826700491')*sqrt(intval('120405')));
B4(87,87) = intval('902')/(intval('13378859603655'));
B4(88,87) = intval('-76')/(intval('13149136455')*sqrt(intval('123197')));
B4(89,87) = intval('-4793')/(intval('421493368365')*sqrt(intval('124593')));
B4(90,87) = intval('10502')/(intval('35703039124935')*sqrt(intval('349')));
B4(85,88) = intval('10034')/(intval('1676694650085')*sqrt(intval('120373')));
B4(86,88) = intval('-937')/(intval('79628976693')*sqrt(intval('121785')));
B4(87,88) = intval('-76')/(intval('13149136455')*sqrt(intval('123197')));
B4(88,88) = intval('1538')/(intval('23876354428745'));
B4(89,88) = intval('-346')*sqrt(intval('7'))/(intval('433530038835')*sqrt(intval('18003')));
B4(90,88) = intval('-7081')/(intval('12238152221295')*sqrt(intval('353')));
B4(91,88) = intval('716')/(intval('132492816071')*sqrt(intval('128845')));
B4(86,89) = intval('176')*sqrt(intval('35'))/(intval('3196070326917')*sqrt(intval('391')));
B4(87,89) = intval('-4793')/(intval('421493368365')*sqrt(intval('124593')));
B4(88,89) = intval('-346')*sqrt(intval('7'))/(intval('433530038835')*sqrt(intval('18003')));
B4(89,89) = intval('127418')/(intval('2069276141551905'));
B4(90,89) = intval('-184')*sqrt(intval('7'))/(intval('4530129204777')*sqrt(intval('51')));
B4(91,89) = intval('-13033')/(intval('1225836894909')*sqrt(intval('130305')));
B4(92,89) = intval('4706')*sqrt(intval('7'))/(intval('18905512675005')*sqrt(intval('2091')));
B4(87,90) = intval('10502')/(intval('35703039124935')*sqrt(intval('349')));
B4(88,90) = intval('-7081')/(intval('12238152221295')*sqrt(intval('353')));
B4(89,90) = intval('-184')*sqrt(intval('7'))/(intval('4530129204777')*sqrt(intval('51')));
B4(90,90) = intval('8686')/(intval('147490929447015'));
B4(91,90) = intval('-3658')/(intval('13300648354917')*sqrt(intval('365')));
B4(92,90) = intval('-66617')/(intval('369555010654045')*sqrt(intval('41')));
B4(93,90) = intval('11224')/(intval('42159764447955')*sqrt(intval('373')));
B4(88,91) = intval('716')/(intval('132492816071')*sqrt(intval('128845')));
B4(89,91) = intval('-13033')/(intval('1225836894909')*sqrt(intval('130305')));
B4(90,91) = intval('-3658')/(intval('13300648354917')*sqrt(intval('365')));
B4(91,91) = intval('44398')/(intval('787867817258907'));
B4(92,91) = intval('-33652')/(intval('19965669939369')*sqrt(intval('14965')));
B4(93,91) = intval('-1513')/(intval('151981847325')*sqrt(intval('136145')));
B4(94,91) = intval('2294')/(intval('468506025225')*sqrt(intval('137605')));
B4(89,92) = intval('4706')*sqrt(intval('7'))/(intval('18905512675005')*sqrt(intval('2091')));
B4(90,92) = intval('-66617')/(intval('369555010654045')*sqrt(intval('41')));
B4(91,92) = intval('-33652')/(intval('19965669939369')*sqrt(intval('14965')));
B4(92,92) = intval('27226')/(intval('504672404977125'));
B4(93,92) = intval('-6878')/(intval('4215573896625')*sqrt(intval('15293')));
B4(94,92) = intval('-69569')/(intval('21654119946375')*sqrt(intval('15457')));
B4(95,92) = intval('35156')/(intval('22244150462625')*sqrt(intval('15621')));
B4(90,93) = intval('11224')/(intval('42159764447955')*sqrt(intval('373')));
B4(91,93) = intval('-1513')/(intval('151981847325')*sqrt(intval('136145')));
B4(92,93) = intval('-6878')/(intval('4215573896625')*sqrt(intval('15293')));
B4(93,93) = intval('46366')/(intval('897339764104875'));
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B4(94,93) = intval('-3904')/(intval('823669945875')*sqrt(intval('140621')));
B4(95,93) = intval('-71069')/(intval('7613502794625')*sqrt(intval('142113')));
B4(96,93) = intval('114')*sqrt(intval('7'))/(intval('173749300075')*sqrt(intval('20515')));
B4(91,94) = intval('2294')/(intval('468506025225')*sqrt(intval('137605')));
B4(92,94) = intval('-69569')/(intval('21654119946375')*sqrt(intval('15457')));
B4(93,94) = intval('-3904')/(intval('823669945875')*sqrt(intval('140621')));
B4(94,94) = intval('47366')/(intval('956655811363875'));
B4(95,94) = intval('-7178')/(intval('1563395323875')*sqrt(intval('143637')));
B4(96,94) = intval('-1613')/(intval('178358034825')*sqrt(intval('145145')));
B4(97,94) = intval('12224')/(intval('2746713736305')*sqrt(intval('146653')));
B4(92,95) = intval('35156')/(intval('22244150462625')*sqrt(intval('15621')));
B4(93,95) = intval('-71069')/(intval('7613502794625')*sqrt(intval('142113')));
B4(94,95) = intval('-7178')/(intval('1563395323875')*sqrt(intval('143637')));
B4(95,95) = intval('29026')/(intval('611522290504125'));
B4(96,95) = intval('-476')*sqrt(intval('77'))/(intval('8238343584627')*sqrt(intval('1905')));
B4(97,95) = intval('-74117')/(intval('8456417881065')*sqrt(intval('148209')));
B4(98,95) = intval('37442')/(intval('26038627090245')*sqrt(intval('16637')));
B4(93,96) = intval('114')*sqrt(intval('7'))/(intval('173749300075')*sqrt(intval('20515')));
B4(94,96) = intval('-1613')/(intval('178358034825')*sqrt(intval('145145')));
B4(95,96) = intval('-476')*sqrt(intval('77'))/(intval('8238343584627')*sqrt(intval('1905')));
B4(96,96) = intval('16466')/(intval('361707716517969'));
B4(97,96) = intval('-6')*sqrt(intval('77'))/(intval('107131948423')*sqrt(intval('1945')));
B4(98,96) = intval('-15133')/(intval('1780997004441')*sqrt(intval('151305')));
B4(99,96) = intval('364')*sqrt(intval('7'))/(intval('609166077237')*sqrt(intval('21835')));
B4(94,97) = intval('12224')/(intval('2746713736305')*sqrt(intval('146653')));
B4(95,97) = intval('-74117')/(intval('8456417881065')*sqrt(intval('148209')));
B4(96,97) = intval('-6')*sqrt(intval('77'))/(intval('107131948423')*sqrt(intval('1945')));
B4(97,97) = intval('3362')/(intval('76970508928005'));
B4(98,97) = intval('-1528')/(intval('365423140467')*sqrt(intval('152877')));
B4(99,97) = intval('-8581')/(intval('1041376455945')*sqrt(intval('154433')));
B4(100,97) = intval('4334')/(intval('1068285408295')*sqrt(intval('155989')));
B4(95,98) = intval('37442')/(intval('26038627090245')*sqrt(intval('16637')));
B4(96,98) = intval('-15133')/(intval('1780997004441')*sqrt(intval('151305')));
B4(97,98) = intval('-1528')/(intval('365423140467')*sqrt(intval('152877')));
B4(98,98) = intval('154418')/(intval('3682966951624905'));
B4(99,98) = intval('-38986')/(intval('9612596720895')*sqrt(intval('156021')));
B4(100,98) = intval('-78809')/(intval('9859214188005')*sqrt(intval('157593')));
B4(101,98) = intval('1592')*sqrt(intval('5'))/(intval('18200462406399')*sqrt(intval('393')));
B4(96,99) = intval('364')*sqrt(intval('7'))/(intval('609166077237')*sqrt(intval('21835')));
B4(97,99) = intval('-8581')/(intval('1041376455945')*sqrt(intval('154433')));
B4(98,99) = intval('-38986')/(intval('9612596720895')*sqrt(intval('156021')));
B4(99,99) = intval('52526')/(intval('1304570227985115'));
B4(100,99) = intval('-68')/(intval('17280915435')*sqrt(intval('159197')));
B4(101,99) = intval('-1237')/(intval('1435300949313')*sqrt(intval('1985')));
B4(102,99) = intval('13534')/(intval('3542831457165')*sqrt(intval('162373')));
B4(97,100) = intval('4334')/(intval('1068285408295')*sqrt(intval('155989')));
B4(98,100) = intval('-78809')/(intval('9859214188005')*sqrt(intval('157593')));
B4(99,100) = intval('-68')/(intval('17280915435')*sqrt(intval('159197')));
B4(100,100) = intval('10718')/(intval('277091827907895'));
B4(101,100) = intval('-40582')/(intval('95637601362303')*sqrt(intval('2005')));
B4(102,100) = intval('-701')/(intval('93107214585')*sqrt(intval('164009')));
B4(103,100) = intval('1972')*sqrt(intval('7'))/(intval('3722188420665')*sqrt(intval('23659')));
B4(98,101) = intval('1592')*sqrt(intval('5'))/(intval('18200462406399')*sqrt(intval('393')));
B4(99,101) = intval('-1237')/(intval('1435300949313')*sqrt(intval('1985')));
B4(100,101) = intval('-40582')/(intval('95637601362303')*sqrt(intval('2005')));
B4(101,101) = intval('163994')/(intval('4411455000873921'));
B4(102,101) = intval('-3184')/(intval('7729205578479')*sqrt(intval('2045')));
B4(103,101) = intval('-16729')/(intval('20596109261013')*sqrt(intval('2065')));
B4(104,101) = intval('8446')/(intval('21107178969723')*sqrt(intval('2085')));
B4(99,102) = intval('13534')/(intval('3542831457165')*sqrt(intval('162373')));
B4(100,102) = intval('-701')/(intval('93107214585')*sqrt(intval('164009')));
B4(101,102) = intval('-3184')/(intval('7729205578479')*sqrt(intval('2045')));
B4(102,102) = intval('2230')/(intval('62392614607323'));
B4(103,102) = intval('-134')*sqrt(intval('7'))/(intval('260533091115')*sqrt(intval('24131')));
B4(104,102) = intval('-85289')/(intval('12012914952885')*sqrt(intval('170553')));
B4(105,102) = intval('4784')/(intval('1367563618715')*sqrt(intval('172189')));
B4(100,103) = intval('1972')*sqrt(intval('7'))/(intval('3722188420665')*sqrt(intval('23659')));
B4(101,103) = intval('-16729')/(intval('20596109261013')*sqrt(intval('2065')));
B4(102,103) = intval('-134')*sqrt(intval('7'))/(intval('260533091115')*sqrt(intval('24131')));
B4(103,103) = intval('56846')/(intval('1653622828054395'));
B4(104,103) = intval('-6148')*sqrt(intval('7'))/(intval('12305785632915')*sqrt(intval('24603')));
B4(105,103) = intval('-9661')/(intval('1400676539265')*sqrt(intval('173873')));
B4(106,103) = intval('418')*sqrt(intval('7'))/(intval('4304268781245')*sqrt(intval('1003')));
B4(101,104) = intval('8446')/(intval('21107178969723')*sqrt(intval('2085')));
B4(102,104) = intval('-85289')/(intval('12012914952885')*sqrt(intval('170553')));
B4(103,104) = intval('-6148')*sqrt(intval('7'))/(intval('12305785632915')*sqrt(intval('24603')));
B4(104,104) = intval('173858')/(intval('5256255364999065'));
B4(105,104) = intval('-8774')/(intval('2582090527275')*sqrt(intval('175557')));
B4(106,104) = intval('-3545')/(intval('2644493193657')*sqrt(intval('7089')));
B4(107,104) = intval('44732')/(intval('406623238818225')*sqrt(intval('19877')));
B4(102,105) = intval('4784')/(intval('1367563618715')*sqrt(intval('172189')));
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B4(103,105) = intval('-9661')/(intval('1400676539265')*sqrt(intval('173873')));
B4(104,105) = intval('-8774')/(intval('2582090527275')*sqrt(intval('175557')));
B4(105,105) = intval('3938')/(intval('123692347913925'));
B4(106,105) = intval('-552')/(intval('835719619735')*sqrt(intval('7157')));
B4(107,105) = intval('-90317')/(intval('13862720451825')*sqrt(intval('180609')));
B4(108,105) = intval('15194')/(intval('4731190989525')*sqrt(intval('182293')));
B4(103,106) = intval('418')*sqrt(intval('7'))/(intval('4304268781245')*sqrt(intval('1003')));
B4(104,106) = intval('-3545')/(intval('2644493193657')*sqrt(intval('7089')));
B4(105,106) = intval('-552')/(intval('835719619735')*sqrt(intval('7157')));
B4(106,106) = intval('20066')/(intval('654570477930369'));
B4(107,106) = intval('-4142')*sqrt(intval('11'))/(intval('70555409218715')*sqrt(intval('663')));
B4(108,106) = intval('-409')/(intval('322834208697')*sqrt(intval('7361')));
B4(109,106) = intval('1032')/(intval('1652331115435')*sqrt(intval('7429')));
B4(104,107) = intval('44732')/(intval('40623238818225')*sqrt(intval('19877')));
B4(105,107) = intval('-90317')/(intval('13862720451825')*sqrt(intval('180609')));
B4(106,107) = intval('-4142')*sqrt(intval('11'))/(intval('70555409218715')*sqrt(intval('663')));
B4(107,107) = intval('36802')/(intval('1246354515848925'));
B4(108,107) = intval('-844')*sqrt(intval('11'))/(intval('2973683648775')*sqrt(intval('16887')));
B4(109,107) = intval('-93749')/(intval('15217622930265')*sqrt(intval('187473')));
B4(110,107) = intval('6758')/(intval('46722022626645')*sqrt(intval('429')));
B4(105,108) = intval('15194')/(intval('4731190989525')*sqrt(intval('182293')));
B4(106,108) = intval('-409')/(intval('322834208697')*sqrt(intval('7361')));
B4(107,108) = intval('-844')*sqrt(intval('11'))/(intval('2973683648775')*sqrt(intval('16887')));
B4(108,108) = intval('62486')/(intval('2196222804931155'));
B4(109,108) = intval('-5254')/(intval('1730152639215')*sqrt(intval('189221')));
B4(110,108) = intval('-95489')/(intval('334607372206065')*sqrt(intval('433')));
B4(111,108) = intval('3212')/(intval('1086891696261')*sqrt(intval('192685')));
B4(106,109) = intval('1032')/(intval('1652331115435')*sqrt(intval('7429')));
B4(107,109) = intval('-93749')/(intval('15217622930265')*sqrt(intval('187473')));
B4(108,109) = intval('-5254')/(intval('1730152639215')*sqrt(intval('189221')));
B4(109,109) = intval('63646')/(intval('2320812231479595'));
B4(110,109) = intval('-1376')/(intval('9780400994445')*sqrt(intval('437')));
B4(111,109) = intval('-2161')/(intval('370587786597')*sqrt(intval('194465')));
B4(112,109) = intval('16354')/(intval('56866605690885')*sqrt(intval('196213')));
B4(107,110) = intval('6758')/(intval('46722022626645')*sqrt(intval('429')));
B4(108,110) = intval('-95489')/(intval('334607372206065')*sqrt(intval('433')));
B4(109,110) = intval('-1376')/(intval('9780400994445')*sqrt(intval('437')));
B4(110,110) = intval('7778')/(intval('294148383349329'));
B4(111,110) = intval('-7006')/(intval('51171105820941')*sqrt(intval('445')));
B4(112,110) = intval('-99017')/(intval('366379880941305')*sqrt(intval('449')));
B4(113,110) = intval('7136')/(intval('53532237729465')*sqrt(intval('453')));
B4(108,111) = intval('3212')/(intval('1086891696261')*sqrt(intval('192685')));
B4(109,111) = intval('-2161')/(intval('370587786597')*sqrt(intval('194465')));
B4(110,111) = intval('-7006')/(intval('51171105820941')*sqrt(intval('445')));
B4(111,111) = intval('65998')/(intval('2587712282693307'));
B4(112,111) = intval('-5548')/(intval('1982357933787')*sqrt(intval('199805')));
B4(113,111) = intval('-20161')/(intval('3649013957589')*sqrt(intval('201585')));
B4(114,111) = intval('226')*sqrt(intval('5'))/(intval('414598275091')*sqrt(intval('40673')));
B4(109,112) = intval('16354')/(intval('56866605690885')*sqrt(intval('196213')));
B4(110,112) = intval('-99017')/(intval('366379880941305')*sqrt(intval('449')));
B4(111,112) = intval('-5548')/(intval('1982357933787')*sqrt(intval('199805')));
B4(112,112) = intval('13438')/(intval('546092411759895'));
B4(113,112) = intval('-782')/(intval('286984417335')*sqrt(intval('203397')));
B4(114,112) = intval('-877')/(intval('163012342185')*sqrt(intval('205193')));
B4(115,112) = intval('17252')/(intval('6499706878665')*sqrt(intval('206989')));
B4(110,113) = intval('7136')/(intval('53532237729465')*sqrt(intval('453')));
B4(111,113) = intval('-20161')/(intval('3649013957589')*sqrt(intval('201585')));
B4(112,113) = intval('-782')/(intval('286984417335')*sqrt(intval('203397')));
B4(113,113) = intval('205178')/(intval('8639143507739745'));
B4(114,113) = intval('-51736')/(intval('19496106584955')*sqrt(intval('207021')));
B4(115,113) = intval('-8033')/(intval('1533043446165')*sqrt(intval('208833')));
B4(116,113) = intval('10534')/(intval('12222877214457')*sqrt(intval('23405')));
B4(111,114) = intval('226')*sqrt(intval('5'))/(intval('414598275091')*sqrt(intval('40673')));
B4(112,114) = intval('-877')/(intval('163012342185')*sqrt(intval('205193')));
B4(113,114) = intval('-51736')/(intval('19496106584955')*sqrt(intval('207021')));
B4(114,114) = intval('2578')/(intval('112433498282105'));
B4(115,114) = intval('-2')/(intval('773727171')*sqrt(intval('210677')));
B4(116,114) = intval('-21253')/(intval('4163445411489')*sqrt(intval('212505')));
B4(117,114) = intval('2552')*sqrt(intval('7'))/(intval('7091582843745')*sqrt(intval('30619')));
B4(112,115) = intval('17252')/(intval('6499706878665')*sqrt(intval('206989')));
B4(113,115) = intval('-8033')/(intval('1533043446165')*sqrt(intval('208833')));
B4(114,115) = intval('-2')/(intval('773727171')*sqrt(intval('210677')));
B4(115,115) = intval('1574')/(intval('71081623456935'));
B4(116,115) = intval('-53572')/(intval('21271572677187')*sqrt(intval('214365')));
B4(117,115) = intval('-12013')/(intval('2415137758065')*sqrt(intval('216209')));
B4(118,115) = intval('6058')/(intval('2467755138415')*sqrt(intval('218053')));
B4(113,116) = intval('10534')/(intval('12222877214457')*sqrt(intval('23405')));
B4(114,116) = intval('-21253')/(intval('4163445411489')*sqrt(intval('212505')));
B4(115,116) = intval('-53572')/(intval('21271572677187')*sqrt(intval('214365')));
B4(116,116) = intval('216194')/(intval('10106603603873721'));
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B4(117,116) = intval('-7786')*sqrt(intval('7'))/(intval('22206537362823')*sqrt(intval('31155')));
B4(118,116) = intval('-21997')/(intval('4537485254505')*sqrt(intval('219945')));
B4(119,116) = intval('11092')/(intval('13906461287565')*sqrt(intval('24645')));
B4(114,117) = intval('2552')*sqrt(intval('7'))/(intval('7091582843745')*sqrt(intval('30619')));
B4(115,117) = intval('-12013')/(intval('2415137758065')*sqrt(intval('216209')));
B4(116,117) = intval('-7786')*sqrt(intval('7'))/(intval('22206537362823')*sqrt(intval('31155')));
B4(117,117) = intval('14662')/(intval('709308595808175'));
B4(118,117) = intval('-16')*sqrt(intval('77'))/(intval('514979825175')*sqrt(intval('2881')));
B4(119,117) = intval('-111869')/(intval('71014871607075')*sqrt(intval('24857')));
B4(120,117) = intval('2686')*sqrt(intval('7'))/(intval('8059503629925')*sqrt(intval('32227')));
B4(115,118) = intval('6058')/(intval('2467755138415')*sqrt(intval('218053')));
B4(116,118) = intval('-21997')/(intval('4537485254505')*sqrt(intval('219945')));
B4(117,118) = intval('-16')*sqrt(intval('77'))/(intval('514979825175')*sqrt(intval('2881')));
B4(118,118) = intval('74566')/(intval('3731959119528675'));
B4(119,118) = intval('-5126')*sqrt(intval('11'))/(intval('72525244898925')*sqrt(intval('2279')));
B4(120,118) = intval('-12641')/(intval('2743298275725')*sqrt(intval('227513')));
B4(121,118) = intval('3824')/(intval('1680925440285')*sqrt(intval('229405')));
B4(116,119) = intval('11092')/(intval('13906461287565')*sqrt(intval('24645')));
B4(117,119) = intval('-111869')/(intval('71014871607075')*sqrt(intval('24857')));
B4(118,119) = intval('-5126')*sqrt(intval('11'))/(intval('72525244898925')*sqrt(intval('2279')));
B4(119,119) = intval('227498')/(intval('11776151332170225'));
B4(120,119) = intval('-11468')/(intval('15126218986725')*sqrt(intval('25493')));
B4(121,119) = intval('-23137')/(intval('15445484706015')*sqrt(intval('25705')));
B4(122,119) = intval('58322')/(intval('78853264025445')*sqrt(intval('25917')));
B4(117,120) = intval('2686')*sqrt(intval('7'))/(intval('8059503629925')*sqrt(intval('32227')));
B4(118,120) = intval('-12641')/(intval('2743298275725')*sqrt(intval('227513')));
B4(119,120) = intval('-11468')/(intval('15126218986725')*sqrt(intval('25493')));
B4(120,120) = intval('15422')/(intval('825418262719575'));
B4(121,120) = intval('-6478')/(intval('2920090652703')*sqrt(intval('233285')));
B4(122,120) = intval('-117617')/(intval('26830875007965')*sqrt(intval('235209')));
B4(123,120) = intval('6588')/(intval('3043446504035')*sqrt(intval('237133')));
B4(118,121) = intval('3824')/(intval('1680925440285')*sqrt(intval('229405')));
B4(119,121) = intval('-23137')/(intval('15445484706015')*sqrt(intval('25705')));
B4(120,121) = intval('-6478')/(intval('2920090652703')*sqrt(intval('233285')));
B4(121,121) = intval('78398')/(intval('4337363078864907'));
B4(122,121) = intval('-59272')/(intval('27387322743963')*sqrt(intval('237165')));
B4(123,121) = intval('-2657')/(intval('621239595669')*sqrt(intval('239105')));
B4(124,121) = intval('574')*sqrt(intval('7'))/(intval('1902305097297')*sqrt(intval('34435')));
B4(119,122) = intval('58322')/(intval('78853264025445')*sqrt(intval('25917')));
B4(120,122) = intval('-117617')/(intval('26830875007965')*sqrt(intval('235209')));
B4(121,122) = intval('-59272')/(intval('27387322743963')*sqrt(intval('237165')));
B4(122,122) = intval('47818')/(intval('2733892518817845'));
B4(123,122) = intval('-2410')/(intval('1141231553847')*sqrt(intval('241077')));
B4(124,122) = intval('-121529')/(intval('29118105630405')*sqrt(intval('243033')));
B4(125,122) = intval('61256')/(intval('89148040030665')*sqrt(intval('27221')));
B4(120,123) = intval('6588')/(intval('3043446504035')*sqrt(intval('237133')));
B4(121,123) = intval('-2657')/(intval('621239595669')*sqrt(intval('239105')));
B4(122,123) = intval('-2410')/(intval('1141231553847')*sqrt(intval('241077')));
B4(123,123) = intval('27002')/(intval('1594920118475145'));
B4(124,123) = intval('-108')*sqrt(intval('7'))/(intval('366816449395')*sqrt(intval('35003')));
B4(125,123) = intval('-123509')/(intval('30318772234905')*sqrt(intval('246993')));
B4(126,123) = intval('830')*sqrt(intval('5'))/(intval('2062417500297')*sqrt(intval('49793')));
B4(121,124) = intval('574')*sqrt(intval('7'))/(intval('1902305097297')*sqrt(intval('34435')));
B4(122,124) = intval('-121529')/(intval('29118105630405')*sqrt(intval('243033')));
B4(123,124) = intval('-108')*sqrt(intval('7'))/(intval('366816449395')*sqrt(intval('35003')));
B4(124,124) = intval('27442')/(intval('1674161527077105'));
B4(125,124) = intval('-1778')*sqrt(intval('7'))/(intval('6186457342395')*sqrt(intval('35571')));
B4(126,124) = intval('-2789')/(intval('701304944769')*sqrt(intval('250985')));
B4(127,124) = intval('1004')*sqrt(intval('7'))/(intval('3577363607155')*sqrt(intval('36139')));
B4(122,125) = intval('61256')/(intval('89148040030665')*sqrt(intval('27221')));
B4(123,125) = intval('-123509')/(intval('30318772234905')*sqrt(intval('246993')));
B4(124,125) = intval('-1778')*sqrt(intval('7'))/(intval('6186457342395')*sqrt(intval('35571')));
B4(125,125) = intval('50194')/(intval('3161982423284685'));
B4(126,125) = intval('-4864')/(intval('2476323099159')*sqrt(intval('253005')));
B4(127,125) = intval('-9809')/(intval('2526070202565')*sqrt(intval('255009')));
B4(128,125) = intval('64262')/(intval('301473063674055')*sqrt(intval('3173')));
B4(123,126) = intval('830')*sqrt(intval('5'))/(intval('2062417500297')*sqrt(intval('49793')));
B4(124,126) = intval('-2789')/(intval('701304944769')*sqrt(intval('250985')));
B4(125,126) = intval('-4864')/(intval('2476323099159')*sqrt(intval('253005')));
B4(126,126) = intval('84998')/(intval('5527536813014307'));
B4(127,126) = intval('-7138')/(intval('3721426330167')*sqrt(intval('257045')));
B4(128,126) = intval('-1993')/(intval('1576629883647')*sqrt(intval('28785')));
B4(129,126) = intval('4352')/(intval('2322629709309')*sqrt(intval('261085')));
B4(124,127) = intval('1004')*sqrt(intval('7'))/(intval('3577363607155')*sqrt(intval('36139')));
B4(125,127) = intval('-9809')/(intval('2526070202565')*sqrt(intval('255009')));
B4(126,127) = intval('-7138')/(intval('3721426330167')*sqrt(intval('257045')));
B4(127,127) = intval('3454')/(intval('231820347980403'));
B4(128,127) = intval('-1004')/(intval('1607777356185')*sqrt(intval('29013')));
B4(129,127) = intval('-14621')/(intval('3947101568865')*sqrt(intval('263153')));
B4(130,127) = intval('22102')/(intval('12074861012445')*sqrt(intval('265189')));
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B4(125,128) =  intval('64262')/(intval('301473063674055')*sqrt(intval('3173')));
B4(126,128) =  intval('-1993')/(intval('1576629883647')*sqrt(intval('28785')));
B4(127,128) =  intval('-1004')/(intval('1607777356185')*sqrt(intval('29013')));
B4(128,128) =  intval('263138')/(intval('18222659985114585'));
B4(129,128) =  intval('-6026')*sqrt(intval('11'))/(intval('108660637179045')*sqrt(intval('2679')));
B4(130,128) =  intval('-133649')/(intval('110792145780855')*sqrt(intval('29697')));
B4(131,128) =  intval('1924')*sqrt(intval('7'))/(intval('338880868601715')*sqrt(intval('19')));
B4(126,129) =  intval('4352')/(intval('2322629709309')*sqrt(intval('261085')));
B4(127,129) =  intval('-14621')/(intval('3947101568865')*sqrt(intval('263153')));
B4(128,129) =  intval('-6026')*sqrt(intval('11'))/(intval('108660637179045')*sqrt(intval('2679')));
B4(129,129) =  intval('89086')/(intval('6364012288692555'));
B4(130,129) =  intval('-136')*sqrt(intval('11'))/(intval('836643479175')*sqrt(intval('24487')));
B4(131,129) =  intval('-5429')/(intval('7676347206237')*sqrt(intval('10857')));
B4(132,129) =  intval('7598')/(intval('99991254061825')*sqrt(intval('517')));
B4(127,130) =  intval('22102')/(intval('12074861012445')*sqrt(intval('265189')));
B4(128,130) =  intval('-133649')/(intval('110792145780855')*sqrt(intval('29697')));
B4(129,130) =  intval('-136')*sqrt(intval('11'))/(intval('836643479175')*sqrt(intval('24487')));
B4(130,130) =  intval('18094')/(intval('1333047050833575'));
B4(131,130) =  intval('-9766')*sqrt(intval('7'))/(intval('195612174727035')*sqrt(intval('1563')));
B4(132,130) =  intval('-15313')/(intval('101910471990075')*sqrt(intval('521')));
B4(133,130) =  intval('23144')/(intval('13548791073825')*sqrt(intval('277693')));
B4(128,131) =  intval('1924')*sqrt(intval('7'))/(intval('338880868601715')*sqrt(intval('19')));
B4(129,131) =  intval('-5429')/(intval('7676347206237')*sqrt(intval('10857')));
B4(130,131) =  intval('-9766')*sqrt(intval('7'))/(intval('195612174727035')*sqrt(intval('1563')));
B4(131,131) =  intval('275594')/(intval('20934740328978321'));
B4(132,131) =  intval('-9916')*sqrt(intval('7'))/(intval('4673794334985945')*sqrt(intval('3')));
B4(133,131) =  intval('-5597')/(intval('8284117970853')*sqrt(intval('11193')));
B4(134,131) =  intval('2014')*sqrt(intval('7'))/(intval('126637711619445')*sqrt(intval('179')));
B4(129,132) =  intval('7598')/(intval('99991254061825')*sqrt(intval('517')));
B4(130,132) =  intval('-15313')/(intval('101910471990075')*sqrt(intval('521')));
B4(131,132) =  intval('-9916')*sqrt(intval('7'))/(intval('4673794334985945')*sqrt(intval('3')));
B4(132,132) =  intval('6218')/(intval('486894205249725'));
B4(133,132) =  intval('-174')/(intval('2396985021725')*sqrt(intval('533')));
B4(134,132) =  intval('-142049')/(intval('989242413954795')*sqrt(intval('537')));
B4(135,132) =  intval('23852')/(intval('336004539085215')*sqrt(intval('541')));
B4(130,133) =  intval('23144')/(intval('13548791073825')*sqrt(intval('277693')));
B4(131,133) =  intval('-5597')/(intval('8284117970853')*sqrt(intval('11193')));
B4(132,133) =  intval('-174')/(intval('2396985021725')*sqrt(intval('533')));
B4(133,133) =  intval('31562')/(intval('2547036284084985'));
B4(134,133) =  intval('-71536')/(intval('43821779113035')*sqrt(intval('286221')));
B4(135,133) =  intval('-16021')/(intval('4960993684185')*sqrt(intval('288353')));
B4(136,133) =  intval('1614')/(intval('1010884212107')*sqrt(intval('290485')));
B4(131,134) =  intval('2014')*sqrt(intval('7'))/(intval('126637711619445')*sqrt(intval('179')));
B4(132,134) =  intval('-142049')/(intval('989242413954795')*sqrt(intval('537')));
B4(133,134) =  intval('-71536')/(intval('43821779113035')*sqrt(intval('286221')));
B4(134,134) =  intval('288338')/(intval('23975152153337385'));
B4(135,134) =  intval('-14522')/(intval('9096955782915')*sqrt(intval('290517')));
B4(136,134) =  intval('-29269')/(intval('9267379843953')*sqrt(intval('292665')));
B4(137,134) =  intval('73712')/(intval('141609028456665')*sqrt(intval('32757')));
B4(132,135) =  intval('23852')/(intval('336004539085215')*sqrt(intval('541')));
B4(133,135) =  intval('-16021')/(intval('4960993684185')*sqrt(intval('288353')));
B4(134,135) =  intval('-14522')/(intval('9096955782915')*sqrt(intval('290517')));
B4(135,135) =  intval('3902')/(intval('334225227606963'));
B4(136,135) =  intval('-8188')/(intval('5244209607483')*sqrt(intval('294845')));
B4(137,135) =  intval('-148517')/(intval('144226570572315')*sqrt(intval('33001')));
B4(138,135) =  intval('3562')*sqrt(intval('7'))/(intval('16322487578685')*sqrt(intval('42739')));
B4(133,136) =  intval('1614')/(intval('1010884212107')*sqrt(intval('290485')));
B4(134,136) =  intval('-29269')/(intval('9267379843953')*sqrt(intval('292665')));
B4(135,136) =  intval('-8188')/(intval('5244209607483')*sqrt(intval('294845')));
B4(136,136) =  intval('98998')/(intval('8733249643040307'));
B4(137,136) =  intval('-74782')/(intval('146866676985349')*sqrt(intval('33245')));
B4(138,136) =  intval('-3349')/(intval('1108132184241')*sqrt(intval('301385')));
B4(139,136) =  intval('1012')*sqrt(intval('5'))/(intval('3385619325333')*sqrt(intval('60713')));
B4(134,137) =  intval('73712')/(intval('141609028456665')*sqrt(intval('32757')));
B4(135,137) =  intval('-148517')/(intval('144226570572315')*sqrt(intval('33001')));
B4(136,137) =  intval('-74782')/(intval('146866676985349')*sqrt(intval('33245')));
B4(137,137) =  intval('60274')/(intval('5474990464712685'));
B4(138,137) =  intval('-2168')*sqrt(intval('7'))/(intval('30467362241565')*sqrt(intval('4819')));
B4(139,137) =  intval('-152909')/(intval('155127967447635')*sqrt(intval('33977')));
B4(140,137) =  intval('77006')/(intval('157963944914685')*sqrt(intval('34221')));
B4(135,138) =  intval('3562')*sqrt(intval('7'))/(intval('16322487578685')*sqrt(intval('42739')));
B4(136,138) =  intval('-3349')/(intval('1108132184241')*sqrt(intval('301385')));
B4(137,138) =  intval('-2168')*sqrt(intval('7'))/(intval('30467362241565')*sqrt(intval('4819')));
B4(138,138) =  intval('101926')/(intval('9531253074083715'));
B4(139,138) =  intval('-94')*sqrt(intval('7'))/(intval('449992974915')*sqrt(intval('44003')));
B4(140,138) =  intval('-11933')/(intval('4123600917465')*sqrt(intval('310233')));
B4(141,138) =  intval('248')*sqrt(intval('7'))/(intval('1212882496111')*sqrt(intval('44635')));
B4(136,139) =  intval('1012')*sqrt(intval('5'))/(intval('3385619325333')*sqrt(intval('60713')));
B4(137,139) =  intval('-152909')/(intval('155127967447635')*sqrt(intval('33977')));
B4(138,139) =  intval('-94')*sqrt(intval('7'))/(intval('449992974915')*sqrt(intval('44003')));
B4(139,139) =  intval('103406')/(intval('9952484790283035'));
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B4(140,139) = intval('-284')*sqrt(intval('11'))/(intval('2182964918043')*sqrt(intval('28407')));
B4(141,139) = intval('-269')/(intval('94973674257')*sqrt(intval('314705')));
B4(142,139) = intval('26414')/(intval('188853557768045')*sqrt(intval('316933')));
B4(137,140) = intval('77006')/(intval('157963944914685')*sqrt(intval('34221')));
B4(138,140) = intval('-11933')/(intval('4123600917465')*sqrt(intval('310233')));
B4(139,140) = intval('-284')*sqrt(intval('11'))/(intval('2182964918043')*sqrt(intval('28407')));
B4(140,140) = intval('62938')/(intval('6233470139705445'));
B4(141,140) = intval('-554')*sqrt(intval('11'))/(intval('4350381775299')*sqrt(intval('28815')));
B4(142,140) = intval('-159617')/(intval('57568884949485')*sqrt(intval('319209')));
B4(143,140) = intval('80372')/(intval('175796219335905')*sqrt(intval('35717')));
B4(138,141) = intval('248')*sqrt(intval('7'))/(intval('1212882496111')*sqrt(intval('44635')));
B4(139,141) = intval('-269')/(intval('94973674257')*sqrt(intval('314705')));
B4(140,141) = intval('-554')*sqrt(intval('11'))/(intval('4350381775299')*sqrt(intval('28815')));
B4(141,141) = intval('11822')/(intval('1204621841746323'));
B4(142,141) = intval('-992')/(intval('723369221883')*sqrt(intval('321485')));
B4(143,141) = intval('-32377')/(intval('11927177123085')*sqrt(intval('323745')));
B4(144,141) = intval('5434')/(intval('4046342505345')*sqrt(intval('326005')));
B4(139,142) = intval('26414')/(intval('188853557768045')*sqrt(intval('316933')));
B4(140,142) = intval('-159617')/(intval('57568884949485')*sqrt(intval('319209')));
B4(141,142) = intval('-992')/(intval('723369221883')*sqrt(intval('321485')));
B4(142,142) = intval('2398')/(intval('251341792469775'));
B4(143,142) = intval('-16298')/(intval('12137836090275')*sqrt(intval('326037')));
B4(144,142) = intval('-18241')/(intval('6862426217325')*sqrt(intval('328313')));
B4(145,142) = intval('1312')*sqrt(intval('7'))/(intval('6983456662075')*sqrt(intval('47227')));
B4(140,143) = intval('80372')/(intval('175796219335905')*sqrt(intval('35717')));
B4(141,143) = intval('-32377')/(intval('11927177123085')*sqrt(intval('323745')));
B4(142,143) = intval('-16298')/(intval('12137836090275')*sqrt(intval('326037')));
B4(143,143) = intval('328298')/(intval('35387807413957425'));
B4(144,143) = intval('-82636')/(intval('62845026753075')*sqrt(intval('330621')));
B4(145,143) = intval('-166469')/(intval('63947987968425')*sqrt(intval('332913')));
B4(146,143) = intval('16762')/(intval('39040750623105')*sqrt(intval('37245')));
B4(141,144) = intval('5434')/(intval('4046342505345')*sqrt(intval('326005')));
B4(142,144) = intval('-18241')/(intval('6862426217325')*sqrt(intval('328313')));
B4(143,144) = intval('-82636')/(intval('62845026753075')*sqrt(intval('330621')));
B4(144,144) = intval('110966')/(intval('12298738601116275'));
B4(145,144) = intval('-266')*sqrt(intval('7'))/(intval('1445815703475')*sqrt(intval('47891')));
B4(146,144) = intval('-33757')/(intval('39717366751755')*sqrt(intval('37505')));
B4(147,144) = intval('28324')/(intval('22448946424905')*sqrt(intval('339853')));
B4(142,145) = intval('1312')*sqrt(intval('7'))/(intval('6983456662075')*sqrt(intval('47227')));
B4(143,145) = intval('-166469')/(intval('63947987968425')*sqrt(intval('332913')));
B4(144,145) = intval('-266')*sqrt(intval('7'))/(intval('1445815703475')*sqrt(intval('47891')));
B4(145,145) = intval('22502')/(intval('2563855146341775'));
B4(146,145) = intval('-12136')*sqrt(intval('7'))/(intval('202021495812081')*sqrt(intval('5395')));
B4(147,145) = intval('-19013')/(intval('7611777014985')*sqrt(intval('342209')));
B4(148,145) = intval('4102')*sqrt(intval('7'))/(intval('23229723636405')*sqrt(intval('49219')));
B4(143,146) = intval('16762')/(intval('39040750623105')*sqrt(intval('37245')));
B4(144,146) = intval('-33757')/(intval('39717366751755')*sqrt(intval('37505')));
B4(145,146) = intval('-12136')*sqrt(intval('7'))/(intval('202021495812081')*sqrt(intval('5395')));
B4(146,146) = intval('342194')/(intval('40074132315707721'));
B4(147,146) = intval('-86122')/(intval('209048096476989')*sqrt(intval('38285')));
B4(148,146) = intval('-34693')/(intval('42528263272803')*sqrt(intval('38545')));
B4(149,146) = intval('17464')/(intval('43257736056213')*sqrt(intval('38805')));
B4(144,147) = intval('28324')/(intval('22448946424905')*sqrt(intval('339853')));
B4(145,147) = intval('-19013')/(intval('7611777014985')*sqrt(intval('342209')));
B4(146,147) = intval('-86122')/(intval('209048096476989')*sqrt(intval('38285')));
B4(147,147) = intval('23126')/(intval('2783110200085215'));
B4(148,147) = intval('-388')/(intval('320398317603')*sqrt(intval('349277')));
B4(149,147) = intval('-175829')/(intval('73320271357305')*sqrt(intval('351633')));
B4(150,147) = intval('9834')/(intval('8285482112495')*sqrt(intval('353989')));
B4(145,148) = intval('4102')*sqrt(intval('7'))/(intval('23229723636405')*sqrt(intval('49219')));
B4(146,148) = intval('-34693')/(intval('42528263272803')*sqrt(intval('38545')));
B4(147,148) = intval('-388')/(intval('320398317603')*sqrt(intval('349277')));
B4(148,148) = intval('117206')/(intval('14492314209209235'));
B4(149,148) = intval('-88486')/(intval('74562598681095')*sqrt(intval('354021')));
B4(150,148) = intval('-19801')/(intval('8425203564645')*sqrt(intval('356393')));
B4(151,148) = intval('1196')*sqrt(intval('5'))/(intval('565547229203927')*sqrt(intval('593')));
B4(146,149) = intval('17464')/(intval('43257736056213')*sqrt(intval('38805')));
B4(147,149) = intval('-175829')/(intval('73320271357305')*sqrt(intval('351633')));
B4(148,149) = intval('-88486')/(intval('74562598681095')*sqrt(intval('354021')));
B4(149,149) = intval('356378')/(intval('45266586542932545'));
B4(150,149) = intval('-17936')/(intval('15420596162895')*sqrt(intval('358797')));
B4(151,149) = intval('-36121')/(intval('172483256918511')*sqrt(intval('2985')));
B4(152,149) = intval('12986')*sqrt(intval('7'))/(intval('239157457071885')*sqrt(intval('5771')));
B4(147,150) = intval('9834')/(intval('8285482112495')*sqrt(intval('353989')));
B4(148,150) = intval('-19801')/(intval('8425203564645')*sqrt(intval('356393')));
B4(149,150) = intval('-17936')/(intval('15420596162895')*sqrt(intval('358797')));
B4(150,150) = intval('8026')/(intval('1047048944521965'));
B4(151,150) = intval('-102')/(intval('984100450207')*sqrt(intval('3005')));
B4(152,150) = intval('-183017')/(intval('81045594160245')*sqrt(intval('366009')));
B4(153,150) = intval('30704')/(intval('274662030229265')*sqrt(intval('368413')));
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B4(148,151) =  intval('1196')*sqrt(intval('5'))/(intval('56547229203927')*sqrt(intval('593')));
B4(149,151) =  intval('-36121')/(intval('172483256918511')*sqrt(intval('2985')));
B4(150,151) =  intval('-102')/(intval('984100450207')*sqrt(intval('3005')));
B4(151,151) =  intval('40666')/(intval('544782679026576 9'));
B4(152,151) =  intval('-92')*sqrt(intval('7'))/(intval('6337804049631')*sqrt(intval('435')));
B4(153,151) =  intval('-317')/(intval('1574985068811')*sqrt(intval('3065')));
B4(154,151) =  intval('2074')/(intval('20814354914353')*sqrt(intval('3085')));
B4(149,152) =  intval('12986')*sqrt(intval('7'))/(intval('239157457071885')*sqrt(intval('5771')));
B4(150,152) =  intval('-183017')/(intval('81045594160245')*sqrt(intval('366009')));
B4(151,152) =  intval('-92')*sqrt(intval('7'))/(intval('6337804049631')*sqrt(intval('435')));
B4(152,152) =  intval('14834')/(intval('2040319450446849'));
B4(153,152) =  intval('-2666')*sqrt(intval('7'))/(intval('17028466976235')*sqrt(intval('53331')));
B4(154,152) =  intval('-14453')/(intval('6657524729745')*sqrt(intval('375753')));
B4(155,152) =  intval('13508')*sqrt(intval('7'))/(intval('791762854556115')*sqrt(intval('667')));
B4(150,153) =  intval('30704')/(intval('27466203029265')*sqrt(intval('368413')));
B4(151,153) =  intval('-317')/(intval('1574985068811')*sqrt(intval('3065')));
B4(152,153) =  intval('-2666')*sqrt(intval('7'))/(intval('17028466976235')*sqrt(intval('53331')));
B4(153,153) =  intval('125246')/(intval('17683851858121995'));
B4(154,153) =  intval('-808')/(intval('751847926095')*sqrt(intval('378221')));
B4(155,153) =  intval('-190349')/(intval('268226350401555')*sqrt(intval('42297')));
B4(156,153) =  intval('6386')/(intval('151453503909225')*sqrt(intval('613')));
B4(151,154) =  intval('2074')/(intval('20814354914353')*sqrt(intval('3085')));
B4(152,154) =  intval('-14453')/(intval('6657524729745')*sqrt(intval('375753')));
B4(153,154) =  intval('-808')/(intval('751847926095')*sqrt(intval('378221')));
B4(154,154) =  intval('126886')/(intval('18387633619018755'));
B4(155,154) =  intval('-19154')/(intval('54518707805625')*sqrt(intval('42573')));
B4(156,154) =  intval('-857')/(intval('10260545321565')*sqrt(intval('617')));
B4(157,154) =  intval('32344')/(intval('31282150370625')*sqrt(intval('388093')));
B4(152,155) =  intval('13508')*sqrt(intval('7'))/(intval('791762854556115')*sqrt(intval('667')));
B4(153,155) =  intval('-190349')/(intval('268226350401555')*sqrt(intval('42297')));
B4(154,155) =  intval('-19154')/(intval('54518707805625')*sqrt(intval('42573')));
B4(155,155) =  intval('77122')/(intval('11468761709068125'));
B4(156,155) =  intval('-97012')/(intval('7037903526833025')*sqrt(intval('69')));
B4(157,155) =  intval('-195317')/(intval('286072998316875')*sqrt(intval('43401')));
B4(158,155) =  intval('98282')/(intval('872083599069375')*sqrt(intval('4853')));
B4(153,156) =  intval('6386')/(intval('151453503909225')*sqrt(intval('613')));
B4(154,156) =  intval('-857')/(intval('10260545321565')*sqrt(intval('617')));
B4(155,156) =  intval('-97012')/(intval('7037903526833025')*sqrt(intval('69')));
B4(156,156) =  intval('130198')/(intval('19865366719921107'));
B4(157,156) =  intval('-10918')/(intval('269139695153175')*sqrt(intval('629')));
B4(158,156) =  intval('-7913')/(intval('98448548517165')*sqrt(intval('633')));
B4(159,156) =  intval('316')/(intval('555715455 78175')*sqrt(intval('13')));
B4(154,157) =  intval('32344')/(intval('31282150370625')*sqrt(intval('388093')));
B4(155,157) =  intval('-195317')/(intval('286072998316875')*sqrt(intval('43401')));
B4(156,157) =  intval('-10918')/(intval('269139695153175')*sqrt(intval('629')));
B4(157,157) =  intval('26374')/(intval('4128108850779375'));
B4(158,157) =  intval('-19904')/(intval('20004148539375')*sqrt(intval('398157')));
B4(159,157) =  intval('-22261')/(intval('79037050356495')*sqrt(intval('8177')));
B4(160,157) =  intval('33602')/(intval('34413261160005')*sqrt(intval('403189')));
B4(155,158) =  intval('98282')/(intval('872083599069375')*sqrt(intval('4853')));
B4(156,158) =  intval('-7913')/(intval('98448548517165')*sqrt(intval('633')));
B4(157,158) =  intval('-19904')/(intval('20004148539375')*sqrt(intval('398157')));
B4(158,158) =  intval('400658')/(intval('64322299412636265'));
B4(159,158) =  intval('-14398')/(intval('103231590273135')*sqrt(intval('8229')));
B4(160,158) =  intval('-202889')/(intval('104870743724565')*sqrt(intval('405753')));
B4(161,158) =  intval('20416')/(intval('63919632387429')*sqrt(intval('45365')));
B4(156,159) =  intval('316')/(intval('555715455 78175')*sqrt(intval('13')));
B4(157,159) =  intval('-22261')/(intval('79037050356495')*sqrt(intval('8177')));
B4(158,159) =  intval('-14398')/(intval('103231590273135')*sqrt(intval('8229')));
B4(159,159) =  intval('45082')/(intval('7422225515170665'));
B4(160,159) =  intval('-36')/(intval('263023139815')*sqrt(intval('8333')));
B4(161,159) =  intval('-41089')/(intval('151487187379731')*sqrt(intval('8385')));
B4(162,159) =  intval('4922')/(intval('36636383899485')*sqrt(intval('8437')));
B4(157,160) =  intval('33602')/(intval('34413261160005')*sqrt(intval('403189')));
B4(158,160) =  intval('-202889')/(intval('104870743724565')*sqrt(intval('405753')));
B4(159,160) =  intval('-36')/(intval('263023139815')*sqrt(intval('8333')));
B4(160,160) =  intval('1826')/(intval('308252399488761'));
B4(161,160) =  intval('-103342')/(intval('109900644901047')*sqrt(intval('413445')));
B4(162,160) =  intval('-23113')/(intval('12402644783445')*sqrt(intval('416009')));
B4(163,160) =  intval('11628')/(intval('125967393809 95')*sqrt(intval('418573')));
B4(158,161) =  intval('20416')/(intval('63919632387429')*sqrt(intval('45365')));
B4(159,161) =  intval('-41089')/(intval('151487187379731')*sqrt(intval('8385')));
B4(160,161) =  intval('-103342')/(intval('109900644901047')*sqrt(intval('413445')));
B4(161,161) =  intval('415994')/(intval('7194584005341921'));
B4(162,161) =  intval('-9512')*sqrt(intval('11'))/(intval('113361987879483')*sqrt(intval('38055')));
B4(163,161) =  intval('-42121')/(intval('23025667790749')*sqrt(intval('421185')));
B4(164,161) =  intval('4238')*sqrt(intval('5'))/(intval('70151295828537')*sqrt(intval('9417')));
B4(159,162) =  intval('4922')/(intval('36636383899485')*sqrt(intval('8437')));
B4(160,162) =  intval('-23113')/(intval('12402644783445')*sqrt(intval('416009')));
B4(161,162) =  intval('-9512')*sqrt(intval('11'))/(intval('113361987879483')*sqrt(intval('38055')));
B4(162,162) =  intval('28078')/(intval('4981030247465895'));
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B4(163,162) = intval('-214')*sqrt(intval('11'))/(intval('2597999957595')*sqrt(intval('38527')));
B4(164,162) = intval('-213209')/(intval('356161047388335')*sqrt(intval('47377')));
B4(165,162) = intval('35752')/(intval('40185094991265')*sqrt(intval('428989')));
B4(160,163) = intval('11628')/(intval('12596739380995')*sqrt(intval('418573')));
B4(161,163) = intval('-42121')/(intval('23025667798749')*sqrt(intval('421185')));
B4(162,163) = intval('-214')*sqrt(intval('11'))/(intval('2597999957595')*sqrt(intval('38527')));
B4(163,163) = intval('142126')/(intval('2584493020087515'));
B4(164,163) = intval('-107236')/(intval('361638878835465')*sqrt(intval('47669')));
B4(165,163) = intval('-23981')/(intval('13600162317105')*sqrt(intval('431633')));
B4(166,163) = intval('1034')*sqrt(intval('7'))/(intval('8285444508393')*sqrt(intval('62035')));
B4(161,164) = intval('4238')*sqrt(intval('5'))/(intval('70151295828537')*sqrt(intval('9417')));
B4(162,164) = intval('-213209')/(intval('356161047388335')*sqrt(intval('47377')));
B4(163,164) = intval('-107236')/(intval('361638878835465')*sqrt(intval('47669')));
B4(164,164) = intval('431618')/(intval('80414778923547705'));
B4(165,164) = intval('-334')/(intval('1147130860113')*sqrt(intval('48253')));
B4(166,164) = intval('-3361')/(intval('5823384074919')*sqrt(intval('48545')));
B4(167,164) = intval('109892')/(intval('384298895631105')*sqrt(intval('48837')));
B4(162,165) = intval('35752')/(intval('40185094991265')*sqrt(intval('428989')));
B4(163,165) = intval('-23981')/(intval('13600162317105')*sqrt(intval('431633')));
B4(164,165) = intval('-334')/(intval('1147130860113')*sqrt(intval('48253')));
B4(165,165) = intval('29126')/(intval('5559834098215215'));
B4(166,165) = intval('-1744')*sqrt(intval('7'))/(intval('14232256257843')*sqrt(intval('62795')));
B4(167,165) = intval('-17009')/(intval('10002892236645')*sqrt(intval('442209')));
B4(168,165) = intval('12358')/(intval('14667872834615')*sqrt(intval('444853')));
B4(163,166) = intval('1034')*sqrt(intval('7'))/(intval('8285444508393')*sqrt(intval('62035')));
B4(164,166) = intval('-3361')/(intval('5823384074919')*sqrt(intval('48545')));
B4(165,166) = intval('-1744')*sqrt(intval('7'))/(intval('14232256257843')*sqrt(intval('62795')));
B4(166,166) = intval('147398')/(intval('28823958220535907'));
B4(167,166) = intval('-1222')*sqrt(intval('7'))/(intval('10153950780171')*sqrt(intval('63555')));
B4(168,166) = intval('-4973')/(intval('2977688470185')*sqrt(intval('447545')));
B4(169,166) = intval('1072')*sqrt(intval('7'))/(intval('9067802445405')*sqrt(intval('64315')));
B4(164,167) = intval('109892')/(intval('384298895631105')*sqrt(intval('48837')));
B4(165,167) = intval('-17009')/(intval('10002892236645')*sqrt(intval('442209')));
B4(166,167) = intval('-1222')*sqrt(intval('7'))/(intval('10153950780171')*sqrt(intval('63555')));
B4(167,167) = intval('89506')/(intval('17928021341555325'));
B4(168,167) = intval('-22508')/(intval('27201473889975')*sqrt(intval('450237')));
B4(169,167) = intval('-226469')/(intval('138050176242825')*sqrt(intval('452913')));
B4(170,167) = intval('113906')/(intval('420359682082725')*sqrt(intval('50621')));
B4(165,168) = intval('12358')/(intval('14667872834615')*sqrt(intval('444853')));
B4(166,168) = intval('-4973')/(intval('2977688470185')*sqrt(intval('447545')));
B4(167,168) = intval('-22508')/(intval('27201473889975')*sqrt(intval('450237')));
B4(168,168) = intval('16774')/(intval('3440906910608475'));
B4(169,168) = intval('-1406')/(intval('1729753739175')*sqrt(intval('455621')));
B4(170,168) = intval('-229169')/(intval('142201913255325')*sqrt(intval('458313')));
B4(171,168) = intval('7684')/(intval('9621411120405')*sqrt(intval('461005')));
B4(166,169) = intval('1072')*sqrt(intval('7'))/(intval('9067802445405')*sqrt(intval('64315')));
B4(167,169) = intval('-226469')/(intval('138050176242825')*sqrt(intval('452913')));
B4(168,169) = intval('-1406')/(intval('1729753739175')*sqrt(intval('455621')));
B4(169,169) = intval('5658')/(intval('1188485611353425'));
B4(170,169) = intval('-23048')/(intval('28862229930975')*sqrt(intval('461037')));
B4(171,169) = intval('-5153')/(intval('3254509817685')*sqrt(intval('463745')));
B4(172,169) = intval('12958')/(intval('16513623889735')*sqrt(intval('466453')));
B4(167,170) = intval('113906')/(intval('420359682082725')*sqrt(intval('50621')));
B4(168,170) = intval('-229169')/(intval('142201913255325')*sqrt(intval('458313')));
B4(169,170) = intval('-23048')/(intval('28862229930975')*sqrt(intval('461037')));
B4(170,170) = intval('92746')/(intval('19946202494303925'));
B4(171,170) = intval('-116602')/(intval('148612419773727')*sqrt(intval('466485')));
B4(172,170) = intval('-234617')/(intval('150805032261765')*sqrt(intval('469209')));
B4(173,170) = intval('16856')*sqrt(intval('7'))/(intval('459078058446345')*sqrt(intval('7491')));
B4(168,171) = intval('7684')/(intval('9621411120405')*sqrt(intval('461005')));
B4(169,171) = intval('-5153')/(intval('3254509817685')*sqrt(intval('463745')));
B4(170,171) = intval('-116602')/(intval('148612419773727')*sqrt(intval('466485')));
B4(171,171) = intval('156398')/(intval('34432641548666907'));
B4(172,171) = intval('-13108')/(intval('17001738229707')*sqrt(intval('471965')));
B4(173,171) = intval('-47473')/(intval('93155985582543')*sqrt(intval('52745')));
B4(174,171) = intval('7958')/(intval('10502212137417')*sqrt(intval('477445')));
B4(169,172) = intval('12958')/(intval('16513623889735')*sqrt(intval('466453')));
B4(170,172) = intval('-234617')/(intval('150805032261765')*sqrt(intval('469209')));
B4(171,172) = intval('-13108')/(intval('17001738229707')*sqrt(intval('471965')));
B4(172,172) = intval('31646')/(intval('7131367865821815'));
B4(173,172) = intval('-62')*sqrt(intval('77'))/(intval('18902714922621')*sqrt(intval('689')));
B4(174,172) = intval('-26681')/(intval('17757731698245')*sqrt(intval('480233')));
B4(175,172) = intval('40252')/(intval('54048641893785')*sqrt(intval('482989')));
B4(170,173) = intval('16856')*sqrt(intval('7'))/(intval('459078058446345')*sqrt(intval('7491')));
B4(171,173) = intval('-47473')/(intval('93155985582543')*sqrt(intval('52745')));
B4(172,173) = intval('-62')*sqrt(intval('77'))/(intval('18902714922621')*sqrt(intval('689')));
B4(173,173) = intval('480218')/(intval('110751282683679105'));
B4(174,173) = intval('-1568')*sqrt(intval('77'))/(intval('486405550683585')*sqrt(intval('697')));
B4(175,173) = intval('-242909')/(intval('493457081186115')*sqrt(intval('53977')));
B4(176,173) = intval('698')*sqrt(intval('35'))/(intval('100119656703753')*sqrt(intval('1551')));
B4(171,174) = intval('7958')/(intval('10502212137417')*sqrt(intval('477445')));
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B4(172,174) = intval('-26681')/(intval('17757731698245')*sqrt(intval('480233')));
B4(173,174) = intval('-1568')*sqrt(intval('77'))/(intval('486405550683585')*sqrt(intval('697')));
B4(174,174) = intval('161926')/(intval('38214250891223715'));
B4(175,174) = intval('-2714')/(intval('3707892574155')*sqrt(intval('488597')));
B4(176,174) = intval('-49141')/(intval('33852031224081')*sqrt(intval('491385')));
B4(177,174) = intval('13728')/(intval('19077283783355')*sqrt(intval('494173')));
B4(172,175) = intval('40252')/(intval('54048641893785')*sqrt(intval('482989')));
B4(173,175) = intval('-242909')/(intval('493457081186115')*sqrt(intval('53977')));
B4(174,175) = intval('-2714')/(intval('3707892574155')*sqrt(intval('488597')));
B4(175,175) = intval('32758')/(intval('7909833743720895'));
B4(176,175) = intval('-123532')/(intval('171684436684467')*sqrt(intval('494205')));
B4(177,175) = intval('-27613')/(intval('19349427631905')*sqrt(intval('497009')));
B4(178,175) = intval('41654')/(intval('58878730433565')*sqrt(intval('499813')));
B4(173,176) = intval('698')*sqrt(intval('35'))/(intval('100119656703753')*sqrt(intval('1551')));
B4(174,176) = intval('-49141')/(intval('33852031224081')*sqrt(intval('491385')));
B4(175,176) = intval('-123532')/(intval('171684436684467')*sqrt(intval('494205')));
B4(176,176) = intval('496994')/(intval('1227681661009920921'));
B4(177,176) = intval('-124942')/(intval('176624883078903')*sqrt(intval('499845')));
B4(178,176) = intval('-50269')/(intval('35828333838297')*sqrt(intval('502665')));
B4(179,176) = intval('25276')/(intval('109013948904861')*sqrt(intval('56165')));
B4(174,177) = intval('13728')/(intval('19077283783355')*sqrt(intval('494173')));
B4(175,177) = intval('-27613')/(intval('19349427631905')*sqrt(intval('497009')));
B4(176,177) = intval('-124942')/(intval('176624883078903')*sqrt(intval('499845')));
B4(177,177) = intval('2234')/(intval('564477336744321'));
B4(178,177) = intval('-24')/(intval('34506821195')*sqrt(intval('505517')));
B4(179,177) = intval('-19553')/(intval('14173272081045')*sqrt(intval('508353')));
B4(180,177) = intval('6086')*sqrt(intval('7'))/(intval('62286218325045')*sqrt(intval('73027')));
B4(175,178) = intval('41654')/(intval('58878730433565')*sqrt(intval('499813')));
B4(176,178) = intval('-50269')/(intval('35828333838297')*sqrt(intval('502665')));
B4(177,178) = intval('-24')/(intval('34506821195')*sqrt(intval('505517')));
B4(178,178) = intval('56482')/(intval('14596436024435265'));
B4(179,178) = intval('-127786')/(intval('186846958513215')*sqrt(intval('511221')));
B4(180,178) = intval('-2197')/(intval('1619481995505')*sqrt(intval('514073')));
B4(181,178) = intval('2872')/(intval('21349373760715')*sqrt(intval('20677')));
B4(176,179) = intval('25276')/(intval('109013948904861')*sqrt(intval('56165')));
B4(177,179) = intval('-19553')/(intval('14173272081045')*sqrt(intval('508353')));
B4(178,179) = intval('-127786')/(intval('186846958513215')*sqrt(intval('511221')));
B4(179,179) = intval('514058')/(intval('135852496849934865'));
B4(180,179) = intval('-284')*sqrt(intval('7'))/(intval('2955884153475')*sqrt(intval('73851')));
B4(181,179) = intval('-10397')/(intval('38964840311397')*sqrt(intval('20793')));
B4(182,179) = intval('130682')/(intval('5333823420248925')*sqrt(intval('717')));
B4(177,180) = intval('6086')*sqrt(intval('7'))/(intval('62286218325045')*sqrt(intval('73027')));
B4(178,180) = intval('-2197')/(intval('1619481995505')*sqrt(intval('514073')));
B4(179,180) = intval('-284')*sqrt(intval('7'))/(intval('2955884153475')*sqrt(intval('73851')));
B4(180,180) = intval('34654')/(intval('9364261726709175'));
B4(181,180) = intval('-2074')*sqrt(intval('7'))/(intval('109742734487115')*sqrt(intval('2987')));
B4(182,180) = intval('-262817')/(intval('5407801553678175')*sqrt(intval('721')));
B4(183,180) = intval('6292')*sqrt(intval('7'))/(intval('67691535442425')*sqrt(intval('75499')));
B4(178,181) = intval('2872')/(intval('21349373760715')*sqrt(intval('20677')));
B4(179,181) = intval('-10397')/(intval('38964840311397')*sqrt(intval('20793')));
B4(180,181) = intval('-2074')*sqrt(intval('7'))/(intval('109742734487115')*sqrt(intval('2987')));
B4(181,181) = intval('175198')/(intval('48401688664576107'));
B4(182,181) = intval('-132112')/(intval('27413411985113805')*sqrt(intval('29')));
B4(183,181) = intval('-1181')/(intval('4575014119557')*sqrt(intval('21257')));
B4(184,181) = intval('8906')/(intval('69574384847205')*sqrt(intval('21373')));
B4(179,182) = intval('130682')/(intval('5333823420248925')*sqrt(intval('717')));
B4(180,182) = intval('-262817')/(intval('5407801553678175')*sqrt(intval('721')));
B4(181,182) = intval('-132112')/(intval('27413411985113805')*sqrt(intval('29')));
B4(182,182) = intval('106282')/(intval('30015763931920725'));
B4(183,182) = intval('-26714')/(intval('1127037537774225')*sqrt(intval('733')));
B4(184,182) = intval('-268649')/(intval('5712830044676055')*sqrt(intval('737')));
B4(185,182) = intval('135056')/(intval('5791410925620705')*sqrt(intval('741')));
B4(180,183) = intval('6292')*sqrt(intval('7'))/(intval('67691535442425')*sqrt(intval('75499')));
B4(181,183) = intval('-1181')/(intval('4575014119557')*sqrt(intval('21257')));
B4(182,183) = intval('-26714')/(intval('1127037537774225')*sqrt(intval('733')));
B4(183,183) = intval('179086')/(intval('51696045956802555'));
B4(184,183) = intval('-1364')*sqrt(intval('11'))/(intval('23831555025915')*sqrt(intval('49111')));
B4(185,183) = intval('-271589')/(intval('217422986091465')*sqrt(intval('543153')));
B4(186,183) = intval('3034')/(intval('4897717972147')*sqrt(intval('546085')));
B4(181,184) = intval('8906')/(intval('69574384847205')*sqrt(intval('21373')));
B4(182,184) = intval('-268649')/(intval('5712830044676055')*sqrt(intval('737')));
B4(183,184) = intval('-1364')*sqrt(intval('11'))/(intval('23831555025915')*sqrt(intval('49111')));
B4(184,184) = intval('181046')/(intval('53412006858678195'));
B4(185,184) = intval('-2482')*sqrt(intval('11'))/(intval('44076878891115')*sqrt(intval('49647')));
B4(186,184) = intval('-6101')/(intval('4964172761457')*sqrt(intval('549065')));
B4(187,184) = intval('6572')*sqrt(intval('7'))/(intval('75475687903785')*sqrt(intval('78859')));
B4(182,185) = intval('135056')/(intval('5791410925620705')*sqrt(intval('741')));
B4(183,185) = intval('-271589')/(intval('217422986091465')*sqrt(intval('543153')));
B4(184,185) = intval('-2482')*sqrt(intval('11'))/(intval('44076878891115')*sqrt(intval('49647')));
B4(185,185) = intval('21962')/(intval('6621020689723209'));
```

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B4(186,185) = intval('-137992')/(intval('226413938574747')*sqrt(intval('552045')));
B4(187,185) = intval('-277517')/(intval('229482759577905')*sqrt(intval('555009')));
B4(188,185) = intval('139502')/(intval('697764222965565')*sqrt(intval('61997')));
B4(183,186) = intval('3034')/(intval('4897717972147')*sqrt(intval('546085')));
B4(184,186) = intval('-6101')/(intval('4964172761457')*sqrt(intval('549065')));
B4(185,186) = intval('-137992')/(intval('226413938574747')*sqrt(intval('552045')));
B4(186,186) = intval('61666')/(intval('18995525266304769'));
B4(187,186) = intval('-246')*sqrt(intval('7'))/(intval('2871293037743')*sqrt(intval('79715')));
B4(188,186) = intval('-56101')/(intval('47142012379329')*sqrt(intval('560985')));
B4(189,186) = intval('1880')*sqrt(intval('5'))/(intval('15925498125453')*sqrt(intval('112793')));
B4(184,187) = intval('6572')*sqrt(intval('7'))/(intval('75475687903785')*sqrt(intval('78859')));
B4(185,187) = intval('-277517')/(intval('229482759577905')*sqrt(intval('555009')));
B4(186,187) = intval('-246')*sqrt(intval('7'))/(intval('2871293037743')*sqrt(intval('79715')));
B4(187,187) = intval('12466')/(intval('3923151137014965'));
B4(188,187) = intval('-4028')*sqrt(intval('7'))/(intval('47773783638855')*sqrt(intval('80571')));
B4(189,187) = intval('-31501')/(intval('26896869330705')*sqrt(intval('566993')));
B4(190,187) = intval('2262')*sqrt(intval('7'))/(intval('27256934515855')*sqrt(intval('81427')));
B4(185,188) = intval('139502')/(intval('697764222965565')*sqrt(intval('61997')));
B4(186,188) = intval('-56101')/(intval('47142012379329')*sqrt(intval('560985')));
B4(187,188) = intval('-4028')*sqrt(intval('7'))/(intval('47773783638855')*sqrt(intval('80571')));
B4(188,188) = intval('566978')/(intval('182274939829773945'));
B4(189,188) = intval('-142486')/(intval('245298639225255')*sqrt(intval('570021')));
B4(190,188) = intval('-286529')/(intval('248570211580845')*sqrt(intval('573033')));
B4(191,188) = intval('28804')/(intval('151128040756077')*sqrt(intval('64005')));
B4(186,189) = intval('1880')*sqrt(intval('5'))/(intval('15925498125453')*sqrt(intval('112793')));
B4(187,189) = intval('-31501')/(intval('26896869330705')*sqrt(intval('566993')));
B4(188,189) = intval('-142486')/(intval('245298639225255')*sqrt(intval('570021')));
B4(189,189) = intval('191006')/(intval('62720798790315435'));
B4(190,189) = intval('-640')/(intval('1119404784267')*sqrt(intval('576077')));
B4(191,189) = intval('-57913')/(intval('153124448163687')*sqrt(intval('64345')));
B4(192,189) = intval('48514')/(intval('86195881416645')*sqrt(intval('582133')));
B4(187,190) = intval('2262')*sqrt(intval('7'))/(intval('27256934515855')*sqrt(intval('81427')));
B4(188,190) = intval('-286529')/(intval('248570211580845')*sqrt(intval('573033')));
B4(189,190) = intval('-640')/(intval('1119404784267')*sqrt(intval('576077')));
B4(190,190) = intval('38606')/(intval('12947165068452615'));
B4(191,190) = intval('-11194')/(intval('59670791631297')*sqrt(intval('64685')));
B4(192,190) = intval('-2501')/(intval('2239193523105')*sqrt(intval('585209')));
B4(193,190) = intval('49024')/(intval('88479121148145')*sqrt(intval('588253')));
B4(188,191) = intval('28804')/(intval('151128040756077')*sqrt(intval('64005')));
B4(189,191) = intval('-57913')/(intval('153124448163687')*sqrt(intval('64345')));
B4(190,191) = intval('-11194')/(intval('59670791631297')*sqrt(intval('64685')));
B4(191,191) = intval('585194')/(intval('200413536847244721'));
B4(192,191) = intval('-147052')/(intval('796268774615769')*sqrt(intval('65365')));
B4(193,191) = intval('-4549')/(intval('12411098441595')*sqrt(intval('65705')));
B4(194,191) = intval('4246')*sqrt(intval('7'))/(intval('163458883669185')*sqrt(intval('9435')));
B4(189,192) = intval('48514')/(intval('86195881416645')*sqrt(intval('582133')));
B4(190,192) = intval('-2501')/(intval('2239193523105')*sqrt(intval('585209')));
B4(191,192) = intval('-147052')/(intval('796268774615769')*sqrt(intval('65365')));
B4(192,192) = intval('39422')/(intval('13785599350279575'));
B4(193,192) = intval('-254')/(intval('4655669755775')*sqrt(intval('594437')));
B4(194,192) = intval('-298769')/(intval('275974144729725')*sqrt(intval('597513')));
B4(195,192) = intval('16684')/(intval('31063582566275')*sqrt(intval('600589')));
B4(190,193) = intval('49024')/(intval('88479121148145')*sqrt(intval('588253')));
B4(191,193) = intval('-4549')/(intval('12411098441595')*sqrt(intval('65705')));
B4(192,193) = intval('-254')/(intval('4655669755775')*sqrt(intval('594437')));
B4(193,193) = intval('199166')/(intval('71107433868000075'));
B4(194,193) = intval('-21448')*sqrt(intval('7'))/(intval('279557347993275')*sqrt(intval('85803')));
B4(195,193) = intval('-33541')/(intval('31465440038025')*sqrt(intval('603713')));
B4(196,193) = intval('10114')/(intval('19124131260465')*sqrt(intval('606805')));
B4(191,194) = intval('4246')*sqrt(intval('7'))/(intval('163458883669185')*sqrt(intval('9435')));
B4(192,194) = intval('-298769')/(intval('275974144729725')*sqrt(intval('597513')));
B4(193,194) = intval('-21448')*sqrt(intval('7'))/(intval('279557347993275')*sqrt(intval('85803')));
B4(194,194) = intval('603698')/(intval('220031990753006025'));
B4(195,194) = intval('-394')*sqrt(intval('77'))/(intval('57369368394675')*sqrt(intval('7881')));
B4(196,194) = intval('-60997')/(intval('58110777227745')*sqrt(intval('609945')));
B4(197,194) = intval('21896')*sqrt(intval('7'))/(intval('882908905621545')*sqrt(intval('9731')));
B4(192,195) = intval('16684')/(intval('31063582566275')*sqrt(intval('600589')));
B4(193,195) = intval('-33541')/(intval('31465440038025')*sqrt(intval('603713')));
B4(194,195) = intval('-394')*sqrt(intval('77'))/(intval('57369368394675')*sqrt(intval('7881')));
B4(195,195) = intval('1506')/(intval('560287981792525'));
B4(196,195) = intval('-172')*sqrt(intval('11'))/(intval('3633180338067')*sqrt(intval('55735')));
B4(197,195) = intval('-308117')/(intval('298071252388665')*sqrt(intval('616209')));
B4(198,195) = intval('51614')/(intval('100632528085005')*sqrt(intval('619333')));
B4(193,196) = intval('10114')/(intval('19124131260465')*sqrt(intval('606805')));
B4(194,196) = intval('-60997')/(intval('58110777227745')*sqrt(intval('609945')));
B4(195,196) = intval('-172')*sqrt(intval('11'))/(intval('3633180338067')*sqrt(intval('55735')));
B4(196,196) = intval('22822')/(intval('8665920658795323'));
B4(197,196) = intval('-154822')/(intval('301881986469063')*sqrt(intval('619365')));
B4(198,196) = intval('-6917')/(intval('6794298074529')*sqrt(intval('622505')));
B4(199,196) = intval('3476')/(intval('6881070719159')*sqrt(intval('625645')));
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B4(194,197) = intval('21896')*sqrt(intval('7'))/(intval('882908905621545')*sqrt(intval('9731')));
B4(195,197) = intval('-308117')/(intval('298071252388665')*sqrt(intval('616209')));
B4(196,197) = intval('-154822')/(intval('301881986469063')*sqrt(intval('619365')));
B4(197,197) = intval('124498')/(intval('48245070603247245'));
B4(198,197) = intval('-6256')/(intval('12385293821187')*sqrt(intval('625677')));
B4(199,197) = intval('-314429')/(intval('313572747411105')*sqrt(intval('628833')));
B4(200,197) = intval('158006')/(intval('952671460050765')*sqrt(intval('70221')));
B4(195,198) = intval('51614')/(intval('100632528085005')*sqrt(intval('619333')));
B4(196,198) = intval('-6917')/(intval('6794298074529')*sqrt(intval('622505')));
B4(197,198) = intval('-6256')/(intval('12385293821187')*sqrt(intval('625677')));
B4(198,198) = intval('209606')/(intval('82885620627476835'));
B4(199,198) = intval('-17554')/(intval('35282341671255')*sqrt(intval('632021')));
B4(200,198) = intval('-317609')/(intval('964684971526815')*sqrt(intval('70577')));
B4(196,199) = intval('3476')/(intval('6881070719159')*sqrt(intval('625645')));
B4(197,199) = intval('-314429')/(intval('313572747411105')*sqrt(intval('628833')));
B4(198,199) = intval('-17554')/(intval('35282341671255')*sqrt(intval('632021')));
B4(199,199) = intval('211726')/(intval('85426061775969915'));
B4(200,199) = intval('-31916')/(intval('195366353867685')*sqrt(intval('70933')));
B4(197,200) = intval('158006')/(intval('952671460050765')*sqrt(intval('70221')));
B4(198,200) = intval('-317609')/(intval('964684971526815')*sqrt(intval('70577')));
B4(199,200) = intval('-31916')/(intval('195366353867685')*sqrt(intval('70933')));
B4(200,200) = intval('128314')/(intval('52818636449879685'));
```

"function generate_B7.m"

```
function B7 = generate_B7
B7 = intval(zeros(200,200));
B7(1,1) = intval('2')/(intval('3003'));
B7(2,1) = intval('4')/(intval('9009')*sqrt(intval('5')));
B7(3,1) = intval('-1')/(intval('3927')*sqrt(intval('65')));
B7(4,1) = intval('-4')*sqrt(intval('5'))/(intval('171171')*sqrt(intval('17')));
B7(5,1) = intval('16')/(intval('415701')*sqrt(intval('105')));
B7(1,2) = intval('4')/(intval('9009')*sqrt(intval('5')));
B7(2,2) = intval('2')/(intval('19635'));
B7(3,2) = intval('32')/(intval('1119195')*sqrt(intval('13')));
B7(4,2) = intval('-1')/(intval('21945')*sqrt(intval('17')));
B7(5,2) = intval('-16')/(intval('3187041')*sqrt(intval('21')));
B7(6,2) = intval('16')/(intval('15935205'));
B7(1,3) = intval('-1')/(intval('3927')*sqrt(intval('65')));
B7(2,3) = intval('32')/(intval('1119195')*sqrt(intval('13')));
B7(3,3) = intval('2')/(intval('124355'));
B7(4,3) = intval('4')/(intval('302841')*sqrt(intval('221')));
B7(5,3) = intval('-1049')/(intval('18386775')*sqrt(intval('273')));
B7(6,3) = intval('-4')/(intval('5148297')*sqrt(intval('13')));
B7(7,3) = intval('88')/(intval('11700675')*sqrt(intval('377')));
B7(1,4) = intval('-4')*sqrt(intval('5'))/(intval('171171')*sqrt(intval('17')));
B7(2,4) = intval('-1')/(intval('21945')*sqrt(intval('17')));
B7(3,4) = intval('4')/(intval('302841')*sqrt(intval('221')));
B7(4,4) = intval('2')/(intval('398475'));
B7(5,4) = intval('8')/(intval('2220075')*sqrt(intval('357')));
B7(6,4) = intval('-907')/(intval('155687805')*sqrt(intval('17')));
B7(7,4) = intval('-88')/(intval('64009575')*sqrt(intval('493')));
B7(8,4) = intval('104')*sqrt(intval('11'))/(intval('265182525')*sqrt(intval('51')));
B7(1,5) = intval('16')/(intval('415701')*sqrt(intval('105')));
B7(2,5) = intval('-16')/(intval('3187041')*sqrt(intval('21')));
B7(3,5) = intval('-1049')/(intval('18386775')*sqrt(intval('273')));
B7(4,5) = intval('8')/(intval('2220075')*sqrt(intval('357')));
B7(5,5) = intval('206')/(intval('99499725'));
B7(6,5) = intval('236')/(intval('901620585')*sqrt(intval('21')));
B7(7,5) = intval('-28877')/(intval('1709970075')*sqrt(intval('609')));
B7(8,5) = intval('-52')/(intval('265182525')*sqrt(intval('77')));
B7(9,5) = intval('416')/(intval('153526725')*sqrt(intval('777')));
B7(2,6) = intval('16')/(intval('15935205'));
B7(3,6) = intval('-4')/(intval('5148297')*sqrt(intval('13')));
B7(4,6) = intval('-907')/(intval('155687805')*sqrt(intval('17')));
B7(5,6) = intval('236')/(intval('901620585')*sqrt(intval('21')));
B7(6,6) = intval('14006')/(intval('13884957009'));
B7(7,6) = intval('16')/(intval('140821065')*sqrt(intval('29')));
B7(8,6) = intval('-1543')/(intval('722971305')*sqrt(intval('33')));
B7(9,6) = intval('-32')/(intval('558837279')*sqrt(intval('37')));
B7(10,6) = intval('544')/(intval('1498331835')*sqrt(intval('41')));
B7(3,7) = intval('88')/(intval('11700675')*sqrt(intval('377')));
B7(4,7) = intval('-88')/(intval('64009575')*sqrt(intval('493')));
B7(5,7) = intval('-28877')/(intval('1709970075')*sqrt(intval('609')));
B7(6,7) = intval('16')/(intval('140821065')*sqrt(intval('29')));
B7(7,7) = intval('754')/(intval('1371152475'));
B7(8,7) = intval('452')/(intval('1620452925')*sqrt(intval('957')));
B7(9,7) = intval('-6163')/(intval('858782925')*sqrt(intval('1073')));
B7(10,7) = intval('-68')/(intval('444332889')*sqrt(intval('1189')));
B7(11,7) = intval('2584')/(intval('6072549483')*sqrt(intval('145')));
B7(4,8) = intval('104')*sqrt(intval('11'))/(intval('265182525')*sqrt(intval('51')));
B7(5,8) = intval('-52')/(intval('265182525')*sqrt(intval('77')));
B7(6,8) = intval('-1543')/(intval('722971305')*sqrt(intval('33')));
B7(7,8) = intval('452')/(intval('1620452925')*sqrt(intval('957')));
B7(8,8) = intval('27242')/(intval('83770370775'));
B7(9,8) = intval('584')/(intval('3894190209')*sqrt(intval('1221')));
B7(10,8) = intval('-29633')/(intval('5857115355')*sqrt(intval('1353')));
B7(11,8) = intval('-152')*sqrt(intval('5'))/(intval('25946347791')*sqrt(intval('33')));
B7(12,8) = intval('152')*sqrt(intval('11'))/(intval('12554684415')*sqrt(intval('3')));
B7(5,9) = intval('416')/(intval('153526725')*sqrt(intval('777')));
B7(6,9) = intval('-32')/(intval('558837279')*sqrt(intval('37')));
B7(7,9) = intval('-6163')/(intval('858782925')*sqrt(intval('1073')));
B7(8,9) = intval('584')/(intval('3894190209')*sqrt(intval('1221')));
B7(9,9) = intval('14606')/(intval('71393487165'));
B7(10,9) = intval('244')/(intval('2822114295')*sqrt(intval('1517')));
B7(11,9) = intval('-307')/(intval('248831583')*sqrt(intval('185')));
B7(12,9) = intval('-44')/(intval('5768368515')*sqrt(intval('37')));
B7(13,9) = intval('4048')/(intval('5768368515')*sqrt(intval('1961')));
B7(6,10) = intval('544')/(intval('1498331835')*sqrt(intval('41')));
B7(7,10) = intval('-68')/(intval('444332889')*sqrt(intval('1189')));
B7(8,10) = intval('-29633')/(intval('5857115355')*sqrt(intval('1353')));
B7(9,10) = intval('244')/(intval('2822114295')*sqrt(intval('1517')));
B7(10,10) = intval('354')/(intval('2619812195'));
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B7(11,10) = intval('128')/(intval('7287841197')*sqrt(intval('205')));
B7(12,10) = intval('-36653')/(intval('91965615105')*sqrt(intval('41')));
B7(13,10) = intval('-368')/(intval('10833277455')*sqrt(intval('2173')));
B7(14,10) = intval('4784')/(intval('8833287771')*sqrt(intval('2337')));
B7(7,11)  = intval('2584')/(intval('6072549483')*sqrt(intval('145')));
B7(8,11)  = intval('-152')*sqrt(intval('5'))/(intval('25946347791')*sqrt(intval('33')));
B7(9,11)  = intval('-307')/(intval('248831583')*sqrt(intval('185')));
B7(10,11) = intval('128')/(intval('7287841197')*sqrt(intval('205')));
B7(11,11) = intval('490018')/(intval('5278826307027'));
B7(12,11) = intval('1076')/(intval('672591768849')*sqrt(intval('5')));
B7(13,11) = intval('-31091')/(intval('43277554551')*sqrt(intval('265')));
B7(14,11) = intval('-260')*sqrt(intval('5'))/(intval('173721326163')*sqrt(intval('57')));
B7(15,11) = intval('104')*sqrt(intval('5'))/(intval('3655265999')*sqrt(intval('61')));
B7(8,12)  = intval('152')*sqrt(intval('11'))/(intval('12554684415')*sqrt(intval('3')));
B7(9,12)  = intval('-44')/(intval('5768368515')*sqrt(intval('37')));
B7(10,12) = intval('-36653')/(intval('91965615105')*sqrt(intval('41')));
B7(11,12) = intval('1076')/(intval('672591768849')*sqrt(intval('5')));
B7(12,12) = intval('15418')/(intval('234052080735'));
B7(13,12) = intval('8')*sqrt(intval('53'))/(intval('133451692605'));
B7(14,12) = intval('-25645')/(intval('105617949129')*sqrt(intval('57')));
B7(15,12) = intval('-8')/(intval('3655265999')*sqrt(intval('61')));
B7(16,12) = intval('232')/(intval('4744068637')*sqrt(intval('65')));
B7(9,13)  = intval('4048')/(intval('5768368515')*sqrt(intval('1961')));
B7(10,13) = intval('-368')/(intval('10833277455')*sqrt(intval('2173')));
B7(11,13) = intval('-31091')/(intval('43277554551')*sqrt(intval('265')));
B7(12,13) = intval('8')*sqrt(intval('53'))/(intval('133451692605'));
B7(13,13) = intval('63662')/(intval('1325206342845'));
B7(14,13) = intval('4')*sqrt(intval('53'))/(intval('13949540451')*sqrt(intval('57')));
B7(15,13) = intval('-1171')/(intval('858422565')*sqrt(intval('3233')));
B7(16,13) = intval('-116')*sqrt(intval('5'))/(intval('53974969587')*sqrt(intval('689')));
B7(17,13) = intval('57536')/(intval('206374883715')*sqrt(intval('3657')));
B7(10,14) = intval('4784')/(intval('8833287771')*sqrt(intval('2337')));
B7(11,14) = intval('-260')*sqrt(intval('5'))/(intval('173721326163')*sqrt(intval('57')));
B7(12,14) = intval('-25645')/(intval('105617949129')*sqrt(intval('57')));
B7(13,14) = intval('4')*sqrt(intval('53'))/(intval('13949540451')*sqrt(intval('57')));
B7(14,14) = intval('36662')/(intval('1022471635185'));
B7(15,14) = intval('1712')/(intval('160434659385')*sqrt(intval('3477')));
B7(16,14) = intval('-226417')/(intval('203701201011')*sqrt(intval('3705')));
B7(17,14) = intval('-1984')/(intval('771190354935')*sqrt(intval('437')));
B7(18,14) = intval('371008')/(intval('1612488923955')*sqrt(intval('4161')));
B7(11,15) = intval('104')*sqrt(intval('5'))/(intval('3655265999')*sqrt(intval('61')));
B7(12,15) = intval('-8')/(intval('3655265999')*sqrt(intval('61')));
B7(13,15) = intval('-1171')/(intval('858422565')*sqrt(intval('3233')));
B7(14,15) = intval('1712')/(intval('160434659385')*sqrt(intval('3477')));
B7(15,15) = intval('8662')/(intval('317239575345'));
B7(16,15) = intval('652')/(intval('84996263583')*sqrt(intval('3965')));
B7(17,15) = intval('-112529')/(intval('122623068015')*sqrt(intval('4209')));
B7(18,15) = intval('-748')/(intval('132171223275')*sqrt(intval('4453')));
B7(19,15) = intval('136')*sqrt(intval('11'))/(intval('7787327925')*sqrt(intval('427')));
B7(12,16) = intval('232')/(intval('4744068637')*sqrt(intval('65')));
B7(13,16) = intval('-116')*sqrt(intval('5'))/(intval('53974969587')*sqrt(intval('689')));
B7(14,16) = intval('-226417')/(intval('203701201011')*sqrt(intval('3705')));
B7(15,16) = intval('652')/(intval('84996263583')*sqrt(intval('3965')));
B7(16,16) = intval('728006')/(intval('34408032885009'));
B7(17,16) = intval('2216')/(intval('393684586785')*sqrt(intval('4485')));
B7(18,16) = intval('-709')*sqrt(intval('5'))/(intval('4625131203')*sqrt(intval('949')));
B7(19,16) = intval('-8')/(intval('1892919711')*sqrt(intval('5005')));
B7(20,16) = intval('5624')/(intval('312331752315')*sqrt(intval('65')));
B7(13,17) = intval('57536')/(intval('206374883715')*sqrt(intval('3657')));
B7(14,17) = intval('-1984')/(intval('771190354935')*sqrt(intval('437')));
B7(15,17) = intval('-112529')/(intval('122623068015')*sqrt(intval('4209')));
B7(16,17) = intval('2216')/(intval('393684586785')*sqrt(intval('4485')));
B7(17,17) = intval('1222')/(intval('73398821265'));
B7(18,17) = intval('356')/(intval('84640230675')*sqrt(intval('5037')));
B7(19,17) = intval('-467081')/(intval('722190020175')*sqrt(intval('5313')));
B7(20,17) = intval('-2812')/(intval('7889771656305')*sqrt(intval('69')));
B7(21,17) = intval('146224')/(intval('1059820073235')*sqrt(intval('5865')));
B7(14,18) = intval('371008')/(intval('1612488923955')*sqrt(intval('4161')));
B7(15,18) = intval('-748')/(intval('132171223275')*sqrt(intval('4453')));
B7(16,18) = intval('-709')*sqrt(intval('5'))/(intval('4625131203')*sqrt(intval('949')));
B7(17,18) = intval('356')/(intval('84640230675')*sqrt(intval('5037')));
B7(18,18) = intval('46534')/(intval('3504105549945'));
B7(19,18) = intval('928')/(intval('290550210435')*sqrt(intval('5621')));
B7(20,18) = intval('-21443')/(intval('350405588225')*sqrt(intval('73')));
B7(21,18) = intval('-208')/(intval('84204882531')*sqrt(intval('6205')));
B7(22,18) = intval('8528')/(intval('72006187275')*sqrt(intval('6497')));
B7(15,19) = intval('136')*sqrt(intval('11'))/(intval('7787327925')*sqrt(intval('427')));
B7(16,19) = intval('-8')/(intval('1892919711')*sqrt(intval('5005')));
B7(17,19) = intval('-467081')/(intval('722190020175')*sqrt(intval('5313')));
B7(18,19) = intval('928')/(intval('290550210435')*sqrt(intval('5621')));
B7(19,19) = intval('19234')/(intval('1793894582835'));
B7(20,19) = intval('3092')/(intval('11309335413525')*sqrt(intval('77')));
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B7(21,19) = intval('-15773')/(intval('33356449107')*sqrt(intval('6545')));
B7(22,19) = intval('-164')/(intval('85098221325')*sqrt(intval('6853')));
B7(23,19) = intval('14104')*sqrt(intval('11'))/(intval('1514748339585')*sqrt(intval('651')));
B7(16,20) = intval('5624')/(intval('312331752315')*sqrt(intval('65')));
B7(17,20) = intval('-2812')/(intval('7889771656305')*sqrt(intval('69')));
B7(18,20) = intval('-21443')/(intval('350405588225')*sqrt(intval('73')));
B7(19,20) = intval('3092')/(intval('11309335413525')*sqrt(intval('77')));
B7(20,20) = intval('42458')/(intval('4851510209007'));
B7(21,20) = intval('488')/(intval('2286972983295')*sqrt(intval('85')));
B7(22,20) = intval('-22793')/(intval('501554208155')*sqrt(intval('89')));
B7(23,20) = intval('-3784')/(intval('22384614351645')*sqrt(intval('93')));
B7(24,20) = intval('87032')/(intval('8783836011405')*sqrt(intval('97')));
B7(17,21) = intval('146224')/(intval('1059820073235')*sqrt(intval('5865')));
B7(18,21) = intval('-208')/(intval('84204882531')*sqrt(intval('6205')));
B7(19,21) = intval('-15773')/(intval('33356449107')*sqrt(intval('6545')));
B7(20,21) = intval('488')/(intval('2286972983295')*sqrt(intval('85')));
B7(21,21) = intval('102286')/(intval('14179232496429'));
B7(22,21) = intval('1252')/(intval('825552862407')*sqrt(intval('7565')));
B7(23,21) = intval('-1036457')/(intval('2910166541919')*sqrt(intval('7905')));
B7(24,21) = intval('-92')*sqrt(intval('5'))/(intval('378910573041')*sqrt(intval('1649')));
B7(25,21) = intval('34592')/(intval('442823199819')*sqrt(intval('8585')));
B7(18,22) = intval('8528')/(intval('72006187275')*sqrt(intval('6497')));
B7(19,22) = intval('-164')/(intval('85098221325')*sqrt(intval('6853')));
B7(20,22) = intval('-22793')/(intval('501554208155')*sqrt(intval('89')));
B7(21,22) = intval('1252')/(intval('825552862407')*sqrt(intval('7565')));
B7(22,22) = intval('516926')/(intval('86160548741085'));
B7(23,22) = intval('4112')/(intval('3397010882265')*sqrt(intval('8277')));
B7(24,22) = intval('-412219')/(intval('1321083228465')*sqrt(intval('8633')));
B7(25,22) = intval('-1504')/(intval('1537442345439')*sqrt(intval('8989')));
B7(26,22) = intval('1504')*sqrt(intval('35'))/(intval('764934368913')*sqrt(intval('267')));
B7(19,23) = intval('14104')*sqrt(intval('11'))/(intval('1514748339585')*sqrt(intval('651')));
B7(20,23) = intval('-3784')/(intval('22384614351645')*sqrt(intval('93')));
B7(21,23) = intval('-1036457')/(intval('2910166541919')*sqrt(intval('7905')));
B7(22,23) = intval('4112')/(intval('3397010882265')*sqrt(intval('8277')));
B7(23,23) = intval('97406')/(intval('19363177438605'));
B7(24,23) = intval('236')/(intval('241892938287')*sqrt(intval('9021')));
B7(25,23) = intval('-41843')/(intval('152205082029')*sqrt(intval('9393')));
B7(26,23) = intval('-20')*sqrt(intval('35'))/(intval('2640257337861')*sqrt(intval('31')));
B7(27,23) = intval('12376')/(intval('203096718297')*sqrt(intval('10137')));
B7(20,24) = intval('87032')/(intval('8783836011405')*sqrt(intval('97')));
B7(21,24) = intval('-92')*sqrt(intval('5'))/(intval('378910573041')*sqrt(intval('1649')));
B7(22,24) = intval('-412219')/(intval('1321083228465')*sqrt(intval('8633')));
B7(23,24) = intval('236')/(intval('241892938287')*sqrt(intval('9021')));
B7(24,24) = intval('5494')/(intval('1292876049465'));
B7(25,24) = intval('232')/(intval('292403716605')*sqrt(intval('9797')));
B7(26,24) = intval('-1722433')/(intval('7074884650779')*sqrt(intval('10185')));
B7(27,24) = intval('-1768')/(intval('2711445878295')*sqrt(intval('10573')));
B7(28,24) = intval('93704')/(intval('1728348542305')*sqrt(intval('10961')));
B7(21,25) = intval('34592')/(intval('442823199819')*sqrt(intval('8585')));
B7(22,25) = intval('-1504')/(intval('1537442345439')*sqrt(intval('8989')));
B7(23,25) = intval('-41843')/(intval('152205082029')*sqrt(intval('9393')));
B7(24,25) = intval('232')/(intval('292403716605')*sqrt(intval('9797')));
B7(25,25) = intval('859534')/(intval('237814191974205'));
B7(26,25) = intval('5276')/(intval('8109792721701')*sqrt(intval('10605')));
B7(27,25) = intval('-3354959')/(intval('15487315410105')*sqrt(intval('11009')));
B7(28,25) = intval('-212')/(intval('393584321515')*sqrt(intval('11413')));
B7(29,25) = intval('9328')/(intval('577597770535')*sqrt(intval('1313')));
B7(22,26) = intval('1504')*sqrt(intval('35'))/(intval('764934368913')*sqrt(intval('267')));
B7(23,26) = intval('-20')*sqrt(intval('35'))/(intval('2640257337861')*sqrt(intval('31')));
B7(24,26) = intval('-1722433')/(intval('7074884650779')*sqrt(intval('10185')));
B7(25,26) = intval('5276')/(intval('8109792721701')*sqrt(intval('10605')));
B7(26,26) = intval('15070018')/(intval('4871424438567027'));
B7(27,26) = intval('5696')/(intval('10597064417577')*sqrt(intval('11445')));
B7(28,26) = intval('-2338769')/(intval('12080482928163')*sqrt(intval('11865')));
B7(29,26) = intval('-176')*sqrt(intval('5'))/(intval('5891497259457')*sqrt(intval('273')));
B7(30,26) = intval('8816')/(intval('2230761098241')*sqrt(intval('105')));
B7(23,27) = intval('12376')/(intval('203096718297')*sqrt(intval('10137')));
B7(24,27) = intval('-1768')/(intval('2711445878295')*sqrt(intval('10573')));
B7(25,27) = intval('-3354959')/(intval('15487315410105')*sqrt(intval('11009')));
B7(26,27) = intval('5696')/(intval('10597064417577')*sqrt(intval('11445')));
B7(27,27) = intval('1167422')/(intval('438333119090685'));
B7(28,27) = intval('292')/(intval('652910104665')*sqrt(intval('12317')));
B7(29,27) = intval('-128693')/(intval('2222364914385')*sqrt(intval('1417')));
B7(30,27) = intval('-2204')/(intval('64610209056393')*sqrt(intval('109')));
B7(31,27) = intval('260072')/(intval('33210855122445')*sqrt(intval('545')));
B7(24,28) = intval('93704')/(intval('1728348542305')*sqrt(intval('10961')));
B7(25,28) = intval('-212')/(intval('393584321515')*sqrt(intval('11413')));
B7(26,28) = intval('-2338769')/(intval('12080482928163')*sqrt(intval('11865')));
B7(27,28) = intval('292')/(intval('652910104665')*sqrt(intval('12317')));
B7(28,28) = intval('706')/(intval('306242447115'));
B7(29,28) = intval('6584')/(intval('52734949393203')*sqrt(intval('1469')));
B7(30,28) = intval('-26557')/(intval('1866856039125')*sqrt(intval('113')));
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B7(31,28) = intval('-472')/(intval('7465094868231')*sqrt(intval('565')));
B7(32,28) = intval('892552')/(intval('25219915095375')*sqrt(intval('14577')));
B7(25,29) = intval('9328')/(intval('577597770535')*sqrt(intval('1313')));
B7(26,29) = intval('-176')*sqrt(intval('5'))/(intval('5891497259457')*sqrt(intval('273')));
B7(27,29) = intval('-128693')/(intval('2222364914385')*sqrt(intval('1417')));
B7(28,29) = intval('6584')/(intval('52734949393203')*sqrt(intval('1469')));
B7(29,29) = intval('4653962')/(intval('2320502056632375'));
B7(30,29) = intval('172')/(intval('17984728810125')*sqrt(intval('13')));
B7(31,29) = intval('-28907')/(intval('3065505126915')*sqrt(intval('65')));
B7(32,29) = intval('-7564')/(intval('84713048140875')*sqrt(intval('1677')));
B7(33,29) = intval('242048')/(intval('22625224037625')*sqrt(intval('1729')));
B7(26,30) = intval('8816')/(intval('2230761098241')*sqrt(intval('105')));
B7(27,30) = intval('-2204')/(intval('64610209056393')*sqrt(intval('109')));
B7(28,30) = intval('-26557')/(intval('1866856039125')*sqrt(intval('113')));
B7(29,30) = intval('172')/(intval('17984728810125')*sqrt(intval('13')));
B7(30,30) = intval('15174')/(intval('8656040647625'));
B7(31,30) = intval('2512')/(intval('516595569935445')*sqrt(intval('5')));
B7(32,30) = intval('-70571')/(intval('6051515344875')*sqrt(intval('129')));
B7(33,30) = intval('-128')/(intval('6170515646625')*sqrt(intval('133')));
B7(34,30) = intval('1664')/(intval('626950787625')*sqrt(intval('137')));
B7(27,31) = intval('260072')/(intval('33210855122445')*sqrt(intval('545')));
B7(28,31) = intval('-472')/(intval('7465094868231')*sqrt(intval('565')));
B7(29,31) = intval('-28907')/(intval('3065505126915')*sqrt(intval('65')));
B7(30,31) = intval('2512')/(intval('516595569935445')*sqrt(intval('5')));
B7(31,31) = intval('1444858')/(intval('938856296665287'));
B7(32,31) = intval('4')/(intval('87780222585')*sqrt(intval('645')));
B7(33,31) = intval('-1531987')/(intval('65639767619745')*sqrt(intval('665')));
B7(34,31) = intval('-572')/(intval('14640554792619')*sqrt(intval('685')));
B7(35,31) = intval('1303016')/(intval('244604391047415')*sqrt(intval('705')));
B7(28,32) = intval('892552')/(intval('25219915095375')*sqrt(intval('14577')));
B7(29,32) = intval('-7564')/(intval('84713048140875')*sqrt(intval('1677')));
B7(30,32) = intval('-70571')/(intval('6051515344875')*sqrt(intval('129')));
B7(31,32) = intval('4')/(intval('87780222585')*sqrt(intval('645')));
B7(32,32) = intval('6885674')/(intval('5075633193852375'));
B7(33,32) = intval('8552')/(intval('43839744854625')*sqrt(intval('17157')));
B7(34,32) = intval('-5194369')/(intval('48788008738875')*sqrt(intval('17673')));
B7(35,32) = intval('-9112')/(intval('162690362417583')*sqrt(intval('2021')));
B7(36,32) = intval('209576')/(intval('8601177765609')*sqrt(intval('18705')));
B7(29,33) = intval('242048')/(intval('22625224037625')*sqrt(intval('1729')));
B7(30,33) = intval('-128')/(intval('6170515646625')*sqrt(intval('133')));
B7(31,33) = intval('-1531987')/(intval('65639767619745')*sqrt(intval('665')));
B7(32,33) = intval('8552')/(intval('43839744854625')*sqrt(intval('17157')));
B7(33,33) = intval('2594254')/(intval('2160978642712125'));
B7(34,33) = intval('3028')/(intval('18044960344983')*sqrt(intval('18221')));
B7(35,33) = intval('-5849353')/(intval('60054135911055')*sqrt(intval('18753')));
B7(36,33) = intval('-92')*sqrt(intval('5'))/(intval('3168854966277')*sqrt(intval('3857')));
B7(37,33) = intval('26128')/(intval('1169170407405')*sqrt(intval('19817')));
B7(30,34) = intval('1664')/(intval('626950787625')*sqrt(intval('137')));
B7(31,34) = intval('-572')/(intval('14640554792619')*sqrt(intval('685')));
B7(32,34) = intval('-5194369')/(intval('48788008738875')*sqrt(intval('17673')));
B7(33,34) = intval('3028')/(intval('18044960344983')*sqrt(intval('18221')));
B7(34,34) = intval('2921566')/(intval('2740134332700765'));
B7(35,34) = intval('1376')/(intval('9490816590255')*sqrt(intval('19317')));
B7(36,34) = intval('-312589')/(intval('3499035987447')*sqrt(intval('19865')));
B7(37,34) = intval('-1136')/(intval('9020533727205')*sqrt(intval('20413')));
B7(38,34) = intval('3068336')/(intval('448019841784515')*sqrt(intval('2329')));
B7(31,35) = intval('1303016')/(intval('244604391047415')*sqrt(intval('705')));
B7(32,35) = intval('-9112')/(intval('162690362417583')*sqrt(intval('2021')));
B7(33,35) = intval('-5849353')/(intval('60054135911055')*sqrt(intval('18753')));
B7(34,35) = intval('1376')/(intval('9490816590255')*sqrt(intval('19317')));
B7(35,35) = intval('1405238')/(intval('1478901061502865'));
B7(36,35) = intval('10196')/(intval('81057735131373')*sqrt(intval('20445')));
B7(37,35) = intval('-36714877')/(intval('446996235120435')*sqrt(intval('21009')));
B7(38,35) = intval('-10804')/(intval('295502448836595')*sqrt(intval('2397')));
B7(39,35) = intval('410552')/(intval('21684352360671')*sqrt(intval('22137')));
B7(32,36) = intval('209576')/(intval('8601177765609')*sqrt(intval('18705')));
B7(33,36) = intval('-92')*sqrt(intval('5'))/(intval('3168854966277')*sqrt(intval('3857')));
B7(34,36) = intval('-312589')/(intval('3499035987447')*sqrt(intval('19865')));
B7(35,36) = intval('10196')/(intval('81057735131373')*sqrt(intval('20445')));
B7(36,36) = intval('18340006')/(intval('21588376789989009'));
B7(37,36) = intval('3592')/(intval('32784974305083')*sqrt(intval('21605')));
B7(38,36) = intval('-2729611')/(intval('108187177869771')*sqrt(intval('2465')));
B7(39,36) = intval('-760')*sqrt(intval('5'))/(intval('39630023279847')*sqrt(intval('4553')));
B7(40,36) = intval('21736')*sqrt(intval('5'))/(intval('6215697956979')*sqrt(intval('4669')));
B7(33,37) = intval('26128')/(intval('1169170407405')*sqrt(intval('19817')));
B7(34,37) = intval('-1136')/(intval('9020533727205')*sqrt(intval('20413')));
B7(35,37) = intval('-36714877')/(intval('446996235120435')*sqrt(intval('21009')));
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B7(36,37) = intval('3592')/(intval('32784974305083')*sqrt(intval('21605')));
B7(37,37) = intval('454526')/(intval('596602669908245'));
B7(38,37) = intval('11372')/(intval('356169553875135')*sqrt(intval('2533')));
B7(39,37) = intval('-28907')/(intval('413529599469')*sqrt(intval('23393')));
B7(40,37) = intval('-572')/(intval('6799723268373')*sqrt(intval('23989')));
B7(41,37) = intval('32864')*sqrt(intval('11'))/(intval('22341947881797')*sqrt(intval('2235')));
B7(34,38) = intval('3068336')/(intval('448019841784515')*sqrt(intval('2329')));
B7(35,38) = intval('-10804')/(intval('295502448836595')*sqrt(intval('2397')));
B7(36,38) = intval('-2729611')/(intval('1081187177869771')*sqrt(intval('2465')));
B7(37,38) = intval('11372')/(intval('356169553875135')*sqrt(intval('2533')));
B7(38,38) = intval('1949558')/(intval('2845205270699505'));
B7(39,38) = intval('1712')/(intval('61115984070813')*sqrt(intval('2669')));
B7(40,38) = intval('-3365819')/(intval('156088885670355')*sqrt(intval('2737')));
B7(41,38) = intval('-2528')*sqrt(intval('5'))/(intval('512112491643543')*sqrt(intval('561')));
B7(42,38) = intval('310944')/(intval('808301173344665')*sqrt(intval('17')));
B7(35,39) = intval('410552')/(intval('21684352360671')*sqrt(intval('22137')));
B7(36,39) = intval('-760')*sqrt(intval('5'))/(intval('39630023279847')*sqrt(intval('4553')));
B7(37,39) = intval('-28907')/(intval('413529599469')*sqrt(intval('23393')));
B7(38,39) = intval('1712')/(intval('61115984070813')*sqrt(intval('2669')));
B7(39,39) = intval('1681546')/(intval('2721116433629055'));
B7(40,39) = intval('4204')/(intval('56829352338495')*sqrt(intval('25277')));
B7(41,39) = intval('-11168057')/(intval('186185412134631')*sqrt(intval('25905')));
B7(42,39) = intval('-492')/(intval('978198872200055')*sqrt(intval('157')));
B7(43,39) = intval('81672')/(intval('5860177575395')*sqrt(intval('27161')));
B7(36,40) = intval('21736')*sqrt(intval('5'))/(intval('6215697956979')*sqrt(intval('4669')));
B7(37,40) = intval('-572')/(intval('6799723268373')*sqrt(intval('23989')));
B7(38,40) = intval('-3365819')/(intval('156088885670355')*sqrt(intval('2737')));
B7(39,40) = intval('4204')/(intval('56829352338495')*sqrt(intval('25277')));
B7(40,40) = intval('5579726')/(intval('99857828185525085'));
B7(41,40) = intval('13256')/(intval('202919650857729')*sqrt(intval('26565')));
B7(42,40) = intval('-20535959')/(intval('4791018555611145')*sqrt(intval('161')));
B7(43,40) = intval('-664')/(intval('11465564821425')*sqrt(intval('27853')));
B7(44,40) = intval('485384')/(intval('37425334228425')*sqrt(intval('28497')));
B7(37,41) = intval('32864')*sqrt(intval('11'))/(intval('22341947881797')*sqrt(intval('2235')));
B7(38,41) = intval('-2528')*sqrt(intval('5'))/(intval('512112491643543')*sqrt(intval('561')));
B7(39,41) = intval('-11168057')/(intval('186185412134631')*sqrt(intval('25905')));
B7(40,41) = intval('13256')/(intval('202919650857729')*sqrt(intval('26565')));
B7(41,41) = intval('7103386')/(intval('14024617953698079'));
B7(42,41) = intval('284')/(intval('63806269125105')*sqrt(intval('165')));
B7(43,41) = intval('-29807')/(intval('574806176217')*sqrt(intval('28545')));
B7(44,41) = intval('-2924')/(intval('170523431957151')*sqrt(intval('3245')));
B7(45,41) = intval('339184')*sqrt(intval('11'))/(intval('308616027161715')*sqrt(intval('2715')));
B7(38,42) = intval('310944')/(intval('808301173344665')*sqrt(intval('17')));
B7(39,42) = intval('-492')/(intval('978198872200055')*sqrt(intval('157')));
B7(40,42) = intval('-20535959')/(intval('4791018555611145')*sqrt(intval('161')));
B7(41,42) = intval('284')/(intval('63806269125105')*sqrt(intval('165')));
B7(42,42) = intval('2038')/(intval('4428567422433'));
B7(43,42) = intval('256')/(intval('64747903945725')*sqrt(intval('173')));
B7(44,42) = intval('-14894161')/(intval('4005570469875975')*sqrt(intval('177')));
B7(45,42) = intval('-5104')/(intval('1448121358220355')*sqrt(intval('181')));
B7(46,42) = intval('454256')/(intval('523173584506755')*sqrt(intval('185')));
B7(39,43) = intval('81672')/(intval('5860177575395')*sqrt(intval('27161')));
B7(40,43) = intval('-664')/(intval('11465564821425')*sqrt(intval('27853')));
B7(41,43) = intval('-29807')/(intval('574806176217')*sqrt(intval('28545')));
B7(42,43) = intval('256')/(intval('64747903945725')*sqrt(intval('173')));
B7(43,43) = intval('6026')/(intval('14379595845615'));
B7(44,43) = intval('15284')/(intval('333832620348045')*sqrt(intval('30621')));
B7(45,43) = intval('-5440627')/(intval('120547293846525')*sqrt(intval('31313')));
B7(46,43) = intval('-356')/(intval('8700174326613')*sqrt(intval('32005')));
B7(47,43) = intval('212888')/(intval('60508731218925')*sqrt(intval('3633')));
B7(40,44) = intval('485384')/(intval('37425334228425')*sqrt(intval('28497')));
B7(41,44) = intval('-2924')/(intval('170523431957151')*sqrt(intval('3245')));
B7(42,44) = intval('-14894161')/(intval('4005570469875975')*sqrt(intval('177')));
B7(43,44) = intval('15284')/(intval('333832620348045')*sqrt(intval('30621')));
B7(44,44) = intval('4893442')/(intval('12795584448190635'));
B7(45,44) = intval('15992')/(intval('391116789011025')*sqrt(intval('32037')));
B7(46,44) = intval('-101999')*sqrt(intval('5'))/(intval('12084006624921')*sqrt(intval('6549')));
B7(47,44) = intval('-2392')/(intval('587652593024475')*sqrt(intval('413')));
B7(48,44) = intval('3485144')/(intval('352591555814685')*sqrt(intval('34161')));
B7(41,45) = intval('339184')*sqrt(intval('11'))/(intval('308616027161715')*sqrt(intval('2715')));
B7(42,45) = intval('-5104')/(intval('1448121358220355')*sqrt(intval('181')));
B7(43,45) = intval('-5440627')/(intval('120547293846525')*sqrt(intval('31313')));
B7(44,45) = intval('15992')/(intval('391116789011025')*sqrt(intval('32037')));
B7(45,45) = intval('36406')/(intval('104101761887145'));
B7(46,45) = intval('796')/(intval('21744111176865')*sqrt(intval('33485')));
B7(47,45) = intval('-10823653')/(intval('821559248222185')*sqrt(intval('3801')));
B7(48,45) = intval('-5828')/(intval('177269787730035')*sqrt(intval('34933')));
B7(49,45) = intval('1771712')/(intval('191134463865345')*sqrt(intval('35657')));
B7(42,46) = intval('454256')/(intval('523173584506755')*sqrt(intval('185')));
B7(43,46) = intval('-356')/(intval('8700174326613')*sqrt(intval('32005')));
B7(44,46) = intval('-101999')*sqrt(intval('5'))/(intval('12084006624921')*sqrt(intval('6549')));
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B7(45,46) = intval('796')/(intval('21744111176865')*sqrt(intval('33485')));
B7(46,46) = intval('16226002')/(intval('50639135716095003'));
B7(47,46) = intval('17456')/(intval('1593967952322603')*sqrt(intval('3885')));
B7(48,46) = intval('-2358313')/(intval('63625837446171')*sqrt(intval('35705')));
B7(49,46) = intval('-1216')*sqrt(intval('5'))/(intval('205598693563263')*sqrt(intval('7289')));
B7(50,46) = intval('825664')/(intval('94854666585393')*sqrt(intval('37185')));
B7(43,47) = intval('212888')/(intval('60508731218925')*sqrt(intval('3633')));
B7(44,47) = intval('-2392')/(intval('587652593024475')*sqrt(intval('413')));
B7(45,47) = intval('-10823653')/(intval('821559248222185')*sqrt(intval('3801')));
B7(46,47) = intval('17456')/(intval('1593967952322603')*sqrt(intval('3885')));
B7(47,47) = intval('31819418')/(intval('108179072667406455'));
B7(48,47) = intval('18212')/(intval('1848764960995095')*sqrt(intval('4053')));
B7(49,47) = intval('-2564593')/(intval('221042224539565')*sqrt(intval('4137')));
B7(50,47) = intval('-388')*sqrt(intval('7'))/(intval('916928443658799')*sqrt(intval('67')));
B7(51,47) = intval('8536')*sqrt(intval('35'))/(intval('109508388101853')*sqrt(intval('123')));
B7(44,48) = intval('3485144')/(intval('352591555814685')*sqrt(intval('34161')));
B7(45,48) = intval('-5828')/(intval('177269787730035')*sqrt(intval('34933')));
B7(46,48) = intval('-2358313')/(intval('63625837446171')*sqrt(intval('35705')));
B7(47,48) = intval('18212')/(intval('1848764960995095')*sqrt(intval('4053')));
B7(48,48) = intval('3844826')/(intval('14214274864044255'));
B7(49,48) = intval('904')/(intval('33931730365533')*sqrt(intval('38021')));
B7(50,48) = intval('-715915')/(intval('21874577872329')*sqrt(intval('38793')));
B7(51,48) = intval('-440')*sqrt(intval('5'))/(intval('91351556913981')*sqrt(intval('7913')));
B7(52,48) = intval('13736')*sqrt(intval('11'))/(intval('19609496510331')*sqrt(intval('3667')));
B7(45,49) = intval('1771712')/(intval('191134463865345')*sqrt(intval('35657')));
B7(46,49) = intval('-1216')*sqrt(intval('5'))/(intval('205598693563263')*sqrt(intval('7289')));
B7(47,49) = intval('-2564593')/(intval('221042224539565')*sqrt(intval('4137')));
B7(48,49) = intval('904')/(intval('33931730365533')*sqrt(intval('38021')));
B7(49,49) = intval('1788866')/(intval('7179192042311835'));
B7(50,49) = intval('19772')/(intval('821499586931205')*sqrt(intval('39597')));
B7(51,49) = intval('-9052291')/(intval('293792841675333')*sqrt(intval('40385')));
B7(52,49) = intval('-6868')/(intval('315045971853795')*sqrt(intval('41173')));
B7(53,49) = intval('36785008')/(intval('5064969855187935')*sqrt(intval('41961')));
B7(46,50) = intval('825664')/(intval('94854666585393')*sqrt(intval('37185')));
B7(47,50) = intval('-388')*sqrt(intval('7'))/(intval('916928443658799')*sqrt(intval('67')));
B7(48,50) = intval('-715915')/(intval('21874577872329')*sqrt(intval('38793')));
B7(49,50) = intval('19772')/(intval('821499586931205')*sqrt(intval('39597')));
B7(50,50) = intval('40715162')/(intval('177086924045646615'));
B7(51,50) = intval('20576')/(intval('944403916937481')*sqrt(intval('41205')));
B7(52,50) = intval('-146929877')/(intval('5059182558345615')*sqrt(intval('42009')));
B7(53,50) = intval('-21424')/(intval('3250652295120615')*sqrt(intval('4757')));
B7(54,50) = intval('1135472')/(intval('165682923871905')*sqrt(intval('43617')));
B7(47,51) = intval('8536')*sqrt(intval('35'))/(intval('109508388101853')*sqrt(intval('123')));
B7(48,51) = intval('-440')*sqrt(intval('5'))/(intval('91351556913981')*sqrt(intval('7913')));
B7(49,51) = intval('-9052291')/(intval('293792841675333')*sqrt(intval('40385')));
B7(50,51) = intval('20576')/(intval('944403916937481')*sqrt(intval('41205')));
B7(51,51) = intval('73430006')/(intval('345579187143969009'));
B7(52,51) = intval('7132')/(intval('360913828168719')*sqrt(intval('42845')));
B7(53,51) = intval('-4535647')/(intval('165500792179569')*sqrt(intval('43665')));
B7(54,51) = intval('-212')*sqrt(intval('5'))/(intval('58999285086093')*sqrt(intval('8897')));
B7(55,51) = intval('45368')/(intval('7007577922103')*sqrt(intval('45305')));
B7(48,52) = intval('13736')*sqrt(intval('11'))/(intval('19609496510331')*sqrt(intval('3667')));
B7(49,52) = intval('-6868')/(intval('315045971853795')*sqrt(intval('41173')));
B7(50,52) = intval('-146929877')/(intval('5059182558345615')*sqrt(intval('42009')));
B7(51,52) = intval('7132')/(intval('360913828168719')*sqrt(intval('42845')));
B7(52,52) = intval('2266786')/(intval('11525665216141755'));
B7(53,52) = intval('3176')/(intval('176870624506695')*sqrt(intval('44517')));
B7(54,52) = intval('-11417611')/(intval('441010165125465')*sqrt(intval('45353')));
B7(55,52) = intval('-856')/(intval('52338895389487')*sqrt(intval('46189')));
B7(56,52) = intval('93304')*sqrt(intval('11'))/(intval('2514542582842745')*sqrt(intval('19')));
B7(49,53) = intval('36785008')/(intval('5064969855187935')*sqrt(intval('41961')));
B7(50,53) = intval('-21424')/(intval('3250652295120615')*sqrt(intval('4757')));
B7(51,53) = intval('-4535647')/(intval('165500792179569')*sqrt(intval('43665')));
B7(52,53) = intval('3176')/(intval('176870624506695')*sqrt(intval('44517')));
B7(53,53) = intval('51356618')/(intval('281706112942749495'));
B7(54,53) = intval('23084')/(intval('1412171814909141')*sqrt(intval('46221')));
B7(55,53) = intval('-36901289')/(intval('1507187113098975')*sqrt(intval('47073')));
B7(56,53) = intval('-4796')/(intval('4823671827932139')*sqrt(intval('213')));
B7(57,53) = intval('1419616')/(intval('244939327755525')*sqrt(intval('48777')));
B7(50,54) = intval('1135472')/(intval('165682923871905')*sqrt(intval('43617')));
B7(51,54) = intval('-212')*sqrt(intval('5'))/(intval('58999285086093')*sqrt(intval('8897')));
B7(52,54) = intval('-11417611')/(intval('441010165125465')*sqrt(intval('45353')));
B7(53,54) = intval('23084')/(intval('1412171814909141')*sqrt(intval('46221')));
B7(54,54) = intval('1418678')/(intval('8383294218942225'));
B7(55,54) = intval('7984')/(intval('535605907036275')*sqrt(intval('47957')));
B7(56,54) = intval('-1017959')/(intval('658803727043355')*sqrt(intval('217')));
B7(57,54) = intval('-1184')/(intval('869135550100025')*sqrt(intval('49693')));
B7(58,54) = intval('2542048')/(intval('462867341797575')*sqrt(intval('50561')));
B7(51,55) = intval('45368')/(intval('7007577922103')*sqrt(intval('45305')));
B7(52,55) = intval('-856')/(intval('52338895389487')*sqrt(intval('46189')));
B7(53,55) = intval('-36901289')/(intval('1507187113098975')*sqrt(intval('47073')));
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B7(54,55) = intval('7984')/(intval('535605907036275')*sqrt(intval('47957')));
B7(55,55) = intval('6614026')/(intval('42047179049531775'));
B7(56,55) = intval('3548')/(intval('3908611010238165')*sqrt(intval('221')));
B7(57,55) = intval('-3385379')/(intval('154142778745725')*sqrt(intval('50609')));
B7(58,55) = intval('-8588')/(intval('689064956793675')*sqrt(intval('51493')));
B7(59,55) = intval('11456392')/(intval('2199344314149675')*sqrt(intval('52377')));
B7(52,56) = intval('93304')*sqrt(intval('11'))/(intval('2514542582842745')*sqrt(intval('19')));
B7(53,56) = intval('-4796')/(intval('4823671827932139')*sqrt(intval('213')));
B7(54,56) = intval('-1017959')/(intval('658803727043355')*sqrt(intval('217')));
B7(55,56) = intval('3548')/(intval('3908611010238165')*sqrt(intval('221')));
B7(56,56) = intval('3514198')/(intval('24003113506284297'));
B7(57,56) = intval('25736')/(intval('30988665345132495')*sqrt(intval('229')));
B7(58,56) = intval('-15257707')/(intval('10986653041699335')*sqrt(intval('233')));
B7(59,56) = intval('-5336')/(intval('7008577214423631')*sqrt(intval('237')));
B7(60,56) = intval('4092712')/(intval('12414295962768315')*sqrt(intval('241')));
B7(53,57) = intval('1419616')/(intval('244939327755525')*sqrt(intval('48777')));
B7(54,57) = intval('-1184')/(intval('86913955010025')*sqrt(intval('49693')));
B7(55,57) = intval('-3385379')/(intval('154142778745725')*sqrt(intval('50609')));
B7(56,57) = intval('25736')/(intval('30988665345132495')*sqrt(intval('229')));
B7(57,57) = intval('2541982')/(intval('18630932741746325'));
B7(58,57) = intval('8884')/(intval('778263770366775')*sqrt(intval('53357')));
B7(59,57) = intval('-49058249')/(intval('2480663308020975')*sqrt(intval('54273')));
B7(60,57) = intval('-3068')/(intval('292738556763969')*sqrt(intval('55189')));
B7(61,57) = intval('208624')/(intval('310793235595227')*sqrt(intval('1145')));
B7(54,58) = intval('2542048')/(intval('462867341797575')*sqrt(intval('50561')));
B7(55,58) = intval('-8588')/(intval('689064956793675')*sqrt(intval('51493')));
B7(56,58) = intval('-15257707')/(intval('10986653041699335')*sqrt(intval('233')));
B7(57,58) = intval('8884')/(intval('778263770366775')*sqrt(intval('53357')));
B7(58,58) = intval('24520094')/(intval('1926080682263551325'));
B7(59,58) = intval('27584')/(intval('2633122958539689')*sqrt(intval('55221')));
B7(60,58) = intval('-51037')/(intval('2715984553095')*sqrt(intval('56153')));
B7(61,58) = intval('-272')*sqrt(intval('5'))/(intval('988402521785679')*sqrt(intval('233')));
B7(62,58) = intval('2007632')/(intval('449273873538945')*sqrt(intval('58017')));
B7(55,59) = intval('11456392')/(intval('2199344314149675')*sqrt(intval('52377')));
B7(56,59) = intval('-5336')/(intval('7008577214423631')*sqrt(intval('237')));
B7(57,59) = intval('-49058249')/(intval('2480663308020975')*sqrt(intval('54273')));
B7(58,59) = intval('27584')/(intval('2633122958539689')*sqrt(intval('55221')));
B7(59,59) = intval('11249654')/(intval('94595232277053585'));
B7(60,59) = intval('4076')/(intval('423363756770955')*sqrt(intval('57117')));
B7(61,59) = intval('-56155609')/(intval('21996221368024449')*sqrt(intval('1185')));
B7(62,59) = intval('-29524')/(intval('9992078427948435')*sqrt(intval('6557')));
B7(63,59) = intval('6822728')*sqrt(intval('11'))/(intval('17645585308930215')*sqrt(intval('5451')));
B7(56,60) = intval('4092712')/(intval('12414295962768315')*sqrt(intval('241')));
B7(57,60) = intval('-3068')/(intval('292738556763969')*sqrt(intval('55189')));
B7(58,60) = intval('-51037')/(intval('2715984553095')*sqrt(intval('56153')));
B7(59,60) = intval('4076')/(intval('423363756770955')*sqrt(intval('57117')));
B7(60,60) = intval('28068142')/(intval('252363286649741085'));
B7(61,60) = intval('9832')/(intval('7767404653474557')*sqrt(intval('1205')));
B7(62,60) = intval('-299899877')/(intval('17631470957835735')*sqrt(intval('60009')));
B7(63,60) = intval('-10168')/(intval('1244709337144455')*sqrt(intval('60973')));
B7(64,60) = intval('50840')/(intval('12548773153917')*sqrt(intval('61937')));
B7(57,61) = intval('208624')/(intval('310793235595227')*sqrt(intval('1145')));
B7(58,61) = intval('-272')*sqrt(intval('5'))/(intval('988402521785679')*sqrt(intval('233')));
B7(59,61) = intval('-56155609')/(intval('21996221368024449')*sqrt(intval('1185')));
B7(60,61) = intval('9832')/(intval('7767404653474557')*sqrt(intval('1205')));
B7(61,61) = intval('7889474')/(intval('75764191959095211'));
B7(62,61) = intval('1604')/(intval('1375009736637537')*sqrt(intval('1245')));
B7(63,61) = intval('-21332131')/(intval('9216205883408979')*sqrt(intval('1265')));
B7(64,61) = intval('-100')*sqrt(intval('5'))/(intval('4643046606694929')*sqrt(intval('257')));
B7(65,61) = intval('162560')*sqrt(intval('5'))/(intval('4419491997059139')*sqrt(intval('29')));
B7(58,62) = intval('2007632')/(intval('449273873538945')*sqrt(intval('58017')));
B7(59,62) = intval('-29524')/(intval('9992078427948435')*sqrt(intval('6557')));
B7(60,62) = intval('-299899877')/(intval('17631470957835735')*sqrt(intval('60009')));
B7(61,62) = intval('1604')/(intval('1375009736637537')*sqrt(intval('1245')));
B7(62,62) = intval('5050718')/(intval('51749843435375085'));
B7(63,62) = intval('4496')/(intval('596659831975935')*sqrt(intval('62997')));
B7(64,62) = intval('-278413')/(intval('18025212308103')*sqrt(intval('63993')));
B7(65,62) = intval('-32512')/(intval('14003932472609079')*sqrt(intval('7221')));
B7(66,62) = intval('18174208')/(intval('4932559210999959')*sqrt(intval('65985')));
B7(59,63) = intval('6822728')*sqrt(intval('11'))/(intval('17645585308930215')*sqrt(intval('5451')));
B7(60,63) = intval('-10168')/(intval('1244709337144455')*sqrt(intval('60973')));
B7(61,63) = intval('-21332131')/(intval('9216205883408979')*sqrt(intval('1265')));
B7(62,63) = intval('4496')/(intval('596659831975935')*sqrt(intval('62997')));
B7(63,63) = intval('4870706')/(intval('53191119095039835'));
B7(64,63) = intval('10828')/(intval('1555226717286879')*sqrt(intval('65021')));
B7(65,63) = intval('-24210259')/(intval('4928973687971655')*sqrt(intval('7337')));
B7(66,63) = intval('-2236')*sqrt(intval('5'))/(intval('1735169050509867')*sqrt(intval('13409')));
B7(67,63) = intval('585832')*sqrt(intval('11'))/(intval('1831951387988505')*sqrt(intval('6187')));
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B7(60,64)  =  intval('50840')/(intval('12548773153917')*sqrt(intval('61937')));
B7(61,64)  =  intval('-100')*sqrt(intval('5'))/(intval('464304606694929')*sqrt(intval('257')));
B7(62,64)  =  intval('-278413')/(intval('18025212308103')*sqrt(intval('63993')));
B7(63,64)  =  intval('10828')/(intval('1555226717286879')*sqrt(intval('65021')));
B7(64,64)  =  intval('4033822')/(intval('46905162060503285'));
B7(65,64)  =  intval('33512')/(intval('15609071379502755')*sqrt(intval('7453')));
B7(66,64)  =  intval('-8584633')/(intval('610220079839139')*sqrt(intval('68105')));
B7(67,64)  =  intval('-11528')/(intval('193174640523 3015')*sqrt(intval('69133')));
B7(68,64)  =  intval('14675144')/(intval('4366720865610765')*sqrt(intval('70161')));
B7(61,65)  =  intval('162560')*sqrt(intval('5'))/(intval('4419491997059139')*sqrt(intval('29')));
B7(62,65)  =  intval('-32512')/(intval('14003932472609079')*sqrt(intval('7221')));
B7(63,65)  =  intval('-24210259')/(intval('4928973687971655')*sqrt(intval('7337')));
B7(64,65)  =  intval('33512')/(intval('15609071379502755')*sqrt(intval('7453')));
B7(65,65)  =  intval('115858538')/(intval('1433070294394640055'));
B7(66,65)  =  intval('652')*sqrt(intval('53'))/(intval('17377673940530127')*sqrt(intval('145')));
B7(67,65)  =  intval('-19550137')/(intval('4363735456310685')*sqrt(intval('7801')));
B7(68,65)  =  intval('-5092')/(intval('2760570662167725')*sqrt(intval('7917')));
B7(69,65)  =  intval('346256')/(intval('323310077551175')*sqrt(intval('8033')));
B7(62,66)  =  intval('18174208')/(intval('4932559210999959')*sqrt(intval('65985')));
B7(63,66)  =  intval('-2236')*sqrt(intval('5'))/(intval('1735169050509867')*sqrt(intval('13409')));
B7(64,66)  =  intval('-8584633')/(intval('610220079839139')*sqrt(intval('68105')));
B7(65,66)  =  intval('652')*sqrt(intval('53'))/(intval('17377673940530127')*sqrt(intval('145')));
B7(66,66)  =  intval('9772286')/(intval('128458491678036429'));
B7(67,66)  =  intval('32')*sqrt(intval('53'))/(intval('306592381740645')*sqrt(intval('1345')));
B7(68,66)  =  intval('-17436829')/(intval('1357001374555431')*sqrt(intval('72345')));
B7(69,66)  =  intval('-272')/(intval('52949650436683')*sqrt(intval('73405')));
B7(70,66)  =  intval('857072')/(intval('278841315037285')*sqrt(intval('74465')));
B7(63,67)  =  intval('585832')*sqrt(intval('11'))/(intval('1831951387988505')*sqrt(intval('6187')));
B7(64,67)  =  intval('-11528')/(intval('193174640523 3015')*sqrt(intval('69133')));
B7(65,67)  =  intval('-19550137')/(intval('4363735456310685')*sqrt(intval('7801')));
B7(66,67)  =  intval('32')*sqrt(intval('53'))/(intval('306592381740645')*sqrt(intval('1345')));
B7(67,67)  =  intval('670462')/(intval('9357760408179645'));
B7(68,67)  =  intval('36692')/(intval('7145087996393325')*sqrt(intval('73437')));
B7(69,67)  =  intval('-2371519')/(intval('192919631699025')*sqrt(intval('74513')));
B7(70,67)  =  intval('-12604')/(intval('2640181521932955')*sqrt(intval('75589')));
B7(71,67)  =  intval('3503912')/(intval('1190836288383885')*sqrt(intval('76665')));
B7(64,68)  =  intval('14675144')/(intval('4366720865610765')*sqrt(intval('70161')));
B7(65,68)  =  intval('-5092')/(intval('2760570662167725')*sqrt(intval('7917')));
B7(66,68)  =  intval('-17436829')/(intval('1357001374555431')*sqrt(intval('72345')));
B7(67,68)  =  intval('36692')/(intval('7145087996393325')*sqrt(intval('73437')));
B7(68,68)  =  intval('5547866')/(intval('82142974381653999'));
B7(69,68)  =  intval('37784')/(intval('7917192885364785')*sqrt(intval('75621')));
B7(70,68)  =  intval('-98032801')/(intval('8330638201382475')*sqrt(intval('76713')));
B7(71,68)  =  intval('-1112')/(intval('751142889595989')*sqrt(intval('8645')));
B7(72,68)  =  intval('3710744')/(intval('22381840713976425')*sqrt(intval('273')));
B7(65,69)  =  intval('346256')/(intval('323310077551175')*sqrt(intval('8033')));
B7(66,69)  =  intval('-272')/(intval('52949650436683')*sqrt(intval('73405')));
B7(67,69)  =  intval('-2371519')/(intval('192919631699025')*sqrt(intval('74513')));
B7(68,69)  =  intval('37784')/(intval('7917192885364785')*sqrt(intval('75621')));
B7(69,69)  =  intval('753902')/(intval('11831310716331645'));
B7(70,69)  =  intval('1852')/(intval('417130046157825')*sqrt(intval('77837')));
B7(71,69)  =  intval('-2966339')/(intval('263155672312533')*sqrt(intval('78945')));
B7(72,69)  =  intval('-13348')/(intval('54863790053393475')*sqrt(intval('277')));
B7(73,69)  =  intval('15270112')/(intval('5652632914592055')*sqrt(intval('81161')));
B7(66,70)  =  intval('857072')/(intval('278841315037285')*sqrt(intval('74465')));
B7(67,70)  =  intval('-12604')/(intval('2640181521932955')*sqrt(intval('75589')));
B7(68,70)  =  intval('-98032801')/(intval('8330638201382475')*sqrt(intval('76713')));
B7(69,70)  =  intval('1852')/(intval('417130046157825')*sqrt(intval('77837')));
B7(70,70)  =  intval('1482794')/(intval('24643919988983295'));
B7(71,70)  =  intval('976')/(intval('236048211605745')*sqrt(intval('80085')));
B7(72,70)  =  intval('-4465999')/(intval('7027167882402045')*sqrt(intval('281')));
B7(73,70)  =  intval('-4576')/(intval('1186851750750645')*sqrt(intval('82333')));
B7(74,70)  =  intval('880672')*sqrt(intval('11'))/(intval('11217663321610935')*sqrt(intval('843')));
B7(67,71)  =  intval('3503912')/(intval('1190836288383885')*sqrt(intval('76665')));
B7(68,71)  =  intval('-1112')/(intval('751142889595989')*sqrt(intval('8645')));
B7(69,71)  =  intval('-2966339')/(intval('263155672312533')*sqrt(intval('78945')));
B7(70,71)  =  intval('976')/(intval('236048211605745')*sqrt(intval('80085')));
B7(71,71)  =  intval('823774018')/(intval('14487579157301235027'));
B7(72,71)  =  intval('41156')/(intval('181517768163256077')*sqrt(intval('285')));
B7(73,71)  =  intval('-2833297')/(intval('273444273917199')*sqrt(intval('83505')));
B7(74,71)  =  intval('-8468')*sqrt(intval('5'))/(intval('1059183357889315881')*sqrt(intval('209')));
B7(75,71)  =  intval('626632')*sqrt(intval('7'))/(intval('1764414846212733')*sqrt(intval('12255')));
B7(68,72)  =  intval('3710744')/(intval('22381840713976425')*sqrt(intval('273')));
B7(69,72)  =  intval('-13348')/(intval('54863790053393475')*sqrt(intval('277')));
B7(70,72)  =  intval('-4465999')/(intval('7027167882402045')*sqrt(intval('281')));
B7(71,72)  =  intval('41156')/(intval('181517768163256077')*sqrt(intval('285')));
B7(72,72)  =  intval('58068686')/(intval('10798068371761 05885'));
B7(73,72)  =  intval('344')/(intval('1625954490395235')*sqrt(intval('293')));
B7(74,72)  =  intval('-1948159')/(intval('9992759462755615')*sqrt(intval('33')));
B7(75,72)  =  intval('-296')*sqrt(intval('7'))/(intval('10482699968675649')*sqrt(intval('43')));
B7(76,72)  =  intval('308728')*sqrt(intval('5'))/(intval('10994051186659827')*sqrt(intval('61')));
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B7(69,73) = intval('15270112')/(intval('5652632914592055')*sqrt(intval('81161')));
B7(70,73) = intval('-4576')/(intval('1186851750750645')*sqrt(intval('82333')));
B7(71,73) = intval('-2833297')/(intval('273444273917199')*sqrt(intval('83505')));
B7(72,73) = intval('344')/(intval('1625954490395235')*sqrt(intval('293')));
B7(73,73) = intval('2921558')/(intval('57398683193917065'));
B7(74,73) = intval('6212')/(intval('5547623925919257')*sqrt(intval('9669')));
B7(75,73) = intval('-2879501')/(intval('301633226990667')*sqrt(intval('88193')));
B7(76,73) = intval('-2980')*sqrt(intval('5'))/(intval('47432676169708 83')*sqrt(intval('17873')));
B7(77,73) = intval('6839696')/(intval('2982879635414679')*sqrt(intval('90537')));
B7(70,74) = intval('880672')*sqrt(intval('11'))/(intval('11217663321610935')*sqrt(intval('843')));
B7(71,74) = intval('-8468')*sqrt(intval('5'))/(intval('1059183357889315881')*sqrt(intval('209')));
B7(72,74) = intval('-1948159')/(intval('9992759462755615')*sqrt(intval('33')));
B7(73,74) = intval('6212')/(intval('5547623925919257')*sqrt(intval('9669')));
B7(74,74) = intval('194322266')/(intval('4030596846664832535'));
B7(75,74) = intval('44672')/(intval('42674127714749115')*sqrt(intval('9933')));
B7(76,74) = intval('-15189257')/(intval('4968831733575073')*sqrt(intval('10065')));
B7(77,74) = intval('-45904')/(intval('140556904032418965')*sqrt(intval('1133')));
B7(78,74) = intval('780368')*sqrt(intval('11'))/(intval('11684714378804805')*sqrt(intval('939')));
B7(71,75) = intval('626632')*sqrt(intval('7'))/(intval('1764414846212733')*sqrt(intval('12255')));
B7(72,75) = intval('-296')*sqrt(intval('7'))/(intval('10482699968675649')*sqrt(intval('43')));
B7(73,75) = intval('-2879501')/(intval('301633226990667')*sqrt(intval('88193')));
B7(74,75) = intval('44672')/(intval('42674127714749115')*sqrt(intval('9933')));
B7(75,75) = intval('22778858')/(intval('4984514092867087 35'));
B7(76,75) = intval('15292')/(intval('5203996697415087')*sqrt(intval('91805')));
B7(77,75) = intval('-720594877')/(intval('81750788994360915')*sqrt(intval('93009')));
B7(78,75) = intval('-748')/(intval('271737543693135')*sqrt(intval('94213')));
B7(79,75) = intval('602888')/(intval('284461040722245')*sqrt(intval('95417')));
B7(72,76) = intval('308728')*sqrt(intval('5'))/(intval('10994051186659827')*sqrt(intval('61')));
B7(73,76) = intval('-2980')*sqrt(intval('5'))/(intval('47432676169708 83')*sqrt(intval('17873')));
B7(74,76) = intval('-15189257')/(intval('4968831733575073')*sqrt(intval('10065')));
B7(75,76) = intval('15292')/(intval('5203996697415087')*sqrt(intval('91805')));
B7(76,76) = intval('360220006')/(intval('8309900692433349009'));
B7(77,76) = intval('6728')/(intval('2444807499980391')*sqrt(intval('94245')));
B7(78,76) = intval('-7230109')/(intval('852954039362943')*sqrt(intval('95465')));
B7(79,76) = intval('-3224')*sqrt(intval('5'))/(intval('6247883645240391')*sqrt(intval('19337')));
B7(80,76) = intval('39987272')/(intval('19609694213279247')*sqrt(intval('97905')));
B7(73,77) = intval('6839696')/(intval('2982879635414679')*sqrt(intval('90537')));
B7(74,77) = intval('-45904')/(intval('140556904032418965')*sqrt(intval('1133')));
B7(75,77) = intval('-720594877')/(intval('81750788994360915')*sqrt(intval('93009')));
B7(76,77) = intval('6728')/(intval('2444807499980391')*sqrt(intval('94245')));
B7(77,77) = intval('4646954')/(intval('112936556682085095'));
B7(78,77) = intval('48332')/(intval('18737449370019765')*sqrt(intval('96717')));
B7(79,77) = intval('-159851113')/(intval('19600084856524095')*sqrt(intval('97953')));
B7(80,77) = intval('-49612')/(intval('614944779697980 27')*sqrt(intval('11021')));
B7(81,77) = intval('42070976')/(intval('107164644019029135')*sqrt(intval('4017')));
B7(74,78) = intval('780368')*sqrt(intval('11'))/(intval('11684714378804805')*sqrt(intval('939')));
B7(75,78) = intval('-748')/(intval('271737543693135')*sqrt(intval('94213')));
B7(76,78) = intval('-7230109')/(intval('852954039362943')*sqrt(intval('95465')));
B7(77,78) = intval('48332')/(intval('18737449370019765')*sqrt(intval('96717')));
B7(78,78) = intval('79909246')/(intval('2044608212940473565'));
B7(79,78) = intval('16528')/(intval('6830516137764627')*sqrt(intval('99221')));
B7(80,78) = intval('-168183409')/(intval('21422689430217075')*sqrt(intval('100473')));
B7(81,78) = intval('-3392')/(intval('7463863385350911')*sqrt(intval('4069')));
B7(82,78) = intval('234048')/(intval('123807257706275')*sqrt(intval('102977')));
B7(75,79) = intval('602888')/(intval('284461040722245')*sqrt(intval('95417')));
B7(76,79) = intval('-3224')*sqrt(intval('5'))/(intval('6247883645240391')*sqrt(intval('19337')));
B7(77,79) = intval('-159851113')/(intval('19600084856524095')*sqrt(intval('97953')));
B7(78,79) = intval('16528')/(intval('6830516137764627')*sqrt(intval('99221')));
B7(79,79) = intval('84074974')/(intval('2263303759329337725'));
B7(80,79) = intval('50852')/(intval('22384548567906525')*sqrt(intval('101757')));
B7(81,79) = intval('-8420821')/(intval('5568730880435415')*sqrt(intval('4121')));
B7(82,79) = intval('-276')/(intval('129275086122325')*sqrt(intval('104293')));
B7(83,79) = intval('3689016')/(intval('6075929047749275')*sqrt(intval('11729')));
B7(76,80) = intval('39987272')/(intval('19609694213279247')*sqrt(intval('97905')));
B7(77,80) = intval('-49612')/(intval('614944779697980 27')*sqrt(intval('11021')));
B7(78,80) = intval('-168183409')/(intval('21422689430217075')*sqrt(intval('100473')));
B7(79,80) = intval('50852')/(intval('22384548567906525')*sqrt(intval('101757')));
B7(80,80) = intval('153386')/(intval('4341583101569175'));
B7(81,80) = intval('56')/(intval('131178823059735')*sqrt(intval('4173')));
B7(82,80) = intval('-71469529')/(intval('9810501341595075')*sqrt(intval('105609')));
B7(83,80) = intval('-53464')/(intval('79895627758721775')*sqrt(intval('11877')));
B7(84,80) = intval('48812632')/(intval('27800672981874975')*sqrt(intval('108177')));
B7(77,81) = intval('42070976')/(intval('107164644019029135')*sqrt(intval('4017')));
B7(78,81) = intval('-3392')/(intval('7463863385350911')*sqrt(intval('4069')));
B7(79,81) = intval('-8420821')/(intval('5568730880435415')*sqrt(intval('4121')));
B7(80,81) = intval('56')/(intval('131178823059735')*sqrt(intval('4173')));
B7(81,81) = intval('24445474')/(intval('727071744690887211'));
B7(82,81) = intval('17812')/(intval('443731760099618355')*sqrt(intval('4277')));
B7(83,81) = intval('-65047427')/(intval('138941714075319435')*sqrt(intval('481')));
B7(84,81) = intval('-3652')/(intval('9666080144467299')*sqrt(intval('4381')));
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B7(85,81) = intval('221776')*sqrt(intval('11'))/(intval('7203602407530915')*sqrt(intval('403')));
B7(78,82) = intval('234048')/(intval('123807257706275')*sqrt(intval('102977')));
B7(79,82) = intval('-276')/(intval('129275086122325')*sqrt(intval('104293')));
B7(80,82) = intval('-71469529')/(intval('9810501341595075')*sqrt(intval('105609')));
B7(81,82) = intval('17812')/(intval('44373176099618355')*sqrt(intval('4277')));
B7(82,82) = intval('2501362')/(intval('7812831946484 5275'));
B7(83,82) = intval('54752')/(intval('869693114412370075')*sqrt(intval('12173')));
B7(84,82) = intval('-22756681')/(intval('3360225758421675')*sqrt(intval('110873')));
B7(85,82) = intval('-2672')/(intval('1502027736038361')*sqrt(intval('112189')));
B7(86,82) = intval('7676656')/(intval('4699004201734689')*sqrt(intval('113505')));
B7(79,83) = intval('3689016')/(intval('6075929047749275')*sqrt(intval('11729')));
B7(80,83) = intval('-53464')/(intval('79895627758721775')*sqrt(intval('11877')));
B7(81,83) = intval('-65047427')/(intval('138941714075319435')*sqrt(intval('481')));
B7(82,83) = intval('54752')/(intval('869693114412370075')*sqrt(intval('12173')));
B7(83,83) = intval('307159802')/(intval('10069143527391523575'));
B7(84,83) = intval('8012')/(intval('13514394873559041')*sqrt(intval('12469')));
B7(85,83) = intval('-10230133')/(intval('4697017885198065')*sqrt(intval('12617')));
B7(86,83) = intval('-11492')*sqrt(intval('5'))/(intval('1028277586612734771')*sqrt(intval('2553')));
B7(87,83) = intval('18777928')/(intval('35725656315602715')*sqrt(intval('12913')));
B7(80,84) = intval('48812632')/(intval('27800672981874975')*sqrt(intval('108177')));
B7(81,84) = intval('-3652')/(intval('9666080144467299')*sqrt(intval('4381')));
B7(82,84) = intval('-22756681')/(intval('3360225758421675')*sqrt(intval('110873')));
B7(83,84) = intval('8012')/(intval('13514394873559041')*sqrt(intval('12469')));
B7(84,84) = intval('1704722')/(intval('58617482351675555'));
B7(85,84) = intval('19144')/(intval('11422125000579195')*sqrt(intval('114917')));
B7(86,84) = intval('-225218849')/(intval('35710906980006027')*sqrt(intval('116265')));
B7(87,84) = intval('-6536')/(intval('4134423134446605')*sqrt(intval('117613')));
B7(88,84) = intval('32791112')/(intval('21536024983908435')*sqrt(intval('118961')));
B7(81,85) = intval('221776')*sqrt(intval('11'))/(intval('7203602407530915')*sqrt(intval('403')));
B7(82,85) = intval('-2672')/(intval('1502027736038361')*sqrt(intval('112189')));
B7(83,85) = intval('-10230133')/(intval('4697017885198065')*sqrt(intval('12617')));
B7(84,85) = intval('19144')/(intval('11422125000579195')*sqrt(intval('114917')));
B7(85,85) = intval('112590062')/(intval('4058581231701271485'));
B7(86,85) = intval('58796')/(intval('37199686965064533')*sqrt(intval('117645')));
B7(87,85) = intval('-393294959')/(intval('64582016522550345')*sqrt(intval('119009')));
B7(88,85) = intval('-20068')/(intval('13452121177631955')*sqrt(intval('120373')));
B7(89,85) = intval('160544')*sqrt(intval('11'))/(intval('1200657086145153')*sqrt(intval('11067')));
B7(82,86) = intval('7676656')/(intval('4699004201734689')*sqrt(intval('113505')));
B7(83,86) = intval('-11492')*sqrt(intval('5'))/(intval('1028277586612734771')*sqrt(intval('2553')));
B7(84,86) = intval('-225218849')/(intval('35710906980006027')*sqrt(intval('116265')));
B7(85,86) = intval('58796')/(intval('37199686965064533')*sqrt(intval('117645')));
B7(86,86) = intval('1769530018')/(intval('66833401776801687027'));
B7(87,86) = intval('60176')/(intval('40345638034510809')*sqrt(intval('120405')));
B7(88,86) = intval('-35302279')/(intval('6000919312561173')*sqrt(intval('121785')));
B7(89,86) = intval('-1760')*sqrt(intval('5'))/(intval('18740691040265649')*sqrt(intval('2737')));
B7(90,86) = intval('1848352')*sqrt(intval('5'))/(intval('1235355756327771523')*sqrt(intval('69')));
B7(83,87) = intval('18777928')/(intval('35725656315602715')*sqrt(intval('12913')));
B7(84,87) = intval('-6536')/(intval('4134423134446605')*sqrt(intval('117613')));
B7(85,87) = intval('-393294959')/(intval('64582016522550345')*sqrt(intval('119009')));
B7(86,87) = intval('60176')/(intval('40345638034510809')*sqrt(intval('120405')));
B7(87,87) = intval('17648242')/(intval('698015242101492315'));
B7(88,87) = intval('2932')/(intval('2081758134419145')*sqrt(intval('123197')));
B7(89,87) = intval('-51728933')/(intval('9099114537589947')*sqrt(intval('124593')));
B7(90,87) = intval('-21004')/(intval('2998127007747729169')*sqrt(intval('349')));
B7(91,87) = intval('7519432')/(intval('5472085796548371')*sqrt(intval('127385')));
B7(84,88) = intval('32791112')/(intval('21536024983908435')*sqrt(intval('118961')));
B7(85,88) = intval('-20068')/(intval('13452121177631955')*sqrt(intval('120373')));
B7(86,88) = intval('-35302279')/(intval('6000919312561173')*sqrt(intval('121785')));
B7(87,88) = intval('2932')/(intval('2081758134419145')*sqrt(intval('123197')));
B7(88,88) = intval('129301582')/(intval('5352625012190482845'));
B7(89,88) = intval('62984')/(intval('47326826925469377')*sqrt(intval('126021')));
B7(90,88) = intval('-90190699')/(intval('311791404141932715')*sqrt(intval('353')));
B7(91,88) = intval('-1432')*sqrt(intval('5'))/(intval('56891090292726669')*sqrt(intval('25769')));
B7(92,88) = intval('3369496')/(intval('7606317932910345')*sqrt(intval('14473')));
B7(85,89) = intval('160544')*sqrt(intval('11'))/(intval('1200657086145153')*sqrt(intval('11067')));
B7(86,89) = intval('-1760')*sqrt(intval('5'))/(intval('18740691040265649')*sqrt(intval('2737')));
B7(87,89) = intval('-51728933')/(intval('9099114537589947')*sqrt(intval('124593')));
B7(88,89) = intval('62984')/(intval('47326826925469377')*sqrt(intval('126021')));
B7(89,89) = intval('405794474')/(intval('1757298275 2772627895'));
B7(90,89) = intval('64412')/(intval('9725960896619598015')*sqrt(intval('357')));
B7(91,89) = intval('-282907337')/(intval('53224612140053871')*sqrt(intval('130305')));
B7(92,89) = intval('-9412')/(intval('23713814732014605')*sqrt(intval('14637')));
B7(93,89) = intval('52820144')/(intval('41081679042785865')*sqrt(intval('133161')));
B7(86,90) = intval('1848352')*sqrt(intval('5'))/(intval('1235355756327771523')*sqrt(intval('69')));
B7(87,90) = intval('-21004')/(intval('2998127007747729169')*sqrt(intval('349')));
B7(88,90) = intval('-90190699')/(intval('311791404141932715')*sqrt(intval('353')));
B7(89,90) = intval('64412')/(intval('9725960896619598015')*sqrt(intval('357')));
B7(90,90) = intval('141431966')/(intval('6403908665659944285'));
B7(91,90) = intval('448')/(intval('7150048537078953')*sqrt(intval('365')));
B7(92,90) = intval('-70395137')/(intval('780270640852433115')*sqrt(intval('41')));
B7(93,90) = intval('-22448')/(intval('3783838885920396125')*sqrt(intval('373')));
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 B7(94,90) = intval('25747856')/(intval('393139803477180375')*sqrt(intval('377')));
 B7(87,91) = intval('7519432')/(intval('5472085796548371')*sqrt(intval('127385')));
 B7(88,91) = intval('-1432')*sqrt(intval('5'))/(intval('5689109029272669')*sqrt(intval('25769')));
 B7(89,91) = intval('-282907337')/(intval('5322461214005387l')*sqrt(intval('130305')));
 B7(90,91) = intval('448')/(intval('7150048537078953')*sqrt(intval('365')));
 B7(91,91) = intval('11730762')/(intval('555096647693192143'));
 B7(92,91) = intval('67316')/(intval('179191887705836775')*sqrt(intval('14965')));
 B7(93,91) = intval('-6863069')/(intval('1378951565026035')*sqrt(intval('136145')));
 B7(94,91) = intval('-4588')/(intval('4297043562158655')*sqrt(intval('137605')));
 B7(95,91) = intval('80647864')/(intval('66941546402223675')*sqrt(intval('139065')));
 B7(88,92) = intval('3369496')/(intval('76063179329910345')*sqrt(intval('14473')));
 B7(89,92) = intval('-9412')/(intval('23713814732014605')*sqrt(intval('14637')));
 B7(90,92) = intval('-70395137')/(intval('780270640852433115')*sqrt(intval('41')));
 B7(91,92) = intval('67316')/(intval('179191887705836775')*sqrt(intval('14965')));
 B7(92,92) = intval('92637826')/(intval('4578960020011452075'));
 B7(93,92) = intval('68792')/(intval('193322003325325875')*sqrt(intval('15293')));
 B7(94,92) = intval('-107484107')/(intval('66918448674280875')*sqrt(intval('15457')));
 B7(95,92) = intval('-70312')/(intval('208444022211802175')*sqrt(intval('15621')));
 B7(96,92) = intval('121448')*sqrt(intval('11'))/(intval('3434849913182675')*sqrt(intval('1435')));
 B7(89,93) = intval('52820144')/(intval('41081679042785865')*sqrt(intval('133161')));
 B7(90,93) = intval('-22448')/(intval('378383885920396125')*sqrt(intval('373')));
 B7(91,93) = intval('-6863069')/(intval('1378951565026035')*sqrt(intval('136145')));
 B7(92,93) = intval('68792')/(intval('193322003325325875')*sqrt(intval('15293')));
 B7(93,93) = intval('826682')/(intval('42662753605211775'));
 B7(94,93) = intval('23428')/(intval('23155174252427175')*sqrt(intval('140621')));
 B7(95,93) = intval('-3697931')/(intval('792389944702125')*sqrt(intval('142113')));
 B7(96,93) = intval('-76')/(intval('79194930974185')*sqrt(intval('143605')));
 B7(97,93) = intval('464512')/(intval('410917094677375')*sqrt(intval('145097')));
 B7(90,94) = intval('25747856')/(intval('393139803477180375')*sqrt(intval('377')));
 B7(91,94) = intval('-4588')/(intval('4297043562158655')*sqrt(intval('137605')));
 B7(92,94) = intval('-107484107')/(intval('66918448674280875')*sqrt(intval('15457')));
 B7(93,94) = intval('23428')/(intval('23155174252427175')*sqrt(intval('140621')));
 B7(94,94) = intval('686662')/(intval('36981580365009225'));
 B7(95,94) = intval('10256')/(intval('10688933829333375')*sqrt(intval('143637')));
 B7(96,94) = intval('-23401727')/(intval('5175843155800605')*sqrt(intval('145145')));
 B7(97,94) = intval('-24448')/(intval('26849126772381375')*sqrt(intval('146653')));
 B7(98,94) = intval('457691008')/(intval('4177724125782542l95')*sqrt(intval('148161')));
 B7(91,95) = intval('80647864')/(intval('66941546402223675')*sqrt(intval('139065')));
 B7(92,95) = intval('-70312')/(intval('208444022211802175')*sqrt(intval('15621')));
 B7(93,95) = intval('-3697931')/(intval('792389944702125')*sqrt(intval('142113')));
 B7(94,95) = intval('10256')/(intval('10688933829333375')*sqrt(intval('143637')));
 B7(95,95) = intval('8099482')/(intval('455025896334753975'));
 B7(96,95) = intval('73316')/(intval('80529808539728925')*sqrt(intval('146685')));
 B7(97,95) = intval('-1830022877')/(intval('417637109892157155')*sqrt(intval('148209')));
 B7(98,95) = intval('-74884')/(intval('259874177903008515')*sqrt(intval('16637')));
 B7(99,95) = intval('13628888')/(intval('12832083416997405')*sqrt(intval('151257')));
 B7(92,96) = intval('121448')*sqrt(intval('11'))/(intval('3434849913182675')*sqrt(intval('1435')));
 B7(93,96) = intval('-76')/(intval('79194930974185')*sqrt(intval('143605')));
 B7(94,96) = intval('-23401727')/(intval('5175843155800605')*sqrt(intval('145145')));
 B7(95,96) = intval('73316')/(intval('80529808539728925')*sqrt(intval('146685')));
 B7(96,96) = intval('914888006')/(intval('535909769870188805009'));
 B7(97,96) = intval('24952')/(intval('288687390009597387')*sqrt(intval('149765')));
 B7(98,96) = intval('-381457537')/(intval('89796087966910779')*sqrt(intval('151305')));
 B7(99,96) = intval('-104')*sqrt(intval('35'))/(intval('4432901544053649')*sqrt(intval('4367')));
 B7(100,96) = intval('20488')*sqrt(intval('77'))/(intval('1531646573532897')*sqrt(intval('2005')));
 B7(93,97) = intval('464512')/(intval('410917094677375')*sqrt(intval('145097')));
 B7(94,97) = intval('-24448')/(intval('26849126772381375')*sqrt(intval('146653')));
 B7(95,97) = intval('-1830022877')/(intval('417637109892157155')*sqrt(intval('148209')));
 B7(96,97) = intval('24952')/(intval('288687390009597387')*sqrt(intval('149765')));
 B7(97,97) = intval('190703566')/(intval('1164232826892325285'));
 B7(98,97) = intval('10916')/(intval('132959209658917l95')*sqrt(intval('152877')));
 B7(99,97) = intval('-18923557')/(intval('4593511547173395')*sqrt(intval('154433')));
 B7(100,97) = intval('-8668')/(intval('11107390704206433')*sqrt(intval('155989')));
 B7(101,97) = intval('6899728')*sqrt(intval('5'))/(intval('310748628306054393')*sqrt(intval('389')));
 B7(94,98) = intval('457691008')/(intval('4177724125782542l95')*sqrt(intval('148161')));
 B7(95,98) = intval('-74884')/(intval('259874177903008515')*sqrt(intval('16637')));
 B7(96,98) = intval('-381457537')/(intval('89796087966910779')*sqrt(intval('151305')));
 B7(97,98) = intval('10916')/(intval('132959209658917l95')*sqrt(intval('152877')));
 B7(98,98) = intval('85144982')/(intval('5415189074539151985'));
 B7(99,98) = intval('77984')/(intval('99946013145833673')*sqrt(intval('156021')));
 B7(100,98) = intval('-82765213')/(intval('20710265323323303')*sqrt(intval('157593')));
 B7(101,98) = intval('-15920')*sqrt(intval('5'))/(intval('965455661989039221')*sqrt(intval('393')));
 B7(102,98) = intval('21546128')/(intval('22222764598213179')*sqrt(intval('160737')));
 B7(95,99) = intval('13628888')/(intval('12832083416997405')*sqrt(intval('151257')));
 B7(96,99) = intval('-104')*sqrt(intval('35'))/(intval('4432901544053649')*sqrt(intval('4367')));
 B7(97,99) = intval('-18923557')/(intval('4593511547173395')*sqrt(intval('154433')));
 B7(98,99) = intval('77984')/(intval('99946013145833673')*sqrt(intval('156021')));
 B7(99,99) = intval('10888778')/(intval('721152689711982255'));
 B7(100,99) = intval('1396')/(intval('1881601553396565')*sqrt(intval('159197')));
 B7(101,99) = intval('-15954139')/(intval('37026883863782813')*sqrt(intval('1985')));
 B7(102,99) = intval('-27068')/(intval('38344064860896795')*sqrt(intval('162373')));
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B7(103,99) = intval('26689048')/(intval('28359353577046635')*sqrt(intval('163961')));
B7(96,100) = intval('20488')*sqrt(intval('77'))/(intval('1531646573532897')*sqrt(intval('2005')));
B7(97,100) = intval('-8668')/(intval('111073907042206433')*sqrt(intval('155989')));
B7(98,100) = intval('-82765213')/(intval('20710265323323303')*sqrt(intval('157593')));
B7(99,100) = intval('1396')/(intval('1881601553396565')*sqrt(intval('159197')));
B7(100,100) = intval('3778142')/(intval('260461456973282565'));
B7(101,100) = intval('81176')/(intval('1035085759544205369')*sqrt(intval('2005')));
B7(102,100) = intval('-35572379')/(intval('9450351244639305')*sqrt(intval('164009')));
B7(103,100) = intval('-3944')/(intval('5869891139388705')*sqrt(intval('165613')));
B7(104,100) = intval('16655512')/(intval('18227556695996505')*sqrt(intval('167217')));
B7(97,101) = intval('6899728')*sqrt(intval('5'))/(intval('310748628306054393')*sqrt(intval('389')));
B7(98,101) = intval('-15920')*sqrt(intval('5'))/(intval('965455661989039221')*sqrt(intval('393')));
B7(99,101) = intval('-15954139')/(intval('370268838663782813')*sqrt(intval('1985')));
B7(100,101) = intval('81176')/(intval('1035085759544205369')*sqrt(intval('2005')));
B7(101,101) = intval('480168574')/(intval('34443170161823283861'));
B7(102,101) = intval('11828')/(intval('158456443564397979')*sqrt(intval('2045')));
B7(103,101) = intval('-17266187')/(intval('42518760522207541')*sqrt(intval('2065')));
B7(104,101) = intval('-16892')*sqrt(intval('5'))/(intval('1188031639763505537')*sqrt(intval('417')));
B7(105,101) = intval('40405664')/(intval('4097677367391879081')*sqrt(intval('2105')));
B7(98,102) = intval('21546128')/(intval('22222764598213179')*sqrt(intval('160737')));
B7(99,102) = intval('-27068')/(intval('38344064860896795')*sqrt(intval('162373')));
B7(100,102) = intval('-35572379')/(intval('9450351244639305')*sqrt(intval('164009')));
B7(101,102) = intval('11828')/(intval('158456443564397979')*sqrt(intval('2045')));
B7(102,102) = intval('77688554')/(intval('5796169909329294495'));
B7(103,102) = intval('28144')/(intval('43992836166405555')*sqrt(intval('168917')));
B7(104,102) = intval('-484697393')/(intval('136550804269443795')*sqrt(intval('170553')));
B7(105,102) = intval('-9568')/(intval('15696074677439541')*sqrt(intval('172189')));
B7(106,102) = intval('1999712')/(intval('11597134852934445')*sqrt(intval('6953')));
B7(99,103) = intval('26689048')/(intval('28359353577046635')*sqrt(intval('163961')));
B7(100,103) = intval('-3944')/(intval('5869891139388705')*sqrt(intval('165613')));
B7(101,103) = intval('-17266187')/(intval('42518760522207541')*sqrt(intval('2065')));
B7(102,103) = intval('28144')/(intval('43992836166405555')*sqrt(intval('168917')));
B7(103,103) = intval('242320286')/(intval('18796730686494307965'));
B7(104,103) = intval('86084')/(intval('141238424023218621')*sqrt(intval('172221')));
B7(105,103) = intval('-167917843')/(intval('48694519887547725')*sqrt(intval('173873')));
B7(106,103) = intval('-836')/(intval('7194154840972893')*sqrt(intval('7021')));
B7(107,103) = intval('1699816')*sqrt(intval('11'))/(intval('22317633630755325')*sqrt(intval('16107')));
B7(100,104) = intval('16655512')/(intval('18227556695996505')*sqrt(intval('167217')));
B7(101,104) = intval('-16892')*sqrt(intval('5'))/(intval('1188031639763505537')*sqrt(intval('417')));
B7(102,104) = intval('-484697393')/(intval('136550804269443795')*sqrt(intval('170553')));
B7(103,104) = intval('86084')/(intval('141238424023218621')*sqrt(intval('172221')));
B7(104,104) = intval('755543402')/(intval('60911239254730831575'));
B7(105,104) = intval('12536')/(intval('21578530536437175')*sqrt(intval('175557')));
B7(106,104) = intval('-74766583')/(intval('111557945374420545')*sqrt(intval('7089')));
B7(107,104) = intval('-89464')/(intval('484405040748120975')*sqrt(intval('19877')));
B7(108,104) = intval('679658008')/(intval('834577359361220475')*sqrt(intval('180561')));
B7(101,105) = intval('40405664')/(intval('4097677367391879081')*sqrt(intval('2105')));
B7(102,105) = intval('-9568')/(intval('15696074677439541')*sqrt(intval('172189')));
B7(103,105) = intval('-167917843')/(intval('48694519887547725')*sqrt(intval('173873')));
B7(104,105) = intval('12536')/(intval('21578530536437175')*sqrt(intval('175557')));
B7(105,105) = intval('37379074')/(intval('3130777018049355675'));
B7(106,105) = intval('29812')/(intval('269065781611021395')*sqrt(intval('7157')));
B7(107,105) = intval('-2717728877')/(intval('834355555833991275')*sqrt(intval('180609')));
B7(108,105) = intval('-30388')/(intval('57488701713718275')*sqrt(intval('182293')));
B7(109,105) = intval('5226736')/(intval('6601062806162825')*sqrt(intval('183977')));
B7(102,106) = intval('1999712')/(intval('11597134852934445')*sqrt(intval('6953')));
B7(103,106) = intval('-836')/(intval('7194154840972893')*sqrt(intval('7021')));
B7(104,106) = intval('-74766583')/(intval('111557945374420545')*sqrt(intval('7089')));
B7(105,106) = intval('29812')/(intval('269065781611021395')*sqrt(intval('7157')));
B7(106,106) = intval('104516462')/(intval('9091530774275796693'));
B7(107,106) = intval('91136')/(intval('862179177416605965')*sqrt(intval('7293')));
B7(108,106) = intval('-14469319')/(intval('22843872774403065')*sqrt(intval('7361')));
B7(109,106) = intval('-688')/(intval('6818509580954071')*sqrt(intval('7429')));
B7(110,106) = intval('2324752')/(intval('316988158178396705')*sqrt(intval('17')));
B7(103,107) = intval('1699816')*sqrt(intval('11'))/(intval('22317633630755325')*sqrt(intval('16107')));
B7(104,107) = intval('-89464')/(intval('484405040748120975')*sqrt(intval('19877')));
B7(105,107) = intval('-2717728877')/(intval('834355555833991275')*sqrt(intval('180609')));
B7(106,107) = intval('91136')/(intval('862179177416605965')*sqrt(intval('7293')));
B7(107,107) = intval('846363194')/(intval('76433521587445891575'));
B7(108,107) = intval('92852')/(intval('184068044175523725')*sqrt(intval('185757')));
B7(109,107) = intval('-11952041')/(intval('3880493847217575')*sqrt(intval('187473')));
B7(110,107) = intval('-13516')/(intval('589198968138586323')*sqrt(intval('429')));
B7(111,107) = intval('1973336')*sqrt(intval('11'))/(intval('28976998433045229')*sqrt(intval('17355')));
B7(104,108) = intval('679658008')/(intval('834577359361220475')*sqrt(intval('180561')));
B7(105,108) = intval('-30388')/(intval('57488701713718275')*sqrt(intval('182293')));
B7(106,108) = intval('-14469319')/(intval('22843872774403065')*sqrt(intval('7361')));
B7(107,108) = intval('92852')/(intval('184068044175523725')*sqrt(intval('185757')));
B7(108,108) = intval('3217514')/(intval('3015582851386623975'));
B7(109,108) = intval('4504')/(intval('9350782953901389')*sqrt(intval('189221')));
B7(110,108) = intval('-202532171')/(intval('141951600866888863085')*sqrt(intval('433')));
B7(111,108) = intval('-6424')*sqrt(intval('5'))/(intval('69799097842185159')*sqrt(intval('38537')));
B7(112,108) = intval('52529048')/(intval('72066353920585605')*sqrt(intval('194417')));
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B7(105,109)  =  intval('5226736')/(intval('6601062806162825')*sqrt(intval('183977')));
B7(106,109)  =  intval('-688')/(intval('6818509580954071')*sqrt(intval('7429')));
B7(107,109)  =  intval('-11952041')/(intval('3880493847217575')*sqrt(intval('187473')));
B7(108,109)  =  intval('4504')/(intval('9350782953901389')*sqrt(intval('189221')));
B7(109,109)  =  intval('101255482')/(intval('9845659090013601855'));
B7(110,109)  =  intval('96332')/(intval('4396613000235844185')*sqrt(intval('437')));
B7(111,109)  =  intval('-70017121')/(intval('24016188568942983')*sqrt(intval('194465')));
B7(112,109)  =  intval('-32708')/(intval('743751153100849150')*sqrt(intval('196213')));
B7(113,109)  =  intval('116702144')/(intval('164504566542645945')*sqrt(intval('197961')));
B7(106,110)  =  intval('2324752')/(intval('316988158178396705')*sqrt(intval('17')));
B7(107,110)  =  intval('-13516')/(intval('589198968138586323')*sqrt(intval('429')));
B7(108,110)  =  intval('-202532171')/(intval('1419516008688863085')*sqrt(intval('433')));
B7(109,110)  =  intval('96332')/(intval('4396613000235844185')*sqrt(intval('437')));
B7(110,110)  =  intval('945133946')/(intval('9531241040937749365'));
B7(111,110)  =  intval('98096')/(intval('4684868251224611373')*sqrt(intval('445')));
B7(112,110)  =  intval('-1088889959')/(intval('8058769734557964345')*sqrt(intval('449')));
B7(113,110)  =  intval('-14272')/(intval('712853121684799095')*sqrt(intval('453')));
B7(114,110)  =  intval('1612736')/(intval('49039098576038571')*sqrt(intval('457')));
B7(107,111)  =  intval('1973336')*sqrt(intval('11'))/(intval('28976998433045229')*sqrt(intval('17355')));
B7(108,111)  =  intval('-6424')*sqrt(intval('5'))/(intval('69799097842185159')*sqrt(intval('38537')));
B7(109,111)  =  intval('-70017121')/(intval('24016188568942983')*sqrt(intval('194465')));
B7(110,111)  =  intval('98096')/(intval('4684868251224611373')*sqrt(intval('445')));
B7(111,111)  =  intval('181463334')/(intval('18972818933120361001'));
B7(112,111)  =  intval('116')/(intval('275934554344449')*sqrt(intval('199805')));
B7(113,111)  =  intval('-48151')/(intval('17431352389737')*sqrt(intval('201585')));
B7(114,111)  =  intval('-2260')*sqrt(intval('5'))/(intval('28101056487392889')*sqrt(intval('40673')));
B7(115,111)  =  intval('3898952')*sqrt(intval('5'))/(intval('28989125992637811')*sqrt(intval('41029')));
B7(108,112)  =  intval('52529048')/(intval('72066353920585605')*sqrt(intval('194417')));
B7(109,112)  =  intval('-32708')/(intval('743751153100849150')*sqrt(intval('196213')));
B7(110,112)  =  intval('-1088889959')/(intval('8058769734557964345')*sqrt(intval('449')));
B7(111,112)  =  intval('116')/(intval('275934554344449')*sqrt(intval('199805')));
B7(112,112)  =  intval('48362882')/(intval('5240848756659712315'));
B7(113,112)  =  intval('101672')/(intval('252869718693136545')*sqrt(intval('203397')));
B7(114,112)  =  intval('-1140823')/(intval('424131873354189')*sqrt(intval('205193')));
B7(115,112)  =  intval('-34504')/(intval('89679055687692471')*sqrt(intval('206989')));
B7(116,112)  =  intval('181732568')/(intval('277463387060578719')*sqrt(intval('208785')));
B7(109,113)  =  intval('116702144')/(intval('164504566542645945')*sqrt(intval('197961')));
B7(110,113)  =  intval('-14272')/(intval('712853121684799095')*sqrt(intval('453')));
B7(111,113)  =  intval('-48151')/(intval('17431352389737')*sqrt(intval('201585')));
B7(112,113)  =  intval('101672')/(intval('252869718693136545')*sqrt(intval('203397')));
B7(113,113)  =  intval('1052306666')/(intval('1181518063263513325355'));
B7(114,113)  =  intval('2524')/(intval('6560867829152637')*sqrt(intval('207021')));
B7(115,113)  =  intval('-726721417')/(intval('277399612453218255')*sqrt(intval('208833')));
B7(116,113)  =  intval('-21068')*sqrt(intval('5'))/(intval('858115243425763323')*sqrt(intval('4681')));
B7(117,113)  =  intval('26882768')/(intval('42131093674689045')*sqrt(intval('212457')));
B7(110,114)  =  intval('1612736')/(intval('49039098576038571')*sqrt(intval('457')));
B7(111,114)  =  intval('-2260')*sqrt(intval('5'))/(intval('28101056487392889')*sqrt(intval('40673')));
B7(112,114)  =  intval('-1140823')/(intval('424131873354189')*sqrt(intval('205193')));
B7(113,114)  =  intval('2524')/(intval('6560867829152637')*sqrt(intval('207021')));
B7(114,114)  =  intval('363325918')/(intval('42253970289892726365'));
B7(115,114)  =  intval('35104')/(intval('95331655911086595')*sqrt(intval('210677')));
B7(116,114)  =  intval('-107500711')/(intval('42121577228034213')*sqrt(intval('212505')));
B7(117,114)  =  intval('-5104')/(intval('14473920584083545')*sqrt(intval('214333')));
B7(118,114)  =  intval('1405456')*sqrt(intval('11'))/(intval('248654533111117885')*sqrt(intval('19651')));
B7(111,115)  =  intval('3898952')*sqrt(intval('5'))/(intval('28989125992637811')*sqrt(intval('41029')));
B7(112,115)  =  intval('-34504')/(intval('89679055687692471')*sqrt(intval('206989')));
B7(113,115)  =  intval('-726721417')/(intval('277399612453218255')*sqrt(intval('208833')));
B7(114,115)  =  intval('35104')/(intval('95331655911086595')*sqrt(intval('210677')));
B7(115,115)  =  intval('53745298')/(intval('64721950606024302555'));
B7(116,115)  =  intval('15308')/(intval('43415279834138667')*sqrt(intval('214365')));
B7(117,115)  =  intval('-1298280959')/(intval('522058592921088465')*sqrt(intval('216209')));
B7(118,115)  =  intval('-12116')/(intval('35868820936862025')*sqrt(intval('218053')));
B7(119,115)  =  intval('67195336')/(intval('332665731434034075')*sqrt(intval('24433')));
B7(112,116)  =  intval('181732568')/(intval('277463387060578719')*sqrt(intval('208785')));
B7(113,116)  =  intval('-21068')*sqrt(intval('5'))/(intval('858115243425763323')*sqrt(intval('4681')));
B7(114,116)  =  intval('-107500711')/(intval('42121577228034213')*sqrt(intval('212505')));
B7(115,116)  =  intval('15308')/(intval('43415279834138667')*sqrt(intval('214365')));
B7(116,116)  =  intval('5841724018')/(intval('7282178472056491350027'));
B7(117,116)  =  intval('109016')/(intval('3227720205686632305')*sqrt(intval('218085')));
B7(118,116)  =  intval('-161224813')/(intval('66518626333992399')*sqrt(intval('219945')));
B7(119,116)  =  intval('-22184')/(intval('205608884331486867')*sqrt(intval('24645')));
B7(120,116)  =  intval('29793112')/(intval('50434761815344665')*sqrt(intval('223665')));
B7(113,117)  =  intval('26882768')/(intval('42131093674689045')*sqrt(intval('212457')));
B7(114,117)  =  intval('-5104')/(intval('14473920584083545')*sqrt(intval('214333')));
B7(115,117)  =  intval('-1298280959')/(intval('522058592921088465')*sqrt(intval('216209')));
B7(116,117)  =  intval('109016')/(intval('3227720205686632305')*sqrt(intval('218085')));
B7(117,117)  =  intval('80605078')/(intval('1039832215282868639865'));
B7(118,117)  =  intval('36964')/(intval('1142106806878835975')*sqrt(intval('221837')));
B7(119,117)  =  intval('-277994467')/(intval('352967583511031775')*sqrt(intval('24857')));
B7(120,117)  =  intval('-5372')/(intval('173134256678048850')*sqrt(intval('225589')));
B7(121,117)  =  intval('10271264')/(intval('17832457731572055')*sqrt(intval('227465')));
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B7(114,118)  =  intval('1405456')*sqrt(intval('11'))/(intval('24865453311117885')*sqrt(intval('19651')));
B7(115,118)  =  intval('-12116')/(intval('35868820936862025')*sqrt(intval('218053')));
B7(116,118)  =  intval('-161224813')/(intval('66518626333992399')*sqrt(intval('219945')));
B7(117,118)  =  intval('36964')/(intval('114210680687835975')*sqrt(intval('221837')));
B7(118,118)  =  intval('487666')/(intval('65084494071686635'));
B7(119,118)  =  intval('16')*sqrt(intval('53'))/(intval('8199933215361615')*sqrt(intval('473')));
B7(120,118)  =  intval('-13691407')/(intval('5942898497978925')*sqrt(intval('227513')));
B7(121,118)  =  intval('-7648')/(intval('25704375647750163')*sqrt(intval('229405')));
B7(122,118)  =  intval('20274848')*sqrt(intval('11'))/(intval('397026184368115575')*sqrt(intval('21027')));
B7(115,119)  =  intval('67195336')/(intval('332665731434034075')*sqrt(intval('24433')));
B7(116,119)  =  intval('-22184')/(intval('205608884331486867')*sqrt(intval('24645')));
B7(117,119)  =  intval('-277994467')/(intval('352967583511031775')*sqrt(intval('24857')));
B7(118,119)  =  intval('16')*sqrt(intval('53'))/(intval('8199933215361615')*sqrt(intval('473')));
B7(119,119)  =  intval('29930')/(intval('4131347233887951'));
B7(120,119)  =  intval('2164')*sqrt(intval('53'))/(intval('1156535577506006775')*sqrt(intval('481')));
B7(121,119)  =  intval('-4573651')/(intval('6106827822302823')*sqrt(intval('25705')));
B7(122,119)  =  intval('-116644')/(intval('1226036833489960675')*sqrt(intval('25917')));
B7(123,119)  =  intval('128075112')/(intval('701207031083159965')*sqrt(intval('26129')));
B7(116,120)  =  intval('29793112')/(intval('50434761815344665')*sqrt(intval('223665')));
B7(117,120)  =  intval('-5372')/(intval('17313425697804885')*sqrt(intval('225589')));
B7(118,120)  =  intval('-13691407')/(intval('5942898497978925')*sqrt(intval('227513')));
B7(119,120)  =  intval('2164')*sqrt(intval('53'))/(intval('1156535577506006775')*sqrt(intval('481')));
B7(120,120)  =  intval('29726162')/(intval('4242594842494434195'));
B7(121,120)  =  intval('38872')/(intval('136207628495331435')*sqrt(intval('233285')));
B7(122,120)  =  intval('-4609527877')/(intval('2103191792249352455')*sqrt(intval('235209')));
B7(123,120)  =  intval('-4392')/(intval('16035919629760415')*sqrt(intval('237133')));
B7(124,120)  =  intval('180072')*sqrt(intval('7'))/(intval('2357801484483115')*sqrt(intval('34151')));
B7(117,121)  =  intval('10271264')/(intval('17832457731572055')*sqrt(intval('227465')));
B7(118,121)  =  intval('-7648')/(intval('25704375647750163')*sqrt(intval('229405')));
B7(119,121)  =  intval('-4573651')/(intval('6106827822302823')*sqrt(intval('25705')));
B7(120,121)  =  intval('38872')/(intval('136207628495331435')*sqrt(intval('233285')));
B7(121,121)  =  intval('177274462')/(intval('26153298435614112693'));
B7(122,121)  =  intval('118556')/(intval('432911440613823141')*sqrt(intval('237165')));
B7(123,121)  =  intval('-45366757')/(intval('212159534316920 19')*sqrt(intval('239105')));
B7(124,121)  =  intval('-164')*sqrt(intval('35'))/(intval('21832755601677669')*sqrt(intval('6887')));
B7(125,121)  =  intval('35160944')/(intval('67396767292135413')*sqrt(intval('242985')));
B7(118,122)  =  intval('20274848')*sqrt(intval('11'))/(intval('397026184368115575')*sqrt(intval('21027')));
B7(119,122)  =  intval('-116644')/(intval('1226036833489960675')*sqrt(intval('25917')));
B7(120,122)  =  intval('-4609527877')/(intval('2103191792249352455')*sqrt(intval('235209')));
B7(121,122)  =  intval('118556')/(intval('432911440613823141')*sqrt(intval('237165')));
B7(122,122)  =  intval('204133334')/(intval('311217211367160748 65'));
B7(123,122)  =  intval('17216')/(intval('65489572717510095')*sqrt(intval('241077')));
B7(124,122)  =  intval('-984263377')/(intval('471684193106930595')*sqrt(intval('243033')));
B7(125,122)  =  intval('-122512')/(intval('1455852868930115271')*sqrt(intval('27221')));
B7(126,122)  =  intval('50842480')*sqrt(intval('5'))/(intval('499234967374392711')*sqrt(intval('49389')));
B7(119,123)  =  intval('128075112')/(intval('701207031083159965')*sqrt(intval('26129')));
B7(120,123)  =  intval('-4392')/(intval('16035919629760415')*sqrt(intval('237133')));
B7(121,123)  =  intval('-45366757')/(intval('212159534316920 19')*sqrt(intval('239105')));
B7(122,123)  =  intval('17216')/(intval('65489572717510095')*sqrt(intval('241077')));
B7(123,123)  =  intval('492091198')/(intval('775083332997536621565'));
B7(124,123)  =  intval('40828')/(intval('161740303668447471')*sqrt(intval('245021')));
B7(125,123)  =  intval('-203320517')/(intval('99827589460648203')*sqrt(intval('246993')));
B7(126,123)  =  intval('-8300')*sqrt(intval('5'))/(intval('171137341757144763')*sqrt(intval('49793')));
B7(127,123)  =  intval('833320')/(intval('1676352586312833')*sqrt(intval('250937')));
B7(120,124)  =  intval('180072')*sqrt(intval('7'))/(intval('2357801484483115')*sqrt(intval('34151')));
B7(121,124)  =  intval('-164')*sqrt(intval('35'))/(intval('21832755601677669')*sqrt(intval('6887')));
B7(122,124)  =  intval('-984263377')/(intval('471684193106930595')*sqrt(intval('243033')));
B7(123,124)  =  intval('40828')/(intval('161740303668447471')*sqrt(intval('245021')));
B7(124,124)  =  intval('508260142')/(intval('82685163660811138845'));
B7(125,124)  =  intval('124472')/(intval('513346043814594705')*sqrt(intval('248997')));
B7(126,124)  =  intval('-349910731')/(intval('175983358925498553')*sqrt(intval('250985')));
B7(127,124)  =  intval('-2008')/(intval('8617868929636395')*sqrt(intval('252973')));
B7(128,124)  =  intval('64519048')/(intval('3987722986653175005')*sqrt(intval('28329')));
B7(121,125)  =  intval('35160944')/(intval('67396767292135413')*sqrt(intval('242985')));
B7(122,125)  =  intval('-122512')/(intval('1455852868930115271')*sqrt(intval('27221')));
B7(123,125)  =  intval('-203320517')/(intval('99827589460648203')*sqrt(intval('246993')));
B7(124,125)  =  intval('124472')/(intval('513346043814594705')*sqrt(intval('248997')));
B7(125,125)  =  intval('1574472842')/(intval('264486127783929666615'));
B7(126,125)  =  intval('18068')/(intval('775510104963624 03')*sqrt(intval('253005')));
B7(127,125)  =  intval('-774046411')/(intval('398697238281441645')*sqrt(intval('255009')));
B7(128,125)  =  intval('-128524')/(intval('5164937017885134945')*sqrt(intval('3173')));
B7(129,125)  =  intval('25424384')*sqrt(intval('11'))/(intval('589982785610125635')*sqrt(intval('23547')));
B7(122,126)  =  intval('50842480')*sqrt(intval('5'))/(intval('499234967374392711')*sqrt(intval('49389')));
B7(123,126)  =  intval('-8300')*sqrt(intval('5'))/(intval('171137341757144763')*sqrt(intval('49793')));
B7(124,126)  =  intval('-349910731')/(intval('175983358925498553')*sqrt(intval('250985')));
B7(125,126)  =  intval('18068')/(intval('775510104963624 03')*sqrt(intval('253005')));
B7(126,126)  =  intval('55284694')/(intval('9587117778115243041'));
B7(127,126)  =  intval('42832')/(intval('191270490091593299')*sqrt(intval('257045')));
B7(128,126)  =  intval('-124268201')/(intval('196624490868286481')*sqrt(intval('28785')));
B7(129,126)  =  intval('-8704')*sqrt(intval('5'))/(intval('20211294674359871')*sqrt(intval('52217')));
B7(130,126)  =  intval('96187904')/(intval('207738823830306269')*sqrt(intval('263105')));
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B7(123,127) = intval('833320')/(intval('16763352586312833')*sqrt(intval('250937')));
B7(124,127) = intval('-2008')/(intval('8617868929636395')*sqrt(intval('252973')));
B7(125,127) = intval('-774046411')/(intval('398697238281441645')*sqrt(intval('255009')));
B7(126,127) = intval('42832')/(intval('191270149091593299')*sqrt(intval('257045')));
B7(127,127) = intval('186387914')/(intval('3335856170713357695'));
B7(128,127) = intval('130532')/(intval('1818793310852212695')*sqrt(intval('29013')));
B7(129,127) = intval('-128221297')/(intval('69233477218415055')*sqrt(intval('263153')));
B7(130,127) = intval('-44204')/(intval('213452148061395243')*sqrt(intval('265189')));
B7(131,127) = intval('42524248')/(intval('470027764750578705')*sqrt(intval('10689')));
B7(124,128) = intval('64519048')/(intval('3987722986653175005')*sqrt(intval('28329')));
B7(125,128) = intval('-128524')/(intval('5164937017885134945')*sqrt(intval('3173')));
B7(126,128) = intval('-124268201')/(intval('196624490868286481')*sqrt(intval('28785')));
B7(127,128) = intval('130532')/(intval('1818793310852212695')*sqrt(intval('29013')));
B7(128,128) = intval('1730855978')/(intval('31963153030358904859095'));
B7(129,128) = intval('132584')/(intval('19208375476688850083')*sqrt(intval('29469')));
B7(130,128) = intval('-18895423')/(intval('31329556779141775')*sqrt(intval('29697')));
B7(131,128) = intval('-3848')/(intval('8691390597731771851')*sqrt(intval('133')));
B7(132,128) = intval('14618552')/(intval('2281986115734104175')*sqrt(intval('57')));
B7(125,129) = intval('25424384')*sqrt(intval('11'))/(intval('589982785610125635')*sqrt(intval('23547')));
B7(126,129) = intval('-8704')*sqrt(intval('5'))/(intval('202112914674359871')*sqrt(intval('52217')));
B7(127,129) = intval('-128221297')/(intval('69233477218415055')*sqrt(intval('263153')));
B7(128,129) = intval('132584')/(intval('19208375476688850083')*sqrt(intval('29469')));
B7(129,129) = intval('28341014')/(intval('5398803758240850825'));
B7(130,129) = intval('916')/(intval('4598073041048775')*sqrt(intval('269357')));
B7(131,129) = intval('-1227686921')/(intval('3471973459644963915')*sqrt(intval('10857')));
B7(132,129) = intval('-15196')/(intval('1822940552801131575')*sqrt(intval('517')));
B7(133,129) = intval('15986192')*sqrt(intval('11'))/(intval('407064395285689575')*sqrt(intval('25051')));
B7(126,130) = intval('96187904')/(intval('207738323830306269')*sqrt(intval('263105')));
B7(127,130) = intval('-44204')/(intval('213452148061395243')*sqrt(intval('265189')));
B7(128,130) = intval('-18895423')/(intval('31329556779141775')*sqrt(intval('29697')));
B7(129,130) = intval('916')/(intval('4598073041048775')*sqrt(intval('269357')));
B7(130,130) = intval('613798238')/(intval('120586103171354360925'));
B7(131,130) = intval('136736')/(intval('3566205557448575085')*sqrt(intval('10941')));
B7(132,130) = intval('-2109717959')/(intval('28082551572057057075')*sqrt(intval('521')));
B7(133,130) = intval('-46288')/(intval('250801671567574575')*sqrt(intval('277693')));
B7(134,130) = intval('46612016')/(intval('110385871961616225')*sqrt(intval('279777')));
B7(127,131) = intval('42524248')/(intval('470027764750578705')*sqrt(intval('10689')));
B7(128,131) = intval('-3848')/(intval('8691390597731771851')*sqrt(intval('133')));
B7(129,131) = intval('-1227686921')/(intval('3471973459644963915')*sqrt(intval('10857')));
B7(130,131) = intval('136736')/(intval('3566205557448575085')*sqrt(intval('10941')));
B7(131,131) = intval('9493042018')/(intval('1922932659931198371027'));
B7(132,131) = intval('138836')/(intval('86516606934924827895')*sqrt(intval('21')));
B7(133,131) = intval('-1304856601')/(intval('3862842789218899635')*sqrt(intval('11193')));
B7(134,131) = intval('-4028')/(intval('339988485641777973')*sqrt(intval('1253')));
B7(135,131) = intval('48037928')/(intval('5818158597502270145')*sqrt(intval('11361')));
B7(128,132) = intval('14618552')/(intval('2281986115734104175')*sqrt(intval('57')));
B7(129,132) = intval('-15196')/(intval('1822940552801131575')*sqrt(intval('517')));
B7(130,132) = intval('-2109717959')/(intval('28082551572057057075')*sqrt(intval('521')));
B7(131,132) = intval('138836')/(intval('86516606934924827895')*sqrt(intval('21')));
B7(132,132) = intval('50183206')/(intval('10478600004780947025'));
B7(133,132) = intval('6712')/(intval('868760854288987275')*sqrt(intval('533')));
B7(134,132) = intval('-14777779')/(intval('205838517672901575')*sqrt(intval('537')));
B7(135,132) = intval('-47704')/(intval('6410092993944280641')*sqrt(intval('541')));
B7(136,132) = intval('12832376')/(intval('7311533438169630067')*sqrt(intval('545')));
B7(129,133) = intval('15986192')*sqrt(intval('11'))/(intval('407064395285689575')*sqrt(intval('25051')));
B7(130,133) = intval('-46288')/(intval('250801671567574575')*sqrt(intval('277693')));
B7(131,133) = intval('-1304856601')/(intval('3862842789218899635')*sqrt(intval('11193')));
B7(132,133) = intval('6712')/(intval('868760854288987275')*sqrt(intval('533')));
B7(133,133) = intval('96048802')/(intval('20669199445349653275'));
B7(134,133) = intval('143084')/(intval('836005608851013909')*sqrt(intval('286221')));
B7(135,133) = intval('-461869411')/(intval('2860558568823791285')*sqrt(intval('288353')));
B7(136,133) = intval('-1076')*sqrt(intval('5'))/(intval('32624266177329211')*sqrt(intval('58097')));
B7(137,133) = intval('39657056')/(intval('301359746892278305')*sqrt(intval('32513')));
B7(130,134) = intval('46612016')/(intval('110385871961616225')*sqrt(intval('279777')));
B7(131,134) = intval('-4028')/(intval('339988485641777973')*sqrt(intval('1253')));
B7(132,134) = intval('-14777779')/(intval('205838517672901575')*sqrt(intval('537')));
B7(133,134) = intval('143084')/(intval('836005608851013909')*sqrt(intval('286221')));
B7(134,134) = intval('159866786')/(intval('35446955084963768115'));
B7(135,134) = intval('145232')/(intval('880758161946047385')*sqrt(intval('290517')));
B7(136,134) = intval('-1427361329')/(intval('903930962599331667')*sqrt(intval('292665')));
B7(137,134) = intval('-147424')/(intval('2782947830239866135')*sqrt(intval('32757')));
B7(138,134) = intval('262562144')/(intval('679945865065281045')*sqrt(intval('296961')));
B7(131,135) = intval('48037928')/(intval('5818158597502270145')*sqrt(intval('11361')));
B7(132,135) = intval('-47704')/(intval('6410092993944280641')*sqrt(intval('541')));
B7(133,135) = intval('-461869411')/(intval('2860558568823791285')*sqrt(intval('288353')));
B7(134,135) = intval('145232')/(intval('880758161946047385')*sqrt(intval('290517')));
B7(135,135) = intval('713631902')/(intval('162999972377777820285'));
B7(136,135) = intval('49132')/(intval('309182865828375231')*sqrt(intval('294845')));
B7(137,135) = intval('-350012137')/(intval('679835978154368805')*sqrt(intval('33001')));
B7(138,135) = intval('-7124')/(intval('465027671111673565')*sqrt(intval('299173')));
B7(139,135) = intval('3604744')/(intval('95421226238499251')*sqrt(intval('301337')));
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B7(132,136) = intval('12832376')/(intval('731153343816963067')*sqrt(intval('545')));
B7(133,136) = intval('-1076')*sqrt(intval('5'))/(intval('32624266177329211')*sqrt(intval('58097')));
B7(134,136) = intval('-1427361329')/(intval('903930962599331667')*sqrt(intval('292665')));
B7(135,136) = intval('49132')/(intval('309182865828375231')*sqrt(intval('294845')));
B7(136,136) = intval('174994286')/(intval('411656277340776660429'));
B7(137,136) = intval('21368')/(intval('418480142731259301')*sqrt(intval('33245')));
B7(138,136) = intval('-168187897')/(intval('111307076000876739')*sqrt(intval('301385')));
B7(139,136) = intval('-10120')*sqrt(intval('5'))/(intval('342553577717867607')*sqrt(intval('60713')));
B7(140,136) = intval('7084552')*sqrt(intval('55'))/(intval('1054156589993658879')*sqrt(intval('5559')));
B7(133,137) = intval('39657056')/(intval('3013597468922278305')*sqrt(intval('32513')));
B7(134,137) = intval('-147424')/(intval('2782947830239866135')*sqrt(intval('32757')));
B7(135,137) = intval('-350012137')/(intval('679835978154368805')*sqrt(intval('33001')));
B7(136,137) = intval('21368')/(intval('418480142731259301')*sqrt(intval('33245')));
B7(137,137) = intval('119493998')/(intval('289441614327721515085'));
B7(138,137) = intval('7988')/(intval('162245118117858165')*sqrt(intval('33733')));
B7(139,137) = intval('-103886375')/(intval('210798224032342947')*sqrt(intval('33977')));
B7(140,137) = intval('-154012')/(intval('3243115629324753819')*sqrt(intval('34221')));
B7(141,137) = intval('19097488')/(intval('158386686519647157')*sqrt(intval('34465')));
B7(134,138) = intval('262562144')/(intval('6799458650065281045')*sqrt(intval('296961')));
B7(135,138) = intval('-7124')/(intval('46502767111673565')*sqrt(intval('299173')));
B7(136,138) = intval('-168187897')/(intval('111307076000876739')*sqrt(intval('301385')));
B7(137,138) = intval('7988')/(intval('162245118117858165')*sqrt(intval('33733')));
B7(138,138) = intval('4556122')/(intval('1136114218766364695'));
B7(139,138) = intval('51328')/(intval('360308745024275619')*sqrt(intval('308021')));
B7(140,138) = intval('-1603878737')/(intval('1108535263839363555')*sqrt(intval('310233')));
B7(141,138) = intval('-496')*sqrt(intval('5'))/(intval('18044052894643347')*sqrt(intval('62489')));
B7(142,138) = intval('6550672')/(intval('18502522478173305')*sqrt(intval('314657')));
B7(135,139) = intval('3604744')/(intval('9542126238499251')*sqrt(intval('301337')));
B7(136,139) = intval('-10120')*sqrt(intval('5'))/(intval('342553577717867607')*sqrt(intval('60713')));
B7(137,139) = intval('-103886375')/(intval('210798224032342947')*sqrt(intval('33977')));
B7(138,139) = intval('51328')/(intval('360308745024275619')*sqrt(intval('308021')));
B7(139,139) = intval('801887678')/(intval('2058074329782628880765'));
B7(140,139) = intval('3188')/(intval('23197120775518365')*sqrt(intval('312477')));
B7(141,139) = intval('-78593077')/(intval('554991012098843291')*sqrt(intval('314705')));
B7(142,139) = intval('-52828')/(intval('398319114965486715')*sqrt(intval('316933')));
B7(143,139) = intval('2122946008')/(intval('6125502065280052455')*sqrt(intval('319161')));
B7(136,140) = intval('7084552')*sqrt(intval('55'))/(intval('1054156589993658879')*sqrt(intval('5559')));
B7(137,140) = intval('-154012')/(intval('3243115629324753819')*sqrt(intval('34221')));
B7(138,140) = intval('-1603878737')/(intval('1108535263839363555')*sqrt(intval('310233')));
B7(139,140) = intval('3188')/(intval('23197120775518365')*sqrt(intval('312477')));
B7(140,140) = intval('353646374')/(intval('9340023874996648065'));
B7(141,140) = intval('158456')/(intval('1194836704967645649')*sqrt(intval('316965')));
B7(142,140) = intval('-8490187877')/(intval('6124580963120860695')*sqrt(intval('319209')));
B7(143,140) = intval('-160744')/(intval('3767019986669550975')*sqrt(intval('35717')));
B7(144,140) = intval('39703768')*sqrt(intval('11'))/(intval('12871213192377175')*sqrt(intval('29427')));
B7(137,141) = intval('19097488')/(intval('158386686519647157')*sqrt(intval('34465')));
B7(138,141) = intval('-496')*sqrt(intval('5'))/(intval('18044052894643347')*sqrt(intval('62489')));
B7(139,141) = intval('-78593077')/(intval('554991012098843291')*sqrt(intval('314705')));
B7(140,141) = intval('158456')/(intval('1194836704967645649')*sqrt(intval('316965')));
B7(141,141) = intval('4244828006')/(intval('1153404934900794585009'));
B7(142,141) = intval('53572')/(intval('418516113858737895')*sqrt(intval('321485')));
B7(143,141) = intval('-69865681')*sqrt(intval('5'))/(intval('257386096880749683')*sqrt(intval('64749')));
B7(144,141) = intval('-10868')/(intval('87934306057656471')*sqrt(intval('326005')));
B7(145,141) = intval('7129408')/(intval('21457368939891645')*sqrt(intval('328265')));
B7(138,142) = intval('6550672')/(intval('18502522478173305')*sqrt(intval('314657')));
B7(139,142) = intval('-52828')/(intval('398319114965486715')*sqrt(intval('316933')));
B7(140,142) = intval('-8490187877')/(intval('6124580963120860695')*sqrt(intval('319209')));
B7(141,142) = intval('53572')/(intval('418516113858737895')*sqrt(intval('321485')));
B7(142,142) = intval('174653414')/(intval('48815150518253254905'));
B7(143,142) = intval('162992')/(intval('1318885131733191225')*sqrt(intval('326037')));
B7(144,142) = intval('-85537261')/(intval('64362695492291175')*sqrt(intval('328313')));
B7(145,142) = intval('-2624')/(intval('21985318263544515')*sqrt(intval('330589')));
B7(146,142) = intval('21991744')/(intval('2027534906552688305')*sqrt(intval('36985')));
B7(139,143) = intval('2122946008')/(intval('6125502065280052455')*sqrt(intval('319161')));
B7(140,143) = intval('-160744')/(intval('3767019986669550975')*sqrt(intval('35717')));
B7(141,143) = intval('-69865681')*sqrt(intval('5'))/(intval('257386096880749683')*sqrt(intval('64749')));
B7(142,143) = intval('162992')/(intval('1318885131733191225')*sqrt(intval('326037')));
B7(143,143) = intval('10996978')/(intval('3160973768909587515'));
B7(144,143) = intval('23612')/(intval('197848713224030715')*sqrt(intval('330621')));
B7(145,143) = intval('-1846973561')/(intval('1419069801007319175')*sqrt(intval('332913')));
B7(146,143) = intval('-33524')/(intval('872370778106697639')*sqrt(intval('37245')));
B7(147,143) = intval('474766888')/(intval('1489599840024571275')*sqrt(intval('337497')));
B7(140,144) = intval('39703768')*sqrt(intval('11'))/(intval('12871213192377717775')*sqrt(intval('29427')));
B7(141,144) = intval('-10868')/(intval('87934306057656471')*sqrt(intval('326005')));
B7(142,144) = intval('-85537261')/(intval('64362695492291175')*sqrt(intval('328313')));
B7(143,144) = intval('23612')/(intval('197848713224030715')*sqrt(intval('330621')));
B7(144,144) = intval('184686262')/(intval('545842616594742251705'));
B7(145,144) = intval('55864')/(intval('484604700043640075')*sqrt(intval('335237')));
B7(146,144) = intval('-126581999')/(intval('2978776028137123383')*sqrt(intval('37505')));
B7(147,144) = intval('-56648')/(intval('508580881256222775')*sqrt(intval('339853')));
B7(148,144) = intval('116185048')/(intval('372116942931571695')*sqrt(intval('342161')));
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B7(141,145) = intval('7129408')/(intval('21457368939891645')*sqrt(intval('328265')));
B7(142,145) = intval('-2624')/(intval('219853182635544515')*sqrt(intval('330589')));
B7(143,145) = intval('-1846973561')/(intval('1419069801007319175')*sqrt(intval('332913')));
B7(144,145) = intval('55864')/(intval('4846041700436400075')*sqrt(intval('335237')));
B7(145,145) = intval('324550')/(intval('98608936789163537'));
B7(146,145) = intval('169916')/(intval('4576796987622695055')*sqrt(intval('37765')));
B7(147,145) = intval('-83400281')/(intval('66780852185238015')*sqrt(intval('342209')));
B7(148,145) = intval('-1172')*sqrt(intval('7'))/(intval('76216723251044805')*sqrt(intval('49219')));
B7(149,145) = intval('10233904')*sqrt(intval('7'))/(intval('234178843978598805')*sqrt(intval('49551')));
B7(142,146) = intval('21991744')/(intval('2027753490652688305')*sqrt(intval('36985')));
B7(143,146) = intval('-33524')/(intval('872370778106697639')*sqrt(intval('37245')));
B7(144,146) = intval('-126581999')/(intval('2978777602813712383')*sqrt(intval('37505')));
B7(145,146) = intval('169916')/(intval('4576796987622695055')*sqrt(intval('37765')));
B7(146,146) = intval('14635894018')/(intval('457060172901623175027'));
B7(147,146) = intval('24608')/(intval('685886804541000909')*sqrt(intval('38285')));
B7(148,146) = intval('-95499917')/(intval('234146441492295717')*sqrt(intval('38545')));
B7(149,146) = intval('-34928')*sqrt(intval('5'))/(intval('5035445604114178407')*sqrt(intval('7761')));
B7(150,146) = intval('57246992')/(intval('572929488404071757')*sqrt(intval('39065')));
B7(143,147) = intval('474766888')/(intval('1489599840024571275')*sqrt(intval('337497')));
B7(144,147) = intval('-56648')/(intval('508580881256222775')*sqrt(intval('339853')));
B7(145,147) = intval('-83400281')/(intval('66780852185238015')*sqrt(intval('342209')));
B7(146,147) = intval('24608')/(intval('685886804541000909')*sqrt(intval('38285')));
B7(147,147) = intval('3672862')/(intval('1178682850636089645'));
B7(148,147) = intval('58204')/(intval('559442696391834255')*sqrt(intval('349277')));
B7(149,147) = intval('-2060540057')/(intval('1718553840343871895')*sqrt(intval('351633')));
B7(150,147) = intval('-6556')/(intval('65171945200463171')*sqrt(intval('353989')));
B7(151,147) = intval('356408')*sqrt(intval('5'))/(intval('66726301644767233')*sqrt(intval('589')));
B7(144,148) = intval('116185048')/(intval('372116942931571695')*sqrt(intval('342161')));
B7(145,148) = intval('-1172')*sqrt(intval('7'))/(intval('76216723251044805')*sqrt(intval('49219')));
B7(146,148) = intval('-95499917')/(intval('234146441492295717')*sqrt(intval('38545')));
B7(147,148) = intval('58204')/(intval('559442696391834255')*sqrt(intval('349277')));
B7(148,148) = intval('1030211438')/(intval('3396853527496552591165'));
B7(149,148) = intval('176984')/(intval('1759483466117271153')*sqrt(intval('354021')));
B7(150,148) = intval('-141113807')/(intval('120091166569736901')*sqrt(intval('356393')));
B7(151,148) = intval('-11960')*sqrt(intval('5'))/(intval('6761861120976386733')*sqrt(intval('593')));
B7(152,148) = intval('15531256')/(intval('53937978484945797')*sqrt(intval('361137')));
B7(145,149) = intval('10233904')*sqrt(intval('7'))/(intval('234178843978598805')*sqrt(intval('49551')));
B7(146,149) = intval('-34928')*sqrt(intval('5'))/(intval('5035445604114178407')*sqrt(intval('7761')));
B7(147,149) = intval('-2060540057')/(intval('1718553840343871895')*sqrt(intval('351633')));
B7(148,149) = intval('176984')/(intval('1759483466117271153')*sqrt(intval('354021')));
B7(149,149) = intval('3174882506')/(intval('1075368118776086516535'));
B7(150,149) = intval('179372')/(intval('18439794685562821205')*sqrt(intval('358797')));
B7(151,149) = intval('-310573519')/(intval('2966194569227633667')*sqrt(intval('2985')));
B7(152,149) = intval('-25972')/(intval('8280428355535223165')*sqrt(intval('40397')));
B7(153,149) = intval('398722144')/(intval('1412543660618910105')*sqrt(intval('365961')));
B7(146,150) = intval('57246992')/(intval('572929488404071757')*sqrt(intval('39065')));
B7(147,150) = intval('-6556')/(intval('65171945200463171')*sqrt(intval('353989')));
B7(148,150) = intval('-141113807')/(intval('120091166569736901')*sqrt(intval('356393')));
B7(149,150) = intval('179372')/(intval('18439794685562821205')*sqrt(intval('358797')));
B7(150,150) = intval('155278162')/(intval('540183020968326696315'));
B7(151,150) = intval('8656')/(intval('10119632862553710791')*sqrt(intval('3005')));
B7(152,150) = intval('-11162389877')/(intval('9886508894825806815')*sqrt(intval('366009')));
B7(153,150) = intval('-61408')/(intval('674542480195719135')*sqrt(intval('368413')));
B7(154,150) = intval('63680096')/(intval('2301026935378172415')*sqrt(intval('370817')));
B7(147,151) = intval('356408')*sqrt(intval('5'))/(intval('66726301644767233')*sqrt(intval('589')));
B7(148,151) = intval('-11960')*sqrt(intval('5'))/(intval('6761861120976386733')*sqrt(intval('593')));
B7(149,151) = intval('-310573519')/(intval('2966194569227633667')*sqrt(intval('2985')));
B7(150,151) = intval('8656')/(intval('10119632862553710791')*sqrt(intval('3005')));
B7(151,151) = intval('5580890006')/(intval('1993692139994251089009'));
B7(152,151) = intval('184196')/(intval('22257968540648945247')*sqrt(intval('3045')));
B7(153,151) = intval('-764037523')/(intval('7592406097396751631')*sqrt(intval('3065')));
B7(154,151) = intval('-4148')*sqrt(intval('5'))/(intval('2589701224088885907')*sqrt(intval('617')));
B7(155,151) = intval('2546872')/(intval('309720033972250941')*sqrt(intval('345')));
B7(148,152) = intval('15531256')/(intval('53937978484945797')*sqrt(intval('361137')));
B7(149,152) = intval('-25972')/(intval('8280428355535223165')*sqrt(intval('40397')));
B7(150,152) = intval('-11162389877')/(intval('9886508894825806815')*sqrt(intval('366009')));
B7(151,152) = intval('184196')/(intval('22257968540648945247')*sqrt(intval('3045')));
B7(152,152) = intval('3437983466')/(intval('1260975229427248676055'));
B7(153,152) = intval('4552')/(intval('51674752017467865')*sqrt(intval('373317')));
B7(154,152) = intval('-57388633')/(intval('528722752238463395')*sqrt(intval('375753')));
B7(155,152) = intval('-27016')/(intval('2851560312779000043')*sqrt(intval('4669')));
B7(156,152) = intval('86262088')/(intval('8103692816381837025')*sqrt(intval('609')));
B7(149,153) = intval('398722144')/(intval('1412543660618910105')*sqrt(intval('365961')));
B7(150,153) = intval('-61408')/(intval('674542480195719135')*sqrt(intval('368413')));
B7(151,153) = intval('-764037523')/(intval('7592406097396751631')*sqrt(intval('3065')));
B7(152,153) = intval('4552')/(intval('51674752017467865')*sqrt(intval('373317')));
B7(153,153) = intval('1176404366')/(intval('442927437490381608765'));
B7(154,153) = intval('9004')/(intval('1056044093329718481')*sqrt(intval('378221')));
B7(155,153) = intval('-934943')/(intval('2635014959906875')*sqrt(intval('42297')));
B7(156,153) = intval('-12772')/(intval('38680921991140824655')*sqrt(intval('613')));
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B7(157,153) = intval('206548784')/(intval('791344557925700625')*sqrt(intval('385577')));
B7(150,154) = intval('63680096')/(intval('2301026935781724415')*sqrt(intval('370817')));
B7(151,154) = intval('-4148')*sqrt(intval('5'))/(intval('2589701224088885907')*sqrt(intval('617')));
B7(152,154) = intval('-57388633')/(intval('52872275238463395')*sqrt(intval('375753')));
B7(153,154) = intval('9004')/(intval('105604093329718481')*sqrt(intval('378221')));
B7(154,154) = intval('57495974')/(intval('2221839062298099995625'));
B7(155,154) = intval('4672')/(intval('169804499221231875')*sqrt(intval('42573')));
B7(156,154) = intval('-275355529')/(intval('6593717139088446675')*sqrt(intval('617')));
B7(157,154) = intval('-64688')/(intval('809300512238439375')*sqrt(intval('388093')));
B7(158,154) = intval('3178833008')/(intval('12415854199950691875')*sqrt(intval('390561')));
B7(151,155) = intval('2546872')/(intval('3097200339722250941')*sqrt(intval('345')));
B7(152,155) = intval('-27016')/(intval('2851560312779000043')*sqrt(intval('4669')));
B7(153,155) = intval('-934943')/(intval('2635014959906875')*sqrt(intval('42297')));
B7(154,155) = intval('4672')/(intval('169804499221231875')*sqrt(intval('42573')));
B7(155,155) = intval('3717106874')/(intval('14740302444991120144375'));
B7(156,155) = intval('194036')/(intval('182077602142697189775')*sqrt(intval('69')));
B7(157,155) = intval('-1412597653')/(intval('4138109492431000625')*sqrt(intval('43401')));
B7(158,155) = intval('-196564')/(intval('22852369324546925625')*sqrt(intval('4853')));
B7(159,155) = intval('31057112')/(intval('2596580467140226875')*sqrt(intval('897')));
B7(152,156) = intval('86262088')/(intval('8103692816381837025')*sqrt(intval('609')));
B7(153,156) = intval('-12772')/(intval('3868092199140824655')*sqrt(intval('613')));
B7(154,156) = intval('-275355529')/(intval('6593717139088446675')*sqrt(intval('617')));
B7(155,156) = intval('194036')/(intval('182077602142697189775')*sqrt(intval('69')));
B7(156,156) = intval('111515158')/(intval('45372149073094195737'));
B7(157,156) = intval('3448')/(intval('1113572571319818225')*sqrt(intval('629')));
B7(158,156) = intval('-53232689')/(intval('1324625220298455075')*sqrt(intval('633')));
B7(159,156) = intval('-632')/(intval('1474857705335648865')*sqrt(intval('13')));
B7(160,156) = intval('10618232')/(intval('1077143267941766025')*sqrt(intval('641')));
B7(153,157) = intval('206548784')/(intval('791344557925700625')*sqrt(intval('385577')));
B7(154,157) = intval('-64688')/(intval('809300512238439375')*sqrt(intval('388093')));
B7(155,157) = intval('-1412597653')/(intval('4138109492431000625')*sqrt(intval('43401')));
B7(156,157) = intval('3448')/(intval('1113572571319818225')*sqrt(intval('629')));
B7(157,157) = intval('9805526')/(intval('4092694022217425625'));
B7(158,157) = intval('28436')/(intval('379218643860931875')*sqrt(intval('398157')));
B7(159,157) = intval('-891797923')/(intval('6332843659814161875')*sqrt(intval('8177')));
B7(160,157) = intval('-67204')/(intval('924938985501918387')*sqrt(intval('403189')));
B7(161,157) = intval('686018432')/(intval('2836774591898228163')*sqrt(intval('405705')));
B7(154,158) = intval('3178833008')/(intval('12415854199950691875')*sqrt(intval('390561')));
B7(155,158) = intval('-196564')/(intval('22852369324546925625')*sqrt(intval('4853')));
B7(156,158) = intval('-53232689')/(intval('1324625220298455075')*sqrt(intval('633')));
B7(157,158) = intval('28436')/(intval('379218643860931875')*sqrt(intval('398157')));
B7(158,158) = intval('308683874')/(intval('13214933949498396941875'));
B7(159,158) = intval('201584')/(intval('19422177210850110543')*sqrt(intval('8229')));
B7(160,158) = intval('-211051381')/(intval('218187615809100735')*sqrt(intval('405753')));
B7(161,158) = intval('-40832')*sqrt(intval('5'))/(intval('8698545786531533751')*sqrt(intval('9073')));
B7(162,158) = intval('9135232')*sqrt(intval('11'))/(intval('423406688726348145')*sqrt(intval('37347')));
B7(155,159) = intval('31057112')/(intval('2596580467140226875')*sqrt(intval('897')));
B7(156,159) = intval('-632')/(intval('1474857705335648865')*sqrt(intval('13')));
B7(157,159) = intval('-891797923')/(intval('6332843659814161875')*sqrt(intval('8177')));
B7(158,159) = intval('201584')/(intval('19422177210850110543')*sqrt(intval('8229')));
B7(159,159) = intval('1371766366')/(intval('602246800526462928765'));
B7(160,159) = intval('68044')/(intval('6765005393461504665')*sqrt(intval('8333')));
B7(161,159) = intval('-2813240569')/(intval('20744503952592983409')*sqrt(intval('8385')));
B7(162,159) = intval('-9844')/(intval('1009662103885907115')*sqrt(intval('8437')));
B7(163,159) = intval('19077672')/(intval('5732902059684634445')*sqrt(intval('8489')));
B7(156,160) = intval('10618232')/(intval('1077143267941766025')*sqrt(intval('641')));
B7(157,160) = intval('-67204')/(intval('924938985501918387')*sqrt(intval('403189')));
B7(158,160) = intval('-211051381')/(intval('218187615809100735')*sqrt(intval('405753')));
B7(159,160) = intval('68044')/(intval('6765005393461504665')*sqrt(intval('8333')));
B7(160,160) = intval('108196294')/(intval('487058946156824433745'));
B7(161,160) = intval('29528')/(intval('432678388975422039')*sqrt(intval('413445')));
B7(162,160) = intval('-98099591')/(intval('105286051566664605')*sqrt(intval('416009')));
B7(163,160) = intval('-7752')/(intval('117162272982634495')*sqrt(intval('418573')));
B7(164,160) = intval('16426488')/(intval('2155125753736910057')*sqrt(intval('46793')));
B7(157,161) = intval('686018432')/(intval('2836774591898228163')*sqrt(intval('405705')));
B7(158,161) = intval('-40832')*sqrt(intval('5'))/(intval('8698545786531533751')*sqrt(intval('9073')));
B7(159,161) = intval('-2813240569')/(intval('20744503952592983409')*sqrt(intval('8385')));
B7(160,161) = intval('29528')/(intval('432678388975422039')*sqrt(intval('413445')));
B7(161,161) = intval('3089988574')/(intval('1426044721783144323861'));
B7(162,161) = intval('209276')/(intval('3163139547801214149')*sqrt(intval('418605')));
B7(163,161) = intval('-2956346633')/(intval('3232320219920585871')*sqrt(intval('421185')));
B7(164,161) = intval('-42380')*sqrt(intval('5'))/(intval('9908566546832260923')*sqrt(intval('9417')));
B7(165,161) = intval('151516976')*sqrt(intval('5'))/(intval('3374768388423429459')*sqrt(intval('85269')));
B7(158,162) = intval('9135232')*sqrt(intval('11'))/(intval('423406688726348145')*sqrt(intval('37347')));
B7(159,162) = intval('-9844')/(intval('1009662103885907115')*sqrt(intval('8437')));
B7(160,162) = intval('-98099591')/(intval('105286051566664605')*sqrt(intval('416009')));
B7(161,162) = intval('209276')/(intval('3163139547801214149')*sqrt(intval('418605')));
B7(162,162) = intval('1478103134')/(intval('699320451090148742005'));
B7(163,162) = intval('70624')/(intval('1100868708031432515')*sqrt(intval('423797')));
B7(164,162) = intval('-201994207')/(intval('6748776696661243047')*sqrt(intval('47377')));
B7(165,162) = intval('-71504')/(intval('1149189235503201711')*sqrt(intval('428989')));
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B7(166,162) = intval('3360688')*sqrt(intval('11'))/(intval('167722253183399499')*sqrt(intval('39235')));
B7(159,163) = intval('19077672')/(intval('573290205968463445')*sqrt(intval('8489')));
B7(160,163) = intval('-7752')/(intval('117162272982634495')*sqrt(intval('418573')));
B7(161,163) = intval('-2956346633')/(intval('3232320219920585871')*sqrt(intval('421185')));
B7(162,163) = intval('70624')/(intval('1100868708031432515')*sqrt(intval('423797')));
B7(163,163) = intval('504961834')/(intval('244821444369982479615'));
B7(164,163) = intval('214484')/(intval('10341931673609326791')*sqrt(intval('47669')));
B7(165,163) = intval('-49283239')/(intval('55901200510740585')*sqrt(intval('431633')));
B7(166,163) = intval('-2068')*sqrt(intval('5'))/(intval('171318136100042061')*sqrt(intval('86849')));
B7(167,163) = intval('113628328')/(intval('525007191274322445')*sqrt(intval('436857')));
B7(160,164) = intval('16426488')/(intval('215512575373691057')*sqrt(intval('46793')));
B7(161,164) = intval('-42380')*sqrt(intval('5'))/(intval('9908566546832260923')*sqrt(intval('9417')));
B7(162,164) = intval('-201994207')/(intval('674877696661243047')*sqrt(intval('47377')));
B7(163,164) = intval('214484')/(intval('10341931673609326791')*sqrt(intval('47669')));
B7(164,164) = intval('665292902')/(intval('330531546302088916785'));
B7(165,164) = intval('31016')/(intval('1541749611646172565')*sqrt(intval('48253')));
B7(166,164) = intval('-1060385419')/(intval('3674646584291062731')*sqrt(intval('48545')));
B7(167,164) = intval('-219784')/(intval('11260085741623253535')*sqrt(intval('48837')));
B7(168,164) = intval('1358045336')/(intval('19167932216656378155')*sqrt(intval('49129')));
B7(161,165) = intval('151516976')*sqrt(intval('5'))/(intval('3374768388423429459')*sqrt(intval('85269')));
B7(162,165) = intval('-71504')/(intval('1149189235503201711')*sqrt(intval('428989')));
B7(163,165) = intval('-49283239')/(intval('55901200510740585')*sqrt(intval('431633')));
B7(164,165) = intval('31016')/(intval('1541749611646172565')*sqrt(intval('48253')));
B7(165,165) = intval('176722814')/(intval('89957497949777932565'));
B7(166,165) = intval('73252')/(intval('1251029557320657543')*sqrt(intval('439565')));
B7(167,165) = intval('-16294332877')/(intval('19165851615071155995')*sqrt(intval('442209')));
B7(168,165) = intval('-24716')/(intval('434975768910507825')*sqrt(intval('444853')));
B7(169,165) = intval('13247776')/(intval('63459504113759325')*sqrt(intval('447497')));
B7(162,166) = intval('3360688')*sqrt(intval('11'))/(intval('167722253183399499')*sqrt(intval('39235')));
B7(163,166) = intval('-2068')*sqrt(intval('5'))/(intval('171318136100042061')*sqrt(intval('86849')));
B7(164,166) = intval('-1060385419')/(intval('3674646584291062731')*sqrt(intval('48545')));
B7(165,166) = intval('73252')/(intval('1251029557320657543')*sqrt(intval('439565')));
B7(166,166) = intval('8146798006')/(intval('4248276730250125725009'));
B7(167,166) = intval('222416')/(intval('3914500335017623065')*sqrt(intval('444885')));
B7(168,166) = intval('-222532799')/(intval('266501331468475389')*sqrt(intval('447545')));
B7(169,166) = intval('-2144')/(intval('38877296204429397')*sqrt(intval('450205')));
B7(170,166) = intval('122107232')/(intval('595473518787300945')*sqrt(intval('452865')));
B7(163,167) = intval('113628328')/(intval('525007191274322445')*sqrt(intval('436857')));
B7(164,167) = intval('-219784')/(intval('11260085741623253535')*sqrt(intval('48837')));
B7(165,167) = intval('-16294332877')/(intval('19165851615071155995')*sqrt(intval('442209')));
B7(166,167) = intval('222416')/(intval('3914500335017623065')*sqrt(intval('444885')));
B7(167,167) = intval('200270570')/(intval('106969810217093110287'));
B7(168,167) = intval('32156')/(intval('583117995779394075')*sqrt(intval('450237')));
B7(169,167) = intval('-488364223')/(intval('595410410135304225')*sqrt(intval('452913')));
B7(170,167) = intval('-227812')/(intval('12766631808619218915')*sqrt(intval('50621')));
B7(171,167) = intval('875253704')/(intval('4344865697985851115')*sqrt(intval('458265')));
B7(164,168) = intval('1358045336')/(intval('19167932216656378155')*sqrt(intval('49129')));
B7(165,168) = intval('-24716')/(intval('434975768910507825')*sqrt(intval('444853')));
B7(166,168) = intval('-222532799')/(intval('266501331468475389')*sqrt(intval('447545')));
B7(167,168) = intval('32156')/(intval('583117995779394075')*sqrt(intval('450237')));
B7(168,168) = intval('48834266')/(intval('26713136709817834815'));
B7(169,168) = intval('75928')/(intval('1418415017710143915')*sqrt(intval('455621')));
B7(170,168) = intval('-3500556481')/(intval('4344410651863434075')*sqrt(intval('458313')));
B7(171,168) = intval('-15368')/(intval('2956832822700062379')*sqrt(intval('461005')));
B7(172,168) = intval('99569272')/(intval('5030875518007706775')*sqrt(intval('463697')));
B7(165,169) = intval('13247776')/(intval('63459504113759325')*sqrt(intval('447497')));
B7(166,169) = intval('-2144')/(intval('38877296204429397')*sqrt(intval('450205')));
B7(167,169) = intval('-488364223')/(intval('595410410135304225')*sqrt(intval('452913')));
B7(168,169) = intval('75928')/(intval('1418415017710143915')*sqrt(intval('455621')));
B7(169,169) = intval('350040374')/(intval('196070889127275830745'));
B7(170,169) = intval('230492')/(intval('4434941388963687525')*sqrt(intval('461037')));
B7(171,169) = intval('-47787067')*sqrt(intval('5'))/(intval('301821287786216289')*sqrt(intval('92749')));
B7(172,169) = intval('-25916')/(intval('513491134851309825')*sqrt(intval('466453')));
B7(173,169) = intval('2836624')*sqrt(intval('77'))/(intval('3369479922976690185')*sqrt(intval('677')));
B7(166,170) = intval('122107232')/(intval('595473518787300945')*sqrt(intval('452865')));
B7(167,170) = intval('-227812')/(intval('12766631808619218915')*sqrt(intval('50621')));
B7(168,170) = intval('-3500556481')/(intval('4344410651863434075')*sqrt(intval('458313')));
B7(169,170) = intval('230492')/(intval('4434941388963687525')*sqrt(intval('461037')));
B7(170,170) = intval('1075162642')/(intval('616599617200083140715'));
B7(171,170) = intval('233216')/(intval('4621103192864041065')*sqrt(intval('466485')));
B7(172,170) = intval('-2620705411')/(intval('3369135225760091865')*sqrt(intval('469209')));
B7(173,170) = intval('-4816')*sqrt(intval('7'))/(intval('2063249820677356545')*sqrt(intval('7491')));
B7(174,170) = intval('134140048')/(intval('701930351364461505')*sqrt(intval('474657')));
B7(167,171) = intval('875253704')/(intval('4344865697985851115')*sqrt(intval('458265')));
B7(168,171) = intval('-15368')/(intval('2956832822700062379')*sqrt(intval('461005')));
B7(169,171) = intval('-47787067')*sqrt(intval('5'))/(intval('301821287786216289')*sqrt(intval('92749')));
B7(170,171) = intval('233216')/(intval('4621103192864041065')*sqrt(intval('466485')));
B7(171,171) = intval('100792066')/(intval('5917381883751336099'));
B7(172,171) = intval('212')*sqrt(intval('53'))/(intval('229234436551139481')*sqrt(intval('8905')));
B7(173,171) = intval('-96293503')/(intval('377924279048317203')*sqrt(intval('52745')));
B7(174,171) = intval('-15916')*sqrt(intval('5'))/(intval('1671311537336403963')*sqrt(intval('95489')));
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B7(175,171) = intval('320325416')/(intval('1705569753328658217')*sqrt(intval('480185')));
B7(168,172) = intval('99569272')/(intval('503087551800776775')*sqrt(intval('463697')));
B7(169,172) = intval('-25916')/(intval('513491134851309825')*sqrt(intval('466453')));
B7(170,172) = intval('-2620705411')/(intval('3369135225760091865')*sqrt(intval('469209')));
B7(171,172) = intval('212')*sqrt(intval('53'))/(intval('229234436551139481')*sqrt(intval('8905')));
B7(172,172) = intval('208627134')/(intval('125368654706940194165'));
B7(173,172) = intval('4504')*sqrt(intval('53'))/(intval('15040795750354916595')*sqrt(intval('1001')));
B7(174,172) = intval('-427047193')/(intval('568466426368118355')*sqrt(intval('480233')));
B7(175,172) = intval('-80504')/(intval('1740225742510953159')*sqrt(intval('482989')));
B7(176,172) = intval('28095896')*sqrt(intval('5'))/(intval('761009510605226553')*sqrt(intval('97149')));
B7(169,173) = intval('2836624')*sqrt(intval('77'))/(intval('3369479922976690185')*sqrt(intval('677')));
B7(170,173) = intval('-4816')*sqrt(intval('7'))/(intval('2063249820677356545')*sqrt(intval('7491')));
B7(171,173) = intval('-96293503')/(intval('377924279048317203')*sqrt(intval('52745')));
B7(172,173) = intval('4504')*sqrt(intval('53'))/(intval('15040795750354916595')*sqrt(intval('1001')));
B7(173,173) = intval('443453618')/(intval('272723613720320261715'));
B7(174,173) = intval('241484')/(intval('15660994077579659679')*sqrt(intval('53669')));
B7(175,173) = intval('-262195975')/(intval('1065308044003330803')*sqrt(intval('53977')));
B7(176,173) = intval('-6980')*sqrt(intval('5'))/(intval('2329150320337208541')*sqrt(intval('10857')));
B7(177,173) = intval('290368')*sqrt(intval('11'))/(intval('528075567080079499')*sqrt(intval('4963')));
B7(170,174) = intval('134140048')/(intval('701930351364461505')*sqrt(intval('474657')));
B7(171,174) = intval('-15916')*sqrt(intval('5'))/(intval('1671311537336403963')*sqrt(intval('95489')));
B7(172,174) = intval('-427047193')/(intval('568466426368118355')*sqrt(intval('480233')));
B7(173,174) = intval('241484')/(intval('15660994077579659679')*sqrt(intval('53669')));
B7(174,174) = intval('655462954')/(intval('412497362203499187615'));
B7(175,174) = intval('11632')/(intval('258777530642851605')*sqrt(intval('488597')));
B7(176,174) = intval('-574858439')/(intval('792035974549823157')*sqrt(intval('491385')));
B7(177,174) = intval('-9152')/(intval('209487653225021255')*sqrt(intval('494173')));
B7(178,174) = intval('190608704')/(intval('1068537741989496905')*sqrt(intval('496961')));
B7(171,175) = intval('320325416')/(intval('1705569753328658217')*sqrt(intval('480185')));
B7(172,175) = intval('-80504')/(intval('1740225742510953159')*sqrt(intval('482989')));
B7(173,175) = intval('-262195975')/(intval('1065308044003330803')*sqrt(intval('53977')));
B7(174,175) = intval('11632')/(intval('258777530642851605')*sqrt(intval('488597')));
B7(175,175) = intval('2161034')/(intval('13914765542119081055'));
B7(176,175) = intval('13004')/(intval('297673705141915599')*sqrt(intval('494205')));
B7(177,175) = intval('-6861084959')/(intval('9615910905379140705')*sqrt(intval('497009')));
B7(178,175) = intval('-83308')/(intval('1961780419315952235')*sqrt(intval('499813')));
B7(179,175) = intval('1052846504')/(intval('60032164762275853835')*sqrt(intval('502617')));
B7(172,176) = intval('28095896')*sqrt(intval('5'))/(intval('761009510605226553')*sqrt(intval('97149')));
B7(173,176) = intval('-6980')*sqrt(intval('5'))/(intval('2329150320337208541')*sqrt(intval('10857')));
B7(174,176) = intval('-574858439')/(intval('792035974549823157')*sqrt(intval('491385')));
B7(175,176) = intval('13004')/(intval('297673705141915599')*sqrt(intval('494205')));
B7(176,176) = intval('1624928422')/(intval('1070368256029469505633'));
B7(177,176) = intval('249896')/(intval('5884964479305969057')*sqrt(intval('499845')));
B7(178,176) = intval('-4210883329')/(intval('6002643222934441083')*sqrt(intval('502665')));
B7(179,176) = intval('-50552')*sqrt(intval('5'))/(intval('18367287857201442159')*sqrt(intval('11233')));
B7(180,176) = intval('153829736')/(intval('892050761607629481')*sqrt(intval('508305')));
B7(173,177) = intval('290368')*sqrt(intval('11'))/(intval('528075567080079499')*sqrt(intval('4963')));
B7(174,177) = intval('-9152')/(intval('209487653225021255')*sqrt(intval('494173')));
B7(175,177) = intval('-6861084959')/(intval('9615910905379140705')*sqrt(intval('497009')));
B7(176,177) = intval('249896')/(intval('5884964479305969057')*sqrt(intval('499845')));
B7(177,177) = intval('2105357902')/(intval('1418579527812101940285'));
B7(178,177) = intval('84244')/(intval('2040680575529050455')*sqrt(intval('505517')));
B7(179,177) = intval('-615246319')/(intval('891966531876404985')*sqrt(intval('508353')));
B7(180,177) = intval('-12172')/(intval('3032217680499984069')*sqrt(intval('511189')));
B7(181,177) = intval('17478992')/(intval('5153769324941973345')*sqrt(intval('20561')));
B7(174,178) = intval('190608704')/(intval('1068537741989496905')*sqrt(intval('496961')));
B7(175,178) = intval('-83308')/(intval('1961780419315952235')*sqrt(intval('499813')));
B7(176,178) = intval('-4210883329')/(intval('6002643222934441083')*sqrt(intval('502665')));
B7(177,178) = intval('84244')/(intval('2040680575529050455')*sqrt(intval('505517')));
B7(178,178) = intval('307611058')/(intval('211984040382873353595'));
B7(179,178) = intval('5216')/(intval('129944051919147609')*sqrt(intval('511221')));
B7(180,178) = intval('-1468063963')/(intval('2164381005122589825')*sqrt(intval('514073')));
B7(181,178) = intval('-5744')/(intval('735695149919486757')*sqrt(intval('20677')));
B7(182,178) = intval('375318704')/(intval('607646944346615836575')*sqrt(intval('713')));
B7(175,179) = intval('1052846504')/(intval('60032164762275853835')*sqrt(intval('502617')));
B7(176,179) = intval('-50552')*sqrt(intval('5'))/(intval('18367287857201442159')*sqrt(intval('11233')));
B7(177,179) = intval('-615246319')/(intval('891966531876404985')*sqrt(intval('508353')));
B7(178,179) = intval('5216')/(intval('129944051919147609')*sqrt(intval('511221')));
B7(179,179) = intval('6606030842')/(intval('4655438646219184598775'));
B7(180,179) = intval('258452')/(intval('6620846488874657325')*sqrt(intval('516957')));
B7(181,179) = intval('-4503304601')/(intval('33755046337561664115')*sqrt(intval('20793')));
B7(182,179) = intval('-261364')/(intval('185853521196293625675')*sqrt(intval('717')));
B7(183,179) = intval('822251144')/(intval('501303240402596686225')*sqrt(intval('525561')));
B7(176,180) = intval('153829736')/(intval('892050761607629481')*sqrt(intval('508305')));
B7(177,180) = intval('-12172')/(intval('3032217680499984069')*sqrt(intval('511189')));
B7(178,180) = intval('-1468063963')/(intval('2164381005122589825')*sqrt(intval('514073')));
B7(179,180) = intval('258452')/(intval('6620846488874657325')*sqrt(intval('516957')));
B7(180,180) = intval('2251565678')/(intval('1622442622507904951325'));
B7(181,180) = intval('87112')/(intval('11471737264141592295')*sqrt(intval('20909')));
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B7(182,180) = intval('-284202517')/(intval('11696006552891585725')*sqrt(intval('721')));
B7(183,180) = intval('-12584')/(intval('340691497881725025')*sqrt(intval('528493')));
B7(184,180) = intval('5094232')*sqrt(intval('11'))/(intval('347325268355082675')*sqrt(intval('48307')));
B7(177,181) = intval('17478992')/(intval('515376932494197345')*sqrt(intval('20561')));
B7(178,181) = intval('-5744')/(intval('735695149919486757')*sqrt(intval('20677')));
B7(179,181) = intval('-4503304601')/(intval('3375504633375661664115')*sqrt(intval('20793')));
B7(180,181) = intval('87112')/(intval('11471737264141592295')*sqrt(intval('20909')));
B7(181,181) = intval('3836588002')/(intval('282644887736036481903003'));
B7(182,181) = intval('37748')/(intval('137971702521077780565')*sqrt(intval('29')));
B7(183,181) = intval('-74706967')/(intval('578823161382819045')*sqrt(intval('21257')));
B7(184,181) = intval('-17812')/(intval('2478225673380472659')*sqrt(intval('21373')));
B7(185,181) = intval('1202808736')/(intval('37893201686336272815')*sqrt(intval('21489')));
B7(178,182) = intval('375318704')/(intval('60764694344615836575')*sqrt(intval('713')));
B7(179,182) = intval('-261364')/(intval('185853521196293625675')*sqrt(intval('717')));
B7(180,182) = intval('-284202517')/(intval('11696006552891585725')*sqrt(intval('721')));
B7(181,182) = intval('37748')/(intval('137971702521077780565')*sqrt(intval('29')));
B7(182,182) = intval('1008506102')/(intval('7595088852786780051825'));
B7(183,182) = intval('267152')/(intval('200724258440051698275')*sqrt(intval('733')));
B7(184,182) = intval('-59391329')/(intval('2525987753704603825')*sqrt(intval('737')));
B7(185,182) = intval('-270112')/(intval('208552954466280375567')*sqrt(intval('741')));
B7(186,182) = intval('409759904')/(intval('70856368297722493487')*sqrt(intval('745')));
B7(179,183) = intval('822251144')/(intval('5013032040259668225')*sqrt(intval('525561')));
B7(180,183) = intval('-12584')/(intval('340691497881725025')*sqrt(intval('528493')));
B7(181,183) = intval('-74706967')/(intval('578823161382819045')*sqrt(intval('21257')));
B7(182,183) = intval('267152')/(intval('200724258440051698275')*sqrt(intval('733')));
B7(183,183) = intval('801753098')/(intval('617164628647627835775'));
B7(184,183) = intval('90028')/(intval('2574575318870654463')*sqrt(intval('540221')));
B7(185,183) = intval('-4916575673')/(intval('7872234057413673255')*sqrt(intval('543153')));
B7(186,183) = intval('-6068')*sqrt(intval('5'))/(intval('891477727572224793')*sqrt(intval('109217')));
B7(187,183) = intval('19939448')/(intval('129793024631875605')*sqrt(intval('549017')));
B7(180,184) = intval('5094232')*sqrt(intval('11'))/(intval('347325268355082675')*sqrt(intval('48307')));
B7(181,184) = intval('-17812')/(intval('2478225673380472659')*sqrt(intval('21373')));
B7(182,184) = intval('-59391329')/(intval('2525987753704603825')*sqrt(intval('737')));
B7(183,184) = intval('90028')/(intval('2574575318870654463')*sqrt(intval('540221')));
B7(184,184) = intval('189092102')/(intval('148760656333243185105'));
B7(185,184) = intval('273032')/(intval('8022829418881861185')*sqrt(intval('546117')));
B7(186,184) = intval('-18403633')/(intval('29949617988756459')*sqrt(intval('549065')));
B7(187,184) = intval('-13144')/(intval('396775691310197745')*sqrt(intval('552013')));
B7(188,184) = intval('83346104')*sqrt(intval('11'))/(intval('6064999852884451245')*sqrt(intval('50451')));
B7(181,185) = intval('1202808736')/(intval('37893201686336272815')*sqrt(intval('21489')));
B7(182,185) = intval('-270112')/(intval('208552954466280375567')*sqrt(intval('741')));
B7(183,185) = intval('-4916575673')/(intval('7872234057413673255')*sqrt(intval('543153')));
B7(184,185) = intval('273032')/(intval('8022829418881861185')*sqrt(intval('546117')));
B7(185,185) = intval('1076573318')/(intval('865488789526135008465'));
B7(186,185) = intval('39428')/(intval('1190258075087444979')*sqrt(intval('552045')));
B7(187,185) = intval('-25667824877')/(intval('42451327246037912235')*sqrt(intval('555009')));
B7(188,185) = intval('-279004')/(intval('259542706255501477595')*sqrt(intval('61997')));
B7(189,185) = intval('262263760')/(intval('1763064120974525271')*sqrt(intval('560937')));
B7(182,186) = intval('409759904')/(intval('70856368297722493487')*sqrt(intval('745')));
B7(183,186) = intval('-6068')*sqrt(intval('5'))/(intval('891477727572224793')*sqrt(intval('109217')));
B7(184,186) = intval('-18403633')/(intval('29949617988756459')*sqrt(intval('549065')));
B7(185,186) = intval('39428')/(intval('1190258075087444979')*sqrt(intval('552045')));
B7(186,186) = intval('987188462')/(intval('810905822870289300693'));
B7(187,186) = intval('92992')/(intval('2883642469098332643')*sqrt(intval('558005')));
B7(188,186) = intval('-5244714193')/(intval('8814566332674557091')*sqrt(intval('560985')));
B7(189,186) = intval('-18800')*sqrt(intval('5'))/(intval('2993659212124529487')*sqrt(intval('112793')));
B7(190,186) = intval('1417520')*sqrt(intval('5'))/(intval('48413767087061651')*sqrt(intval('113389')));
B7(183,187) = intval('19939448')/(intval('129793024631875605')*sqrt(intval('549017')));
B7(184,187) = intval('-13144')/(intval('396775691310197745')*sqrt(intval('552013')));
B7(185,187) = intval('-25667824877')/(intval('42451327246037912235')*sqrt(intval('555009')));
B7(186,187) = intval('92992')/(intval('2883642469098332643')*sqrt(intval('558005')));
B7(187,187) = intval('2622263614')/(intval('2200640629343763422205'));
B7(188,187) = intval('281972')/(intval('8980468074648324045')*sqrt(intval('563997')));
B7(189,187) = intval('-357177239')/(intval('609961823307861849')*sqrt(intval('566993')));
B7(190,187) = intval('-1508')/(intval('493186973129880037')*sqrt(intval('569989')));
B7(191,187) = intval('21718216')/(intval('4521870922231131279')*sqrt(intval('63665')));
B7(184,188) = intval('83346104')*sqrt(intval('11'))/(intval('6064999852884451245')*sqrt(intval('50451')));
B7(185,188) = intval('-279004')/(intval('259542706255501477595')*sqrt(intval('61997')));
B7(186,188) = intval('-5244714193')/(intval('8814566332674557091')*sqrt(intval('560985')));
B7(187,188) = intval('281972')/(intval('8980468074648324045')*sqrt(intval('563997')));
B7(188,188) = intval('8036204426')/(intval('6889324384119412616535'));
B7(189,188) = intval('5816')/(intval('190218581920361313')*sqrt(intval('570021')));
B7(190,188) = intval('-781773911')/(intval('1356447644596671165')*sqrt(intval('573033')));
B7(191,188) = intval('-57608')*sqrt(intval('5'))/(intval('2901744021739773535103')*sqrt(intval('12801')));
B7(192,188) = intval('1397397256')/(intval('985279261709244400015')*sqrt(intval('579057')));
B7(185,189) = intval('262263760')/(intval('1763064120974525271')*sqrt(intval('560937')));
B7(186,189) = intval('-18800')*sqrt(intval('5'))/(intval('2993659212124529487')*sqrt(intval('112793')));
B7(187,189) = intval('-357177239')/(intval('609961823307861849')*sqrt(intval('566993')));
B7(188,189) = intval('5816')/(intval('190218581920361313')*sqrt(intval('570021')));
B7(189,189) = intval('390873314')/(intval('342267398998751328795'));
B7(190,189) = intval('96004')/(intval('3223980928095622695')*sqrt(intval('576077')));
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B7(191,189) = intval('-1863003299')/(intval('9851975953368900351')*sqrt(intval('64345')));
B7(192,189) = intval('-97028')/(intval('3345003570135742515')*sqrt(intval('582133')));
B7(193,189) = intval('2378350336')/(intval('17035150632015801285')*sqrt(intval('585161')));
B7(186,190) = intval('1417520')*sqrt(intval('5'))/(intval('48413767087061651')*sqrt(intval('113389')));
B7(187,190) = intval('-1508')/(intval('49318697312988037')*sqrt(intval('569989')));
B7(188,190) = intval('-781773911')/(intval('1356447644596671165')*sqrt(intval('573033')));
B7(189,190) = intval('96004')/(intval('3223980280956622695')*sqrt(intval('576077')));
B7(190,190) = intval('931469482')/(intval('8330162847825517648955'));
B7(191,190) = intval('291056')/(intval('30103377340864654827')*sqrt(intval('64685')));
B7(192,190) = intval('-3170808653')/(intval('5677917791752461255')*sqrt(intval('585209')));
B7(193,190) = intval('-98048')/(intval('3469708735824506175')*sqrt(intval('588253')));
B7(194,190) = intval('208155904')/(intval('1514446557194999025')*sqrt(intval('591297')));
B7(187,191) = intval('21718216')/(intval('4521870922311131279')*sqrt(intval('63665')));
B7(188,191) = intval('-57608')*sqrt(intval('5'))/(intval('29017440217397735103')*sqrt(intval('12801')));
B7(189,191) = intval('-1863003299')/(intval('9851975953368900351')*sqrt(intval('64345')));
B7(190,191) = intval('291056')/(intval('30103377340864654827')*sqrt(intval('64685')));
B7(191,191) = intval('42804454018')/(intval('39091395211690189395027'));
B7(192,191) = intval('294116')/(intval('31225679996557381335')*sqrt(intval('65365')));
B7(193,191) = intval('-55502609')/(intval('302864725643991693')*sqrt(intval('65705')));
B7(194,191) = intval('-8492')/(intval('925297151415611169')*sqrt(intval('66045')));
B7(195,191) = intval('6440024')*sqrt(intval('11'))/(intval('1570458467998973085')*sqrt(intval('6035')));
B7(188,192) = intval('1397397256')/(intval('9852792617092440015')*sqrt(intval('579057')));
B7(189,192) = intval('-97028')/(intval('3345003570135742515')*sqrt(intval('582133')));
B7(190,192) = intval('-3170808653')/(intval('5677917791752461255')*sqrt(intval('585209')));
B7(191,192) = intval('294116')/(intval('31225679996557381335')*sqrt(intval('65365')));
B7(192,192) = intval('1321446')/(intval('1232577526685149185'));
B7(193,192) = intval('14152')/(intval('514026300223943325')*sqrt(intval('594437')));
B7(194,192) = intval('-5949984641')/(intval('10992326158772967475')*sqrt(intval('597513')));
B7(195,192) = intval('-33368')/(intval('1243705080638978685')*sqrt(intval('600589')));
B7(196,192) = intval('168741976')/(intval('1266406346778412455')*sqrt(intval('603665')));
B7(189,193) = intval('2378350336')/(intval('17035150632015801285')*sqrt(intval('585161')));
B7(190,193) = intval('-98048')/(intval('3469708735824506175')*sqrt(intval('588253')));
B7(191,193) = intval('-55502609')/(intval('302864725643991693')*sqrt(intval('65705')));
B7(192,193) = intval('14152')/(intval('514026300223943325')*sqrt(intval('594437')));
B7(193,193) = intval('118995710')/(intval('11329120793585243949 3'));
B7(194,193) = intval('7324')/(intval('272993886940145085')*sqrt(intval('600621')));
B7(195,193) = intval('-49382987')/(intval('92656511514899325')*sqrt(intval('603713')));
B7(196,193) = intval('-20228')/(intval('773605532922078087')*sqrt(intval('606805')));
B7(197,193) = intval('221456144')/(intval('1687827524579853525')*sqrt(intval('609897')));
B7(190,194) = intval('208155904')/(intval('1514446557194999025')*sqrt(intval('591297')));
B7(191,194) = intval('-8492')/(intval('925297151415611169')*sqrt(intval('66045')));
B7(192,194) = intval('-5949984641')/(intval('10992326158772967475')*sqrt(intval('597513')));
B7(193,194) = intval('7324')/(intval('272993886940145085')*sqrt(intval('600621')));
B7(194,194) = intval('95903782')/(intval('93210955577483075145'));
B7(195,194) = intval('15968')/(intval('610709004323082675')*sqrt(intval('606837')));
B7(196,194) = intval('-30244693')/(intval('57628599510357711')*sqrt(intval('609945')));
B7(197,194) = intval('-6256')*sqrt(intval('7'))/(intval('51547164939871 20225')*sqrt(intval('9731')));
B7(198,194) = intval('161448592')*sqrt(intval('7'))/(intval('8746389922055565285')*sqrt(intval('88023')));
B7(191,195) = intval('6440024')*sqrt(intval('11'))/(intval('1570458467998973085')*sqrt(intval('6035')));
B7(192,195) = intval('-33368')/(intval('1243705080638978685')*sqrt(intval('600589')));
B7(193,195) = intval('-49382987')/(intval('92656511514899325')*sqrt(intval('603713')));
B7(194,195) = intval('15968')/(intval('610709004323082675')*sqrt(intval('606837')));
B7(195,195) = intval('32631362')/(intval('32373280348229900835'));
B7(196,195) = intval('356')/(intval('13968692258321745')*sqrt(intval('613085')));
B7(197,195) = intval('-4520120411')/(intval('8745708616335819765')*sqrt(intval('616209')));
B7(198,195) = intval('-103228')/(intval('4154815187045601435')*sqrt(intval('619333')));
B7(199,195) = intval('16310024')*sqrt(intval('11'))/(intval('1409828174294891715')*sqrt(intval('56587')));
B7(192,196) = intval('168741976')/(intval('1266406346778412455')*sqrt(intval('603665')));
B7(193,196) = intval('-20228')/(intval('773605532922078087')*sqrt(intval('606805')));
B7(194,196) = intval('-30244693')/(intval('57628599510357711')*sqrt(intval('609945')));
B7(195,196) = intval('356')/(intval('13968692258321745')*sqrt(intval('613085')));
B7(196,196) = intval('2259986858')/(intval('228840100247742214 9287'));
B7(197,196) = intval('309656')/(intval('12463015575482204081')*sqrt(intval('619365')));
B7(198,196) = intval('-2152715659')/(intval('4229158396577097753')*sqrt(intval('622505')));
B7(199,196) = intval('-6952')*sqrt(intval('5'))/(intval('14349716067702698701')*sqrt(intval('125129')));
B7(200,196) = intval('549228856')/(intval('13145659431517826031')*sqrt(intval('69865')));
B7(193,197) = intval('221456144')/(intval('1687827524579853525')*sqrt(intval('609897')));
B7(194,197) = intval('-6256')*sqrt(intval('7'))/(intval('51547164939871 20225')*sqrt(intval('9731')));
B7(195,197) = intval('-4520120411')/(intval('8745708616335819765')*sqrt(intval('616209')));
B7(196,197) = intval('309656')/(intval('12463015575482204081')*sqrt(intval('619365')));
B7(197,197) = intval('745146866')/(intval('7700123567303966676435'));
B7(198,197) = intval('312812')/(intval('12914083940882578965')*sqrt(intval('625677')));
B7(199,197) = intval('-506932109')/(intval('1011127384517393115')*sqrt(intval('628833')));
B7(200,197) = intval('-316012')/(intval('40136747237676100011')*sqrt(intval('70221')));
B7(194,198) = intval('161448592')*sqrt(intval('7'))/(intval('8746389922055565285')*sqrt(intval('88023')));
B7(195,198) = intval('-103228')/(intval('4154815187045601435')*sqrt(intval('619333')));
B7(196,198) = intval('-2152715659')/(intval('4229158396577097753')*sqrt(intval('622505')));
B7(197,198) = intval('312812')/(intval('12914083940882578965')*sqrt(intval('625677')));
B7(198,198) = intval('3294953918')/(intval('34744823310832014 46365'));
B7(199,198) = intval('105328')/(intval('4445941278498159 6211')*sqrt(intval('632021')));
B7(200,198) = intval('-64039049')/(intval('3890252928510 46929')*sqrt(intval('70577')));
B7(195,199) = intval('16310024')*sqrt(intval('11'))/(intval('1409828174294891715')*sqrt(intval('56587')));
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B7(196,199) = intval('-6952')*sqrt(intval('5'))/(intval('14349716060702698701')*sqrt(intval('125129')));
B7(197,199) = intval('-506932109')/(intval('1011127384517393115')*sqrt(intval('628833')));
B7(198,199) = intval('105328')/(intval('4459412784981596211')*sqrt(intval('632021')));
B7(199,199) = intval('4104938')/(intval('4416600407545658255'));
B7(200,199) = intval('45596')/(intval('5938551058516020945')*sqrt(intval('70933')));
B7(196,200) = intval('549228856')/(intval('13145659431517826031')*sqrt(intval('69865')));
B7(197,200) = intval('-316012')/(intval('40136747237676100011')*sqrt(intval('70221')));
B7(198,200) = intval('-64039049')/(intval('389025292851046929')*sqrt(intval('70577')));
B7(199,200) = intval('45596')/(intval('5938551058516020945')*sqrt(intval('70933')));
B7(200,200) = intval('10289852522')/(intval('11295036524048821158615'));
```

"function generate_B10.m"

```
function B10 = generate_B10
B10 = intval(zeros(200,200));
B10(1,1) = intval('11')/(intval('21'));
B10(2,1) = intval('4')/(intval('7')*sqrt(intval('5')));
B10(1,2) = intval('4')/(intval('7')*sqrt(intval('5')));
B10(2,2) = intval('39')/(intval('77'));
B10(3,2) = intval('10')/(intval('11')*sqrt(intval('13')));
B10(2,3) = intval('10')/(intval('11')*sqrt(intval('13')));
B10(3,3) = intval('83')/(intval('165'));
B10(4,3) = intval('56')/(intval('15')*sqrt(intval('221')));
B10(3,4) = intval('56')/(intval('15')*sqrt(intval('221')));
B10(4,4) = intval('143')/(intval('285'));
B10(5,4) = intval('30')*sqrt(intval('3'))/(intval('19')*sqrt(intval('119')));
B10(4,5) = intval('30')*sqrt(intval('3'))/(intval('19')*sqrt(intval('119')));
B10(5,5) = intval('219')/(intval('437'));
B10(6,5) = intval('44')*sqrt(intval('3'))/(intval('115')*sqrt(intval('7')));
B10(5,6) = intval('44')*sqrt(intval('3'))/(intval('115')*sqrt(intval('7')));
B10(6,6) = intval('311')/(intval('621'));
B10(7,6) = intval('182')/(intval('135')*sqrt(intval('29')));
B10(6,7) = intval('182')/(intval('135')*sqrt(intval('29')));
B10(7,7) = intval('419')/(intval('837'));
B10(8,7) = intval('80')*sqrt(intval('3'))/(intval('31')*sqrt(intval('319')));
B10(7,8) = intval('80')*sqrt(intval('3'))/(intval('31')*sqrt(intval('319')));
B10(8,8) = intval('543')/(intval('1085'));
B10(9,8) = intval('102')*sqrt(intval('3'))/(intval('35')*sqrt(intval('407')));
B10(8,9) = intval('102')*sqrt(intval('3'))/(intval('35')*sqrt(intval('407')));
B10(9,9) = intval('683')/(intval('1365'));
B10(10,9) = intval('380')/(intval('39')*sqrt(intval('1517')));
B10(9,10) = intval('380')/(intval('39')*sqrt(intval('1517')));
B10(10,10) = intval('839')/(intval('1677'));
B10(11,10) = intval('154')/(intval('43')*sqrt(intval('205')));
B10(10,11) = intval('154')/(intval('43')*sqrt(intval('205')));
B10(11,11) = intval('1011')/(intval('2021'));
B10(12,11) = intval('184')/(intval('329')*sqrt(intval('5')));
B10(11,12) = intval('184')/(intval('329')*sqrt(intval('5')));
B10(12,12) = intval('1199')/(intval('2397'));
B10(13,12) = intval('650')/(intval('357')*sqrt(intval('53')));
B10(12,13) = intval('650')/(intval('357')*sqrt(intval('53')));
B10(13,13) = intval('1403')/(intval('2805'));
B10(14,13) = intval('252')*sqrt(intval('3'))/(intval('55')*sqrt(intval('1007')));
B10(13,14) = intval('252')*sqrt(intval('3'))/(intval('55')*sqrt(intval('1007')));
B10(14,14) = intval('1623')/(intval('3245'));
B10(15,14) = intval('290')*sqrt(intval('3'))/(intval('59')*sqrt(intval('1159')));
B10(14,15) = intval('290')*sqrt(intval('3'))/(intval('59')*sqrt(intval('1159')));
B10(15,15) = intval('1859')/(intval('3717'));
B10(16,15) = intval('992')/(intval('63')*sqrt(intval('3965')));
B10(15,16) = intval('992')/(intval('63')*sqrt(intval('3965')));
B10(16,16) = intval('2111')/(intval('4221'));
B10(17,16) = intval('374')*sqrt(intval('3'))/(intval('67')*sqrt(intval('1495')));
B10(16,17) = intval('374')*sqrt(intval('3'))/(intval('67')*sqrt(intval('1495')));
B10(17,17) = intval('2379')/(intval('4757'));
B10(18,17) = intval('420')*sqrt(intval('3'))/(intval('71')*sqrt(intval('1679')));
B10(17,18) = intval('420')*sqrt(intval('3'))/(intval('71')*sqrt(intval('1679')));
B10(18,18) = intval('2663')/(intval('5325'));
B10(19,18) = intval('1406')/(intval('75')*sqrt(intval('5621')));
B10(18,19) = intval('1406')/(intval('75')*sqrt(intval('5621')));
B10(19,19) = intval('2963')/(intval('5925'));
B10(20,19) = intval('520')/(intval('237')*sqrt(intval('77')));
B10(19,20) = intval('520')/(intval('237')*sqrt(intval('77')));
B10(20,20) = intval('3279')/(intval('6557'));
B10(21,20) = intval('574')/(intval('249')*sqrt(intval('85')));
B10(20,21) = intval('574')/(intval('249')*sqrt(intval('85')));
B10(21,21) = intval('3611')/(intval('7221'));
B10(22,21) = intval('1892')/(intval('87')*sqrt(intval('7565')));
B10(21,22) = intval('1892')/(intval('87')*sqrt(intval('7565')));
B10(22,22) = intval('3959')/(intval('7917'));
B10(23,22) = intval('690')*sqrt(intval('3'))/(intval('91')*sqrt(intval('2759')));
B10(22,23) = intval('690')*sqrt(intval('3'))/(intval('91')*sqrt(intval('2759')));
B10(23,23) = intval('4323')/(intval('8645'));
B10(24,23) = intval('752')*sqrt(intval('3'))/(intval('95')*sqrt(intval('3007')));
B10(23,24) = intval('752')*sqrt(intval('3'))/(intval('95')*sqrt(intval('3007')));
B10(24,24) = intval('4703')/(intval('9405'));
B10(25,24) = intval('2450')/(intval('99')*sqrt(intval('9797')));
B10(24,25) = intval('2450')/(intval('99')*sqrt(intval('9797')));
B10(25,25) = intval('5099')/(intval('10197'));
B10(26,25) = intval('884')*sqrt(intval('3'))/(intval('103')*sqrt(intval('3535')));
B10(25,26) = intval('884')*sqrt(intval('3'))/(intval('103')*sqrt(intval('3535')));
B10(26,26) = intval('5511')/(intval('11021'));
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B10(27,26) = intval('954')*sqrt(intval('3'))/(intval('107')*sqrt(intval('3815')));
B10(26,27) = intval('954')*sqrt(intval('3'))/(intval('107')*sqrt(intval('3815')));
B10(27,27) = intval('5939')/(intval('11877'));
B10(28,27) = intval('3080')/(intval('111')*sqrt(intval('12317')));
B10(27,28) = intval('3080')/(intval('111')*sqrt(intval('12317')));
B10(28,28) = intval('6383')/(intval('12765'));
B10(29,28) = intval('1102')/(intval('115')*sqrt(intval('1469')));
B10(28,29) = intval('1102')/(intval('115')*sqrt(intval('1469')));
B10(29,29) = intval('6843')/(intval('13685'));
B10(30,29) = intval('1180')/(intval('1309')*sqrt(intval('13')));
B10(29,30) = intval('1180')/(intval('1309')*sqrt(intval('13')));
B10(30,30) = intval('7319')/(intval('14637'));
B10(31,30) = intval('3782')/(intval('6765')*sqrt(intval('5')));
B10(30,31) = intval('3782')/(intval('6765')*sqrt(intval('5')));
B10(31,31) = intval('7811')/(intval('15621'));
B10(32,31) = intval('1344')*sqrt(intval('3'))/(intval('635')*sqrt(intval('215')));
B10(31,32) = intval('1344')*sqrt(intval('3'))/(intval('635')*sqrt(intval('215')));
B10(32,32) = intval('8319')/(intval('16637'));
B10(33,32) = intval('1430')*sqrt(intval('3'))/(intval('131')*sqrt(intval('5719')));
B10(32,33) = intval('1430')*sqrt(intval('3'))/(intval('131')*sqrt(intval('5719')));
B10(33,33) = intval('8843')/(intval('17685'));
B10(34,33) = intval('4556')/(intval('135')*sqrt(intval('18221')));
B10(33,34) = intval('4556')/(intval('135')*sqrt(intval('18221')));
B10(34,34) = intval('9383')/(intval('18765'));
B10(35,34) = intval('1610')*sqrt(intval('3'))/(intval('139')*sqrt(intval('6439')));
B10(34,35) = intval('1610')*sqrt(intval('3'))/(intval('139')*sqrt(intval('6439')));
B10(35,35) = intval('9939')/(intval('19877'));
B10(36,35) = intval('1704')*sqrt(intval('3'))/(intval('143')*sqrt(intval('6815')));
B10(35,36) = intval('1704')*sqrt(intval('3'))/(intval('143')*sqrt(intval('6815')));
B10(36,36) = intval('10511')/(intval('21021'));
B10(37,36) = intval('5402')/(intval('147')*sqrt(intval('21605')));
B10(36,37) = intval('5402')/(intval('147')*sqrt(intval('21605')));
B10(37,37) = intval('11099')/(intval('22197'));
B10(38,37) = intval('1900')/(intval('151')*sqrt(intval('2533')));
B10(37,38) = intval('1900')/(intval('151')*sqrt(intval('2533')));
B10(38,38) = intval('11703')/(intval('23405'));
B10(39,38) = intval('2002')/(intval('155')*sqrt(intval('2669')));
B10(38,39) = intval('2002')/(intval('155')*sqrt(intval('2669')));
B10(39,39) = intval('12323')/(intval('24645'));
B10(40,39) = intval('6320')/(intval('159')*sqrt(intval('25277')));
B10(39,40) = intval('6320')/(intval('159')*sqrt(intval('25277')));
B10(40,40) = intval('12959')/(intval('25917'));
B10(41,40) = intval('2214')*sqrt(intval('3'))/(intval('163')*sqrt(intval('8855')));
B10(40,41) = intval('2214')*sqrt(intval('3'))/(intval('163')*sqrt(intval('8855')));
B10(41,41) = intval('13611')/(intval('27221'));
B10(42,41) = intval('2324')*sqrt(intval('3'))/(intval('2171')*sqrt(intval('55')));
B10(41,42) = intval('2324')*sqrt(intval('3'))/(intval('2171')*sqrt(intval('55')));
B10(42,42) = intval('14279')/(intval('28557'));
B10(43,42) = intval('7310')/(intval('2223')*sqrt(intval('173')));
B10(42,43) = intval('7310')/(intval('2223')*sqrt(intval('173')));
B10(43,43) = intval('14963')/(intval('29925'));
B10(44,43) = intval('2552')*sqrt(intval('3'))/(intval('175')*sqrt(intval('10207')));
B10(43,44) = intval('2552')*sqrt(intval('3'))/(intval('175')*sqrt(intval('10207')));
B10(44,44) = intval('15663')/(intval('31325'));
B10(45,44) = intval('2670')*sqrt(intval('3'))/(intval('179')*sqrt(intval('10679')));
B10(44,45) = intval('2670')*sqrt(intval('3'))/(intval('179')*sqrt(intval('10679')));
B10(45,45) = intval('16379')/(intval('32757'));
B10(46,45) = intval('8372')/(intval('183')*sqrt(intval('33485')));
B10(45,46) = intval('8372')/(intval('183')*sqrt(intval('33485')));
B10(46,46) = intval('17111')/(intval('34221'));
B10(47,46) = intval('2914')/(intval('187')*sqrt(intval('3885')));
B10(46,47) = intval('2914')/(intval('187')*sqrt(intval('3885')));
B10(47,47) = intval('17859')/(intval('35717'));
B10(48,47) = intval('3040')/(intval('191')*sqrt(intval('4053')));
B10(47,48) = intval('3040')/(intval('191')*sqrt(intval('4053')));
B10(48,48) = intval('18623')/(intval('37245'));
B10(49,48) = intval('9506')/(intval('195')*sqrt(intval('38021')));
B10(48,49) = intval('9506')/(intval('195')*sqrt(intval('38021')));
B10(49,49) = intval('19403')/(intval('38805'));
B10(50,49) = intval('3300')*sqrt(intval('3'))/(intval('199')*sqrt(intval('13199')));
B10(49,50) = intval('3300')*sqrt(intval('3'))/(intval('199')*sqrt(intval('13199')));
B10(50,50) = intval('20199')/(intval('40397'));
B10(51,50) = intval('3434')*sqrt(intval('3'))/(intval('203')*sqrt(intval('13735')));
B10(50,51) = intval('3434')*sqrt(intval('3'))/(intval('203')*sqrt(intval('13735')));
B10(51,51) = intval('21011')/(intval('42021'));
B10(52,51) = intval('10712')/(intval('207')*sqrt(intval('42845')));
B10(51,52) = intval('10712')/(intval('207')*sqrt(intval('42845')));
B10(52,52) = intval('21839')/(intval('43677'));
B10(53,52) = intval('3710')*sqrt(intval('3'))/(intval('211')*sqrt(intval('14839')));
B10(52,53) = intval('3710')*sqrt(intval('3'))/(intval('211')*sqrt(intval('14839')));
B10(53,53) = intval('22683')/(intval('45365'));
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B10(54,53) = intval('3852')*sqrt(intval('3'))/(intval('215')*sqrt(intval('15407')));
B10(53,54) = intval('3852')*sqrt(intval('3'))/(intval('215')*sqrt(intval('15407')));
B10(54,54) = intval('23543')/(intval('47085'));
B10(55,54) = intval('11990')/(intval('219')*sqrt(intval('47957')));
B10(54,55) = intval('11990')/(intval('219')*sqrt(intval('47957')));
B10(55,55) = intval('24419')/(intval('48837'));
B10(56,55) = intval('4144')/(intval('1115')*sqrt(intval('221')));
B10(55,56) = intval('4144')/(intval('1115')*sqrt(intval('221')));
B10(56,56) = intval('25311')/(intval('50621'));
B10(57,56) = intval('4294')/(intval('1135')*sqrt(intval('229')));
B10(56,57) = intval('4294')/(intval('1135')*sqrt(intval('229')));
B10(57,57) = intval('26219')/(intval('52437'));
B10(58,57) = intval('13340')/(intval('231')*sqrt(intval('53357')));
B10(57,58) = intval('13340')/(intval('231')*sqrt(intval('53357')));
B10(58,58) = intval('27143')/(intval('54285'));
B10(59,58) = intval('4602')*sqrt(intval('3'))/(intval('235')*sqrt(intval('18407')));
B10(58,59) = intval('4602')*sqrt(intval('3'))/(intval('235')*sqrt(intval('18407')));
B10(59,59) = intval('28083')/(intval('56165'));
B10(60,59) = intval('4760')*sqrt(intval('3'))/(intval('239')*sqrt(intval('19039')));
B10(59,60) = intval('4760')*sqrt(intval('3'))/(intval('239')*sqrt(intval('19039')));
B10(60,60) = intval('29039')/(intval('58077'));
B10(61,60) = intval('14762')/(intval('1701')*sqrt(intval('1205')));
B10(60,61) = intval('14762')/(intval('1701')*sqrt(intval('1205')));
B10(61,61) = intval('30011')/(intval('60021'));
B10(62,61) = intval('5084')*sqrt(intval('3'))/(intval('1729')*sqrt(intval('415')));
B10(61,62) = intval('5084')*sqrt(intval('3'))/(intval('1729')*sqrt(intval('415')));
B10(62,62) = intval('30999')/(intval('61997'));
B10(63,62) = intval('5250')*sqrt(intval('3'))/(intval('251')*sqrt(intval('20999')));
B10(62,63) = intval('5250')*sqrt(intval('3'))/(intval('251')*sqrt(intval('20999')));
B10(63,63) = intval('32003')/(intval('64005'));
B10(64,63) = intval('16256')/(intval('255')*sqrt(intval('65021')));
B10(63,64) = intval('16256')/(intval('255')*sqrt(intval('65021')));
B10(64,64) = intval('33023')/(intval('66045'));
B10(65,64) = intval('5590')/(intval('259')*sqrt(intval('7453')));
B10(64,65) = intval('5590')/(intval('259')*sqrt(intval('7453')));
B10(65,65) = intval('34059')/(intval('68117'));
B10(66,65) = intval('5764')/(intval('263')*sqrt(intval('7685')));
B10(65,66) = intval('5764')/(intval('263')*sqrt(intval('7685')));
B10(66,66) = intval('35111')/(intval('70221'));
B10(67,66) = intval('17822')/(intval('267')*sqrt(intval('71285')));
B10(66,67) = intval('17822')/(intval('267')*sqrt(intval('71285')));
B10(67,67) = intval('36179')/(intval('72357'));
B10(68,67) = intval('6120')*sqrt(intval('3'))/(intval('271')*sqrt(intval('24479')));
B10(67,68) = intval('6120')*sqrt(intval('3'))/(intval('271')*sqrt(intval('24479')));
B10(68,68) = intval('37263')/(intval('74525'));
B10(69,68) = intval('6302')*sqrt(intval('3'))/(intval('275')*sqrt(intval('25207')));
B10(68,69) = intval('6302')*sqrt(intval('3'))/(intval('275')*sqrt(intval('25207')));
B10(69,69) = intval('38363')/(intval('76725'));
B10(70,69) = intval('19460')/(intval('279')*sqrt(intval('77837')));
B10(69,70) = intval('19460')/(intval('279')*sqrt(intval('77837')));
B10(70,70) = intval('39479')/(intval('78957'));
B10(71,70) = intval('6674')*sqrt(intval('3'))/(intval('283')*sqrt(intval('26695')));
B10(70,71) = intval('6674')*sqrt(intval('3'))/(intval('283')*sqrt(intval('26695')));
B10(71,71) = intval('40611')/(intval('81221'));
B10(72,71) = intval('6864')*sqrt(intval('3'))/(intval('4879')*sqrt(intval('95')));
B10(71,72) = intval('6864')*sqrt(intval('3'))/(intval('4879')*sqrt(intval('95')));
B10(72,72) = intval('41759')/(intval('83517'));
B10(73,72) = intval('21170')/(intval('4947')*sqrt(intval('293')));
B10(72,73) = intval('21170')/(intval('4947')*sqrt(intval('293')));
B10(73,73) = intval('42923')/(intval('85845'));
B10(74,73) = intval('7252')/(intval('295')*sqrt(intval('9669')));
B10(73,74) = intval('7252')/(intval('295')*sqrt(intval('9669')));
B10(74,74) = intval('44103')/(intval('88205'));
B10(75,74) = intval('7450')/(intval('299')*sqrt(intval('9933')));
B10(74,75) = intval('7450')/(intval('299')*sqrt(intval('9933')));
B10(75,75) = intval('45299')/(intval('90597'));
B10(76,75) = intval('22952')/(intval('303')*sqrt(intval('91805')));
B10(75,76) = intval('22952')/(intval('303')*sqrt(intval('91805')));
B10(76,76) = intval('46511')/(intval('93021'));
B10(77,76) = intval('7854')*sqrt(intval('3'))/(intval('307')*sqrt(intval('31415')));
B10(76,77) = intval('7854')*sqrt(intval('3'))/(intval('307')*sqrt(intval('31415')));
B10(77,77) = intval('47739')/(intval('95477'));
B10(78,77) = intval('8060')*sqrt(intval('3'))/(intval('311')*sqrt(intval('32239')));
B10(77,78) = intval('8060')*sqrt(intval('3'))/(intval('311')*sqrt(intval('32239')));
B10(78,78) = intval('48983')/(intval('97965'));
B10(79,78) = intval('24806')/(intval('315')*sqrt(intval('99221')));
B10(78,79) = intval('24806')/(intval('315')*sqrt(intval('99221')));
B10(79,79) = intval('50243')/(intval('100485'));
B10(80,79) = intval('8480')*sqrt(intval('3'))/(intval('319')*sqrt(intval('33919')));
B10(79,80) = intval('8480')*sqrt(intval('3'))/(intval('319')*sqrt(intval('33919')));
B10(80,80) = intval('51519')/(intval('103037'));
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B10(81,80) = intval('8694')*sqrt(intval('3'))/(intval('1615')*sqrt(intval('1391')));
B10(80,81) = intval('8694')*sqrt(intval('3'))/(intval('1615')*sqrt(intval('1391')));
B10(81,81) = intval('52811')/(intval('105621'));
B10(82,81) = intval('26732')/(intval('1635')*sqrt(intval('4277')));
B10(81,82) = intval('26732')/(intval('1635')*sqrt(intval('4277')));
B10(82,82) = intval('54119')/(intval('108237'));
B10(83,82) = intval('9130')/(intval('331')*sqrt(intval('12173')));
B10(82,83) = intval('9130')/(intval('331')*sqrt(intval('12173')));
B10(83,83) = intval('55443')/(intval('110885'));
B10(84,83) = intval('9352')/(intval('335')*sqrt(intval('12469')));
B10(83,84) = intval('9352')/(intval('335')*sqrt(intval('12469')));
B10(84,84) = intval('56783')/(intval('113565'));
B10(85,84) = intval('28730')/(intval('339')*sqrt(intval('114917')));
B10(84,85) = intval('28730')/(intval('339')*sqrt(intval('114917')));
B10(85,85) = intval('58139')/(intval('116277'));
B10(86,85) = intval('9804')*sqrt(intval('3'))/(intval('343')*sqrt(intval('39215')));
B10(85,86) = intval('9804')*sqrt(intval('3'))/(intval('343')*sqrt(intval('39215')));
B10(86,86) = intval('59511')/(intval('119021'));
B10(87,86) = intval('10034')*sqrt(intval('3'))/(intval('347')*sqrt(intval('40135')));
B10(86,87) = intval('10034')*sqrt(intval('3'))/(intval('347')*sqrt(intval('40135')));
B10(87,87) = intval('60899')/(intval('121797'));
B10(88,87) = intval('30800')/(intval('351')*sqrt(intval('123197')));
B10(87,88) = intval('30800')/(intval('351')*sqrt(intval('123197')));
B10(88,88) = intval('62303')/(intval('124605'));
B10(89,88) = intval('10502')*sqrt(intval('3'))/(intval('355')*sqrt(intval('42007')));
B10(88,89) = intval('10502')*sqrt(intval('3'))/(intval('355')*sqrt(intval('42007')));
B10(89,89) = intval('63723')/(intval('127445'));
B10(90,89) = intval('10740')*sqrt(intval('3'))/(intval('6821')*sqrt(intval('119')));
B10(89,90) = intval('10740')*sqrt(intval('3'))/(intval('6821')*sqrt(intval('119')));
B10(90,90) = intval('65159')/(intval('130317'));
B10(91,90) = intval('32942')/(intval('6897')*sqrt(intval('365')));
B10(90,91) = intval('32942')/(intval('6897')*sqrt(intval('365')));
B10(91,91) = intval('66611')/(intval('133221'));
B10(92,91) = intval('11224')/(intval('367')*sqrt(intval('14965')));
B10(91,92) = intval('11224')/(intval('367')*sqrt(intval('14965')));
B10(92,92) = intval('68079')/(intval('136157'));
B10(93,92) = intval('11470')/(intval('371')*sqrt(intval('15293')));
B10(92,93) = intval('11470')/(intval('371')*sqrt(intval('15293')));
B10(93,93) = intval('69563')/(intval('139125'));
B10(94,93) = intval('35156')/(intval('375')*sqrt(intval('140621')));
B10(93,94) = intval('35156')/(intval('375')*sqrt(intval('140621')));
B10(94,94) = intval('71063')/(intval('142125'));
B10(95,94) = intval('11970')*sqrt(intval('3'))/(intval('379')*sqrt(intval('47879')));
B10(94,95) = intval('11970')*sqrt(intval('3'))/(intval('379')*sqrt(intval('47879')));
B10(95,95) = intval('72579')/(intval('145157'));
B10(96,95) = intval('12224')*sqrt(intval('3'))/(intval('383')*sqrt(intval('48895')));
B10(95,96) = intval('12224')*sqrt(intval('3'))/(intval('383')*sqrt(intval('48895')));
B10(96,96) = intval('74111')/(intval('148221'));
B10(97,96) = intval('37442')/(intval('387')*sqrt(intval('149765')));
B10(96,97) = intval('37442')/(intval('387')*sqrt(intval('149765')));
B10(97,97) = intval('75659')/(intval('151317'));
B10(98,97) = intval('12740')*sqrt(intval('3'))/(intval('391')*sqrt(intval('50959')));
B10(97,98) = intval('12740')*sqrt(intval('3'))/(intval('391')*sqrt(intval('50959')));
B10(98,98) = intval('77223')/(intval('154445'));
B10(99,98) = intval('13002')*sqrt(intval('3'))/(intval('395')*sqrt(intval('52007')));
B10(98,99) = intval('13002')*sqrt(intval('3'))/(intval('395')*sqrt(intval('52007')));
B10(99,99) = intval('78803')/(intval('157605'));
B10(100,99) = intval('39800')/(intval('399')*sqrt(intval('159197')));
B10(99,100) = intval('39800')/(intval('399')*sqrt(intval('159197')));
B10(100,100) = intval('80399')/(intval('160797'));
B10(101,100) = intval('13534')/(intval('1209')*sqrt(intval('2005')));
B10(100,101) = intval('13534')/(intval('1209')*sqrt(intval('2005')));
B10(101,101) = intval('82011')/(intval('164021'));
B10(102,101) = intval('13804')/(intval('1221')*sqrt(intval('2045')));
B10(101,102) = intval('13804')/(intval('1221')*sqrt(intval('2045')));
B10(102,102) = intval('83639')/(intval('167277'));
B10(103,102) = intval('42230')/(intval('411')*sqrt(intval('168917')));
B10(102,103) = intval('42230')/(intval('411')*sqrt(intval('168917')));
B10(103,103) = intval('85283')/(intval('170565'));
B10(104,103) = intval('14352')*sqrt(intval('3'))/(intval('415')*sqrt(intval('57407')));
B10(103,104) = intval('14352')*sqrt(intval('3'))/(intval('415')*sqrt(intval('57407')));
B10(104,104) = intval('86943')/(intval('173885'));
B10(105,104) = intval('14630')*sqrt(intval('3'))/(intval('419')*sqrt(intval('58519')));
B10(104,105) = intval('14630')*sqrt(intval('3'))/(intval('419')*sqrt(intval('58519')));
B10(105,105) = intval('88619')/(intval('177237'));
B10(106,105) = intval('44732')/(intval('2115')*sqrt(intval('7157')));
B10(105,106) = intval('44732')/(intval('2115')*sqrt(intval('7157')));
B10(106,106) = intval('90311')/(intval('180621'));
B10(107,106) = intval('15194')*sqrt(intval('3'))/(intval('2135')*sqrt(intval('2431')));
B10(106,107) = intval('15194')*sqrt(intval('3'))/(intval('2135')*sqrt(intval('2431')));
B10(107,107) = intval('92019')/(intval('184037'));
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B10(108,107) = intval('15480')*sqrt(intval('3'))/(intval('431')*sqrt(intval('61919')));
B10(107,108) = intval('15480')*sqrt(intval('3'))/(intval('431')*sqrt(intval('61919')));
B10(108,108) = intval('93743')/(intval('187485'));
B10(109,108) = intval('47306')/(intval('435')*sqrt(intval('189221')));
B10(108,109) = intval('47306')/(intval('435')*sqrt(intval('189221')));
B10(109,109) = intval('95483')/(intval('190965'));
B10(110,109) = intval('16060')/(intval('3073')*sqrt(intval('437')));
B10(109,110) = intval('16060')/(intval('3073')*sqrt(intval('437')));
B10(110,110) = intval('97239')/(intval('194477'));
B10(111,110) = intval('16354')/(intval('3101')*sqrt(intval('445')));
B10(110,111) = intval('16354')/(intval('3101')*sqrt(intval('445')));
B10(111,111) = intval('99011')/(intval('198021'));
B10(112,111) = intval('49952')/(intval('447')*sqrt(intval('199805')));
B10(111,112) = intval('49952')/(intval('447')*sqrt(intval('199805')));
B10(112,112) = intval('100799')/(intval('201597'));
B10(113,112) = intval('16950')*sqrt(intval('3'))/(intval('451')*sqrt(intval('67799')));
B10(112,113) = intval('16950')*sqrt(intval('3'))/(intval('451')*sqrt(intval('67799')));
B10(113,113) = intval('102603')/(intval('205205'));
B10(114,113) = intval('17252')*sqrt(intval('3'))/(intval('455')*sqrt(intval('69007')));
B10(113,114) = intval('17252')*sqrt(intval('3'))/(intval('455')*sqrt(intval('69007')));
B10(114,114) = intval('104423')/(intval('208845'));
B10(115,114) = intval('52670')/(intval('459')*sqrt(intval('210677')));
B10(114,115) = intval('52670')/(intval('459')*sqrt(intval('210677')));
B10(115,115) = intval('106259')/(intval('212517'));
B10(116,115) = intval('17864')*sqrt(intval('3'))/(intval('463')*sqrt(intval('71455')));
B10(115,116) = intval('17864')*sqrt(intval('3'))/(intval('463')*sqrt(intval('71455')));
B10(116,116) = intval('108111')/(intval('216221'));
B10(117,116) = intval('18174')*sqrt(intval('3'))/(intval('467')*sqrt(intval('72695')));
B10(116,117) = intval('18174')*sqrt(intval('3'))/(intval('467')*sqrt(intval('72695')));
B10(117,117) = intval('109979')/(intval('219957'));
B10(118,117) = intval('55460')/(intval('471')*sqrt(intval('221837')));
B10(117,118) = intval('55460')/(intval('471')*sqrt(intval('221837')));
B10(118,118) = intval('111863')/(intval('223725'));
B10(119,118) = intval('18802')/(intval('475')*sqrt(intval('25069')));
B10(118,119) = intval('18802')/(intval('475')*sqrt(intval('25069')));
B10(119,119) = intval('113763')/(intval('227525'));
B10(120,119) = intval('19120')/(intval('479')*sqrt(intval('25493')));
B10(119,120) = intval('19120')/(intval('479')*sqrt(intval('25493')));
B10(120,120) = intval('115679')/(intval('231357'));
B10(121,120) = intval('58322')/(intval('483')*sqrt(intval('233285')));
B10(120,121) = intval('58322')/(intval('483')*sqrt(intval('233285')));
B10(121,121) = intval('117611')/(intval('235221'));
B10(122,121) = intval('19764')*sqrt(intval('3'))/(intval('487')*sqrt(intval('79055')));
B10(121,122) = intval('19764')*sqrt(intval('3'))/(intval('487')*sqrt(intval('79055')));
B10(122,122) = intval('119559')/(intval('239117'));
B10(123,122) = intval('20090')*sqrt(intval('3'))/(intval('491')*sqrt(intval('80359')));
B10(122,123) = intval('20090')*sqrt(intval('3'))/(intval('491')*sqrt(intval('80359')));
B10(123,123) = intval('121523')/(intval('243045'));
B10(124,123) = intval('61256')/(intval('495')*sqrt(intval('245021')));
B10(123,124) = intval('61256')/(intval('495')*sqrt(intval('245021')));
B10(124,124) = intval('123503')/(intval('247005'));
B10(125,124) = intval('20750')*sqrt(intval('3'))/(intval('499')*sqrt(intval('82999')));
B10(124,125) = intval('20750')*sqrt(intval('3'))/(intval('499')*sqrt(intval('82999')));
B10(125,125) = intval('125499')/(intval('250997'));
B10(126,125) = intval('21084')*sqrt(intval('3'))/(intval('503')*sqrt(intval('84335')));
B10(125,126) = intval('21084')*sqrt(intval('3'))/(intval('503')*sqrt(intval('84335')));
B10(126,126) = intval('127511')/(intval('255021'));
B10(127,126) = intval('64262')/(intval('507')*sqrt(intval('257045')));
B10(126,127) = intval('64262')/(intval('507')*sqrt(intval('257045')));
B10(127,127) = intval('129539')/(intval('259077'));
B10(128,127) = intval('21760')/(intval('511')*sqrt(intval('29013')));
B10(127,128) = intval('21760')/(intval('511')*sqrt(intval('29013')));
B10(128,128) = intval('131583')/(intval('263165'));
B10(129,128) = intval('22102')/(intval('515')*sqrt(intval('29469')));
B10(128,129) = intval('22102')/(intval('515')*sqrt(intval('29469')));
B10(129,129) = intval('133643')/(intval('267285'));
B10(130,129) = intval('67340')/(intval('519')*sqrt(intval('269357')));
B10(129,130) = intval('67340')/(intval('519')*sqrt(intval('269357')));
B10(130,130) = intval('135719')/(intval('271437'));
B10(131,130) = intval('22794')*sqrt(intval('3'))/(intval('2615')*sqrt(intval('3647')));
B10(130,131) = intval('22794')*sqrt(intval('3'))/(intval('2615')*sqrt(intval('3647')));
B10(131,131) = intval('137811')/(intval('275621'));
B10(132,131) = intval('23144')*sqrt(intval('3'))/(intval('60605')*sqrt(intval('7')));
B10(131,132) = intval('23144')*sqrt(intval('3'))/(intval('60605')*sqrt(intval('7')));
B10(132,132) = intval('139919')/(intval('279837'));
B10(133,132) = intval('70490')/(intval('12213')*sqrt(intval('533')));
B10(132,133) = intval('70490')/(intval('12213')*sqrt(intval('533')));
B10(133,133) = intval('142043')/(intval('284085'));
B10(134,133) = intval('23852')*sqrt(intval('3'))/(intval('535')*sqrt(intval('95407')));
B10(133,134) = intval('23852')*sqrt(intval('3'))/(intval('535')*sqrt(intval('95407')));
B10(134,134) = intval('144183')/(intval('288365'));
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B10(135,134) = intval('24210')*sqrt(intval('3'))/(intval('539')*sqrt(intval('96839')));
B10(134,135) = intval('24210')*sqrt(intval('3'))/(intval('539')*sqrt(intval('96839')));
B10(135,135) = intval('146339')/(intval('292677'));
B10(136,135) = intval('73712')/(intval('543')*sqrt(intval('294845')));
B10(135,136) = intval('73712')/(intval('543')*sqrt(intval('294845')));
B10(136,136) = intval('148511')/(intval('297021'));
B10(137,136) = intval('24934')/(intval('547')*sqrt(intval('33245')));
B10(136,137) = intval('24934')/(intval('547')*sqrt(intval('33245')));
B10(137,137) = intval('150699')/(intval('301397'));
B10(138,137) = intval('25300')/(intval('551')*sqrt(intval('33733')));
B10(137,138) = intval('25300')/(intval('551')*sqrt(intval('33733')));
B10(138,138) = intval('152903')/(intval('305805'));
B10(139,138) = intval('77006')/(intval('555')*sqrt(intval('308021')));
B10(138,139) = intval('77006')/(intval('555')*sqrt(intval('308021')));
B10(139,139) = intval('155123')/(intval('310245'));
B10(140,139) = intval('26040')*sqrt(intval('3'))/(intval('559')*sqrt(intval('104159')));
B10(139,140) = intval('26040')*sqrt(intval('3'))/(intval('559')*sqrt(intval('104159')));
B10(140,140) = intval('157359')/(intval('314717'));
B10(141,140) = intval('26414')*sqrt(intval('3'))/(intval('563')*sqrt(intval('105655')));
B10(140,141) = intval('26414')*sqrt(intval('3'))/(intval('563')*sqrt(intval('105655')));
B10(141,141) = intval('159611')/(intval('319221'));
B10(142,141) = intval('80372')/(intval('567')*sqrt(intval('321485')));
B10(141,142) = intval('80372')/(intval('567')*sqrt(intval('321485')));
B10(142,142) = intval('161879')/(intval('323757'));
B10(143,142) = intval('27170')*sqrt(intval('3'))/(intval('571')*sqrt(intval('108679')));
B10(142,143) = intval('27170')*sqrt(intval('3'))/(intval('571')*sqrt(intval('108679')));
B10(143,143) = intval('164163')/(intval('328325'));
B10(144,143) = intval('27552')*sqrt(intval('3'))/(intval('575')*sqrt(intval('110207')));
B10(143,144) = intval('27552')*sqrt(intval('3'))/(intval('575')*sqrt(intval('110207')));
B10(144,144) = intval('166463')/(intval('332925'));
B10(145,144) = intval('83810')/(intval('579')*sqrt(intval('335237')));
B10(144,145) = intval('83810')/(intval('579')*sqrt(intval('335237')));
B10(145,145) = intval('168779')/(intval('337557'));
B10(146,145) = intval('28324')/(intval('583')*sqrt(intval('37765')));
B10(145,146) = intval('28324')/(intval('583')*sqrt(intval('37765')));
B10(146,146) = intval('171111')/(intval('342221'));
B10(147,146) = intval('28714')/(intval('587')*sqrt(intval('38285')));
B10(146,147) = intval('28714')/(intval('587')*sqrt(intval('38285')));
B10(147,147) = intval('173459')/(intval('346917'));
B10(148,147) = intval('87320')/(intval('591')*sqrt(intval('349277')));
B10(147,148) = intval('87320')/(intval('591')*sqrt(intval('349277')));
B10(148,148) = intval('175823')/(intval('351645'));
B10(149,148) = intval('29502')*sqrt(intval('3'))/(intval('595')*sqrt(intval('118007')));
B10(148,149) = intval('29502')*sqrt(intval('3'))/(intval('595')*sqrt(intval('118007')));
B10(149,149) = intval('178203')/(intval('356405'));
B10(150,149) = intval('29900')*sqrt(intval('3'))/(intval('599')*sqrt(intval('119599')));
B10(149,150) = intval('29900')*sqrt(intval('3'))/(intval('599')*sqrt(intval('119599')));
B10(150,150) = intval('180599')/(intval('361197'));
B10(151,150) = intval('90902')/(intval('6633')*sqrt(intval('3005')));
B10(150,151) = intval('90902')/(intval('6633')*sqrt(intval('3005')));
B10(151,151) = intval('183011')/(intval('366021'));
B10(152,151) = intval('30704')*sqrt(intval('3'))/(intval('6677')*sqrt(intval('1015')));
B10(151,152) = intval('30704')*sqrt(intval('3'))/(intval('6677')*sqrt(intval('1015')));
B10(152,152) = intval('185439')/(intval('370877'));
B10(153,152) = intval('31110')*sqrt(intval('3'))/(intval('611')*sqrt(intval('124439')));
B10(152,153) = intval('31110')*sqrt(intval('3'))/(intval('611')*sqrt(intval('124439')));
B10(153,153) = intval('187883')/(intval('375765'));
B10(154,153) = intval('94556')/(intval('615')*sqrt(intval('378221')));
B10(153,154) = intval('94556')/(intval('615')*sqrt(intval('378221')));
B10(154,154) = intval('190343')/(intval('380685'));
B10(155,154) = intval('31930')/(intval('619')*sqrt(intval('42573')));
B10(154,155) = intval('31930')/(intval('619')*sqrt(intval('42573')));
B10(155,155) = intval('192819')/(intval('385637'));
B10(156,155) = intval('32344')/(intval('15575')*sqrt(intval('69')));
B10(155,156) = intval('32344')/(intval('15575')*sqrt(intval('69')));
B10(156,156) = intval('195311')/(intval('390621'));
B10(157,156) = intval('98282')/(intval('15675')*sqrt(intval('629')));
B10(156,157) = intval('98282')/(intval('15675')*sqrt(intval('629')));
B10(157,157) = intval('197819')/(intval('395637'));
B10(158,157) = intval('33180')*sqrt(intval('3'))/(intval('631')*sqrt(intval('132719')));
B10(157,158) = intval('33180')*sqrt(intval('3'))/(intval('631')*sqrt(intval('132719')));
B10(158,158) = intval('200343')/(intval('400685'));
B10(159,158) = intval('33602')*sqrt(intval('3'))/(intval('4445')*sqrt(intval('2743')));
B10(158,159) = intval('33602')*sqrt(intval('3'))/(intval('4445')*sqrt(intval('2743')));
B10(159,159) = intval('202883')/(intval('405765'));
B10(160,159) = intval('102080')/(intval('4473')*sqrt(intval('8333')));
B10(159,160) = intval('102080')/(intval('4473')*sqrt(intval('8333')));
B10(160,160) = intval('205439')/(intval('410877'));
B10(161,160) = intval('34454')*sqrt(intval('3'))/(intval('643')*sqrt(intval('137815')));
B10(160,161) = intval('34454')*sqrt(intval('3'))/(intval('643')*sqrt(intval('137815')));
B10(161,161) = intval('208011')/(intval('416021'));
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B10(162,161) = intval('34884')*sqrt(intval('3'))/(intval('647')*sqrt(intval('139535')));
B10(161,162) = intval('34884')*sqrt(intval('3'))/(intval('647')*sqrt(intval('139535')));
B10(162,162) = intval('210599')/(intval('421197'));
B10(163,162) = intval('105950')/(intval('651')*sqrt(intval('423797')));
B10(162,163) = intval('105950')/(intval('651')*sqrt(intval('423797')));
B10(163,163) = intval('213203')/(intval('426405'));
B10(164,163) = intval('35752')/(intval('655')*sqrt(intval('47669')));
B10(163,164) = intval('35752')/(intval('655')*sqrt(intval('47669')));
B10(164,164) = intval('215823')/(intval('431645'));
B10(165,164) = intval('36190')/(intval('659')*sqrt(intval('48253')));
B10(164,165) = intval('36190')/(intval('659')*sqrt(intval('48253')));
B10(165,165) = intval('218459')/(intval('436917'));
B10(166,165) = intval('109892')/(intval('663')*sqrt(intval('439565')));
B10(165,166) = intval('109892')/(intval('663')*sqrt(intval('439565')));
B10(166,166) = intval('221111')/(intval('442221'));
B10(167,166) = intval('37074')*sqrt(intval('3'))/(intval('667')*sqrt(intval('148295')));
B10(166,167) = intval('37074')*sqrt(intval('3'))/(intval('667')*sqrt(intval('148295')));
B10(167,167) = intval('223779')/(intval('447557'));
B10(168,167) = intval('37520')*sqrt(intval('3'))/(intval('671')*sqrt(intval('150079')));
B10(167,168) = intval('37520')*sqrt(intval('3'))/(intval('671')*sqrt(intval('150079')));
B10(168,168) = intval('226463')/(intval('452925'));
B10(169,168) = intval('113906')/(intval('675')*sqrt(intval('455621')));
B10(168,169) = intval('113906')/(intval('675')*sqrt(intval('455621')));
B10(169,169) = intval('229163')/(intval('458325'));
B10(170,169) = intval('38420')*sqrt(intval('3'))/(intval('679')*sqrt(intval('153679')));
B10(169,170) = intval('38420')*sqrt(intval('3'))/(intval('679')*sqrt(intval('153679')));
B10(170,170) = intval('231879')/(intval('463757'));
B10(171,170) = intval('38874')*sqrt(intval('3'))/(intval('683')*sqrt(intval('155495')));
B10(170,171) = intval('38874')*sqrt(intval('3'))/(intval('683')*sqrt(intval('155495')));
B10(171,171) = intval('234611')/(intval('469221'));
B10(172,171) = intval('117992')/(intval('687')*sqrt(intval('471965')));
B10(171,172) = intval('117992')/(intval('687')*sqrt(intval('471965')));
B10(172,172) = intval('237359')/(intval('474717'));
B10(173,172) = intval('39790')/(intval('691')*sqrt(intval('53053')));
B10(172,173) = intval('39790')/(intval('691')*sqrt(intval('53053')));
B10(173,173) = intval('240123')/(intval('480245'));
B10(174,173) = intval('40252')/(intval('695')*sqrt(intval('53669')));
B10(173,174) = intval('40252')/(intval('695')*sqrt(intval('53669')));
B10(174,174) = intval('242903')/(intval('485805'));
B10(175,174) = intval('122150')/(intval('699')*sqrt(intval('488597')));
B10(174,175) = intval('122150')/(intval('699')*sqrt(intval('488597')));
B10(175,175) = intval('245699')/(intval('491397'));
B10(176,175) = intval('41184')*sqrt(intval('3'))/(intval('703')*sqrt(intval('164735')));
B10(175,176) = intval('41184')*sqrt(intval('3'))/(intval('703')*sqrt(intval('164735')));
B10(176,176) = intval('248511')/(intval('497021'));
B10(177,176) = intval('41654')*sqrt(intval('3'))/(intval('707')*sqrt(intval('166615')));
B10(176,177) = intval('41654')*sqrt(intval('3'))/(intval('707')*sqrt(intval('166615')));
B10(177,177) = intval('251339')/(intval('502677'));
B10(178,177) = intval('126380')/(intval('711')*sqrt(intval('505517')));
B10(177,178) = intval('126380')/(intval('711')*sqrt(intval('505517')));
B10(178,178) = intval('254183')/(intval('508365'));
B10(179,178) = intval('42602')*sqrt(intval('3'))/(intval('715')*sqrt(intval('170407')));
B10(178,179) = intval('42602')*sqrt(intval('3'))/(intval('715')*sqrt(intval('170407')));
B10(179,179) = intval('257043')/(intval('514085'));
B10(180,179) = intval('43080')*sqrt(intval('3'))/(intval('719')*sqrt(intval('172319')));
B10(179,180) = intval('43080')*sqrt(intval('3'))/(intval('719')*sqrt(intval('172319')));
B10(180,180) = intval('259919')/(intval('519837'));
B10(181,180) = intval('130682')/(intval('3615')*sqrt(intval('20909')));
B10(180,181) = intval('130682')/(intval('3615')*sqrt(intval('20909')));
B10(181,181) = intval('262811')/(intval('525621'));
B10(182,181) = intval('44044')/(intval('32715')*sqrt(intval('29')));
B10(181,182) = intval('44044')/(intval('32715')*sqrt(intval('29')));
B10(182,182) = intval('265719')/(intval('531437'));
B10(183,182) = intval('44530')/(intval('6579')*sqrt(intval('733')));
B10(182,183) = intval('44530')/(intval('6579')*sqrt(intval('733')));
B10(183,183) = intval('268643')/(intval('537285'));
B10(184,183) = intval('135056')/(intval('735')*sqrt(intval('540221')));
B10(183,184) = intval('135056')/(intval('735')*sqrt(intval('540221')));
B10(184,184) = intval('271583')/(intval('543165'));
B10(185,184) = intval('45510')*sqrt(intval('3'))/(intval('739')*sqrt(intval('182039')));
B10(184,185) = intval('45510')*sqrt(intval('3'))/(intval('739')*sqrt(intval('182039')));
B10(185,185) = intval('274539')/(intval('549077'));
B10(186,185) = intval('46004')*sqrt(intval('3'))/(intval('743')*sqrt(intval('184015')));
B10(185,186) = intval('46004')*sqrt(intval('3'))/(intval('743')*sqrt(intval('184015')));
B10(186,186) = intval('277511')/(intval('555021'));
B10(187,186) = intval('139502')/(intval('747')*sqrt(intval('558005')));
B10(186,187) = intval('139502')/(intval('747')*sqrt(intval('558005')));
B10(187,187) = intval('280499')/(intval('560997'));
B10(188,187) = intval('47000')*sqrt(intval('3'))/(intval('751')*sqrt(intval('187999')));
B10(187,188) = intval('47000')*sqrt(intval('3'))/(intval('751')*sqrt(intval('187999')));
B10(188,188) = intval('283503')/(intval('567005'));
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B10(189,188) = intval('47502')*sqrt(intval('3'))/(intval('755')*sqrt(intval('190007')));
B10(188,189) = intval('47502')*sqrt(intval('3'))/(intval('755')*sqrt(intval('190007')));
B10(189,189) = intval('286523')/(intval('573045'));
B10(190,189) = intval('144020')/(intval('759')*sqrt(intval('576077')));
B10(189,190) = intval('144020')/(intval('759')*sqrt(intval('576077')));
B10(190,190) = intval('289559')/(intval('579117'));
B10(191,190) = intval('48514')/(intval('763')*sqrt(intval('64685')));
B10(190,191) = intval('48514')/(intval('763')*sqrt(intval('64685')));
B10(191,191) = intval('292611')/(intval('585221'));
B10(192,191) = intval('49024')/(intval('767')*sqrt(intval('65365')));
B10(191,192) = intval('49024')/(intval('767')*sqrt(intval('65365')));
B10(192,192) = intval('295679')/(intval('591357'));
B10(193,192) = intval('148610')/(intval('771')*sqrt(intval('594437')));
B10(192,193) = intval('148610')/(intval('771')*sqrt(intval('594437')));
B10(193,193) = intval('298763')/(intval('597525'));
B10(194,193) = intval('50052')*sqrt(intval('3'))/(intval('775')*sqrt(intval('200207')));
B10(193,194) = intval('50052')*sqrt(intval('3'))/(intval('775')*sqrt(intval('200207')));
B10(194,194) = intval('301863')/(intval('603725'));
B10(195,194) = intval('50570')*sqrt(intval('3'))/(intval('779')*sqrt(intval('202279')));
B10(194,195) = intval('50570')*sqrt(intval('3'))/(intval('779')*sqrt(intval('202279')));
B10(195,195) = intval('304979')/(intval('609957'));
B10(196,195) = intval('153272')/(intval('783')*sqrt(intval('613085')));
B10(195,196) = intval('153272')/(intval('783')*sqrt(intval('613085')));
B10(196,196) = intval('308111')/(intval('616221'));
B10(197,196) = intval('51614')*sqrt(intval('3'))/(intval('787')*sqrt(intval('206455')));
B10(196,197) = intval('51614')*sqrt(intval('3'))/(intval('787')*sqrt(intval('206455')));
B10(197,197) = intval('311259')/(intval('622517'));
B10(198,197) = intval('52140')*sqrt(intval('3'))/(intval('791')*sqrt(intval('208559')));
B10(197,198) = intval('52140')*sqrt(intval('3'))/(intval('791')*sqrt(intval('208559')));
B10(198,198) = intval('314423')/(intval('628845'));
B10(199,198) = intval('158006')/(intval('795')*sqrt(intval('632021')));
B10(198,199) = intval('158006')/(intval('795')*sqrt(intval('632021')));
B10(199,199) = intval('317603')/(intval('635205'));
B10(200,199) = intval('53200')/(intval('799')*sqrt(intval('70933')));
B10(199,200) = intval('53200')/(intval('799')*sqrt(intval('70933')));
B10(200,200) = intval('320799')/(intval('641597'));
```

"function generate_B11.m"

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function B11 = generate_B11
B11 = intval(zeros(200,200));
B11(1,1) = intval('3')/(intval('7'));
B11(2,1) = intval('136')/(intval('231')*sqrt(intval('5')));
B11(3,1) = intval('8')*sqrt(intval('5'))/(intval('77')*sqrt(intval('13')));
B11(1,2) = intval('136')/(intval('231')*sqrt(intval('5')));
B11(2,2) = intval('1929')/(intval('5005'));
B11(3,2) = intval('212')/(intval('231')*sqrt(intval('13')));
B11(4,2) = intval('112')/(intval('429')*sqrt(intval('17')));
B11(1,3) = intval('8')*sqrt(intval('5'))/(intval('77')*sqrt(intval('13')));
B11(2,3) = intval('212')/(intval('231')*sqrt(intval('13')));
B11(3,3) = intval('71')/(intval('187'));
B11(4,3) = intval('784')/(intval('209')*sqrt(intval('221')));
B11(5,3) = intval('16')*sqrt(intval('21'))/(intval('323')*sqrt(intval('13')));
B11(2,4) = intval('112')/(intval('429')*sqrt(intval('17')));
B11(3,4) = intval('784')/(intval('209')*sqrt(intval('221')));
B11(4,4) = intval('653')/(intval('1729'));
B11(5,4) = intval('692')*sqrt(intval('3'))/(intval('437')*sqrt(intval('119')));
B11(6,4) = intval('792')/(intval('3059')*sqrt(intval('17')));
B11(3,5) = intval('16')*sqrt(intval('21'))/(intval('323')*sqrt(intval('13')));
B11(4,5) = intval('692')*sqrt(intval('3'))/(intval('437')*sqrt(intval('119')));
B11(5,5) = intval('69969')/(intval('185725'));
B11(6,5) = intval('22616')/(intval('19665')*sqrt(intval('21')));
B11(7,5) = intval('1144')*sqrt(intval('7'))/(intval('5175')*sqrt(intval('87')));
B11(4,6) = intval('792')/(intval('3059')*sqrt(intval('17')));
B11(5,6) = intval('22616')/(intval('19665')*sqrt(intval('21')));
B11(6,6) = intval('15809')/(intval('42021'));
B11(7,6) = intval('43316')/(intval('32085')*sqrt(intval('29')));
B11(8,6) = intval('2912')/(intval('8091')*sqrt(intval('33')));
B11(5,7) = intval('1144')*sqrt(intval('7'))/(intval('5175')*sqrt(intval('87')));
B11(6,7) = intval('43316')/(intval('32085')*sqrt(intval('29')));
B11(7,7) = intval('28841')/(intval('76725'));
B11(8,7) = intval('1376')*sqrt(intval('11'))/(intval('1953')*sqrt(intval('87')));
B11(9,7) = intval('4896')/(intval('2387')*sqrt(intval('1073')));
B11(6,8) = intval('2912')/(intval('8091')*sqrt(intval('33')));
B11(7,8) = intval('1376')*sqrt(intval('11'))/(intval('1953')*sqrt(intval('87')));
B11(8,8) = intval('87477')/(intval('232841'));
B11(9,8) = intval('748')*sqrt(intval('33'))/(intval('2821')*sqrt(intval('37')));
B11(10,8) = intval('2584')*sqrt(intval('3'))/(intval('3367')*sqrt(intval('451')));
B11(7,9) = intval('4896')/(intval('2387')*sqrt(intval('1073')));
B11(8,9) = intval('748')*sqrt(intval('33'))/(intval('2821')*sqrt(intval('37')));
B11(9,9) = intval('15413')/(intval('41041'));
B11(10,9) = intval('38152')/(intval('3913')*sqrt(intval('1517')));
B11(11,9) = intval('11704')*sqrt(intval('5'))/(intval('68757')*sqrt(intval('37')));
B11(8,10) = intval('2584')*sqrt(intval('3'))/(intval('3367')*sqrt(intval('451')));
B11(9,10) = intval('38152')/(intval('3913')*sqrt(intval('1517')));
B11(10,10) = intval('38827')/(intval('103415'));
B11(11,10) = intval('282436')/(intval('78819')*sqrt(intval('205')));
B11(12,10) = intval('4048')/(intval('10105')*sqrt(intval('41')));
B11(9,11) = intval('11704')*sqrt(intval('5'))/(intval('68757')*sqrt(intval('37')));
B11(10,11) = intval('282436')/(intval('78819')*sqrt(intval('205')));
B11(11,11) = intval('1524081')/(intval('4060189'));
B11(12,11) = intval('403696')/(intval('721497')*sqrt(intval('5')));
B11(13,11) = intval('23920')*sqrt(intval('5'))/(intval('117453')*sqrt(intval('53')));
B11(10,12) = intval('4048')/(intval('10105')*sqrt(intval('41')));
B11(11,12) = intval('403696')/(intval('721497')*sqrt(intval('5')));
B11(12,12) = intval('79467')/(intval('211735'));
B11(13,12) = intval('112060')/(intval('61523')*sqrt(intval('53')));
B11(14,12) = intval('1560')*sqrt(intval('3'))/(intval('9911')*sqrt(intval('19')));
B11(11,13) = intval('23920')*sqrt(intval('5'))/(intval('117453')*sqrt(intval('53')));
B11(12,13) = intval('112060')/(intval('61523')*sqrt(intval('53')));
B11(13,13) = intval('65333')/(intval('174097'));
B11(14,13) = intval('50568')*sqrt(intval('3'))/(intval('11033')*sqrt(intval('1007')));
B11(15,13) = intval('43848')/(intval('12331')*sqrt(intval('3233')));
B11(12,14) = intval('1560')*sqrt(intval('3'))/(intval('9911')*sqrt(intval('19')));
B11(13,14) = intval('50568')*sqrt(intval('3'))/(intval('11033')*sqrt(intval('1007')));
B11(14,14) = intval('787317')/(intval('2098217'));
B11(15,14) = intval('201028')/(intval('13629')*sqrt(intval('3477')));
B11(16,14) = intval('57536')*sqrt(intval('5'))/(intval('75579')*sqrt(intval('741')));
B11(13,15) = intval('43848')/(intval('12331')*sqrt(intval('3233')));
B11(14,15) = intval('201028')/(intval('13629')*sqrt(intval('3477')));
B11(15,15) = intval('574121')/(intval('1530165'));
B11(16,15) = intval('1307456')/(intval('83013')*sqrt(intval('3965')));
B11(17,15) = intval('371008')/(intval('91455')*sqrt(intval('4209')));
B11(14,16) = intval('57536')*sqrt(intval('5'))/(intval('75579')*sqrt(intval('741')));
B11(15,16) = intval('1307456')/(intval('83013')*sqrt(intval('3965')));
B11(16,16) = intval('740609')/(intval('1974021'));
B11(17,16) = intval('1673276')/(intval('99897')*sqrt(intval('4485')));
B11(18,16) = intval('94248')*sqrt(intval('5'))/(intval('109411')*sqrt(intval('949')));
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B11(15,17) = intval('371008')/(intval('91455')*sqrt(intval('4209')));
B11(16,17) = intval('1673276')/(intval('99897')*sqrt(intval('4485')));
B11(17,17) = intval('8468049')/(intval('22571965'));
B11(18,17) = intval('140728')*sqrt(intval('3'))/(intval('23785')*sqrt(intval('1679')));
B11(19,17) = intval('5624')*sqrt(intval('21'))/(intval('25915')*sqrt(intval('253')));
B11(16,18) = intval('94248')*sqrt(intval('5'))/(intval('109411')*sqrt(intval('949')));
B11(17,18) = intval('140728')*sqrt(intval('3'))/(intval('23785')*sqrt(intval('1679')));
B11(18,18) = intval('235853')/(intval('628705'));
B11(19,18) = intval('47804')*sqrt(intval('11'))/(intval('28045')*sqrt(intval('511')));
B11(20,18) = intval('146224')/(intval('273735')*sqrt(intval('73')));
B11(17,19) = intval('5624')*sqrt(intval('21'))/(intval('25915')*sqrt(intval('253')));
B11(18,19) = intval('47804')*sqrt(intval('11'))/(intval('28045')*sqrt(intval('511')));
B11(19,19) = intval('97351')/(intval('259515'));
B11(20,19) = intval('58864')*sqrt(intval('11'))/(intval('295065')*sqrt(intval('7')));
B11(21,19) = intval('8528')*sqrt(intval('35'))/(intval('59013')*sqrt(intval('187')));
B11(18,20) = intval('146224')/(intval('273735')*sqrt(intval('73')));
B11(19,20) = intval('58864')*sqrt(intval('11'))/(intval('295065')*sqrt(intval('7')));
B11(20,20) = intval('16098249')/(intval('42915565'));
B11(21,20) = intval('3945676')/(intval('1711377')*sqrt(intval('85')));
B11(22,20) = intval('1086008')/(intval('1841355')*sqrt(intval('89')));
B11(19,21) = intval('8528')*sqrt(intval('35'))/(intval('59013')*sqrt(intval('187')));
B11(20,21) = intval('3945676')/(intval('1711377')*sqrt(intval('85')));
B11(21,21) = intval('723203')/(intval('1928007'));
B11(22,21) = intval('4764056')/(intval('219037')*sqrt(intval('7565')));
B11(23,21) = intval('87032')*sqrt(intval('15'))/(intval('234871')*sqrt(intval('527')));
B11(20,22) = intval('1086008')/(intval('1841355')*sqrt(intval('89')));
B11(21,22) = intval('4764056')/(intval('219037')*sqrt(intval('7565')));
B11(22,22) = intval('2608321')/(intval('6953765'));
B11(23,22) = intval('380236')*sqrt(intval('3'))/(intval('50141')*sqrt(intval('2759')));
B11(24,22) = intval('311328')/(intval('53599')*sqrt(intval('8633')));
B11(21,23) = intval('87032')*sqrt(intval('15'))/(intval('234871')*sqrt(intval('527')));
B11(22,23) = intval('380236')*sqrt(intval('3'))/(intval('50141')*sqrt(intval('2759')));
B11(23,23) = intval('5598717')/(intval('14926457'));
B11(24,23) = intval('1355104')/(intval('57057')*sqrt(intval('9021')));
B11(25,23) = intval('368480')/(intval('60819')*sqrt(intval('9393')));
B11(22,24) = intval('311328')/(intval('53599')*sqrt(intval('8633')));
B11(23,24) = intval('1355104')/(intval('57057')*sqrt(intval('9021')));
B11(24,24) = intval('736333')/(intval('1963137'));
B11(25,24) = intval('1598380')/(intval('64581')*sqrt(intval('9797')));
B11(26,24) = intval('61880')*sqrt(intval('35'))/(intval('343299')*sqrt(intval('291')));
B11(23,25) = intval('368480')/(intval('60819')*sqrt(intval('9393')));
B11(24,25) = intval('1598380')/(intval('64581')*sqrt(intval('9797')));
B11(25,25) = intval('4328201')/(intval('11539605'));
B11(26,25) = intval('9365096')/(intval('363693')*sqrt(intval('10605')));
B11(27,25) = intval('2530008')/(intval('385735')*sqrt(intval('11009')));
B11(24,26) = intval('61880')*sqrt(intval('35'))/(intval('343299')*sqrt(intval('291')));
B11(25,26) = intval('9365096')/(intval('363693')*sqrt(intval('10605')));
B11(26,26) = intval('45507081')/(intval('121330189'));
B11(27,26) = intval('3636012')*sqrt(intval('3'))/(intval('407777')*sqrt(intval('3815')));
B11(28,26) = intval('27984')*sqrt(intval('105'))/(intval('431531')*sqrt(intval('113')));
B11(25,27) = intval('2530008')/(intval('385735')*sqrt(intval('11009')));
B11(26,27) = intval('3636012')*sqrt(intval('3'))/(intval('407777')*sqrt(intval('3815')));
B11(27,27) = intval('5872681')/(intval('15657845'));
B11(28,27) = intval('2526832')/(intval('91057')*sqrt(intval('12317')));
B11(29,27) = intval('678832')/(intval('288489')*sqrt(intval('1417')));
B11(26,28) = intval('27984')*sqrt(intval('105'))/(intval('431531')*sqrt(intval('113')));
B11(27,28) = intval('2526832')/(intval('91057')*sqrt(intval('12317')));
B11(28,28) = intval('452271')/(intval('1205867'));
B11(29,28) = intval('2911484')/(intval('303807')*sqrt(intval('1469')));
B11(30,28) = intval('260072')/(intval('391391')*sqrt(intval('113')));
B11(27,29) = intval('678832')/(intval('288489')*sqrt(intval('1417')));
B11(28,29) = intval('2911484')/(intval('303807')*sqrt(intval('1469')));
B11(29,29) = intval('14035677')/(intval('37423001'));
B11(30,29) = intval('303496')/(intval('336651')*sqrt(intval('13')));
B11(31,29) = intval('892552')/(intval('1771077')*sqrt(intval('65')));
B11(28,30) = intval('260072')/(intval('391391')*sqrt(intval('113')));
B11(29,30) = intval('303496')/(intval('336651')*sqrt(intval('13')));
B11(30,30) = intval('2973547')/(intval('7928375'));
B11(31,30) = intval('1732156')/(intval('3098165')*sqrt(intval('5')));
B11(32,30) = intval('1694336')*sqrt(intval('3'))/(intval('7159625')*sqrt(intval('43')));
B11(29,31) = intval('892552')/(intval('1771077')*sqrt(intval('65')));
B11(30,31) = intval('1732156')/(intval('3098165')*sqrt(intval('5')));
B11(31,31) = intval('10160809')/(intval('27092021'));
B11(32,31) = intval('7219072')*sqrt(intval('3'))/(intval('3410585')*sqrt(intval('215')));
B11(33,31) = intval('164736')*sqrt(intval('7'))/(intval('715391')*sqrt(intval('95')));
B11(30,32) = intval('1694336')*sqrt(intval('3'))/(intval('7159625')*sqrt(intval('43')));
B11(31,32) = intval('7219072')*sqrt(intval('3'))/(intval('3410585')*sqrt(intval('215')));
B11(32,32) = intval('103733769')/(intval('276590125'));
B11(33,32) = intval('4903756')/(intval('149733')*sqrt(intval('17157')));
B11(34,32) = intval('1303016')/(intval('156807')*sqrt(intval('17673')));
B11(31,33) = intval('164736')*sqrt(intval('7'))/(intval('715391')*sqrt(intval('95')));
B11(32,33) = intval('4903756')/(intval('149733')*sqrt(intval('17157')));
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B11(33,33) = intval('2604853')/(intval('6945489'));
B11(34,33) = intval('5530984')/(intval('163881')*sqrt(intval('18221')));
B11(35,33) = intval('209576')*sqrt(intval('7'))/(intval('171387')*sqrt(intval('2679')));
B11(32,34) = intval('1303016')/(intval('156807')*sqrt(intval('17673')));
B11(33,34) = intval('5530984')/(intval('163881')*sqrt(intval('18221')));
B11(34,34) = intval('2932813')/(intval('7820001'));
B11(35,34) = intval('6216532')/(intval('178893')*sqrt(intval('19317')));
B11(36,34) = intval('1646064')*sqrt(intval('5'))/(intval('934219')*sqrt(intval('3973')));
B11(33,35) = intval('209576')*sqrt(intval('7'))/(intval('171387')*sqrt(intval('2679')));
B11(34,35) = intval('6216532')/(intval('178893')*sqrt(intval('19317')));
B11(35,35) = intval('148086129')/(intval('394856605'));
B11(36,35) = intval('11606512')*sqrt(intval('3'))/(intval('973973')*sqrt(intval('6815')));
B11(37,35) = intval('3068336')*sqrt(intval('3'))/(intval('1016015')*sqrt(intval('7003')));
B11(34,36) = intval('1646064')*sqrt(intval('5'))/(intval('934219')*sqrt(intval('3973')));
B11(35,36) = intval('11606512')*sqrt(intval('3'))/(intval('973973')*sqrt(intval('6815')));
B11(36,36) = intval('18403009')/(intval('49070021'));
B11(37,36) = intval('38883596')/(intval('1058057')*sqrt(intval('21605')));
B11(38,36) = intval('2052760')*sqrt(intval('5'))/(intval('3307353')*sqrt(intval('493')));
B11(35,37) = intval('3068336')*sqrt(intval('3'))/(intval('1016015')*sqrt(intval('7003')));
B11(36,37) = intval('38883596')/(intval('1058057')*sqrt(intval('21605')));
B11(37,37) = intval('6840067')/(intval('18238535'));
B11(38,37) = intval('8658680')/(intval('688107')*sqrt(intval('2533')));
B11(39,37) = intval('760760')/(intval('79577')*sqrt(intval('23393')));
B11(36,38) = intval('2052760')*sqrt(intval('5'))/(intval('3307353')*sqrt(intval('493')));
B11(37,38) = intval('8658680')/(intval('688107')*sqrt(intval('2533')));
B11(38,38) = intval('41066997')/(intval('109502633'));
B11(39,38) = intval('9613604')/(intval('744279')*sqrt(intval('2669')));
B11(40,38) = intval('361504')*sqrt(intval('7'))/(intval('773853')*sqrt(intval('391')));
B11(37,39) = intval('760760')/(intval('79577')*sqrt(intval('23393')));
B11(38,39) = intval('9613604')/(intval('744279')*sqrt(intval('2669')));
B11(39,39) = intval('1686471')/(intval('4496891'));
B11(40,39) = intval('10645408')/(intval('267809')*sqrt(intval('25277')));
B11(41,39) = intval('932832')*sqrt(intval('15'))/(intval('1390879')*sqrt(intval('1727')));
B11(38,40) = intval('361504')*sqrt(intval('7'))/(intval('773853')*sqrt(intval('391')));
B11(39,40) = intval('10645408')/(intval('267809')*sqrt(intval('25277')));
B11(40,40) = intval('27976321')/(intval('74597765'));
B11(41,40) = intval('1781532')*sqrt(intval('33'))/(intval('1442713')*sqrt(intval('805')));
B11(42,40) = intval('2205144')*sqrt(intval('7'))/(intval('19463015')*sqrt(intval('23')));
B11(39,41) = intval('932832')*sqrt(intval('15'))/(intval('1390879')*sqrt(intval('1727')));
B11(40,41) = intval('1781532')*sqrt(intval('33'))/(intval('1442713')*sqrt(intval('805')));
B11(41,41) = intval('277766481')/(intval('740656189'));
B11(42,41) = intval('5889016')*sqrt(intval('11'))/(intval('20170761')*sqrt(intval('15')));
B11(43,41) = intval('3397688')*sqrt(intval('5'))/(intval('1608711')*sqrt(intval('5709')));
B11(40,42) = intval('2205144')*sqrt(intval('7'))/(intval('19463015')*sqrt(intval('23')));
B11(41,42) = intval('5889016')*sqrt(intval('11'))/(intval('20170761')*sqrt(intval('15')));
B11(42,42) = intval('33967361')/(intval('90573285'));
B11(43,42) = intval('14242804')/(intval('4331145')*sqrt(intval('173')));
B11(44,42) = intval('3731024')/(intval('4486755')*sqrt(intval('177')));
B11(41,43) = intval('3397688')*sqrt(intval('5'))/(intval('1608711')*sqrt(intval('5709')));
B11(42,43) = intval('14242804')/(intval('4331145')*sqrt(intval('173')));
B11(43,43) = intval('7460053')/(intval('19892145'));
B11(44,43) = intval('15623344')/(intval('357105')*sqrt(intval('30621')));
B11(45,43) = intval('4088304')/(intval('369635')*sqrt(intval('31313')));
B11(42,44) = intval('3731024')/(intval('4486755')*sqrt(intval('177')));
B11(43,44) = intval('15623344')/(intval('357105')*sqrt(intval('30621')));
B11(44,44) = intval('73570677')/(intval('196175945'));
B11(45,44) = intval('5700628')*sqrt(intval('3'))/(intval('382165')*sqrt(intval('10679')));
B11(46,44) = intval('1490216')*sqrt(intval('15'))/(intval('1976339')*sqrt(intval('2183')));
B11(43,45) = intval('4088304')/(intval('369635')*sqrt(intval('31313')));
B11(44,45) = intval('5700628')*sqrt(intval('3'))/(intval('382165')*sqrt(intval('10679')));
B11(45,45) = intval('44695561')/(intval('119180885'));
B11(46,45) = intval('93414776')/(intval('2041853')*sqrt(intval('33485')));
B11(47,45) = intval('3485144')*sqrt(intval('7'))/(intval('6330885')*sqrt(intval('543')));
B11(44,46) = intval('1490216')*sqrt(intval('15'))/(intval('1976339')*sqrt(intval('2183')));
B11(45,46) = intval('93414776')/(intval('2041853')*sqrt(intval('33485')));
B11(46,46) = intval('16260203')/(intval('43358007'));
B11(47,46) = intval('101855956')/(intval('6536211')*sqrt(intval('3885')));
B11(48,46) = intval('1771712')*sqrt(intval('5'))/(intval('750057')*sqrt(intval('7141')));
B11(45,47) = intval('3485144')*sqrt(intval('7'))/(intval('6330885')*sqrt(intval('543')));
B11(46,47) = intval('101855956')/(intval('6536211')*sqrt(intval('3885')));
B11(47,47) = intval('478255089')/(intval('1275275485'));
B11(48,47) = intval('22171328')/(intval('1392963')*sqrt(intval('4053')));
B11(49,47) = intval('825664')*sqrt(intval('7'))/(intval('1437657')*sqrt(intval('591')));
B11(46,48) = intval('1771712')*sqrt(intval('5'))/(intval('750057')*sqrt(intval('7141')));
B11(47,48) = intval('22171328')/(intval('1392963')*sqrt(intval('4053')));
B11(48,48) = intval('3852271')/(intval('10272171'));
B11(49,48) = intval('24088204')/(intval('494117')*sqrt(intval('38021')));
B11(50,48) = intval('2091320')*sqrt(intval('3'))/(intval('509639')*sqrt(intval('12931')));
B11(47,49) = intval('825664')*sqrt(intval('7'))/(intval('1437657')*sqrt(intval('591')));
B11(48,49) = intval('24088204')/(intval('494117')*sqrt(intval('38021')));
B11(49,49) = intval('12545333')/(intval('33452497'));
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B11(50,49) = intval('8708920')*sqrt(intval('3'))/(intval('525161')*sqrt(intval('13199')));
B11(51,49) = intval('6799320')*sqrt(intval('5'))/(intval('2706599')*sqrt(intval('8077')));
B11(48,50) = intval('2091320')*sqrt(intval('3'))/(intval('509639')*sqrt(intval('12931')));
B11(49,50) = intval('8708920')*sqrt(intval('3'))/(intval('525161')*sqrt(intval('13199')));
B11(50,50) = intval('611817609')/(intval('1631432845'));
B11(51,50) = intval('141460196')/(intval('2787393')*sqrt(intval('41205')));
B11(52,50) = intval('36785008')/(intval('2871435')*sqrt(intval('42009')));
B11(49,51) = intval('6799320')*sqrt(intval('5'))/(intval('2706599')*sqrt(intval('8077')));
B11(50,51) = intval('141460196')/(intval('2787393')*sqrt(intval('41205')));
B11(51,51) = intval('73556009')/(intval('196140021'));
B11(52,51) = intval('13904176')*sqrt(intval('11'))/(intval('2955477')*sqrt(intval('3895')));
B11(53,51) = intval('7948304')*sqrt(intval('5'))/(intval('3042831')*sqrt(intval('8733')));
B11(50,52) = intval('36785008')/(intval('2871435')*sqrt(intval('42009')));
B11(51,52) = intval('13904176')*sqrt(intval('11'))/(intval('2955477')*sqrt(intval('3895')));
B11(52,52) = intval('79468481')/(intval('211906245'));
B11(53,52) = intval('3002132')*sqrt(intval('11'))/(intval('626037')*sqrt(intval('4047')));
B11(54,52) = intval('1224936')*sqrt(intval('7'))/(intval('644183')*sqrt(intval('6479')));
B11(51,53) = intval('79948304')*sqrt(intval('5'))/(intval('3042831')*sqrt(intval('8733')));
B11(52,53) = intval('3002132')*sqrt(intval('11'))/(intval('626037')*sqrt(intval('4047')));
B11(53,53) = intval('154314717')/(intval('411487769'));
B11(54,53) = intval('11866728')*sqrt(intval('3'))/(intval('662329')*sqrt(intval('15407')));
B11(55,53) = intval('3079032')*sqrt(intval('3'))/(intval('681163')*sqrt(intval('15691')));
B11(52,54) = intval('1224936')*sqrt(intval('7'))/(intval('644183')*sqrt(intval('6479')));
B11(53,54) = intval('11866728')*sqrt(intval('3'))/(intval('662329')*sqrt(intval('15407')));
B11(54,54) = intval('18471053')/(intval('49254049'));
B11(55,54) = intval('38324836')/(intval('699997')*sqrt(intval('47957')));
B11(56,54) = intval('1419616')*sqrt(intval('7'))/(intval('10792977')*sqrt(intval('31')));
B11(53,55) = intval('3079032')*sqrt(intval('3'))/(intval('681163')*sqrt(intval('15691')));
B11(54,55) = intval('38324836')/(intval('699997')*sqrt(intval('47957')));
B11(55,55) = intval('33118947')/(intval('88313575'));
B11(56,55) = intval('206014816')/(intval('55429995')*sqrt(intval('221')));
B11(57,55) = intval('17794336')/(intval('1265525')*sqrt(intval('50609')));
B11(54,56) = intval('1419616')*sqrt(intval('7'))/(intval('10792977')*sqrt(intval('31')));
B11(55,56) = intval('206014816')/(intval('55429995')*sqrt(intval('221')));
B11(56,56) = intval('960742281')/(intval('2561878189'));
B11(57,56) = intval('221201116')/(intval('58467255')*sqrt(intval('229')));
B11(58,56) = intval('11456392')/(intval('12008073')*sqrt(intval('233')));
B11(55,57) = intval('17794336')/(intval('1265525')*sqrt(intval('50609')));
B11(56,57) = intval('221201116')/(intval('58467255')*sqrt(intval('229')));
B11(57,57) = intval('38182147')/(intval('101815175'));
B11(58,57) = intval('47442376')/(intval('821513')*sqrt(intval('53357')));
B11(59,57) = intval('4092712')*sqrt(intval('3'))/(intval('843227')*sqrt(intval('18091')));
B11(56,58) = intval('11456392')/(intval('12008073')*sqrt(intval('233')));
B11(57,58) = intval('47442376')/(intval('821513')*sqrt(intval('53357')));
B11(58,58) = intval('24552653')/(intval('65471329'));
B11(59,58) = intval('16938428')*sqrt(intval('3'))/(intval('864941')*sqrt(intval('18407')));
B11(60,58) = intval('13143312')/(intval('887407')*sqrt(intval('56153')));
B11(57,59) = intval('4092712')*sqrt(intval('3'))/(intval('843227')*sqrt(intval('18091')));
B11(58,59) = intval('16938428')*sqrt(intval('3'))/(intval('864941')*sqrt(intval('18407')));
B11(59,59) = intval('236545917')/(intval('630766649'));
B11(60,59) = intval('54364912')/(intval('909873')*sqrt(intval('57117')));
B11(61,59) = intval('2007632')*sqrt(intval('5'))/(intval('4665519')*sqrt(intval('237')));
B11(58,60) = intval('13143312')/(intval('887407')*sqrt(intval('56153')));
B11(59,60) = intval('54364912')/(intval('909873')*sqrt(intval('57117')));
B11(60,60) = intval('140514881')/(intval('374693445'));
B11(61,60) = intval('290486636')/(intval('33471711')*sqrt(intval('1205')));
B11(62,60) = intval('75050008')/(intval('4901715')*sqrt(intval('60009')));
B11(59,61) = intval('2007632')*sqrt(intval('5'))/(intval('4665519')*sqrt(intval('237')));
B11(60,61) = intval('290486636')/(intval('33471711')*sqrt(intval('1205')));
B11(61,61) = intval('150080009')/(intval('400200021'));
B11(62,61) = intval('310093496')/(intval('35152299')*sqrt(intval('1245')));
B11(63,61) = intval('2287800')*sqrt(intval('5'))/(intval('5145751')*sqrt(intval('253')));
B11(60,62) = intval('75050008')/(intval('4901715')*sqrt(intval('60009')));
B11(61,62) = intval('310093496')/(intval('35152299')*sqrt(intval('1245')));
B11(62,62) = intval('1441128009')/(intval('3842884045'));
B11(63,62) = intval('2004100')*sqrt(intval('33'))/(intval('1053949')*sqrt(intval('1909')));
B11(64,62) = intval('5689600')*sqrt(intval('3'))/(intval('1079551')*sqrt(intval('21331')));
B11(61,63) = intval('2287800')*sqrt(intval('5'))/(intval('5145751')*sqrt(intval('253')));
B11(62,63) = intval('2004100')*sqrt(intval('33'))/(intval('1053949')*sqrt(intval('1909')));
B11(63,63) = intval('34133333')/(intval('91019377'));
B11(64,63) = intval('6404864')*sqrt(intval('11'))/(intval('1105153')*sqrt(intval('5911')));
B11(65,63) = intval('18174208')/(intval('3394713')*sqrt(intval('7337')));
B11(62,64) = intval('5689600')*sqrt(intval('3'))/(intval('1079551')*sqrt(intval('21331')));
B11(63,64) = intval('6404864')*sqrt(intval('11'))/(intval('1105153')*sqrt(intval('5911')));
B11(64,64) = intval('12114671')/(intval('32304811'));
B11(65,64) = intval('74979788')/(intval('3473967')*sqrt(intval('7453')));
B11(66,64) = intval('6444152')*sqrt(intval('5'))/(intval('1975393')*sqrt(intval('13621')));
B11(63,65) = intval('18174208')/(intval('3394713')*sqrt(intval('7337')));
B11(64,65) = intval('74979788')/(intval('3473967')*sqrt(intval('7453')));
B11(65,65) = intval('1739716689')/(intval('4639108285'));
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B11(66,65)  =  intval('398603656')/(intval('18187239')*sqrt(intval('7685')));
B11(67,65)  =  intval('102726008')/(intval('18608565')*sqrt(intval('7801')));
B11(64,66)  =  intval('6444152')*sqrt(intval('5'))/(intval('1975393')*sqrt(intval('13621')));
B11(65,66)  =  intval('398603656')/(intval('18187239')*sqrt(intval('7685')));
B11(66,66)  =  intval('68476203')/(intval('182598007'));
B11(67,66)  =  intval('423415076')/(intval('6343297')*sqrt(intval('71285')));
B11(68,66)  =  intval('1038768')*sqrt(intval('105'))/(intval('6488011')*sqrt(intval('689')));
B11(65,67)  =  intval('102726008')/(intval('18608565')*sqrt(intval('7801')));
B11(66,67)  =  intval('423415076')/(intval('6343297')*sqrt(intval('71285')));
B11(67,67)  =  intval('218117161')/(intval('581629685'));
B11(68,67)  =  intval('29957808')*sqrt(intval('3'))/(intval('1326545')*sqrt(intval('24479')));
B11(69,67)  =  intval('23140944')/(intval('1356355')*sqrt(intval('74513')));
B11(66,68)  =  intval('1038768')*sqrt(intval('105'))/(intval('6488011')*sqrt(intval('689')));
B11(67,68)  =  intval('29957808')*sqrt(intval('3'))/(intval('1326545')*sqrt(intval('24479')));
B11(68,68)  =  intval('416492277')/(intval('1110616265'));
B11(69,68)  =  intval('95298844')/(intval('1386165')*sqrt(intval('75621')));
B11(70,68)  =  intval('3503912')*sqrt(intval('7'))/(intval('1416855')*sqrt(intval('10959')));
B11(67,69)  =  intval('23140944')/(intval('1356355')*sqrt(intval('74513')));
B11(68,69)  =  intval('95298844')/(intval('1386165')*sqrt(intval('75621')));
B11(69,69)  =  intval('49049653')/(intval('130795665'));
B11(70,69)  =  intval('100966264')/(intval('1447545')*sqrt(intval('77837')));
B11(71,69)  =  intval('25975208')*sqrt(intval('5'))/(intval('7395639')*sqrt(intval('15789')));
B11(68,70)  =  intval('3503912')*sqrt(intval('7'))/(intval('1416855')*sqrt(intval('10959')));
B11(69,70)  =  intval('100966264')/(intval('1447545')*sqrt(intval('77837')));
B11(70,70)  =  intval('259725761')/(intval('692584485'));
B11(71,70)  =  intval('534413876')/(intval('7553553')*sqrt(intval('80085')));
B11(72,70)  =  intval('137431008')/(intval('131171915')*sqrt(intval('281')));
B11(69,71)  =  intval('25975208')*sqrt(intval('5'))/(intval('7395639')*sqrt(intval('15789')));
B11(70,71)  =  intval('534413876')/(intval('7553553')*sqrt(intval('80085')));
B11(71,71)  =  intval('2473514481')/(intval('6595876189'));
B11(72,71)  =  intval('188425952')*sqrt(intval('3'))/(intval('133933429')*sqrt(intval('95')));
B11(73,71)  =  intval('9687392')*sqrt(intval('15'))/(intval('8045471')*sqrt(intval('5567')));
B11(70,72)  =  intval('137431008')/(intval('131171915')*sqrt(intval('281')));
B11(71,72)  =  intval('188425952')*sqrt(intval('3'))/(intval('133933429')*sqrt(intval('95')));
B11(72,72)  =  intval('290593921')/(intval('774898565'));
B11(73,72)  =  intval('119491948')/(intval('27922517')*sqrt(intval('293')));
B11(74,72)  =  intval('30704968')/(intval('85518789')*sqrt(intval('33')));
B11(71,73)  =  intval('9687392')*sqrt(intval('15'))/(intval('8045471')*sqrt(intval('5567')));
B11(72,73)  =  intval('119491948')/(intval('27922517')*sqrt(intval('293')));
B11(73,73)  =  intval('20468071')/(intval('54580251'));
B11(74,73)  =  intval('11472664')*sqrt(intval('11'))/(intval('5133531')*sqrt(intval('879')));
B11(75,73)  =  intval('1543640')*sqrt(intval('7'))/(intval('582153')*sqrt(intval('12599')));
B11(72,74)  =  intval('30704968')/(intval('85518789')*sqrt(intval('33')));
B11(73,74)  =  intval('11472664')*sqrt(intval('11'))/(intval('5133531')*sqrt(intval('879')));
B11(74,74)  =  intval('583442997')/(intval('1555812713'));
B11(75,74)  =  intval('12107740')*sqrt(intval('11'))/(intval('5345223')*sqrt(intval('903')));
B11(76,74)  =  intval('34198480')*sqrt(intval('5'))/(intval('27269697')*sqrt(intval('2013')));
B11(73,75)  =  intval('1543640')*sqrt(intval('7'))/(intval('582153')*sqrt(intval('12599')));
B11(74,75)  =  intval('12107740')*sqrt(intval('11'))/(intval('5345223')*sqrt(intval('903')));
B11(75,75)  =  intval('113984867')/(intval('303952935'));
B11(76,75)  =  intval('702285296')/(intval('9271093')*sqrt(intval('91805')));
B11(77,75)  =  intval('8584048')*sqrt(intval('21'))/(intval('9457135')*sqrt(intval('4429')));
B11(74,76)  =  intval('34198480')*sqrt(intval('5'))/(intval('27269697')*sqrt(intval('2013')));
B11(75,76)  =  intval('702285296')/(intval('9271093')*sqrt(intval('91805')));
B11(76,76)  =  intval('360490009')/(intval('961310021'));
B11(77,76)  =  intval('246704612')*sqrt(intval('3'))/(intval('9643177')*sqrt(intval('31415')));
B11(78,76)  =  intval('37981944')*sqrt(intval('5'))/(intval('9834131')*sqrt(intval('19093')));
B11(75,77)  =  intval('8584048')*sqrt(intval('21'))/(intval('9457135')*sqrt(intval('4429')));
B11(76,77)  =  intval('246704612')*sqrt(intval('3'))/(intval('9643177')*sqrt(intval('31415')));
B11(77,77)  =  intval('3418088529')/(intval('9114711805'));
B11(78,77)  =  intval('155890072')/(intval('2005017')*sqrt(intval('96717')));
B11(79,77)  =  intval('39987272')/(intval('2044203')*sqrt(intval('97953')));
B11(76,78)  =  intval('37981944')*sqrt(intval('5'))/(intval('9834131')*sqrt(intval('19093')));
B11(77,78)  =  intval('155890072')/(intval('2005017')*sqrt(intval('96717')));
B11(78,78)  =  intval('779968013')/(intval('213243681'));
B11(79,78)  =  intval('164066884')/(intval('2083389')*sqrt(intval('99221')));
B11(80,78)  =  intval('42070976')/(intval('2123583')*sqrt(intval('100473')));
B11(77,79)  =  intval('39987272')/(intval('2044203')*sqrt(intval('97953')));
B11(78,79)  =  intval('164066884')/(intval('2083389')*sqrt(intval('99221')));
B11(79,79)  =  intval('84135253')/(intval('224356209'));
B11(80,79)  =  intval('172561216')/(intval('2163777')*sqrt(intval('101757')));
B11(81,79)  =  intval('44235072')/(intval('11024959')*sqrt(intval('4121')));
B11(78,80)  =  intval('42070976')/(intval('2123583')*sqrt(intval('100473')));
B11(79,80)  =  intval('172561216')/(intval('2163777')*sqrt(intval('101757')));
B11(80,80)  =  intval('3980847369')/(intval('10615386925'));
B11(81,80)  =  intval('302301972')*sqrt(intval('3'))/(intval('56155165')*sqrt(intval('1391')));
B11(82,80)  =  intval('11067048')*sqrt(intval('21'))/(intval('11442275')*sqrt(intval('5029')));
B11(79,81)  =  intval('44235072')/(intval('11024959')*sqrt(intval('4121')));
B11(80,81)  =  intval('302301972')*sqrt(intval('3'))/(intval('56155165')*sqrt(intval('1391')));
B11(81,81)  =  intval('464780809')/(intval('1239392021'));
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B11(82,81) = intval('952675016')/(intval('58267585')*sqrt(intval('4277')));
B11(83,81) = intval('48812632')/(intval('35609973')*sqrt(intval('481')));
B11(80,82) = intval('11067048')*sqrt(intval('21'))/(intval('11442275')*sqrt(intval('5029')));
B11(81,82) = intval('952675016')/(intval('58267585')*sqrt(intval('4277')));
B11(82,82) = intval('162696747')/(intval('433849975'));
B11(83,82) = intval('200030996')/(intval('7251879')*sqrt(intval('12173')));
B11(84,82) = intval('2439536')*sqrt(intval('7'))/(intval('820549')*sqrt(intval('15839')));
B11(81,83) = intval('48812632')/(intval('35609973')*sqrt(intval('481')));
B11(82,83) = intval('200030996')/(intval('7251879')*sqrt(intval('12173')));
B11(83,83) = intval('922078077')/(intval('2458830521'));
B11(84,83) = intval('209877584')/(intval('7518003')*sqrt(intval('12469')));
B11(85,83) = intval('53736592')/(intval('7654281')*sqrt(intval('12617')));
B11(82,84) = intval('2439536')*sqrt(intval('7'))/(intval('820549')*sqrt(intval('15839')));
B11(83,84) = intval('209877584')/(intval('7518003')*sqrt(intval('12469')));
B11(84,84) = intval('35821871')/(intval('95523307'));
B11(85,84) = intval('20007572')*sqrt(intval('11'))/(intval('2596853')*sqrt(intval('10447')));
B11(86,84) = intval('18777928')*sqrt(intval('15'))/(intval('13216819')*sqrt(intval('7751')));
B11(83,85) = intval('53736592')/(intval('7654281')*sqrt(intval('12617')));
B11(84,85) = intval('20007572')*sqrt(intval('11'))/(intval('2596853')*sqrt(intval('10447')));
B11(85,85) = intval('563299081')/(intval('1502105045'));
B11(86,85) = intval('34947992')*sqrt(intval('33'))/(intval('13449373')*sqrt(intval('3565')));
B11(87,85) = intval('295120008')/(intval('13687415')*sqrt(intval('119009')));
B11(84,86) = intval('18777928')*sqrt(intval('15'))/(intval('13216819')*sqrt(intval('7751')));
B11(85,86) = intval('34947992')*sqrt(intval('33'))/(intval('13449373')*sqrt(intval('3565')));
B11(86,86) = intval('5311803081')/(intval('14164570189'));
B11(87,86) = intval('1208033396')/(intval('13925457')*sqrt(intval('120405')));
B11(88,86) = intval('61809440')*sqrt(intval('5'))/(intval('14169051')*sqrt(intval('24357')));
B11(85,87) = intval('295120008')/(intval('13687415')*sqrt(intval('119009')));
B11(86,87) = intval('1208033396')/(intval('13925457')*sqrt(intval('120405')));
B11(87,87) = intval('618053801')/(intval('1648116405'));
B11(88,87) = intval('252941920')/(intval('2882529')*sqrt(intval('123197')));
B11(89,87) = intval('9241760')*sqrt(intval('7'))/(intval('2932371')*sqrt(intval('17799')));
B11(86,88) = intval('61809440')*sqrt(intval('5'))/(intval('14169051')*sqrt(intval('24357')));
B11(87,88) = intval('252941920')/(intval('2882529')*sqrt(intval('123197')));
B11(88,88) = intval('129376333')/(intval('344998017'));
B11(89,88) = intval('264671404')/(intval('2982213')*sqrt(intval('126021')));
B11(90,88) = intval('67674888')/(intval('57630629')*sqrt(intval('353')));
B11(87,89) = intval('9241760')*sqrt(intval('7'))/(intval('2932371')*sqrt(intval('17799')));
B11(88,89) = intval('264671404')/(intval('2982213')*sqrt(intval('126021')));
B11(89,89) = intval('1218071517')/(intval('3248139737'));
B11(90,89) = intval('92268056')*sqrt(intval('3'))/(intval('58599211')*sqrt(intval('119')));
B11(91,89) = intval('3369496')*sqrt(intval('105'))/(intval('15681479')*sqrt(intval('1241')));
B11(88,90) = intval('67674888')/(intval('57630629')*sqrt(intval('353')));
B11(89,90) = intval('92268056')*sqrt(intval('3'))/(intval('58599211')*sqrt(intval('119')));
B11(90,90) = intval('707550721')/(intval('1886772965'));
B11(91,90) = intval('1446746756')/(intval('302900147')*sqrt(intval('365')));
B11(92,90) = intval('369741008')/(intval('923887635')*sqrt(intval('41')));
B11(89,91) = intval('3369496')*sqrt(intval('105'))/(intval('15681479')*sqrt(intval('1241')));
B11(90,91) = intval('1446746756')/(intval('302900147')*sqrt(intval('365')));
B11(91,91) = intval('246479203')/(intval('657268007'));
B11(92,91) = intval('1511580976')/(intval('49424991')*sqrt(intval('14965')));
B11(93,91) = intval('25747856')*sqrt(intval('5'))/(intval('5582437')*sqrt(intval('27229')));
B11(90,92) = intval('369741008')/(intval('923887635')*sqrt(intval('41')));
B11(91,92) = intval('1511580976')/(intval('49424991')*sqrt(intval('14965')));
B11(92,92) = intval('6951512649')/(intval('18537094765'));
B11(93,92) = intval('315714044')/(intval('10211775')*sqrt(intval('15293')));
B11(94,92) = intval('80647864')/(intval('10378725')*sqrt(intval('15457')));
B11(91,93) = intval('25747856')*sqrt(intval('5'))/(intval('5582437')*sqrt(intval('27229')));
B11(92,93) = intval('315714044')/(intval('10211775')*sqrt(intval('15293')));
B11(93,93) = intval('53762151')/(intval('143363675'));
B11(94,93) = intval('329552344')/(intval('3515225')*sqrt(intval('140621')));
B11(95,93) = intval('28054488')*sqrt(intval('3'))/(intval('3572075')*sqrt(intval('47371')));
B11(92,94) = intval('80647864')/(intval('10378725')*sqrt(intval('15457')));
B11(93,94) = intval('329552344')/(intval('3515225')*sqrt(intval('140621')));
B11(94,94) = intval('168317453')/(intval('448840225'));
B11(95,94) = intval('114613548')*sqrt(intval('3'))/(intval('3628925')*sqrt(intval('47879')));
B11(96,94) = intval('12541824')*sqrt(intval('35'))/(intval('18434939')*sqrt(intval('4147')));
B11(93,95) = intval('28054488')*sqrt(intval('3'))/(intval('3572075')*sqrt(intval('47371')));
B11(94,95) = intval('114613548')*sqrt(intval('3'))/(intval('3628925')*sqrt(intval('47879')));
B11(95,95) = intval('7900913649')/(intval('21068812765'));
B11(96,95) = intval('162994816')*sqrt(intval('11'))/(intval('18725253')*sqrt(intval('13335')));
B11(97,95) = intval('457691008')/(intval('19021695')*sqrt(intval('148209')));
B11(94,96) = intval('12541824')*sqrt(intval('35'))/(intval('18434939')*sqrt(intval('4147')));
B11(95,96) = intval('162994816')*sqrt(intval('11'))/(intval('18725253')*sqrt(intval('13335')));
B11(96,96) = intval('915352609')/(intval('2440854021'));
B11(97,96) = intval('169911796')*sqrt(intval('11'))/(intval('19318137')*sqrt(intval('13615')));
B11(98,96) = intval('13628888')*sqrt(intval('35'))/(intval('19620771')*sqrt(intval('4323')));
B11(95,97) = intval('457691008')/(intval('19021695')*sqrt(intval('148209')));
B11(96,97) = intval('169911796')*sqrt(intval('11'))/(intval('19318137')*sqrt(intval('13615')));
B11(97,97) = intval('953971721')/(intval('2543890965'));
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B11(98,97)   = intval('389502568')/(intval('3984681')*sqrt(intval('152877')));
B11(99,97)   = intval('99387288')/(intval('4046459')*sqrt(intval('154433')));
B11(96,98)   = intval('13628888')*sqrt(intval('35'))/(intval('19620771')*sqrt(intval('4323')));
B11(97,98)   = intval('389502568')/(intval('3984681')*sqrt(intval('152877')));
B11(98,98)   = intval('1788878517')/(intval('4770280937'));
B11(99,98)   = intval('135229468')*sqrt(intval('3'))/(intval('4108237')*sqrt(intval('52007')));
B11(100,98)  = intval('34498640')*sqrt(intval('3'))/(intval('4171279')*sqrt(intval('52531')));
B11(97,99)   = intval('99387288')/(intval('4046459')*sqrt(intval('154433')));
B11(98,99)   = intval('135229468')*sqrt(intval('3'))/(intval('4108237')*sqrt(intval('52007')));
B11(99,99)   = intval('206981333')/(intval('551943217'));
B11(100,99)  = intval('422373520')/(intval('4234321')*sqrt(intval('159197')));
B11(101,99)  = intval('107730640')*sqrt(intval('5'))/(intval('193438791')*sqrt(intval('397')));
B11(98,100)  = intval('34498640')*sqrt(intval('3'))/(intval('4171279')*sqrt(intval('52531')));
B11(99,100)  = intval('422373520')/(intval('4234321')*sqrt(intval('159197')));
B11(100,100) = intval('359084267')/(intval('957546135'));
B11(101,100) = intval('2197840396')/(intval('196333137')*sqrt(intval('2005')));
B11(102,100) = intval('186823336')/(intval('7380945')*sqrt(intval('164009')));
B11(99,101)  = intval('107730640')*sqrt(intval('5'))/(intval('193438791')*sqrt(intval('397')));
B11(100,101) = intval('2197840396')/(intval('196333137')*sqrt(intval('2005')));
B11(101,101) = intval('10087968081')/(intval('26900920189'));
B11(102,101) = intval('2286411736')/(intval('202237893')*sqrt(intval('2045')));
B11(103,101) = intval('16655512')*sqrt(intval('35'))/(intval('205248879')*sqrt(intval('59')));
B11(100,102) = intval('186823336')/(intval('7380945')*sqrt(intval('164009')));
B11(101,102) = intval('2286411736')/(intval('202237893')*sqrt(intval('2045')));
B11(102,102) = intval('388610027')/(intval('1036281015'));
B11(103,102) = intval('475526692')/(intval('4627997')*sqrt(intval('168917')));
B11(104,102) = intval('40405664')*sqrt(intval('3'))/(intval('4696223')*sqrt(intval('56851')));
B11(101,103) = intval('16655512')*sqrt(intval('35'))/(intval('205248879')*sqrt(intval('59')));
B11(102,103) = intval('475526692')/(intval('4627997')*sqrt(intval('168917')));
B11(103,103) = intval('242422613')/(intval('646452721'));
B11(104,103) = intval('164770528')*sqrt(intval('3'))/(intval('4764449')*sqrt(intval('57407')));
B11(105,103) = intval('17997408')*sqrt(intval('7'))/(intval('4834003')*sqrt(intval('24839')));
B11(102,104) = intval('40405664')*sqrt(intval('3'))/(intval('4696223')*sqrt(intval('56851')));
B11(103,104) = intval('164770528')*sqrt(intval('3'))/(intval('4764449')*sqrt(intval('57407')));
B11(104,104) = intval('2267569077')/(intval('6046781321'));
B11(105,104) = intval('513647596')/(intval('4903557')*sqrt(intval('175557')));
B11(106,104) = intval('130885832')/(intval('24872259')*sqrt(intval('7089')));
B11(103,105) = intval('17997408')*sqrt(intval('7'))/(intval('4834003')*sqrt(intval('24839')));
B11(104,105) = intval('513647596')/(intval('4903557')*sqrt(intval('175557')));
B11(105,105) = intval('1308799241')/(intval('3490091925'));
B11(106,105) = intval('2667727016')/(intval('126133665')*sqrt(intval('7157')));
B11(107,105) = intval('679658008')/(intval('25587975')*sqrt(intval('180609')));
B11(104,106) = intval('130885832')/(intval('24872259')*sqrt(intval('7089')));
B11(105,106) = intval('2667727016')/(intval('126133665')*sqrt(intval('7157')));
B11(106,106) = intval('1359255809')/(intval('3624642021'));
B11(107,106) = intval('251825356')*sqrt(intval('11'))/(intval('129746085')*sqrt(intval('663')));
B11(108,106) = intval('141121872')/(intval('26317291')*sqrt(intval('7361')));
B11(105,107) = intval('679658008')/(intval('25587975')*sqrt(intval('180609')));
B11(106,107) = intval('251825356')*sqrt(intval('11'))/(intval('129746085')*sqrt(intval('663')));
B11(107,107) = intval('12700416369')/(intval('33867408925'));
B11(108,107) = intval('17426352')*sqrt(intval('33'))/(intval('5337073')*sqrt(intval('5629')));
B11(109,107) = intval('48819792')*sqrt(intval('3'))/(intval('5412067')*sqrt(intval('62491')));
B11(106,108) = intval('141121872')/(intval('26317291')*sqrt(intval('7361')));
B11(107,108) = intval('17426352')*sqrt(intval('33'))/(intval('5337073')*sqrt(intval('5629')));
B11(108,108) = intval('292906253')/(intval('781075009'));
B11(109,108) = intval('596717884')/(intval('5487061')*sqrt(intval('189221')));
B11(110,108) = intval('21706696')/(intval('16690341')*sqrt(intval('433')));
B11(107,109) = intval('48819792')*sqrt(intval('3'))/(intval('5412067')*sqrt(intval('62491')));
B11(108,109) = intval('596717884')/(intval('5487061')*sqrt(intval('189221')));
B11(109,109) = intval('101293671')/(intval('270113627'));
B11(110,109) = intval('618971672')/(intval('118436493')*sqrt(intval('437')));
B11(111,109) = intval('52529048')*sqrt(intval('5'))/(intval('9529373')*sqrt(intval('38893')));
B11(108,110) = intval('21706696')/(intval('16690341')*sqrt(intval('433')));
B11(109,110) = intval('618971672')/(intval('118436493')*sqrt(intval('437')));
B11(110,110) = intval('14182259529')/(intval('37818969805'));
B11(111,110) = intval('3209210836')/(intval('608518533')*sqrt(intval('445')));
B11(112,110) = intval('116702144')/(intval('88119345')*sqrt(intval('449')));
B11(109,111) = intval('52529048')*sqrt(intval('5'))/(intval('9529373')*sqrt(intval('38893')));
B11(110,111) = intval('3209210836')/(intval('608518533')*sqrt(intval('445')));
B11(111,111) = intval('544588003')/(intval('1452220007'));
B11(112,111) = intval('3326703296')/(intval('29769157')*sqrt(intval('199805')));
B11(113,111) = intval('56445760')*sqrt(intval('15'))/(intval('30172351')*sqrt(intval('13439')));
B11(110,112) = intval('116702144')/(intval('88119345')*sqrt(intval('449')));
B11(111,112) = intval('3326703296')/(intval('29769157')*sqrt(intval('199805')));
B11(112,112) = intval('1693305601')/(intval('4515436805'));
B11(113,112) = intval('229826180')*sqrt(intval('3'))/(intval('6115109')*sqrt(intval('67799')));
B11(114,112) = intval('175452840')/(intval('6197191')*sqrt(intval('205193')));
B11(111,113) = intval('56445760')*sqrt(intval('15'))/(intval('30172351')*sqrt(intval('13439')));
B11(112,113) = intval('229826180')*sqrt(intval('3'))/(intval('6115109')*sqrt(intval('67799')));
B11(113,113) = intval('3158027997')/(intval('8421325913'));
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B11(114,113) = intval('714267304')/(intval('6279273')*sqrt(intval('207021')));
B11(115,113) = intval('181732568')/(intval('6362811')*sqrt(intval('208833')));
B11(112,114) = intval('175452840')/(intval('6197191')*sqrt(intval('205193')));
B11(113,114) = intval('714267304')/(intval('6279273')*sqrt(intval('207021')));
B11(114,114) = intval('363451213')/(intval('969193953'));
B11(115,114) = intval('739718548')/(intval('6446349')*sqrt(intval('210677')));
B11(116,114) = intval('188179376')*sqrt(intval('5'))/(intval('32656779')*sqrt(intval('42501')));
B11(113,115) = intval('181732568')/(intval('6362811')*sqrt(intval('208833')));
B11(114,115) = intval('739718548')/(intval('6446349')*sqrt(intval('210677')));
B11(115,115) = intval('1881722921')/(intval('5017880565'));
B11(116,115) = intval('3829219856')/(intval('33081813')*sqrt(intval('214365')));
B11(117,115) = intval('139140144')*sqrt(intval('7'))/(intval('33514255')*sqrt(intval('30887')));
B11(114,116) = intval('188179376')*sqrt(intval('5'))/(intval('32656779')*sqrt(intval('42501')));
B11(115,116) = intval('3829219856')/(intval('33081813')*sqrt(intval('214365')));
B11(116,116) = intval('17531009481')/(intval('46748926189'));
B11(117,116) = intval('1321092292')*sqrt(intval('3'))/(intval('33946697')*sqrt(intval('72695')));
B11(118,116) = intval('67195336')*sqrt(intval('15'))/(intval('34386611')*sqrt(intval('14663')));
B11(115,117) = intval('139140144')*sqrt(intval('7'))/(intval('33514255')*sqrt(intval('30887')));
B11(116,117) = intval('1321092292')*sqrt(intval('3'))/(intval('33946697')*sqrt(intval('72695')));
B11(117,117) = intval('2015786761')/(intval('5375382485'));
B11(118,117) = intval('74560424')*sqrt(intval('11'))/(intval('6965305')*sqrt(intval('20167')));
B11(119,117) = intval('29793112')*sqrt(intval('7'))/(intval('21164385')*sqrt(intval('3551')));
B11(116,118) = intval('67195336')*sqrt(intval('15'))/(intval('34386611')*sqrt(intval('14663')));
B11(117,118) = intval('74560424')*sqrt(intval('11'))/(intval('6965305')*sqrt(intval('20167')));
B11(118,118) = intval('139029551')/(intval('370742155'));
B11(119,118) = intval('77125804')*sqrt(intval('11'))/(intval('21432855')*sqrt(intval('2279')));
B11(120,118) = intval('71898848')/(intval('2411765')*sqrt(intval('227513')));
B11(117,119) = intval('29793112')*sqrt(intval('7'))/(intval('21164385')*sqrt(intval('3551')));
B11(118,119) = intval('77125804')*sqrt(intval('11'))/(intval('21432855')*sqrt(intval('2279')));
B11(119,119) = intval('3882401277')/(intval('10352979065'));
B11(120,119) = intval('877325024')/(intval('21978915')*sqrt(intval('25493')));
B11(121,119) = intval('223023328')*sqrt(intval('5'))/(intval('111282717')*sqrt(intval('5141')));
B11(118,120) = intval('71898848')/(intval('2411765')*sqrt(intval('227513')));
B11(119,120) = intval('877325024')/(intval('21978915')*sqrt(intval('25493')));
B11(120,120) = intval('743385387')/(intval('1982343895'));
B11(121,120) = intval('4535002076')/(intval('37556953')*sqrt(intval('233285')));
B11(122,120) = intval('384225336')*sqrt(intval('3'))/(intval('38027395')*sqrt(intval('78403')));
B11(119,121) = intval('223023328')*sqrt(intval('5'))/(intval('111282717')*sqrt(intval('5141')));
B11(120,121) = intval('4535002076')/(intval('37556953')*sqrt(intval('233285')));
B11(121,121) = intval('2305273609')/(intval('6147344021'));
B11(122,121) = intval('1562370552')*sqrt(intval('3'))/(intval('38497837')*sqrt(intval('79055')));
B11(123,121) = intval('238235256')*sqrt(intval('5'))/(intval('38976071')*sqrt(intval('47821')));
B11(120,122) = intval('384225336')*sqrt(intval('3'))/(intval('38027395')*sqrt(intval('78403')));
B11(121,122) = intval('1562370552')*sqrt(intval('3'))/(intval('38497837')*sqrt(intval('79055')));
B11(122,122) = intval('21440455689')/(intval('57174070285'));
B11(123,122) = intval('968603188')/(intval('7890861')*sqrt(intval('241077')));
B11(124,122) = intval('35160944')*sqrt(intval('7'))/(intval('7988079')*sqrt(intval('34719')));
B11(121,123) = intval('238235256')*sqrt(intval('5'))/(intval('38976071')*sqrt(intval('47821')));
B11(122,123) = intval('968603188')/(intval('7890861')*sqrt(intval('241077')));
B11(123,123) = intval('492237013')/(intval('1312621233'));
B11(124,123) = intval('1000555504')/(intval('8085297')*sqrt(intval('245021')));
B11(125,123) = intval('254212400')/(intval('8184099')*sqrt(intval('246993')));
B11(122,124) = intval('35160944')*sqrt(intval('7'))/(intval('7988079')*sqrt(intval('34719')));
B11(123,124) = intval('1000555504')/(intval('8085297')*sqrt(intval('245021')));
B11(124,124) = intval('508408333')/(intval('1355744577'));
B11(125,124) = intval('1033291900')/(intval('8282901')*sqrt(intval('248997')));
B11(126,124) = intval('37499400')*sqrt(intval('35'))/(intval('41916499')*sqrt(intval('7171')));
B11(123,125) = intval('254212400')/(intval('8184099')*sqrt(intval('246993')));
B11(124,125) = intval('1033291900')/(intval('8282901')*sqrt(intval('248997')));
B11(125,125) = intval('23623869009')/(intval('62996482045'));
B11(126,125) = intval('1778041832')*sqrt(intval('3'))/(intval('42418493')*sqrt(intval('84335')));
B11(127,125) = intval('451633336')*sqrt(intval('3'))/(intval('42928535')*sqrt(intval('85003')));
B11(124,126) = intval('37499400')*sqrt(intval('35'))/(intval('41916499')*sqrt(intval('7171')));
B11(125,126) = intval('1778041832')*sqrt(intval('3'))/(intval('42418493')*sqrt(intval('84335')));
B11(126,126) = intval('2709715009')/(intval('7225850021'));
B11(127,126) = intval('5505839636')/(intval('43438577')*sqrt(intval('257045')));
B11(128,126) = intval('279668224')*sqrt(intval('5'))/(intval('131870193')*sqrt(intval('5757')));
B11(125,127) = intval('451633336')*sqrt(intval('3'))/(intval('42928535')*sqrt(intval('85003')));
B11(126,127) = intval('5505839636')/(intval('43438577')*sqrt(intval('257045')));
B11(127,127) = intval('932198627')/(intval('2485843815'));
B11(128,127) = intval('1136333312')/(intval('26684931')*sqrt(intval('29013')));
B11(129,127) = intval('96187904')/(intval('3000081')*sqrt(intval('263153')));
B11(126,128) = intval('279668224')*sqrt(intval('5'))/(intval('131870193')*sqrt(intval('5757')));
B11(127,128) = intval('1136333312')/(intval('26684931')*sqrt(intval('29013')));
B11(128,128) = intval('5193988917')/(intval('13850531849'));
B11(129,128) = intval('106575844')*sqrt(intval('11'))/(intval('27316527')*sqrt(intval('2679')));
B11(130,128) = intval('297669736')/(intval('27637269')*sqrt(intval('29697')));
B11(127,129) = intval('96187904')/(intval('3000081')*sqrt(intval('263153')));
B11(128,129) = intval('106575844')*sqrt(intval('11'))/(intval('27316527')*sqrt(intval('2679')));
B11(129,129) = intval('198440551')/(intval('529170843'));
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B11(130,129) = intval('109925816')*sqrt(intval('11'))/(intval('9319337')*sqrt(intval('24487')));
B11(131,129) = intval('14618552')*sqrt(intval('21'))/(intval('47139559')*sqrt(intval('517')));
B11(128,130) = intval('297669736')/(intval('27637269')*sqrt(intval('29697')));
B11(129,130) = intval('109925816')*sqrt(intval('11'))/(intval('9319337')*sqrt(intval('24487')));
B11(130,130) = intval('3069805441')/(intval('8186087525'));
B11(131,130) = intval('2078159372')*sqrt(intval('3'))/(intval('238412165')*sqrt(intval('3647')));
B11(132,130) = intval('1582633008')/(intval('1109374525')*sqrt(intval('521')));
B11(129,131) = intval('14618552')*sqrt(intval('21'))/(intval('47139559')*sqrt(intval('517')));
B11(130,131) = intval('2078159372')*sqrt(intval('3'))/(intval('238412165')*sqrt(intval('3647')));
B11(131,131) = intval('28486567281')/(intval('75963628189'));
B11(132,131) = intval('6427412816')/(intval('5610265455')*sqrt(intval('21')));
B11(133,131) = intval('46612016')*sqrt(intval('7'))/(intval('49344591')*sqrt(intval('1599')));
B11(130,132) = intval('1582633008')/(intval('1109374525')*sqrt(intval('521')));
B11(131,132) = intval('6427412816')/(intval('5610265455')*sqrt(intval('21')));
B11(132,132) = intval('3262747841')/(intval('8700598725'));
B11(133,132) = intval('1324958236')/(intval('229559619')*sqrt(intval('533')));
B11(134,132) = intval('336265496')/(intval('232173201')*sqrt(intval('537')));
B11(131,133) = intval('46612016')*sqrt(intval('7'))/(intval('49344591')*sqrt(intval('1599')));
B11(132,133) = intval('1324958236')/(intval('229559619')*sqrt(intval('533')));
B11(133,133) = intval('672512053')/(intval('1793352849'));
B11(134,133) = intval('1365336184')/(intval('10208121')*sqrt(intval('286221')));
B11(135,133) = intval('346474152')/(intval('10323467')*sqrt(intval('288353')));
B11(132,134) = intval('336265496')/(intval('232173201')*sqrt(intval('537')));
B11(133,134) = intval('1365336184')/(intval('10208121')*sqrt(intval('286221')));
B11(134,134) = intval('6236361717')/(intval('16630182569'));
B11(135,134) = intval('468876684')*sqrt(intval('3'))/(intval('10438813')*sqrt(intval('96839')));
B11(136,134) = intval('118971168')*sqrt(intval('15'))/(intval('52779419')*sqrt(intval('19511')));
B11(133,135) = intval('346474152')/(intval('10323467')*sqrt(intval('288353')));
B11(134,135) = intval('468876684')*sqrt(intval('3'))/(intval('10438813')*sqrt(intval('96839')));
B11(135,135) = intval('3569037481')/(intval('9517368245'));
B11(136,135) = intval('7244267936')/(intval('53364773')*sqrt(intval('294845')));
B11(137,135) = intval('1837935008')/(intval('161876445')*sqrt(intval('33001')));
B11(134,136) = intval('118971168')*sqrt(intval('15'))/(intval('52779419')*sqrt(intval('19511')));
B11(135,136) = intval('7244267936')/(intval('53364773')*sqrt(intval('294845')));
B11(136,136) = intval('1225257003')/(intval('3267330007'));
B11(137,136) = intval('7460103196')/(intval('163658571')*sqrt(intval('33245')));
B11(138,136) = intval('18023720')*sqrt(intval('35'))/(intval('18385217')*sqrt(intval('8611')));
B11(135,137) = intval('1837935008')/(intval('161876445')*sqrt(intval('33001')));
B11(136,137) = intval('7460103196')/(intval('163658571')*sqrt(intval('33245')));
B11(137,137) = intval('34063926609')/(intval('90836534845'));
B11(138,137) = intval('1536145160')/(intval('33455067')*sqrt(intval('33733')));
B11(139,137) = intval('389650360')/(intval('33822033')*sqrt(intval('33977')));
B11(136,138) = intval('18023720')*sqrt(intval('35'))/(intval('18385217')*sqrt(intval('8611')));
B11(137,138) = intval('1536145160')/(intval('33455067')*sqrt(intval('33733')));
B11(138,138) = intval('259760111')/(intval('692689099'));
B11(139,138) = intval('1581241204')/(intval('11396333')*sqrt(intval('308021')));
B11(140,138) = intval('19097488')*sqrt(intval('21'))/(intval('11520431')*sqrt(intval('14773')));
B11(137,139) = intval('389650360')/(intval('33822033')*sqrt(intval('33977')));
B11(138,139) = intval('1581241204')/(intval('11396333')*sqrt(intval('308021')));
B11(139,139) = intval('802073813')/(intval('2138849713'));
B11(140,139) = intval('49312816')*sqrt(intval('33'))/(intval('11644529')*sqrt(intval('9469')));
B11(141,139) = intval('412692336')*sqrt(intval('5'))/(intval('58852079')*sqrt(intval('62941')));
B11(138,140) = intval('19097488')*sqrt(intval('21'))/(intval('11520431')*sqrt(intval('14773')));
B11(139,140) = intval('49312816')*sqrt(intval('33'))/(intval('11644529')*sqrt(intval('9469')));
B11(140,140) = intval('37141366089')/(intval('99043013485'));
B11(141,140) = intval('761092996')*sqrt(intval('11'))/(intval('59481513')*sqrt(intval('28815')));
B11(142,140) = intval('2122946008')/(intval('60119955')*sqrt(intval('319209')));
B11(139,141) = intval('412692336')*sqrt(intval('5'))/(intval('58852079')*sqrt(intval('62941')));
B11(140,141) = intval('761092996')*sqrt(intval('11'))/(intval('59481513')*sqrt(intval('28815')));
B11(141,141) = intval('4245785609')/(intval('11322024021'));
B11(142,141) = intval('8612502776')/(intval('60758397')*sqrt(intval('321485')));
B11(143,141) = intval('436741448')*sqrt(intval('5'))/(intval('61405911')*sqrt(intval('64749')));
B11(140,142) = intval('2122946008')/(intval('60119955')*sqrt(intval('319209')));
B11(141,142) = intval('8612502776')/(intval('60758397')*sqrt(intval('321485')));
B11(142,142) = intval('4367306561')/(intval('11646078885'));
B11(143,142) = intval('1771625284')/(intval('12410685')*sqrt(intval('326037')));
B11(144,142) = intval('449152704')/(intval('12542015')*sqrt(intval('328313')));
B11(141,143) = intval('436741448')*sqrt(intval('5'))/(intval('61405911')*sqrt(intval('64749')));
B11(142,143) = intval('1771625284')/(intval('12410685')*sqrt(intval('326037')));
B11(143,143) = intval('8084551677')/(intval('21558673145'));
B11(144,143) = intval('607264448')*sqrt(intval('3'))/(intval('12673345')*sqrt(intval('110207')));
B11(145,143) = intval('21991744')*sqrt(intval('21'))/(intval('12806515')*sqrt(intval('15853')));
B11(142,144) = intval('449152704')/(intval('12542015')*sqrt(intval('328313')));
B11(143,144) = intval('607264448')*sqrt(intval('3'))/(intval('12673345')*sqrt(intval('110207')));
B11(144,144) = intval('923631053')/(intval('2463001345'));
B11(145,144) = intval('1873019404')/(intval('12939685')*sqrt(intval('335237')));
B11(146,144) = intval('474766888')*sqrt(intval('5'))/(intval('196120617')*sqrt(intval('7501')));
B11(143,145) = intval('21991744')*sqrt(intval('21'))/(intval('12806515')*sqrt(intval('15853')));
B11(144,145) = intval('1873019404')/(intval('12939685')*sqrt(intval('335237')));
B11(145,145) = intval('1582518787')/(intval('4220025095'));
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B11(146,145) = intval('9626591176')/(intval('198145959')*sqrt(intval('37765')));
B11(147,145) = intval('116185048')*sqrt(intval('7'))/(intval('22244365')*sqrt(intval('48887')));
B11(144,146) = intval('474766888')*sqrt(intval('5'))/(intval('196120617')*sqrt(intval('7501')));
B11(145,146) = intval('9626591176')/(intval('198145959')*sqrt(intval('37765')));
B11(146,146) = intval('43916921481')/(intval('117111106189'));
B11(147,146) = intval('9893523556')/(intval('202252611')*sqrt(intval('38285')));
B11(148,146) = intval('501461296')*sqrt(intval('5'))/(intval('204334113')*sqrt(intval('7709')));
B11(145,147) = intval('116185048')*sqrt(intval('7'))/(intval('22244365')*sqrt(intval('48887')));
B11(146,147) = intval('9893523556')/(intval('202252611')*sqrt(intval('38285')));
B11(147,147) = intval('1671499107')/(intval('4457305255'));
B11(148,147) = intval('2033193808')/(intval('13761041')*sqrt(intval('349277')));
B11(149,147) = intval('171740976')*sqrt(intval('3'))/(intval('13901699')*sqrt(intval('117211')));
B11(146,148) = intval('501461296')*sqrt(intval('5'))/(intval('204334113')*sqrt(intval('7709')));
B11(147,148) = intval('2033193808')/(intval('13761041')*sqrt(intval('349277')));
B11(148,148) = intval('1030422413')/(intval('2747777473'));
B11(149,148) = intval('696266868')*sqrt(intval('3'))/(intval('14042357')*sqrt(intval('118007')));
B11(150,148) = intval('529265880')/(intval('14184919')*sqrt(intval('356393')));
B11(147,149) = intval('171740976')*sqrt(intval('3'))/(intval('13901699')*sqrt(intval('117211')));
B11(148,149) = intval('696266868')*sqrt(intval('3'))/(intval('14042357')*sqrt(intval('118007')));
B11(149,149) = intval('9526571997')/(intval('25404049433'));
B11(150,149) = intval('2145540280')/(intval('14327481')*sqrt(intval('358797')));
B11(151,149) = intval('543593960')*sqrt(intval('5'))/(intval('795957789')*sqrt(intval('597')));
B11(148,150) = intval('529265880')/(intval('14184919')*sqrt(intval('356393')));
B11(149,150) = intval('2145540280')/(intval('14327481')*sqrt(intval('358797')));
B11(150,150) = intval('5435819201')/(intval('14495437605'));
B11(151,150) = intval('1001558236')/(intval('73082193')*sqrt(intval('3005')));
B11(152,150) = intval('398722144')*sqrt(intval('7'))/(intval('73814235')*sqrt(intval('52287')));
B11(149,151) = intval('543593960')*sqrt(intval('5'))/(intval('795957789')*sqrt(intval('597')));
B11(150,151) = intval('1001558236')/(intval('73082193')*sqrt(intval('3005')));
B11(151,151) = intval('5581988009')/(intval('14885220021'));
B11(152,151) = intval('1028399776')/(intval('74546277')*sqrt(intval('3045')));
B11(153,151) = intval('573120864')*sqrt(intval('5'))/(intval('828168341')*sqrt(intval('613')));
B11(150,152) = intval('398722144')*sqrt(intval('7'))/(intval('73814235')*sqrt(intval('52287')));
B11(151,152) = intval('1028399776')/(intval('74546277')*sqrt(intval('3045')));
B11(152,152) = intval('51579765129')/(intval('137545298605'));
B11(153,152) = intval('774236644')*sqrt(intval('3'))/(intval('15205957')*sqrt(intval('124439')));
B11(154,152) = intval('28015592')*sqrt(intval('21'))/(intval('15356263')*sqrt(intval('17893')));
B11(151,153) = intval('573120864')*sqrt(intval('5'))/(intval('828168341')*sqrt(intval('613')));
B11(152,153) = intval('774236644')*sqrt(intval('3'))/(intval('15205957')*sqrt(intval('124439')));
B11(153,153) = intval('1176629813')/(intval('3137662801'));
B11(154,153) = intval('2384134984')/(intval('15506569')*sqrt(intval('378221')));
B11(155,153) = intval('603834616')/(intval('46976529')*sqrt(intval('42297')));
B11(152,154) = intval('28015592')*sqrt(intval('21'))/(intval('15356263')*sqrt(intval('17893')));
B11(153,154) = intval('2384134984')/(intval('15506569')*sqrt(intval('378221')));
B11(154,154) = intval('402547951')/(intval('1073455563'));
B11(155,154) = intval('2446770356')/(intval('47433351')*sqrt(intval('42573')));
B11(156,154) = intval('206548784')/(intval('133044765')*sqrt(intval('617')));
B11(153,155) = intval('603834616')/(intval('46976529')*sqrt(intval('42297')));
B11(154,155) = intval('2446770356')/(intval('47433351')*sqrt(intval('42573')));
B11(155,155) = intval('55767014769')/(intval('148711268125'));
B11(156,155) = intval('12553159216')/(intval('6044859975')*sqrt(intval('69')));
B11(157,155) = intval('3178833008')/(intval('244138125')*sqrt(intval('43401')));
B11(154,156) = intval('206548784')/(intval('133044765')*sqrt(intval('617')));
B11(155,156) = intval('12553159216')/(intval('6044859975')*sqrt(intval('69')));
B11(156,156) = intval('2119178603')/(intval('5651114007'));
B11(157,156) = intval('12878676716')/(intval('2054015425')*sqrt(intval('629')));
B11(158,156) = intval('217399784')*sqrt(intval('3'))/(intval('414759455')*sqrt(intval('211')));
B11(155,157) = intval('3178833008')/(intval('244138125')*sqrt(intval('43401')));
B11(156,157) = intval('12878676716')/(intval('2054015425')*sqrt(intval('629')));
B11(157,157) = intval('6521861641')/(intval('17391543125'));
B11(158,157) = intval('880698952')*sqrt(intval('3'))/(intval('16748633')*sqrt(intval('132719')));
B11(159,157) = intval('95564088')/(intval('16908907')*sqrt(intval('8177')));
B11(156,158) = intval('217399784')*sqrt(intval('3'))/(intval('414759455')*sqrt(intval('211')));
B11(157,158) = intval('880698952')*sqrt(intval('3'))/(intval('16748633')*sqrt(intval('132719')));
B11(158,158) = intval('12040834677')/(intval('32108732201'));
B11(159,158) = intval('2709732484')/(intval('119484267')*sqrt(intval('8229')));
B11(160,158) = intval('686018432')/(intval('17231487')*sqrt(intval('405753')));
B11(157,159) = intval('95564088')/(intval('16908907')*sqrt(intval('8177')));
B11(158,159) = intval('2709732484')/(intval('119484267')*sqrt(intval('8229')));
B11(159,159) = intval('1372009813')/(intval('3658674801'));
B11(160,159) = intval('2778658432')/(intval('121756551')*sqrt(intval('8333')));
B11(161,159) = intval('100487552')*sqrt(intval('5'))/(intval('87790719')*sqrt(intval('1677')));
B11(158,160) = intval('686018432')/(intval('17231487')*sqrt(intval('405753')));
B11(159,160) = intval('2778658432')/(intval('121756551')*sqrt(intval('8333')));
B11(160,160) = intval('7033991681')/(intval('18757219845'));
B11(161,160) = intval('14244455036')/(intval('88612473')*sqrt(intval('413445')));
B11(162,160) = intval('3605680008')/(intval('89444515')*sqrt(intval('416009')));
B11(159,161) = intval('100487552')*sqrt(intval('5'))/(intval('87790719')*sqrt(intval('1677')));
B11(160,161) = intval('14244455036')/(intval('88612473')*sqrt(intval('413445')));
B11(161,161) = intval('64900992081')/(intval('173068480189'));
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B11(162,161) = intval('442491912')*sqrt(intval('33'))/(intval('90276557')*sqrt(intval('12685')));
B11(163,161) = intval('246397320')*sqrt(intval('15'))/(intval('91118951')*sqrt(intval('28079')));
B11(160,162) = intval('3605680008')/(intval('89444515')*sqrt(intval('416009')));
B11(161,162) = intval('442491912')*sqrt(intval('33'))/(intval('90276557')*sqrt(intval('12685')));
B11(162,162) = intval('7391779201')/(intval('19711317605'));
B11(163,162) = intval('272121980')*sqrt(intval('11'))/(intval('18392269')*sqrt(intval('38527')));
B11(164,162) = intval('757584880')/(intval('55688493')*sqrt(intval('47377')));
B11(161,163) = intval('246397320')*sqrt(intval('15'))/(intval('91118951')*sqrt(intval('28079')));
B11(162,163) = intval('272121980')*sqrt(intval('11'))/(intval('18392269')*sqrt(intval('38527')));
B11(163,163) = intval('505047111')/(intval('1346785979'));
B11(164,163) = intval('3067593104')/(intval('56200179')*sqrt(intval('47669')));
B11(165,163) = intval('258772976')/(intval('6302017')*sqrt(intval('431633')));
B11(162,164) = intval('757584880')/(intval('55688493')*sqrt(intval('47377')));
B11(163,164) = intval('3067593104')/(intval('56200179')*sqrt(intval('47669')));
B11(164,164) = intval('13973481717')/(intval('37262445257'));
B11(165,164) = intval('3143217308')/(intval('57236127')*sqrt(intval('48253')));
B11(166,164) = intval('113628328')*sqrt(intval('35'))/(intval('288802137')*sqrt(intval('1387')));
B11(163,165) = intval('258772976')/(intval('6302017')*sqrt(intval('431633')));
B11(164,165) = intval('3143217308')/(intval('57236127')*sqrt(intval('48253')));
B11(165,165) = intval('2651279107')/(intval('7070045255'));
B11(166,165) = intval('16101156056')/(intval('97141213')*sqrt(intval('439565')));
B11(167,165) = intval('1358045336')*sqrt(intval('3'))/(intval('98025655')*sqrt(intval('147403')));
B11(164,166) = intval('113628328')*sqrt(intval('35'))/(intval('288802137')*sqrt(intval('1387')));
B11(165,166) = intval('16101156056')/(intval('97141213')*sqrt(intval('439565')));
B11(166,166) = intval('8148124609')/(intval('21728234021'));
B11(167,166) = intval('5497752892')*sqrt(intval('3'))/(intval('98910097')*sqrt(intval('148295')));
B11(168,166) = intval('119229984')*sqrt(intval('35'))/(intval('99805211')*sqrt(intval('12787')));
B11(165,167) = intval('1358045336')*sqrt(intval('3'))/(intval('98025655')*sqrt(intval('147403')));
B11(166,167) = intval('5497752892')*sqrt(intval('3'))/(intval('98910097')*sqrt(intval('148295')));
B11(167,167) = intval('75113547249')/(intval('200301897565'));
B11(168,167) = intval('3378495904')/(intval('20140065')*sqrt(intval('450237')));
B11(169,167) = intval('854750624')/(intval('20321235')*sqrt(intval('452913')));
B11(166,168) = intval('119229984')*sqrt(intval('35'))/(intval('99805211')*sqrt(intval('12787')));
B11(167,168) = intval('3378495904')/(intval('20140065')*sqrt(intval('450237')));
B11(168,168) = intval('1709471053')/(intval('4558569345'));
B11(169,168) = intval('3459780844')/(intval('20502405')*sqrt(intval('455621')));
B11(170,168) = intval('875253704')/(intval('20685735')*sqrt(intval('458313')));
B11(167,169) = intval('854750624')/(intval('20321235')*sqrt(intval('452913')));
B11(168,169) = intval('3459780844')/(intval('20502405')*sqrt(intval('455621')));
B11(169,169) = intval('1750476853')/(intval('4667917905'));
B11(170,169) = intval('3542523784')/(intval('20869065')*sqrt(intval('461037')));
B11(171,169) = intval('896123448')*sqrt(intval('5'))/(intval('105272839')*sqrt(intval('92749')));
B11(168,170) = intval('875253704')/(intval('20685735')*sqrt(intval('458313')));
B11(169,170) = intval('3542523784')/(intval('20869065')*sqrt(intval('461037')));
B11(170,170) = intval('80649719049')/(intval('215064989965'));
B11(171,170) = intval('6044570092')*sqrt(intval('3'))/(intval('106200353')*sqrt(intval('155495')));
B11(172,170) = intval('1528940336')*sqrt(intval('3'))/(intval('107138795')*sqrt(intval('156403')));
B11(169,171) = intval('896123448')*sqrt(intval('5'))/(intval('105272839')*sqrt(intval('92749')));
B11(170,171) = intval('6044570092')*sqrt(intval('3'))/(intval('106200353')*sqrt(intval('155495')));
B11(171,171) = intval('9173485609')/(intval('24462524021'));
B11(172,171) = intval('18562265456')/(intval('108077237')*sqrt(intval('471965')));
B11(173,171) = intval('134140048')*sqrt(intval('35'))/(intval('327080013')*sqrt(intval('1507')));
B11(170,172) = intval('1528940336')*sqrt(intval('3'))/(intval('107138795')*sqrt(intval('156403')));
B11(171,172) = intval('18562265456')/(intval('108077237')*sqrt(intval('471965')));
B11(172,172) = intval('3129881707')/(intval('8346316055'));
B11(173,172) = intval('345424948')*sqrt(intval('11'))/(intval('65985663')*sqrt(intval('4823')));
B11(174,172) = intval('320325416')/(intval('7395773')*sqrt(intval('480233')));
B11(171,173) = intval('134140048')*sqrt(intval('35'))/(intval('327080013')*sqrt(intval('1507')));
B11(172,173) = intval('345424948')*sqrt(intval('11'))/(intval('65985663')*sqrt(intval('4823')));
B11(173,173) = intval('17297284317')/(intval('46125899417'));
B11(174,173) = intval('353493064')*sqrt(intval('11'))/(intval('67138251')*sqrt(intval('4879')));
B11(175,173) = intval('140479480')*sqrt(intval('7'))/(intval('67721217')*sqrt(intval('7711')));
B11(172,174) = intval('320325416')/(intval('7395773')*sqrt(intval('480233')));
B11(173,174) = intval('353493064')*sqrt(intval('11'))/(intval('67138251')*sqrt(intval('4879')));
B11(174,174) = intval('655560111')/(intval('1748153099'));
B11(175,174) = intval('3978718660')/(intval('22768061')*sqrt(intval('488597')));
B11(176,174) = intval('335375040')*sqrt(intval('15'))/(intval('114823099')*sqrt(intval('32759')));
B11(173,175) = intval('140479480')*sqrt(intval('7'))/(intval('67721217')*sqrt(intval('7711')));
B11(174,175) = intval('3978718660')/(intval('22768061')*sqrt(intval('488597')));
B11(175,175) = intval('10061087401')/(intval('26829457205'));
B11(176,175) = intval('6784295232')*sqrt(intval('3'))/(intval('115805893')*sqrt(intval('164735')));
B11(177,175) = intval('5146435008')/(intval('116799935')*sqrt(intval('497009')));
B11(174,176) = intval('335375040')*sqrt(intval('15'))/(intval('114823099')*sqrt(intval('32759')));
B11(175,176) = intval('6784295232')*sqrt(intval('3'))/(intval('115805893')*sqrt(intval('164735')));
B11(176,176) = intval('92634339081')/(intval('247023910189'));
B11(177,176) = intval('20820085436')/(intval('117793977')*sqrt(intval('499845')));
B11(178,176) = intval('1052846504')*sqrt(intval('5'))/(intval('118799331')*sqrt(intval('100533')));
B11(175,177) = intval('5146435008')/(intval('116799935')*sqrt(intval('497009')));
B11(176,177) = intval('20820085436')/(intval('117793977')*sqrt(intval('499845')));
B11(177,177) = intval('10528297481')/(intval('28075348245'));
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B11(178,177) = intval('4259056552')/(intval('23960937')*sqrt(intval('505517')));
B11(179,177) = intval('1076808152')/(intval('24164283')*sqrt(intval('508353')));
B11(176,178) = intval('1052846504')*sqrt(intval('5'))/(intval('118799331')*sqrt(intval('100533')));
B11(177,178) = intval('4259056552')/(intval('23960937')*sqrt(intval('505517')));
B11(178,178) = intval('2153582413')/(intval('5742863841'));
B11(179,178) = intval('4355713684')/(intval('24367629')*sqrt(intval('511221')));
B11(180,178) = intval('157310928')*sqrt(intval('7'))/(intval('24573263')*sqrt(intval('73439')));
B11(177,179) = intval('1076808152')/(intval('24164283')*sqrt(intval('508353')));
B11(178,179) = intval('4355713684')/(intval('24367629')*sqrt(intval('511221')));
B11(179,179) = intval('19820868477')/(intval('52855443641'));
B11(180,179) = intval('1484668912')*sqrt(intval('3'))/(intval('24778897')*sqrt(intval('172319')));
B11(181,179) = intval('375318704')*sqrt(intval('3'))/(intval('124934159')*sqrt(intval('6931')));
B11(178,180) = intval('157310928')*sqrt(intval('7'))/(intval('24573263')*sqrt(intval('73439')));
B11(179,180) = intval('1484668912')*sqrt(intval('3'))/(intval('24778897')*sqrt(intval('172319')));
B11(180,180) = intval('11259387841')/(intval('30024918725'));
B11(181,180) = intval('22769770316')/(intval('629869165')*sqrt(intval('20909')));
B11(182,180) = intval('822251144')*sqrt(intval('7'))/(intval('3429677025')*sqrt(intval('103')));
B11(179,181) = intval('375318704')*sqrt(intval('3'))/(intval('124934159')*sqrt(intval('6931')));
B11(180,181) = intval('22769770316')/(intval('629869165')*sqrt(intval('20909')));
B11(181,181) = intval('3837113603')/(intval('10232264007'));
B11(182,181) = intval('23277870616')/(intval('17290302795')*sqrt(intval('29')));
B11(183,181) = intval('392255864')/(intval('43046397')*sqrt(intval('21257')));
B11(180,182) = intval('822251144')*sqrt(intval('7'))/(intval('3429677025')*sqrt(intval('103')));
B11(181,182) = intval('23277870616')/(intval('17290302795')*sqrt(intval('29')));
B11(182,182) = intval('105907488969')/(intval('282418907725'));
B11(183,182) = intval('4758885476')/(intval('703091151')*sqrt(intval('733')));
B11(184,182) = intval('1202808736')/(intval('708893829')*sqrt(intval('737')));
B11(181,183) = intval('392255864')/(intval('43046397')*sqrt(intval('21257')));
B11(182,183) = intval('4758885476')/(intval('703091151')*sqrt(intval('733')));
B11(183,183) = intval('801860551')/(intval('2138286843'));
B11(184,183) = intval('442173344')*sqrt(intval('11'))/(intval('26470241')*sqrt(intval('49111')));
B11(185,183) = intval('409759904')*sqrt(intval('3'))/(intval('26687507')*sqrt(intval('181051')));
B11(182,184) = intval('1202808736')/(intval('708893829')*sqrt(intval('737')));
B11(183,184) = intval('442173344')*sqrt(intval('11'))/(intval('26470241')*sqrt(intval('49111')));
B11(184,184) = intval('2458523213')/(intval('6556037761'));
B11(185,184) = intval('150625964')*sqrt(intval('33'))/(intval('26904773')*sqrt(intval('16549')));
B11(186,184) = intval('1256185224')*sqrt(intval('5'))/(intval('135622019')*sqrt(intval('109813')));
B11(183,185) = intval('409759904')*sqrt(intval('3'))/(intval('26687507')*sqrt(intval('181051')));
B11(184,185) = intval('150625964')*sqrt(intval('33'))/(intval('26904773')*sqrt(intval('16549')));
B11(185,185) = intval('113055022929')/(intval('301478963005'));
B11(186,185) = intval('25395772136')/(intval('136720173')*sqrt(intval('552045')));
B11(187,185) = intval('916807144')*sqrt(intval('7'))/(intval('137830215')*sqrt(intval('79287')));
B11(184,186) = intval('1256185224')*sqrt(intval('5'))/(intval('135622019')*sqrt(intval('109813')));
B11(185,186) = intval('25395772136')/(intval('136720173')*sqrt(intval('552045')));
B11(186,186) = intval('12835115009')/(intval('34226850021'));
B11(187,186) = intval('25947092996')/(intval('138940257')*sqrt(intval('558005')));
B11(188,186) = intval('1311318800')*sqrt(intval('5'))/(intval('140062251')*sqrt(intval('112197')));
B11(185,187) = intval('916807144')*sqrt(intval('7'))/(intval('137830215')*sqrt(intval('79287')));
B11(186,187) = intval('25947092996')/(intval('138940257')*sqrt(intval('558005')));
B11(187,187) = intval('13113001001')/(intval('34967878005'));
B11(188,187) = intval('5301468400')/(intval('28236849')*sqrt(intval('563997')));
B11(189,187) = intval('191365200')*sqrt(intval('7'))/(intval('28463651')*sqrt(intval('80999')));
B11(186,188) = intval('1311318800')*sqrt(intval('5'))/(intval('140062251')*sqrt(intval('112197')));
B11(187,188) = intval('5301468400')/(intval('28236849')*sqrt(intval('563997')));
B11(188,188) = intval('24111674997')/(intval('64297573193'));
B11(189,188) = intval('1805107668')*sqrt(intval('3'))/(intval('28690453')*sqrt(intval('190007')));
B11(190,188) = intval('456082536')*sqrt(intval('3'))/(intval('28919671')*sqrt(intval('191011')));
B11(187,189) = intval('191365200')*sqrt(intval('7'))/(intval('28463651')*sqrt(intval('80999')));
B11(188,189) = intval('1805107668')*sqrt(intval('3'))/(intval('28690453')*sqrt(intval('190007')));
B11(189,189) = intval('2736457013')/(intval('7297193233'));
B11(190,189) = intval('5531001688')/(intval('29148889')*sqrt(intval('576077')));
B11(191,189) = intval('1397397256')*sqrt(intval('5'))/(intval('440708037')*sqrt(intval('12869')));
B11(188,190) = intval('456082536')*sqrt(intval('3'))/(intval('28919671')*sqrt(intval('191011')));
B11(189,190) = intval('5531001688')/(intval('29148889')*sqrt(intval('576077')));
B11(190,190) = intval('4657926507')/(intval('12421094455'));
B11(191,190) = intval('28242619156')/(intval('444182739')*sqrt(intval('64685')));
B11(192,190) = intval('2378350336')/(intval('49743785')*sqrt(intval('585209')));
B11(189,191) = intval('1397397256')*sqrt(intval('5'))/(intval('440708037')*sqrt(intval('12869')));
B11(190,191) = intval('28242619156')/(intval('444182739')*sqrt(intval('64685')));
B11(191,191) = intval('128429162481')/(intval('342476596189'));
B11(192,191) = intval('28839544576')/(intval('451205391')*sqrt(intval('65365')));
B11(193,191) = intval('1457091328')*sqrt(intval('5'))/(intval('454753533')*sqrt(intval('13141')));
B11(190,192) = intval('2378350336')/(intval('49743785')*sqrt(intval('585209')));
B11(191,192) = intval('28839544576')/(intval('451205391')*sqrt(intval('65365')));
B11(192,192) = intval('4856905387')/(intval('12951703895'));
B11(193,192) = intval('5889176524')/(intval('30553445')*sqrt(intval('594437')));
B11(194,192) = intval('70840264')*sqrt(intval('21'))/(intval('30792455')*sqrt(intval('28453')));
B11(191,193) = intval('1457091328')*sqrt(intval('5'))/(intval('454753533')*sqrt(intval('13141')));
B11(192,193) = intval('5889176524')/(intval('30553445')*sqrt(intval('594437')));
B11(193,193) = intval('2975251253')/(intval('7933976785'));
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B11(194,193) = intval('2004115448')*sqrt(intval('3'))/(intval('31031465')*sqrt(intval('200207')));
B11(195,193) = intval('1518677784')/(intval('31272955')*sqrt(intval('603713')));
B11(192,194) = intval('70840264')*sqrt(intval('21'))/(intval('30792455')*sqrt(intval('28453')));
B11(193,194) = intval('2004115448')*sqrt(intval('3'))/(intval('31031465')*sqrt(intval('200207')));
B11(194,194) = intval('27335837877')/(intval('72895326185'));
B11(195,194) = intval('557948924')*sqrt(intval('11'))/(intval('31514445')*sqrt(intval('55167')));
B11(196,194) = intval('221456144')*sqrt(intval('35'))/(intval('158792139')*sqrt(intval('17427')));
B11(193,195) = intval('1518677784')/(intval('31272955')*sqrt(intval('603713')));
B11(194,195) = intval('557948924')*sqrt(intval('11'))/(intval('31514445')*sqrt(intval('55167')));
B11(195,195) = intval('15501726761')/(intval('41337802485'));
B11(196,195) = intval('2847487216')*sqrt(intval('11'))/(intval('160012053')*sqrt(intval('55735')));
B11(197,195) = intval('79910981008')/(intval('161244495')*sqrt(intval('616209')));
B11(194,196) = intval('221456144')*sqrt(intval('35'))/(intval('158792139')*sqrt(intval('17427')));
B11(195,196) = intval('2847487216')*sqrt(intval('11'))/(intval('160012053')*sqrt(intval('55735')));
B11(196,196) = intval('15821756609')/(intval('42191214021'));
B11(197,196) = intval('31967337356')/(intval('162476937')*sqrt(intval('619365')));
B11(198,196) = intval('1614692376')*sqrt(intval('5'))/(intval('163721971')*sqrt(intval('124501')));
B11(195,197) = intval('79910981008')/(intval('161244495')*sqrt(intval('616209')));
B11(196,197) = intval('31967337356')/(intval('162476937')*sqrt(intval('619365')));
B11(197,197) = intval('145320446289')/(intval('387519945085'));
B11(198,197) = intval('2174815016')*sqrt(intval('3'))/(intval('32993401')*sqrt(intval('208559')));
B11(199,197) = intval('549228856')*sqrt(intval('3'))/(intval('33244939')*sqrt(intval('209611')));
B11(196,198) = intval('1614692376')*sqrt(intval('5'))/(intval('163721971')*sqrt(intval('124501')));
B11(197,198) = intval('2174815016')*sqrt(intval('3'))/(intval('32993401')*sqrt(intval('208559')));
B11(198,198) = intval('3295331213')/(intval('8787521953'));
B11(199,198) = intval('6657424804')/(intval('33496477')*sqrt(intval('632021')));
B11(200,198) = intval('1681183840')/(intval('101251677')*sqrt(intval('70577')));
B11(197,199) = intval('549228856')*sqrt(intval('3'))/(intval('33244939')*sqrt(intval('209611')));
B11(198,199) = intval('6657424804')/(intval('33496477')*sqrt(intval('632021')));
B11(199,199) = intval('1120775111')/(intval('2988724219'));
B11(200,199) = intval('6792427040')/(intval('102013923')*sqrt(intval('70933')));
B11(198,200) = intval('1681183840')/(intval('101251677')*sqrt(intval('70577')));
B11(199,200) = intval('6792427040')/(intval('102013923')*sqrt(intval('70933')));
B11(200,200) = intval('154365110409')/(intval('411639011245'));
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"function generate_B12.m"
--------------------------------------------------------------------------------------
function B12 = generate_B12
B12 = intval(zeros(200,200));
B12(1,1) = intval('2')/(intval('693'));
B12(2,1) = intval('19')/(intval('3003')*sqrt(intval('5')));
B12(3,1) = intval('8')/(intval('693')*sqrt(intval('65')));
B12(4,1) = intval('8')/(intval('3003')*sqrt(intval('85')));
B12(1,2) = intval('-37')/(intval('3003')*sqrt(intval('5')));
B12(2,2) = intval('-34')/(intval('15015'));
B12(3,2) = intval('31')/(intval('19635')*sqrt(intval('13')));
B12(4,2) = intval('164')/(intval('57057')*sqrt(intval('17')));
B12(5,2) = intval('16')*sqrt(intval('7'))/(intval('138567')*sqrt(intval('3')));
B12(1,3) = intval('-4')/(intval('693')*sqrt(intval('65')));
B12(2,3) = intval('-29')/(intval('3927')*sqrt(intval('13')));
B12(3,3) = intval('-298')/(intval('223839'));
B12(4,3) = intval('1')/(intval('627')*sqrt(intval('221')));
B12(5,3) = intval('80')*sqrt(intval('7'))/(intval('81719')*sqrt(intval('39')));
B12(6,3) = intval('16')/(intval('37145')*sqrt(intval('13')));
B12(1,4) = intval('16')/(intval('1287')*sqrt(intval('85')));
B12(2,4) = intval('16')/(intval('8151')*sqrt(intval('17')));
B12(3,4) = intval('-163')/(intval('13167')*sqrt(intval('221')));
B12(4,4) = intval('-358')/(intval('437437'));
B12(5,4) = intval('11')/(intval('28405')*sqrt(intval('357')));
B12(6,4) = intval('52')/(intval('45885')*sqrt(intval('17')));
B12(7,4) = intval('88')/(intval('45885')*sqrt(intval('493')));
B12(2,5) = intval('16')*sqrt(intval('7'))/(intval('46189')*sqrt(intval('3')));
B12(3,5) = intval('164')*sqrt(intval('3'))/(intval('81719')*sqrt(intval('91')));
B12(4,5) = intval('-387')*sqrt(intval('3'))/(intval('142025')*sqrt(intval('119')));
B12(5,5) = intval('-2746')/(intval('5014575'));
B12(6,5) = intval('-317')/(intval('9694845')*sqrt(intval('21')));
B12(7,5) = intval('14696')/(intval('3048075')*sqrt(intval('609')));
B12(8,5) = intval('104')*sqrt(intval('77'))/(intval('13956975'));
B12(3,6) = intval('264')/(intval('260015')*sqrt(intval('13')));
B12(4,6) = intval('88')/(intval('82593')*sqrt(intval('17')));
B12(5,6) = intval('-3847')/(intval('3231615')*sqrt(intval('21')));
B12(6,6) = intval('-29002')/(intval('74251107'));
B12(7,6) = intval('-647')/(intval('7411635')*sqrt(intval('29')));
B12(8,6) = intval('52')/(intval('62031')*sqrt(intval('33')));
B12(9,6) = intval('416')/(intval('1335015')*sqrt(intval('37')));
B12(4,7) = intval('1144')/(intval('294975')*sqrt(intval('493')));
B12(5,7) = intval('676')*sqrt(intval('7'))/(intval('1016025')*sqrt(intval('87')));
B12(6,7) = intval('-977')/(intval('1058805')*sqrt(intval('29')));
B12(7,7) = intval('-10826')/(intval('37058175'));
B12(8,7) = intval('-347')/(intval('602175')*sqrt(intval('957')));
B12(9,7) = intval('3104')/(intval('837837')*sqrt(intval('1073')));
B12(10,7) = intval('1632')/(intval('1148147')*sqrt(intval('1189')));
B12(5,8) = intval('416')*sqrt(intval('7'))/(intval('2791395')*sqrt(intval('11')));
B12(6,8) = intval('5344')/(intval('6513255')*sqrt(intval('33')));
B12(7,8) = intval('-1349')/(intval('361305')*sqrt(intval('957')));
B12(8,8) = intval('-18514')/(intval('81727191'));
B12(9,8) = intval('-723')*sqrt(intval('3'))/(intval('3354169')*sqrt(intval('407')));
B12(10,8) = intval('4964')*sqrt(intval('3'))/(intval('4488211')*sqrt(intval('451')));
B12(11,8) = intval('2584')/(intval('5936021')*sqrt(intval('165')));
B12(6,9) = intval('544')/(intval('1038345')*sqrt(intval('37')));
B12(7,9) = intval('340')/(intval('93093')*sqrt(intval('1073')));
B12(8,9) = intval('-10457')/(intval('3354169')*sqrt(intval('1221')));
B12(9,9) = intval('-9886')/(intval('54707653'));
B12(10,9) = intval('-263')/(intval('387387')*sqrt(intval('1517')));
B12(11,9) = intval('22648')/(intval('22621053')*sqrt(intval('185')));
B12(12,9) = intval('1672')/(intval('9694737')*sqrt(intval('37')));
B12(7,10) = intval('2584')/(intval('1148147')*sqrt(intval('1189')));
B12(8,10) = intval('14744')/(intval('4488211')*sqrt(intval('1353')));
B12(9,10) = intval('-1721')/(intval('645645')*sqrt(intval('1517')));
B12(10,10) = intval('-45154')/(intval('306211815'));
B12(11,10) = intval('-4691')/(intval('20414121')*sqrt(intval('205')));
B12(12,10) = intval('7876')/(intval('20098845')*sqrt(intval('41')));
B12(13,10) = intval('4048')/(intval('3607485')*sqrt(intval('2173')));
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B12(8,11) = intval('152')*sqrt(intval('11'))/(intval('2544009')*sqrt(intval('15')));
B12(9,11) = intval('3212')/(intval('3231579')*sqrt(intval('185')));
B12(10,11) = intval('-110581')/(intval('142898847')*sqrt(intval('205')));
B12(11,11) = intval('-330002')/(intval('2691905307'));
B12(12,11) = intval('-51301')/(intval('1567812981')*sqrt(intval('5')));
B12(13,11) = intval('46736')/(intval('55555269')*sqrt(intval('265')));
B12(14,11) = intval('4784')*sqrt(intval('5'))/(intval('68475099')*sqrt(intval('57')));
B12(9,12) = intval('4048')/(intval('16157895')*sqrt(intval('37')));
B12(10,12) = intval('54832')/(intval('140691915')*sqrt(intval('41')));
B12(11,12) = intval('-153197')/(intval('1567812981')*sqrt(intval('5')));
B12(12,12) = intval('-93298')/(intval('901355895'));
B12(13,12) = intval('-1697')/(intval('17534055')*sqrt(intval('53')));
B12(14,12) = intval('3380')*sqrt(intval('19'))/(intval('192382421')*sqrt(intval('3')));
B12(15,12) = intval('1560')/(intval('11110231')*sqrt(intval('61')));
B12(10,13) = intval('23920')/(intval('15151437')*sqrt(intval('2173')));
B12(11,13) = intval('9308')*sqrt(intval('5'))/(intval('55555269')*sqrt(intval('53')));
B12(12,13) = intval('-2759')/(intval('10520433')*sqrt(intval('53')));
B12(13,13) = intval('-2250')/(intval('25408999'));
B12(14,13) = intval('-21881')/(intval('32977637')*sqrt(intval('3021')));
B12(15,13) = intval('24')/(intval('11033')*sqrt(intval('3233')));
B12(16,13) = intval('696')/(intval('752191')*sqrt(intval('3445')));
B12(11,14) = intval('104')*sqrt(intval('15'))/(intval('3260719')*sqrt(intval('19')));
B12(12,14) = intval('3048')*sqrt(intval('3'))/(intval('27483203')*sqrt(intval('19')));
B12(13,14) = intval('-2605')*sqrt(intval('3'))/(intval('4711091')*sqrt(intval('1007')));
B12(14,14) = intval('-2918')/(intval('38087973'));
B12(15,14) = intval('-103')/(intval('159159')*sqrt(intval('3477')));
B12(16,14) = intval('113332')/(intval('55701723')*sqrt(intval('3705')));
B12(17,14) = intval('57536')/(intval('197487927')*sqrt(intval('437')));
B12(12,15) = intval('2088')/(intval('11110231')*sqrt(intval('61')));
B12(13,15) = intval('1508')/(intval('695079')*sqrt(intval('3233')));
B12(14,15) = intval('-401')/(intval('265265')*sqrt(intval('3477')));
B12(15,15) = intval('-202')/(intval('3018015'));
B12(16,15) = intval('-68519')/(intval('108830043')*sqrt(intval('3965')));
B12(17,15) = intval('81344')*sqrt(intval('3'))/(intval('127701665')*sqrt(intval('1403')));
B12(18,15) = intval('371008')/(intval('448038045')*sqrt(intval('4453')));
B12(13,16) = intval('57536')/(intval('47388033')*sqrt(intval('3445')));
B12(14,16) = intval('1984')*sqrt(intval('19'))/(intval('18567241')*sqrt(intval('195')));
B12(15,16) = intval('-151007')/(intval('108830043')*sqrt(intval('3965')));
B12(16,16) = intval('-1463002')/(intval('24807521907'));
B12(17,16) = intval('-30229')*sqrt(intval('3'))/(intval('148280447')*sqrt(intval('1495')));
B12(18,16) = intval('62084')/(intval('34464465')*sqrt(intval('4745')));
B12(19,16) = intval('408')*sqrt(intval('77'))/(intval('39935015')*sqrt(intval('65')));
B12(14,17) = intval('371008')/(intval('987439635')*sqrt(intval('437')));
B12(15,17) = intval('730796')/(intval('383104995')*sqrt(intval('4209')));
B12(16,17) = intval('-570077')/(intval('444841341')*sqrt(intval('4485')));
B12(17,17) = intval('-14890')/(intval('284406759'));
B12(18,17) = intval('-673')*sqrt(intval('3'))/(intval('3401255')*sqrt(intval('1679')));
B12(19,17) = intval('11128')*sqrt(intval('21'))/(intval('137168095')*sqrt(intval('253')));
B12(20,17) = intval('5624')/(intval('67560405')*sqrt(intval('69')));
B12(15,18) = intval('1496')/(intval('1422343')*sqrt(intval('4453')));
B12(16,18) = intval('984')/(intval('547055')*sqrt(intval('4745')));
B12(17,18) = intval('-28333')/(intval('23808785')*sqrt(intval('5037')));
B12(18,18) = intval('-155702')/(intval('3327735565'));
B12(19,18) = intval('-30091')/(intval('52247835')*sqrt(intval('5621')));
B12(20,18) = intval('289636')/(intval('1613120355')*sqrt(intval('73')));
B12(21,18) = intval('146224')/(intval('204480045')*sqrt(intval('6205')));
B12(16,19) = intval('5624')*sqrt(intval('7'))/(intval('39935015')*sqrt(intval('715')));
B12(17,19) = intval('233396')/(intval('137168095')*sqrt(intval('5313')));
B12(18,19) = intval('-19337')/(intval('17415945')*sqrt(intval('5621')));
B12(19,19) = intval('-578986')/(intval('13763897055'));
B12(20,19) = intval('-22733')/(intval('366175665')*sqrt(intval('77')));
B12(21,19) = intval('118352')/(intval('77011965')*sqrt(intval('6545')));
B12(22,19) = intval('8528')*sqrt(intval('7'))/(intval('87280227')*sqrt(intval('979')));
B12(17,20) = intval('146224')/(intval('1418768505')*sqrt(intval('69')));
B12(18,20) = intval('289328')/(intval('1613120355')*sqrt(intval('73')));
B12(19,20) = intval('-8465')/(intval('73235133')*sqrt(intval('77')));
B12(20,20) = intval('-141962')/(intval('3733654155'));
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B12(21,20) = intval('-706477')/(intval('11728066581')*sqrt(intval('85')));
B12(22,20) = intval('307828')/(intval('1891071585')*sqrt(intval('89')));
B12(23,20) = intval('155144')/(intval('2130447735')*sqrt(intval('93')));
B12(18,21) = intval('8528')/(intval('9737145')*sqrt(intval('6205')));
B12(19,21) = intval('16892')*sqrt(intval('7'))/(intval('77011965')*sqrt(intval('935')));
B12(20,21) = intval('-182123')/(intval('1675438083')*sqrt(intval('85')));
B12(21,21) = intval('-4308002')/(intval('124743980907'));
B12(22,21) = intval('-96469')/(intval('183333969')*sqrt(intval('7565')));
B12(23,21) = intval('518408')/(intval('370391567')*sqrt(intval('7905')));
B12(24,21) = intval('87032')/(intval('138339019')*sqrt(intval('8245')));
B12(19,22) = intval('14104')*sqrt(intval('77'))/(intval('1309203405')*sqrt(intval('89')));
B12(20,22) = intval('2153096')/(intval('13237501095')*sqrt(intval('89')));
B12(21,22) = intval('-507719')/(intval('550001907')*sqrt(intval('7565')));
B12(22,22) = intval('-345494')/(intval('10966087405'));
B12(23,22) = intval('-211217')/(intval('413412545')*sqrt(intval('8277')));
B12(24,22) = intval('22908')/(intval('17098081')*sqrt(intval('8633')));
B12(25,22) = intval('34592')/(intval('57190133')*sqrt(intval('8989')));
B12(20,23) = intval('87032')/(intval('994208943')*sqrt(intval('93')));
B12(21,23) = intval('172684')*sqrt(intval('3'))/(intval('370391567')*sqrt(intval('2635')));
B12(22,23) = intval('-24079')*sqrt(intval('3'))/(intval('82682509')*sqrt(intval('2759')));
B12(23,23) = intval('-1236682')/(intval('42853858047'));
B12(24,23) = intval('-254545')/(intval('512885373')*sqrt(intval('9021')));
B12(25,23) = intval('732448')/(intval('570056487')*sqrt(intval('9393')));
B12(26,23) = intval('10528')*sqrt(intval('35'))/(intval('1898100171')*sqrt(intval('31')));
B12(21,24) = intval('103776')/(intval('138339019')*sqrt(intval('8245')));
B12(22,24) = intval('206048')/(intval('153882729')*sqrt(intval('8633')));
B12(23,24) = intval('-47249')*sqrt(intval('3'))/(intval('170961791')*sqrt(intval('3007')));
B12(24,24) = intval('-1464530')/(intval('55201449303'));
B12(25,24) = intval('-2897')/(intval('6006033')*sqrt(intval('9797')));
B12(26,24) = intval('8204')*sqrt(intval('35'))/(intval('232642289')*sqrt(intval('291')));
B12(27,24) = intval('61880')/(intval('110198979')*sqrt(intval('10573')));
B12(22,25) = intval('52640')/(intval('73530171')*sqrt(intval('8989')));
B12(23,25) = intval('11620')*sqrt(intval('3'))/(intval('27145547')*sqrt(intval('3131')));
B12(24,25) = intval('-165811')/(intval('210211155')*sqrt(intval('9797')));
B12(25,25) = intval('-1722458')/(intval('70380050895'));
B12(26,25) = intval('-601199')/(intval('1281775363')*sqrt(intval('10605')));
B12(27,25) = intval('1677832')/(intval('1412947305')*sqrt(intval('11009')));
B12(28,25) = intval('843336')/(intval('1555669255')*sqrt(intval('11413')));
B12(23,26) = intval('12376')*sqrt(intval('35'))/(intval('1898100171')*sqrt(intval('31')));
B12(24,26) = intval('861016')/(intval('697926867')*sqrt(intval('10185')));
B12(25,26) = intval('-2892101')/(intval('3845326089')*sqrt(intval('10605')));
B12(26,26) = intval('-10065002')/(intval('444432482307'));
B12(27,26) = intval('-707927')*sqrt(intval('3'))/(intval('4653958901')*sqrt(intval('3815')));
B12(28,26) = intval('389868')*sqrt(intval('3'))/(intval('1022296939')*sqrt(intval('3955')));
B12(29,26) = intval('9328')*sqrt(intval('21'))/(intval('1121549069')*sqrt(intval('65')));
B12(24,27) = intval('281112')/(intval('428551585')*sqrt(intval('10573')));
B12(25,27) = intval('186348')/(intval('156994145')*sqrt(intval('11009')));
B12(26,27) = intval('-3344437')/(intval('4653958901')*sqrt(intval('11445')));
B12(27,27) = intval('-779598')/(intval('37093434805'));
B12(28,27) = intval('-165643')/(intval('372878415')*sqrt(intval('12317')));
B12(29,27) = intval('193072')/(intval('524761491')*sqrt(intval('1417')));
B12(30,27) = intval('8816')/(intval('191268207')*sqrt(intval('109')));
B12(25,28) = intval('27984')/(intval('44447693')*sqrt(intval('11413')));
B12(26,28) = intval('167024')*sqrt(intval('7'))/(intval('1022296939')*sqrt(intval('1695')));
B12(27,28) = intval('-2443')/(intval('3551223')*sqrt(intval('12317')));
B12(28,28) = intval('-2702578')/(intval('138188740599'));
B12(29,28) = intval('-577897')/(intval('4006910523')*sqrt(intval('1469')));
B12(30,28) = intval('517940')/(intval('5343661323')*sqrt(intval('113')));
B12(31,28) = intval('260072')/(intval('2647760115')*sqrt(intval('565')));
B12(26,29) = intval('96976')*sqrt(intval('7'))/(intval('3364647207')*sqrt(intval('195')));
B12(27,29) = intval('1351052')/(intval('3673330437')*sqrt(intval('1417')));
B12(28,29) = intval('-881129')/(intval('4006910523')*sqrt(intval('1469')));
B12(29,29) = intval('-3107194')/(intval('170312077551'));
B12(30,29) = intval('-133669')/(intval('10461429825')*sqrt(intval('13')));
B12(31,29) = intval('1778024')/(intval('25866579585')*sqrt(intval('65')));
B12(32,29) = intval('892552')/(intval('5623169475')*sqrt(intval('1677')));
B12(27,30) = intval('260072')/(intval('4909217313')*sqrt(intval('109')));
B12(28,30) = intval('517784')/(intval('5343661323')*sqrt(intval('113')));
B12(29,30) = intval('-1004401')/(intval('52307149125')*sqrt(intval('13')));
B12(30,30) = intval('-3555586')/(intval('208429050375'));
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B12(31,30)  =  intval('-427213')/(intval('57151849755')*sqrt(intval('5')));
B12(32,30)  =  intval('10128196')/(intval('111611394125')*sqrt(intval('129')));
B12(33,30)  =  intval('242048')*sqrt(intval('7'))/(intval('40330167625')*sqrt(intval('19')));
B12(28,31)  =  intval('892552')/(intval('7943280345')*sqrt(intval('565')));
B12(29,31)  =  intval('355508')/(intval('5173315917')*sqrt(intval('65')));
B12(30,31)  =  intval('-1900247')/(intval('171455549265')*sqrt(intval('5')));
B12(31,31)  =  intval('-6751334')/(intval('422337515369'));
B12(32,31)  =  intval('-628963')/(intval('7840934915')*sqrt(intval('645')));
B12(33,31)  =  intval('128')*sqrt(intval('133'))/(intval('87993093')*sqrt(intval('5')));
B12(34,31)  =  intval('18304')/(intval('203886435')*sqrt(intval('685')));
B12(29,32)  =  intval('242048')/(intval('1338849875')*sqrt(intval('1677')));
B12(30,32)  =  intval('482176')*sqrt(intval('3'))/(intval('15944484875')*sqrt(intval('43')));
B12(31,32)  =  intval('-2148639')*sqrt(intval('3'))/(intval('54886544405')*sqrt(intval('215')));
B12(32,32)  =  intval('-241894')/(intval('16115014125'));
B12(33,32)  =  intval('-1003801')/(intval('2564177625')*sqrt(intval('17157')));
B12(34,32)  =  intval('136708')/(intval('145690209')*sqrt(intval('17673')));
B12(35,32)  =  intval('1303016')/(intval('8958227103')*sqrt(intval('2021')));
B12(30,33)  =  intval('4992')*sqrt(intval('7'))/(intval('733275775')*sqrt(intval('19')));
B12(31,33)  =  intval('765908')/(intval('3959689185')*sqrt(intval('665')));
B12(32,33)  =  intval('-96823')/(intval('170945175')*sqrt(intval('17157')));
B12(33,33)  =  intval('-5194394')/(intval('367826151951'));
B12(34,33)  =  intval('-379843')/(intval('993610503')*sqrt(intval('18221')));
B12(35,33)  =  intval('974984')/(intval('1070197557')*sqrt(intval('18753')));
B12(36,33)  =  intval('209576')*sqrt(intval('7'))/(intval('3455676081')*sqrt(intval('2755')));
B12(31,34)  =  intval('1303016')/(intval('12844845405')*sqrt(intval('685')));
B12(32,34)  =  intval('45560')/(intval('48563403')*sqrt(intval('17673')));
B12(33,34)  =  intval('-543499')/(intval('993610503')*sqrt(intval('18221')));
B12(34,34)  =  intval('-307862')/(intval('23130328221'));
B12(35,34)  =  intval('-85903')/(intval('229996767')*sqrt(intval('19317')));
B12(36,34)  =  intval('156308')/(intval('176567391')*sqrt(intval('19865')));
B12(37,34)  =  intval('78384')/(intval('189646457')*sqrt(intval('20413')));
B12(32,35)  =  intval('209576')/(intval('1279746729')*sqrt(intval('2021')));
B12(33,35)  =  intval('21988')*sqrt(intval('133'))/(intval('3210592671')*sqrt(intval('141')));
B12(34,35)  =  intval('-260647')/(intval('492850215')*sqrt(intval('19317')));
B12(35,35)  =  intval('-6564394')/(intval('522395288415'));
B12(36,35)  =  intval('-2419479')*sqrt(intval('3'))/(intval('19881710849')*sqrt(intval('6815')));
B12(37,35)  =  intval('6119632')*sqrt(intval('3'))/(intval('21325138835')*sqrt(intval('7003')));
B12(38,35)  =  intval('3068336')/(intval('22859321485')*sqrt(intval('2397')));
B12(33,36)  =  intval('26128')*sqrt(intval('7'))/(intval('383964009')*sqrt(intval('2755')));
B12(34,36)  =  intval('121552')/(intval('137330193')*sqrt(intval('19865')));
B12(35,36)  =  intval('-10176781')/(intval('19881710849')*sqrt(intval('20445')));
B12(36,36)  =  intval('-12238334')/(intval('1029930670769'));
B12(37,36)  =  intval('-2716367')/(intval('7608487887')*sqrt(intval('21605')));
B12(38,36)  =  intval('4094716')/(intval('14661495849')*sqrt(intval('2465')));
B12(39,36)  =  intval('410552')*sqrt(intval('5'))/(intval('5228925093')*sqrt(intval('4553')));
B12(34,37)  =  intval('3068336')/(intval('6637625995')*sqrt(intval('20413')));
B12(35,37)  =  intval('18355996')/(intval('21325138835')*sqrt(intval('21009')));
B12(36,37)  =  intval('-1257733')/(intval('2536162629')*sqrt(intval('21605')));
B12(37,37)  =  intval('-8188858')/(intval('727662830895'));
B12(38,37)  =  intval('-1823833')/(intval('15664755855')*sqrt(intval('2533')));
B12(39,37)  =  intval('1517720')/(intval('1859953221')*sqrt(intval('23393')));
B12(40,37)  =  intval('108680')*sqrt(intval('7'))/(intval('1986480651')*sqrt(intval('3427')));
B12(35,38)  =  intval('2052760')/(intval('13715592891')*sqrt(intval('2397')));
B12(36,38)  =  intval('818824')*sqrt(intval('5'))/(intval('14661495849')*sqrt(intval('493')));
B12(37,38)  =  intval('-502237')/(intval('3132951171')*sqrt(intval('2533')));
B12(38,38)  =  intval('-9105730')/(intval('853135013703'));
B12(39,38)  =  intval('-290663')/(intval('2550644133')*sqrt(intval('2669')));
B12(40,38)  =  intval('721292')*sqrt(intval('7'))/(intval('19046843889')*sqrt(intval('391')));
B12(41,38)  =  intval('32864')*sqrt(intval('11'))/(intval('2901174897')*sqrt(intval('255')));
B12(36,39)  =  intval('21736')*sqrt(intval('5'))/(intval('248996433')*sqrt(intval('4553')));
B12(37,39)  =  intval('216788')/(intval('265707603')*sqrt(intval('23393')));
B12(38,39)  =  intval('-2778145')/(intval('17854508931')*sqrt(intval('2669')));
B12(39,39)  =  intval('-10097482')/(intval('996137803647'));
B12(40,39)  =  intval('-50293')/(intval('150240849')*sqrt(intval('25277')));
B12(41,39)  =  intval('5584352')/(intval('7200580583')*sqrt(intval('25905')));
B12(42,39)  =  intval('932832')/(intval('33215581399')*sqrt(intval('157')));
B12(37,40)  =  intval('361504')*sqrt(intval('7'))/(intval('5959441953')*sqrt(intval('3427')));
B12(38,40)  =  intval('5048416')/(intval('19046843889')*sqrt(intval('2737')));
B12(39,40)  =  intval('-1021939')/(intval('2253612735')*sqrt(intval('25277')));
B12(40,40)  =  intval('-3722694')/(intval('386192629405'));
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B12(41,40) = intval('-12552157')/(intval('38279504029')*sqrt(intval('26565')));
B12(42,40) = intval('1140948')/(intval('19599256105')*sqrt(intval('161')));
B12(43,40) = intval('245016')*sqrt(intval('7'))/(intval('4807364705')*sqrt(intval('3979')));
B12(38,41) = intval('310944')*sqrt(intval('3'))/(intval('6769408093')*sqrt(intval('935')));
B12(39,41) = intval('1861236')*sqrt(intval('3'))/(intval('7200580583')*sqrt(intval('8635')));
B12(40,41) = intval('-5625407')*sqrt(intval('3'))/(intval('38279504029')*sqrt(intval('8855')));
B12(41,41) = intval('-61608002')/(intval('6712567040907'));
B12(42,41) = intval('-13886861')/(intval('561816206133')*sqrt(intval('165')));
B12(43,41) = intval('968776')/(intval('1311099465')*sqrt(intval('28545')));
B12(44,41) = intval('485384')/(intval('4174605045')*sqrt(intval('3245')));
B12(39,42) = intval('735048')/(intval('23725415285')*sqrt(intval('157')));
B12(40,42) = intval('1466776')*sqrt(intval('7'))/(intval('176393304945')*sqrt(intval('23')));
B12(41,42) = intval('-882737')/(intval('26753152673')*sqrt(intval('165')));
B12(42,42) = intval('-2712442')/(intval('310032354555'));
B12(43,42) = intval('-40867')/(intval('1686547863')*sqrt(intval('173')));
B12(44,42) = intval('827492')*sqrt(intval('3'))/(intval('44707522405')*sqrt(intval('59')));
B12(45,42) = intval('3731024')/(intval('142153858665')*sqrt(intval('181')));
B12(40,43) = intval('485384')*sqrt(intval('7'))/(intval('8653256469')*sqrt(intval('3979')));
B12(41,43) = intval('2260252')/(intval('3059232085')*sqrt(intval('28545')));
B12(42,43) = intval('-270911')/(intval('8432739315')*sqrt(intval('173')));
B12(43,43) = intval('-14894186')/(intval('1783907671455'));
B12(44,43) = intval('-374937')*sqrt(intval('3'))/(intval('3641161615')*sqrt(intval('10207')));
B12(45,43) = intval('2720432')/(intval('3855662685')*sqrt(intval('31313')));
B12(46,43) = intval('1362768')/(intval('4081140035')*sqrt(intval('32005')));
B12(41,44) = intval('339184')*sqrt(intval('11'))/(intval('29222235315')*sqrt(intval('295')));
B12(42,44) = intval('7446736')/(intval('134122567215')*sqrt(intval('177')));
B12(43,44) = intval('-4444873')/(intval('10923484845')*sqrt(intval('30621')));
B12(44,44) = intval('-16321906')/(intval('2046311282295'));
B12(45,44) = intval('-4051')*sqrt(intval('3'))/(intval('40102265')*sqrt(intval('10679')));
B12(46,44) = intval('48772')*sqrt(intval('3'))/(intval('212051455')*sqrt(intval('10915')));
B12(47,44) = intval('212888')*sqrt(intval('7'))/(intval('41022868623')*sqrt(intval('59')));
B12(42,45) = intval('454256')/(intval('15794873185')*sqrt(intval('181')));
B12(43,45) = intval('302244')/(intval('428406965')*sqrt(intval('31313')));
B12(44,45) = intval('-970453')/(intval('2446238165')*sqrt(intval('32037')));
B12(45,45) = intval('-237998')/(intval('31201555693'));
B12(46,45) = intval('-967337')/(intval('3252671829')*sqrt(intval('33485')));
B12(47,45) = intval('6958328')*sqrt(intval('7'))/(intval('216446627265')*sqrt(intval('543')));
B12(48,45) = intval('3485144')/(intval('10882791315')*sqrt(intval('34933')));
B12(43,46) = intval('212888')/(intval('583020005')*sqrt(intval('32005')));
B12(44,46) = intval('1274936')/(intval('1847876965')*sqrt(intval('32745')));
B12(45,46) = intval('-2937229')/(intval('7589567601')*sqrt(intval('33485')));
B12(46,46) = intval('-97413002')/(intval('13341302111907'));
B12(47,46) = intval('-22220021')/(intval('228329458863')*sqrt(intval('3885')));
B12(48,46) = intval('3537596')/(intval('5353156809')*sqrt(intval('35705')));
B12(49,46) = intval('1771712')/(intval('5645679039')*sqrt(intval('36445')));
B12(44,47) = intval('3485144')*sqrt(intval('7'))/(intval('615343029345')*sqrt(intval('59')));
B12(45,47) = intval('798436')/(intval('3548305365')*sqrt(intval('3801')));
B12(46,47) = intval('-471337')/(intval('3743105883')*sqrt(intval('3885')));
B12(47,47) = intval('-21224842')/(intval('3033880378815'));
B12(48,47) = intval('-4851377')/(intval('50766536535')*sqrt(intval('4053')));
B12(49,47) = intval('11541056')/(intval('53499529941')*sqrt(intval('4137')));
B12(50,47) = intval('825664')*sqrt(intval('7'))/(intval('169081402113')*sqrt(intval('67')));
B12(45,48) = intval('1771712')/(intval('5078635947')*sqrt(intval('34933')));
B12(46,48) = intval('3537344')/(intval('5353156809')*sqrt(intval('35705')));
B12(47,48) = intval('-1248677')/(intval('10153307307')*sqrt(intval('4053')));
B12(48,48) = intval('-23081362')/(intval('3440324694807'));
B12(49,48) = intval('-587345')/(intval('2085667857')*sqrt(intval('38021')));
B12(50,48) = intval('1789844')/(intval('2822890421')*sqrt(intval('38793')));
B12(51,48) = intval('59752')*sqrt(intval('5'))/(intval('990228577')*sqrt(intval('7913')));
B12(46,49) = intval('825664')/(intval('2419576731')*sqrt(intval('36445')));
B12(47,49) = intval('1648612')*sqrt(intval('7'))/(intval('53499529941')*sqrt(intval('591')));
B12(48,49) = intval('-322261')/(intval('893857653')*sqrt(intval('38021')));
B12(49,49) = intval('-8352350')/(intval('1297053666181'));
B12(50,49) = intval('-1149877')/(intval('4155598993')*sqrt(intval('39597')));
B12(51,49) = intval('100584')*sqrt(intval('5'))/(intval('809273101')*sqrt(intval('8077')));
B12(52,49) = intval('68680')*sqrt(intval('11'))/(intval('2552322857')*sqrt(intval('3743')));
B12(47,50) = intval('298760')*sqrt(intval('7'))/(intval('56360467371')*sqrt(intval('67')));
B12(48,50) = intval('4176040')*sqrt(intval('3'))/(intval('19760232947')*sqrt(intval('12931')));
B12(49,50) = intval('-2441291')*sqrt(intval('3'))/(intval('20777994965')*sqrt(intval('13199')));
B12(50,50) = intval('-27156898')/(intval('4390185785895'));
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B12(51,50) = intval('-31212197')/(intval('114765331989')*sqrt(intval('41205')));
B12(52,50) = intval('3866684')*sqrt(intval('19'))/(intval('120568684215')*sqrt(intval('2211')));
B12(53,50) = intval('36785008')/(intval('379882236195')*sqrt(intval('4757')));
B12(48,51) = intval('453288')*sqrt(intval('5'))/(intval('6931600039')*sqrt(intval('7913')));
B12(49,51) = intval('4526012')/(intval('7283457909')*sqrt(intval('40385')));
B12(50,51) = intval('-4396589')*sqrt(intval('3'))/(intval('38255110663')*sqrt(intval('13735')));
B12(51,51) = intval('-7733158')/(intval('1300377369753'));
B12(52,51) = intval('-11277527')/(intval('42177612267')*sqrt(intval('42845')));
B12(53,51) = intval('278512')/(intval('465980207')*sqrt(intval('43665')));
B12(54,51) = intval('1135472')*sqrt(intval('7'))/(intval('27869289129')*sqrt(intval('6355')));
B12(49,52) = intval('36785008')/(intval('114854528565')*sqrt(intval('41173')));
B12(50,52) = intval('8162544')*sqrt(intval('3'))/(intval('40189561405')*sqrt(intval('14003')));
B12(51,52) = intval('-14231279')/(intval('42177612267')*sqrt(intval('42845')));
B12(52,52) = intval('-31749554')/(intval('5549188837815'));
B12(53,52) = intval('-348709')/(intval('1326155045')*sqrt(intval('44517')));
B12(54,52) = intval('815564')*sqrt(intval('7'))/(intval('9734249313')*sqrt(intval('6479')));
B12(55,52) = intval('408312')/(intval('1457786129')*sqrt(intval('46189')));
B12(50,53) = intval('1135472')/(intval('10853778177')*sqrt(intval('4757')));
B12(51,53) = intval('119356')/(intval('199705803')*sqrt(intval('43665')));
B12(52,53) = intval('-1839989')/(intval('5569851189')*sqrt(intval('44517')));
B12(53,53) = intval('-1802782')/(intval('327262719861'));
B12(54,53) = intval('-2637619')*sqrt(intval('3'))/(intval('30592314181')*sqrt(intval('15407')));
B12(55,53) = intval('6150360')*sqrt(intval('3'))/(intval('32050762639')*sqrt(intval('15691')));
B12(56,53) = intval('1026344')*sqrt(intval('3'))/(intval('167848780645')*sqrt(intval('71')));
B12(51,54) = intval('136104')*sqrt(intval('7'))/(intval('3096587681')*sqrt(intval('6355')));
B12(52,54) = intval('33384')*sqrt(intval('19'))/(intval('1081583257')*sqrt(intval('2387')));
B12(53,54) = intval('-9898769')/(intval('30592314181')*sqrt(intval('46221')));
B12(54,54) = intval('-12300438')/(intval('2317550767597'));
B12(55,54) = intval('-569183')/(intval('2236490415')*sqrt(intval('47957')));
B12(56,54) = intval('19850644')/(intval('526751242485')*sqrt(intval('217')));
B12(57,54) = intval('1419616')*sqrt(intval('7'))/(intval('36750086685')*sqrt(intval('7099')));
B12(52,55) = intval('279912')*sqrt(intval('11'))/(intval('10204502903')*sqrt(intval('4199')));
B12(53,55) = intval('18450212')/(intval('32050762639')*sqrt(intval('47073')));
B12(54,55) = intval('-1181849')/(intval('3727484025')*sqrt(intval('47957')));
B12(55,55) = intval('-39700426')/(intval('7758259250175'));
B12(56,55) = intval('-45994517')/(intval('2754482741535')*sqrt(intval('221')));
B12(57,55) = intval('5078176')/(intval('9145949175')*sqrt(intval('50609')));
B12(58,55) = intval('2542048')/(intval('9563572425')*sqrt(intval('51493')));
B12(53,56) = intval('1419616')/(intval('71935191705')*sqrt(intval('213')));
B12(54,56) = intval('567136')*sqrt(intval('7'))/(intval('105350248497')*sqrt(intval('31')));
B12(55,56) = intval('-8153563')/(intval('393497534505')*sqrt(intval('221')));
B12(56,56) = intval('-213279002')/(intval('43200951901107'));
B12(57,56) = intval('-49488541')/(intval('3010654361715')*sqrt(intval('229')));
B12(58,56) = intval('4577404')/(intval('125856613113')*sqrt(intval('233')));
B12(59,56) = intval('11456392')/(intval('657502037115')*sqrt(intval('237')));
B12(54,57) = intval('2542048')*sqrt(intval('7'))/(intval('61250144475')*sqrt(intval('7099')));
B12(55,57) = intval('35545732')/(intval('64021644225')*sqrt(intval('50609')));
B12(56,57) = intval('-61176317')/(intval('3010654361715')*sqrt(intval('229')));
B12(57,57) = intval('-45773146')/(intval('9604123642575'));
B12(58,57) = intval('-1181729')/(intval('4867464525')*sqrt(intval('53357')));
B12(59,57) = intval('24529592')/(intval('45747594431')*sqrt(intval('54273')));
B12(60,57) = intval('4092712')/(intval('15920968987')*sqrt(intval('55189')));
B12(55,58) = intval('11456392')/(intval('40167004185')*sqrt(intval('51493')));
B12(56,58) = intval('22886104')/(intval('629283065565')*sqrt(intval('233')));
B12(57,58) = intval('-873263')/(intval('2920478715')*sqrt(intval('53357')));
B12(58,58) = intval('-16352758')/(intval('3552016012237'));
B12(59,58) = intval('-11413889')/(intval('47735228849')*sqrt(intval('55221')));
B12(60,58) = intval('972556')/(intval('1844919153')*sqrt(intval('56153')));
B12(61,58) = intval('208624')/(intval('5774357349')*sqrt(intval('1165')));
B12(56,59) = intval('4092712')/(intval('219167345705')*sqrt(intval('237')));
B12(57,59) = intval('8176220')*sqrt(intval('3'))/(intval('45747594431')*sqrt(intval('18091')));
B12(58,59) = intval('-4669179')*sqrt(intval('3'))/(intval('47735228849')*sqrt(intval('18407')));
B12(59,59) = intval('-52517098')/(intval('11802274769439'));
B12(60,59) = intval('-349547')/(intval('1484002863')*sqrt(intval('57117')));
B12(61,59) = intval('4011184')/(intval('54162010071')*sqrt(intval('1185')));
B12(62,59) = intval('2007632')/(intval('24200047053')*sqrt(intval('6557')));
B12(57,60) = intval('625872')/(intval('2274424141')*sqrt(intval('55189')));
B12(58,60) = intval('1250384')/(intval('2372038911')*sqrt(intval('56153')));
B12(59,60) = intval('-4987523')/(intval('17313366735')*sqrt(intval('57117')));
B12(60,60) = intval('-56155634')/(intval('13049448609015'));
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B12(61,60) = intval('-21829679')/(intval('658422027081')*sqrt(intval('1205')));
B12(62,60) = intval('49984132')/(intval('98016327045')*sqrt(intval('60009')));
B12(63,60) = intval('6822728')*sqrt(intval('11'))/(intval('306352285785')*sqrt(intval('5543')));
B12(58,61) = intval('2007632')/(intval('51969216141')*sqrt(intval('1165')));
B12(59,61) = intval('9359108')/(intval('126378023499')*sqrt(intval('1185')));
B12(60,61) = intval('-26609327')/(intval('658422027081')*sqrt(intval('1205')));
B12(61,61) = intval('-299900002')/(intval('72022797179307'));
B12(62,61) = intval('-23343967')/(intval('714447042309')*sqrt(intval('1245')));
B12(63,61) = intval('10666232')/(intval('148799681667')*sqrt(intval('1265')));
B12(64,61) = intval('152520')*sqrt(intval('5'))/(intval('22131875051')*sqrt(intval('257')));
B12(59,62) = intval('75050008')/(intval('847001646855')*sqrt(intval('6557')));
B12(60,62) = intval('149947496')/(intval('294048981135')*sqrt(intval('60009')));
B12(61,62) = intval('-85090997')/(intval('2143341126927')*sqrt(intval('1245')));
B12(62,62) = intval('-63996418')/(intval('15874953989895'));
B12(63,62) = intval('-4987131')*sqrt(intval('3'))/(intval('66361898785')*sqrt(intval('20999')));
B12(64,62) = intval('1624100')*sqrt(intval('3'))/(intval('9866016589')*sqrt(intval('21331')));
B12(65,62) = intval('812800')/(intval('10265450459')*sqrt(intval('7221')));
B12(60,63) = intval('254200')/(intval('972546939')*sqrt(intval('60973')));
B12(61,63) = intval('33860')*sqrt(intval('5'))/(intval('2361899709')*sqrt(intval('253')));
B12(62,63) = intval('-517771')/(intval('1896054251')*sqrt(intval('62997')));
B12(63,63) = intval('-22737070')/(intval('5822782604821'));
B12(64,63) = intval('-5321467')/(intval('23940929439')*sqrt(intval('65021')));
B12(65,63) = intval('36315904')/(intval('224095189269')*sqrt(intval('7337')));
B12(66,63) = intval('18174208')/(intval('776744281537')*sqrt(intval('67045')));
B12(61,64) = intval('162560')*sqrt(intval('5'))/(intval('22131875051')*sqrt(intval('257')));
B12(62,64) = intval('34105088')/(intval('69062116123')*sqrt(intval('63993')));
B12(63,64) = intval('-2142065')/(intval('7980309813')*sqrt(intval('65021')));
B12(64,64) = intval('-72630802')/(intval('19192837396887'));
B12(65,64) = intval('-3403397')/(intval('46582423503')*sqrt(intval('7453')));
B12(66,64) = intval('12877124')/(intval('26898926481')*sqrt(intval('68105')));
B12(67,64) = intval('6444152')/(intval('27953786343')*sqrt(intval('69133')));
B12(62,65) = intval('18174208')/(intval('215574459639')*sqrt(intval('7221')));
B12(63,65) = intval('36314876')/(intval('224095189269')*sqrt(intval('7337')));
B12(64,65) = intval('-20489657')/(intval('232912117515')*sqrt(intval('7453')));
B12(65,65) = intval('-77261722')/(intval('21056912505615'));
B12(66,65) = intval('-90603757')/(intval('1257338393787')*sqrt(intval('7685')));
B12(67,65) = intval('205279096')/(intval('1306116568785')*sqrt(intval('7801')));
B12(68,65) = intval('14675144')*sqrt(intval('7'))/(intval('1356545779935')*sqrt(intval('1131')));
B12(63,66) = intval('585832')*sqrt(intval('11'))/(intval('25891476051')*sqrt(intval('6095')));
B12(64,66) = intval('12876776')/(intval('26898926481')*sqrt(intval('68105')));
B12(65,66) = intval('-108784421')/(intval('1257338393787')*sqrt(intval('7685')));
B12(66,66) = intval('-410553002')/(intval('115347343619907'));
B12(67,66) = intval('-1529947')/(intval('7174268907')*sqrt(intval('71285')));
B12(68,66) = intval('6227516')*sqrt(intval('7'))/(intval('93849079115')*sqrt(intval('10335')));
B12(69,66) = intval('1038768')/(intval('4638927865')*sqrt(intval('73405')));
B12(64,67) = intval('14675144')/(intval('59900970735')*sqrt(intval('69133')));
B12(65,67) = intval('29324828')/(intval('186588081255')*sqrt(intval('7801')));
B12(66,67) = intval('-143011')*sqrt(intval('269'))/(intval('150659647047')*sqrt(intval('265')));
B12(67,67) = intval('-5812278')/(intval('1682654678705'));
B12(68,67) = intval('-15233')*sqrt(intval('269'))/(intval('19475007145')*sqrt(intval('273')));
B12(69,67) = intval('1712784')/(intval('3742183445')*sqrt(intval('74513')));
B12(70,67) = intval('2571216')/(intval('11647020385')*sqrt(intval('75589')));
B12(65,68) = intval('346256')*sqrt(intval('21'))/(intval('90436385329')*sqrt(intval('377')));
B12(66,68) = intval('14530512')*sqrt(intval('3'))/(intval('93849079115')*sqrt(intval('24115')));
B12(67,68) = intval('-1631111')*sqrt(intval('3'))/(intval('19475007145')*sqrt(intval('24479')));
B12(68,68) = intval('-92489266')/(intval('27577712476215'));
B12(69,68) = intval('-21755593')/(intval('104778826185')*sqrt(intval('75621')));
B12(70,68) = intval('49016956')/(intval('108662860515')*sqrt(intval('76713')));
B12(71,68) = intval('3503912')*sqrt(intval('7'))/(intval('338017680495')*sqrt(intval('1235')));
B12(66,69) = intval('7713648')/(intval('32472495055')*sqrt(intval('73405')));
B12(67,69) = intval('15414692')/(intval('33679651005')*sqrt(intval('74513')));
B12(68,69) = intval('-8637571')/(intval('34926275395')*sqrt(intval('75621')));
B12(69,69) = intval('-98032826')/(intval('30093335807535'));
B12(70,69) = intval('-1538711')/(intval('7508415915')*sqrt(intval('77837')));
B12(71,69) = intval('43368')*sqrt(intval('57'))/(intval('5559055315')*sqrt(intval('1385')));
B12(72,69) = intval('3710744')/(intval('293821341831')*sqrt(intval('277')));
B12(67,70) = intval('3503912')/(intval('14974740495')*sqrt(intval('75589')));
B12(68,70) = intval('2334088')*sqrt(intval('7'))/(intval('36220953505')*sqrt(intval('10959')));
B12(69,70) = intval('-261161')/(intval('1072630845')*sqrt(intval('77837')));
B12(70,70) = intval('-1092862')/(intval('345235139865'));
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B12(71,70) = intval('-13591853')*sqrt(intval('3'))/(intval('201561526103')*sqrt(intval('26695')));
B12(72,70) = intval('4818628')/(intval('186837133455')*sqrt(intval('281')));
B12(73,70) = intval('45810336')/(intval('216302487835')*sqrt(intval('82333')));
B12(68,71) = intval('3710744')*sqrt(intval('7'))/(intval('338017680495')*sqrt(intval('1235')));
B12(69,71) = intval('51910372')/(intval('116740161615')*sqrt(intval('78945')));
B12(70,71) = intval('-144980261')/(intval('604684578309')*sqrt(intval('80085')));
B12(71,71) = intval('-549318002')/(intval('178504197302907'));
B12(72,71) = intval('-43185607')*sqrt(intval('3'))/(intval('11027141009857')*sqrt(intval('95')));
B12(73,71) = intval('19361056')*sqrt(intval('3'))/(intval('134335229287')*sqrt(intval('27835')));
B12(74,71) = intval('880672')*sqrt(intval('11'))/(intval('417246171531')*sqrt(intval('95')));
B12(69,72) = intval('15270112')/(intval('1142638551565')*sqrt(intval('277')));
B12(70,72) = intval('535392')/(intval('20759681495')*sqrt(intval('281')));
B12(71,72) = intval('-153184957')/(intval('11027141009857')*sqrt(intval('285')));
B12(72,72) = intval('-2037986')/(intval('680972702095'));
B12(73,72) = intval('-9140179')/(intval('787833817155')*sqrt(intval('293')));
B12(74,72) = intval('61367596')/(intval('7338623840457')*sqrt(intval('33')));
B12(75,72) = intval('4386424')*sqrt(intval('7'))/(intval('2531441673189')*sqrt(intval('43')));
B12(70,73) = intval('9687392')/(intval('43260497567')*sqrt(intval('82333')));
B12(71,73) = intval('3056948')*sqrt(intval('19'))/(intval('134335229287')*sqrt(intval('4395')));
B12(72,73) = intval('-718813')/(intval('52522254477')*sqrt(intval('293')));
B12(73,73) = intval('-2080238')/(intval('714461961213'));
B12(74,73) = intval('-70205')/(intval('1081260843')*sqrt(intval('9669')));
B12(75,73) = intval('3085208')*sqrt(intval('7'))/(intval('51330176469')*sqrt(intval('12599')));
B12(76,73) = intval('308728')*sqrt(intval('5'))/(intval('7584871437')*sqrt(intval('17873')));
B12(71,74) = intval('4386424')/(intval('178819787799')*sqrt(intval('1045')));
B12(72,74) = intval('8766632')/(intval('1048374834351')*sqrt(intval('33')));
B12(73,74) = intval('-578419')/(intval('7568825901')*sqrt(intval('9669')));
B12(74,74) = intval('-2196230')/(intval('775032058437'));
B12(75,74) = intval('-6127117')/(intval('95535170679')*sqrt(intval('9933')));
B12(76,74) = intval('13670452')*sqrt(intval('5'))/(intval('493936021761')*sqrt(intval('2013')));
B12(77,74) = intval('34198480')/(intval('1532038847157')*sqrt(intval('1133')));
B12(72,75) = intval('1543640')*sqrt(intval('7'))/(intval('843813891063')*sqrt(intval('43')));
B12(73,75) = intval('21596060')/(intval('51330176469')*sqrt(intval('88193')));
B12(74,75) = intval('-35979313')/(intval('477675853395')*sqrt(intval('9933')));
B12(75,75) = intval('-136703338')/(intval('49549495604895'));
B12(76,75) = intval('-17969533')/(intval('94537335321')*sqrt(intval('91805')));
B12(77,75) = intval('360300496')/(intval('879409526515')*sqrt(intval('93009')));
B12(78,75) = intval('8584048')*sqrt(intval('7'))/(intval('302940405455')*sqrt(intval('13459')));
B12(73,76) = intval('6839696')*sqrt(intval('5'))/(intval('159282300177')*sqrt(intval('17873')));
B12(74,76) = intval('68351056')/(intval('493936021761')*sqrt(intval('10065')));
B12(75,76) = intval('-63177167')/(intval('283612005963')*sqrt(intval('91805')));
B12(76,76) = intval('-240198334')/(intval('89391257542769'));
B12(77,76) = intval('-170626381')/(intval('908512634701')*sqrt(intval('94245')));
B12(78,76) = intval('401676')/(intval('993247231')*sqrt(intval('95465')));
B12(79,76) = intval('602888')/(intval('3078083003')*sqrt(intval('96685')));
B12(74,77) = intval('780368')*sqrt(intval('11'))/(intval('364771154085')*sqrt(intval('103')));
B12(75,77) = intval('17156876')*sqrt(intval('21'))/(intval('879409526515')*sqrt(intval('4429')));
B12(76,77) = intval('-9502297')*sqrt(intval('3'))/(intval('129787519243')*sqrt(intval('31415')));
B12(77,77) = intval('-151832314')/(intval('57996911215215'));
B12(78,77) = intval('-35977849')/(intval('193855068645')*sqrt(intval('96717')));
B12(79,77) = intval('79926184')/(intval('200194932399')*sqrt(intval('97953')));
B12(80,77) = intval('39987272')/(intval('620147819907')*sqrt(intval('11021')));
B12(75,78) = intval('1808664')*sqrt(intval('7'))/(intval('60588081091')*sqrt(intval('13459')));
B12(76,78) = intval('25305176')/(intval('62574575553')*sqrt(intval('95465')));
B12(77,78) = intval('-933141')*sqrt(intval('3'))/(intval('12923671243')*sqrt(intval('32239')));
B12(78,78) = intval('-159851138')/(intval('62650780234119'));
B12(79,78) = intval('-12634939')/(intval('68883090507')*sqrt(intval('99221')));
B12(80,78) = intval('28030780')/(intval('71106761033')*sqrt(intval('100473')));
B12(81,78) = intval('42070976')/(intval('1100897280945')*sqrt(intval('4069')));
B12(76,79) = intval('39987272')/(intval('193919229189')*sqrt(intval('96685')));
B12(77,79) = intval('8880548')*sqrt(intval('3'))/(intval('66731644133')*sqrt(intval('32651')));
B12(78,79) = intval('-14717803')/(intval('68883090507')*sqrt(intval('99221')));
B12(79,79) = intval('-168183434')/(intval('67611762788031'));
B12(80,79) = intval('-2660543')/(intval('14674014355')*sqrt(intval('101757')));
B12(81,79) = intval('29473088')/(intval('378541967265')*sqrt(intval('4121')));
B12(82,79) = intval('2106432')*sqrt(intval('7'))/(intval('78111834515')*sqrt(intval('14899')));
B12(77,80) = intval('42070976')/(intval('620147819907')*sqrt(intval('11021')));
B12(78,80) = intval('84091072')/(intval('213320283099')*sqrt(intval('100473')));
B12(79,80) = intval('-46397881')/(intval('220110215325')*sqrt(intval('101757')));
B12(80,80) = intval('-176837266')/(intval('72895862013975'));
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B12(81,80) = intval('-9997577')*sqrt(intval('3'))/(intval('836655803335')*sqrt(intval('1391')));
B12(82,80) = intval('22121676')*sqrt(intval('21'))/(intval('1208178374975')*sqrt(intval('5029')));
B12(83,80) = intval('3689016')*sqrt(intval('3'))/(intval('178007472175')*sqrt(intval('3959')));
B12(78,81) = intval('702144')/(intval('17474560015')*sqrt(intval('4069')));
B12(79,81) = intval('93564')/(intval('1201720531')*sqrt(intval('4121')));
B12(80,81) = intval('-243634141')/(intval('5856590623345')*sqrt(intval('4173')));
B12(81,81) = intval('-309701334')/(intval('130866164105369'));
B12(82,81) = intval('-73586447')/(intval('2076132321135')*sqrt(intval('4277')));
B12(83,81) = intval('19514360')/(intval('770635425693')*sqrt(intval('481')));
B12(84,81) = intval('48812632')/(intval('1324156846005')*sqrt(intval('4381')));
B12(79,82) = intval('11067048')*sqrt(intval('7'))/(intval('390559172575')*sqrt(intval('14899')));
B12(80,82) = intval('464548696')/(intval('1208178374975')*sqrt(intval('105609')));
B12(81,82) = intval('-28412413')/(intval('692044107045')*sqrt(intval('4277')));
B12(82,82) = intval('-195142306')/(intval('84500525780775'));
B12(83,82) = intval('-46396321')/(intval('794262047475')*sqrt(intval('12173')));
B12(84,82) = intval('34135244')/(intval('90960318297')*sqrt(intval('110873')));
B12(85,82) = intval('221776')*sqrt(intval('77'))/(intval('93741979407')*sqrt(intval('1457')));
B12(80,83) = intval('48812632')/(intval('747631383135')*sqrt(intval('11877')));
B12(81,83) = intval('97570484')/(intval('3853177128465')*sqrt(intval('481')));
B12(82,83) = intval('-10729309')/(intval('158852409495')*sqrt(intval('12173')));
B12(83,83) = intval('-204810154')/(intval('90856246581471'));
B12(84,83) = intval('-48725249')/(intval('843437238567')*sqrt(intval('12469')));
B12(85,83) = intval('15345296')/(intval('124144783539')*sqrt(intval('12617')));
B12(86,83) = intval('7676656')/(intval('127895381229')*sqrt(intval('12765')));
B12(81,84) = intval('2439536')/(intval('63055087905')*sqrt(intval('4381')));
B12(82,84) = intval('4876400')*sqrt(intval('7'))/(intval('90960318297')*sqrt(intval('15839')));
B12(83,84) = intval('-8034511')/(intval('120491034081')*sqrt(intval('12469')));
B12(84,84) = intval('-214832818')/(intval('97605428522679'));
B12(85,84) = intval('-1136461')/(intval('6629765709')*sqrt(intval('114917')));
B12(86,84) = intval('112610108')/(intval('307277824931')*sqrt(intval('116265')));
B12(87,84) = intval('18777928')/(intval('105483432439')*sqrt(intval('117613')));
B12(82,85) = intval('7676656')*sqrt(intval('7'))/(intval('281225938221')*sqrt(intval('16027')));
B12(83,85) = intval('107415724')/(intval('869013484773')*sqrt(intval('12617')));
B12(84,85) = intval('-19643203')/(intval('99446485635')*sqrt(intval('114917')));
B12(85,85) = intval('-75072958')/(intval('34922440191205'));
B12(86,85) = intval('-268224637')/(intval('1581821106649')*sqrt(intval('117645')));
B12(87,85) = intval('21849848')/(intval('60320437905')*sqrt(intval('119009')));
B12(88,85) = intval('32791112')/(intval('186299405565')*sqrt(intval('120373')));
B12(83,86) = intval('18777928')/(intval('298422556201')*sqrt(intval('12765')));
B12(84,86) = intval('37536248')*sqrt(intval('3'))/(intval('307277824931')*sqrt(intval('38755')));
B12(85,86) = intval('-102854727')*sqrt(intval('3'))/(intval('1581821106649')*sqrt(intval('39215')));
B12(86,86) = intval('-1179885002')/(intval('561809347406307'));
B12(87,86) = intval('-281199701')/(intval('1676249035461')*sqrt(intval('120405')));
B12(88,86) = intval('123558676')/(intval('345058899003')*sqrt(intval('121785')));
B12(89,86) = intval('1765984')*sqrt(intval('35'))/(intval('1065356775639')*sqrt(intval('391')));
B12(84,87) = intval('98373336')/(intval('527417162195')*sqrt(intval('117613')));
B12(85,87) = intval('196646332')/(intval('542883941145')*sqrt(intval('119009')));
B12(86,87) = intval('-107655799')/(intval('558749678487')*sqrt(intval('120405')));
B12(87,87) = intval('-247115978')/(intval('120409736432895'));
B12(88,87) = intval('-2806093')/(intval('16906032585')*sqrt(intval('123197')));
B12(89,87) = intval('6158240')*sqrt(intval('7'))/(intval('121764750861')*sqrt(intval('17799')));
B12(90,87) = intval('9241760')/(intval('1020086832141')*sqrt(intval('349')));
B12(85,88) = intval('802720')*sqrt(intval('11'))/(intval('47905561431')*sqrt(intval('10943')));
B12(86,88) = intval('1176736')*sqrt(intval('5'))/(intval('16431376143')*sqrt(intval('24357')));
B12(87,88) = intval('-4504919')/(intval('23668445619')*sqrt(intval('123197')));
B12(88,88) = intval('-258644690')/(intval('128932313915223'));
B12(89,88) = intval('-20570387')/(intval('125242011219')*sqrt(intval('126021')));
B12(90,88) = intval('2373452')/(intval('128822654961')*sqrt(intval('353')));
B12(91,88) = intval('22558296')/(intval('132492816071')*sqrt(intval('128845')));
B12(86,89) = intval('1848352')*sqrt(intval('35'))/(intval('1065356775639')*sqrt(intval('391')));
B12(87,89) = intval('129321628')/(intval('365294252583')*sqrt(intval('124593')));
B12(88,89) = intval('-70656025')/(intval('375726033657')*sqrt(intval('126021')));
B12(89,89) = intval('-14240638')/(intval('7260618040533'));
B12(90,89) = intval('-4306119')*sqrt(intval('3'))/(intval('1510043068259')*sqrt(intval('119')));
B12(91,89) = intval('2481656')*sqrt(intval('3'))/(intval('21505910437')*sqrt(intval('43435')));
B12(92,89) = intval('3369496')*sqrt(intval('7'))/(intval('420122503889')*sqrt(intval('2091')));
B12(87,90) = intval('7519432')/(intval('793400869443')*sqrt(intval('349')));
B12(88,90) = intval('5010568')/(intval('271958938251')*sqrt(intval('353')));
B12(89,90) = intval('-73842497')/(intval('7550215341295')*sqrt(intval('357')));
B12(90,90) = intval('-94302454')/(intval('49163643149005'));
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B12(91,90)  = intval('-112620119')/(intval('13300648354917')*sqrt(intval('365')));
B12(92,90)  = intval('105593228')/(intval('17578810031145')*sqrt(intval('41')));
B12(93,90)  = intval('52820144')/(intval('6022823492565')*sqrt(intval('373')));
B12(88,91)  = intval('3369496')/(intval('18927545153')*sqrt(intval('128845')));
B12(89,91)  = intval('1063556')*sqrt(intval('7'))/(intval('21505910437')*sqrt(intval('18615')));
B12(90,91)  = intval('-6121867')/(intval('633364207377')*sqrt(intval('365')));
B12(91,91)  = intval('-77805158')/(intval('41466727224153'));
B12(92,91)  = intval('-353271461')/(intval('6655223313123')*sqrt(intval('14965')));
B12(93,91)  = intval('51473264')/(intval('151981847325')*sqrt(intval('136145')));
B12(94,91)  = intval('25747856')/(intval('156168675075')*sqrt(intval('137605')));
B12(89,92)  = intval('52820144')*sqrt(intval('7'))/(intval('6301837558335')*sqrt(intval('2091')));
B12(90,92)  = intval('38902384')/(intval('6476403695685')*sqrt(intval('41')));
B12(91,92)  = intval('-402687277')/(intval('6655223313123')*sqrt(intval('14965')));
B12(92,92)  = intval('-61767626')/(intval('33644826998475'));
B12(93,92)  = intval('-14768149')/(intval('281038259775')*sqrt(intval('15293')));
B12(94,92)  = intval('161226908')/(intval('1443607996425')*sqrt(intval('15457')));
B12(95,92)  = intval('80647864')/(intval('1482943364175')*sqrt(intval('15621')));
B12(90,93)  = intval('25747856')/(intval('2810650963197')*sqrt(intval('373')));
B12(91,93)  = intval('51472772')/(intval('151981847325')*sqrt(intval('136145')));
B12(92,93)  = intval('-16810133')/(intval('281038259775')*sqrt(intval('15293')));
B12(93,93)  = intval('-322452346')/(intval('179467952820975'));
B12(94,93)  = intval('-8570417')/(intval('54911329725')*sqrt(intval('140621')));
B12(95,93)  = intval('168256616')/(intval('507566852975')*sqrt(intval('142113')));
B12(96,93)  = intval('364344')*sqrt(intval('77'))/(intval('173749300075')*sqrt(intval('1865')));
B12(91,94)  = intval('80647864')/(intval('468506025225')*sqrt(intval('137605')));
B12(92,94)  = intval('161225416')/(intval('1443607996425')*sqrt(intval('15457')));
B12(93,94)  = intval('-29225851')/(intval('164733989175')*sqrt(intval('140621')));
B12(94,94)  = intval('-112170582')/(intval('63777054090925'));
B12(95,94)  = intval('-2301019')/(intval('14889479275')*sqrt(intval('143637')));
B12(96,94)  = intval('928644')*sqrt(intval('7'))/(intval('19817559425')*sqrt(intval('20735')));
B12(97,94)  = intval('1393536')/(intval('8719726147')*sqrt(intval('146653')));
B12(92,95)  = intval('1335928')*sqrt(intval('3'))/(intval('70616350675')*sqrt(intval('5207')));
B12(93,95)  = intval('8012148')*sqrt(intval('3'))/(intval('72509550425')*sqrt(intval('47371')));
B12(94,95)  = intval('-6094703')*sqrt(intval('3'))/(intval('104226354925')*sqrt(intval('47879')));
B12(95,95)  = intval('-70205186')/(intval('40768152700275'));
B12(96,95)  = intval('-420244277')/(intval('2746114528209')*sqrt(intval('146685')));
B12(97,95)  = intval('915015296')/(intval('2818805960355')*sqrt(intval('148209')));
B12(98,95)  = intval('457691008')/(intval('8679542363415')*sqrt(intval('16637')));
B12(93,96)  = intval('4180608')*sqrt(intval('7'))/(intval('173749300075')*sqrt(intval('20515')));
B12(94,96)  = intval('58504064')/(intval('178358034825')*sqrt(intval('145145')));
B12(95,96)  = intval('-158803487')/(intval('915371509403')*sqrt(intval('146685')));
B12(96,96)  = intval('-1830023002')/(intval('1085123149553907'));
B12(97,96)  = intval('-146126207')/(intval('964187535807')*sqrt(intval('149765')));
B12(98,96)  = intval('21192172')*sqrt(intval('3'))/(intval('197888556049')*sqrt(intval('50435')));
B12(99,96)  = intval('13628888')*sqrt(intval('7'))/(intval('609166077237')*sqrt(intval('21835')));
B12(94,97)  = intval('457691008')/(intval('2746713736305')*sqrt(intval('146653')));
B12(95,97)  = intval('305002532')/(intval('939601986785')*sqrt(intval('148209')));
B12(96,97)  = intval('-165441119')/(intval('964187535807')*sqrt(intval('149765')));
B12(97,97)  = intval('-381457562')/(intval('230911526784015'));
B12(98,97)  = intval('-10157633')*sqrt(intval('3'))/(intval('203012855815')*sqrt(intval('50959')));
B12(99,97)  = intval('9461816')/(intval('29753613027')*sqrt(intval('154433')));
B12(100,97) = intval('4732728')/(intval('30522440237')*sqrt(intval('155989')));
B12(95,98)  = intval('13628888')/(intval('247986924669')*sqrt(intval('16637')));
B12(96,98)  = intval('27246856')*sqrt(intval('7'))/(intval('593665668147')*sqrt(intval('21615')));
B12(97,98)  = intval('-2953451')/(intval('17401101927')*sqrt(intval('152877')));
B12(98,98)  = intval('-397394722')/(intval('245531130108327'));
B12(99,98)  = intval('-31760075')*sqrt(intval('3'))/(intval('640839781393')*sqrt(intval('52007')));
B12(100,98) = intval('68971276')*sqrt(intval('3'))/(intval('657280945867')*sqrt(intval('52531')));
B12(101,98) = intval('6899728')*sqrt(intval('5'))/(intval('2022273600711')*sqrt(intval('393')));
B12(96,99)  = intval('143416')*sqrt(intval('77'))/(intval('67685119693')*sqrt(intval('1985')));
B12(97,99)  = intval('7359132')/(intval('23141699021')*sqrt(intval('154433')));
B12(98,99)  = intval('-107602961')/(intval('640839781393')*sqrt(intval('156021')));
B12(99,99)  = intval('-137942030')/(intval('86971348532341'));
B12(100,99) = intval('-6617519')/(intval('44930380131')*sqrt(intval('159197')));
B12(101,99) = intval('43076336')*sqrt(intval('5'))/(intval('6219637447023')*sqrt(intval('397')));
B12(102,99) = intval('107730640')/(intval('708566291433')*sqrt(intval('162373')));
B12(97,100)  = intval('34498640')/(intval('213657081659')*sqrt(intval('155989')));
B12(98,100)  = intval('206912240')/(intval('657280945867')*sqrt(intval('157593')));
B12(99,100)  = intval('-12440417')/(intval('74883966885')*sqrt(intval('159197')));
B12(100,100) = intval('-430761778')/(intval('277091827907895'));
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B12(101,100) = intval('-516844397')/(intval('31879200454101')*sqrt(intval('2005')));
B12(102,100) = intval('373511332')/(intval('1210393789605')*sqrt(intval('164009')));
B12(103,100) = intval('26689048')*sqrt(intval('7'))/(intval('1240729473555')*sqrt(intval('23659')));
B12(98,101) = intval('21546128')*sqrt(intval('5'))/(intval('6066820802133')*sqrt(intval('393')));
B12(99,101) = intval('215380076')/(intval('6219637447023')*sqrt(intval('1985')));
B12(100,101) = intval('-582278701')/(intval('31879200454101')*sqrt(intval('2005')));
B12(101,101) = intval('-2241060002')/(intval('1470485000291307'));
B12(102,101) = intval('-76857883')/(intval('4784746310487')*sqrt(intval('2045')));
B12(103,101) = intval('33299192')*sqrt(intval('7'))/(intval('6865369753671')*sqrt(intval('295')));
B12(104,101) = intval('16655512')/(intval('1005103760463')*sqrt(intval('2085')));
B12(99,102) = intval('26689048')/(intval('168706259865')*sqrt(intval('162373')));
B12(100,102) = intval('53358376')/(intval('172913398515')*sqrt(intval('164009')));
B12(101,102) = intval('-605407637')/(intval('33493224173409')*sqrt(intval('2045')));
B12(102,102) = intval('-466187074')/(intval('311963073036615'));
B12(103,102) = intval('-12440201')/(intval('86844363705')*sqrt(intval('168917')));
B12(104,102) = intval('242349524')/(intval('800860996859')*sqrt(intval('170553')));
B12(105,102) = intval('40405664')/(intval('273512723743')*sqrt(intval('172189')));
B12(100,103) = intval('16655512')*sqrt(intval('7'))/(intval('744437684133')*sqrt(intval('23659')));
B12(101,103) = intval('233092708')/(intval('6865369753671')*sqrt(intval('2065')));
B12(102,103) = intval('-8389583')/(intval('52106618223')*sqrt(intval('168917')));
B12(103,103) = intval('-161565806')/(intval('110241521870293'));
B12(104,103) = intval('-116453777')/(intval('820385708861')*sqrt(intval('172221')));
B12(105,103) = intval('9328800')/(intval('31126145317')*sqrt(intval('173873')));
B12(106,103) = intval('1999712')*sqrt(intval('7'))/(intval('478252086805')*sqrt(intval('1003')));
B12(101,104) = intval('40405664')/(intval('2345242107747')*sqrt(intval('2085')));
B12(102,104) = intval('80782624')*sqrt(intval('3'))/(intval('800860996859')*sqrt(intval('56851')));
B12(103,104) = intval('-43581683')*sqrt(intval('3'))/(intval('820385708861')*sqrt(intval('57407')));
B12(104,104) = intval('-503753554')/(intval('350417024333271'));
B12(105,104) = intval('-24215909')/(intval('172139368485')*sqrt(intval('175557')));
B12(106,104) = intval('37383412')/(intval('629641236585')*sqrt(intval('7089')));
B12(107,104) = intval('1699816')*sqrt(intval('11'))/(intval('386887988745')*sqrt(intval('1807')));
B12(102,105) = intval('5999136')/(intval('39073246249')*sqrt(intval('172189')));
B12(103,105) = intval('11994092')*sqrt(intval('7'))/(intval('280135307853')*sqrt(intval('24839')));
B12(104,105) = intval('-2155367')*sqrt(intval('3'))/(intval('40985563925')*sqrt(intval('58519')));
B12(105,105) = intval('-523366106')/(intval('371077043741775'));
B12(106,105) = intval('-3438299')/(intval('123302894715')*sqrt(intval('7157')));
B12(107,105) = intval('7425512')/(intval('25250856925')*sqrt(intval('180609')));
B12(108,105) = intval('679658008')/(intval('4731190989525')*sqrt(intval('182293')));
B12(103,106) = intval('18697976')*sqrt(intval('7'))/(intval('4304268781245')*sqrt(intval('1003')));
B12(104,106) = intval('5815160')*sqrt(intval('3'))/(intval('293832577073')*sqrt(intval('2363')));
B12(105,106) = intval('-234959447')/(intval('7521476577615')*sqrt(intval('7157')));
B12(106,106) = intval('-2717729002')/(intval('1963711433791107'));
B12(107,106) = intval('-217905047')/(intval('7883934357635')*sqrt(intval('7293')));
B12(108,106) = intval('18810172')/(intval('322834208697')*sqrt(intval('7361')));
B12(109,106) = intval('47040624')/(intval('1652331115435')*sqrt(intval('7429')));
B12(104,107) = intval('679658008')/(intval('13541079606075')*sqrt(intval('19877')));
B12(105,107) = intval('1358860196')/(intval('4620906817275')*sqrt(intval('180609')));
B12(106,107) = intval('-731552117')/(intval('23651803072905')*sqrt(intval('7293')));
B12(107,107) = intval('-564303466')/(intval('415451505282975'));
B12(108,107) = intval('-45262027')*sqrt(intval('3'))/(intval('991227882925')*sqrt(intval('61919')));
B12(109,107) = intval('5137296')*sqrt(intval('57'))/(intval('1014508195351')*sqrt(intval('3289')));
B12(110,107) = intval('2324752')*sqrt(intval('3'))/(intval('1038267169481')*sqrt(intval('143')));
B12(105,108) = intval('15680208')/(intval('105137577545')*sqrt(intval('182293')));
B12(106,108) = intval('171312')/(intval('2940202265')*sqrt(intval('7361')));
B12(107,108) = intval('-497689')/(intval('3249927485')*sqrt(intval('185757')));
B12(108,108) = intval('-10274562')/(intval('7706044929583'));
B12(109,108) = intval('-6713029')/(intval('49432932549')*sqrt(intval('189221')));
B12(110,108) = intval('2284204')/(intval('167722993587')*sqrt(intval('433')));
B12(111,108) = intval('21706696')/(intval('155270242323')*sqrt(intval('192685')));
B12(106,109) = intval('6974256')/(intval('236047302205')*sqrt(intval('7429')));
B12(107,109) = intval('41832020')/(intval('144929742193')*sqrt(intval('187473')));
B12(108,109) = intval('-17492513')/(intval('115343509281')*sqrt(intval('189221')));
B12(109,109) = intval('-607596538')/(intval('464162446295919'));
B12(110,109) = intval('-29261669')/(intval('4564187130741')*sqrt(intval('437')));
B12(111,109) = intval('105025976')/(intval('370587786597')*sqrt(intval('194465')));
B12(112,109) = intval('52529048')/(intval('379107046059')*sqrt(intval('196213')));
B12(107,110) = intval('1973336')*sqrt(intval('11'))/(intval('3114801508443')*sqrt(intval('39')));
B12(108,110) = intval('15989336')/(intval('1174060955109')*sqrt(intval('433')));
B12(109,110) = intval('-163225649')/(intval('22820935653705')*sqrt(intval('437')));
B12(110,110) = intval('-33166006')/(intval('25802489767485'));
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B12(111,110) = intval('-758965237')/(intval('119399246915529')*sqrt(intval('445')));
B12(112,110) = intval('1633339396')/(intval('122126626980435')*sqrt(intval('449')));
B12(113,110) = intval('116702144')/(intval('17844079243155')*sqrt(intval('453')));
B12(108,111) = intval('52529048')/(intval('362297232087')*sqrt(intval('192685')));
B12(109,111) = intval('5527652')*sqrt(intval('19'))/(intval('370587786597')*sqrt(intval('10235')));
B12(110,111) = intval('-845885381')/(intval('119399246915529')*sqrt(intval('445')));
B12(111,111) = intval('-3266670002')/(intval('2587712282693307'));
B12(112,111) = intval('-87461389')/(intval('660785977929')*sqrt(intval('199805')));
B12(113,111) = intval('48367808')/(intval('173762569409')*sqrt(intval('201585')));
B12(114,111) = intval('1612736')*sqrt(intval('5'))/(intval('59228325013')*sqrt(intval('40673')));
B12(109,112) = intval('116702144')/(intval('812372241555')*sqrt(intval('196213')));
B12(110,112) = intval('233332928')/(intval('17446660997205')*sqrt(intval('449')));
B12(111,112) = intval('-41735657')/(intval('283193990541')*sqrt(intval('199805')));
B12(112,112) = intval('-225715846')/(intval('182030803919965'));
B12(113,112) = intval('-163223513')/(intval('1243599141785')*sqrt(intval('203397')));
B12(114,112) = intval('12992740')/(intval('47092454409')*sqrt(intval('205193')));
B12(115,112) = intval('19494760')/(intval('144437930637')*sqrt(intval('206989')));
B12(110,113) = intval('8063680')/(intval('1189605282877')*sqrt(intval('453')));
B12(111,113) = intval('22571524')*sqrt(intval('15'))/(intval('1216337985863')*sqrt(intval('13439')));
B12(112,113) = intval('-12104439')*sqrt(intval('3'))/(intval('248719828357')*sqrt(intval('67799')));
B12(113,113) = intval('-701606170')/(intval('575942900515983'));
B12(114,113) = intval('-169174921')/(intval('1299740438997')*sqrt(intval('207021')));
B12(115,113) = intval('363361624')/(intval('1328637653343')*sqrt(intval('208833')));
B12(116,113) = intval('181732568')/(intval('4074292404819')*sqrt(intval('23405')));
B12(111,114) = intval('11696856')*sqrt(intval('5'))/(intval('414598275091')*sqrt(intval('40673')));
B12(112,114) = intval('116934056')/(intval('423832089681')*sqrt(intval('205193')));
B12(113,114) = intval('-62670155')/(intval('433246812999')*sqrt(intval('207021')));
B12(114,114) = intval('-726721442')/(intval('607140890723367'));
B12(115,114) = intval('-11685839')/(intval('90526079007')*sqrt(intval('210677')));
B12(116,114) = intval('125417804')/(intval('462605045721')*sqrt(intval('212505')));
B12(117,114) = intval('26882768')*sqrt(intval('7'))/(intval('1418316568749')*sqrt(intval('30619')));
B12(112,115) = intval('181732568')/(intval('1299941375733')*sqrt(intval('206989')));
B12(113,115) = intval('121119932')/(intval('442879217781')*sqrt(intval('208833')));
B12(114,115) = intval('-64874779')/(intval('452630395035')*sqrt(intval('210677')));
B12(115,115) = intval('-752505002')/(intval('639734611112415'));
B12(116,115) = intval('-43229617')/(intval('337644010749')*sqrt(intval('214365')));
B12(117,115) = intval('92734576')*sqrt(intval('7'))/(intval('2415137758065')*sqrt(intval('30887')));
B12(118,115) = intval('4216368')*sqrt(intval('11'))/(intval('352536448345')*sqrt(intval('19823')));
B12(113,116) = intval('26882768')/(intval('582041772117')*sqrt(intval('23405')));
B12(114,116) = intval('53750224')/(intval('198259305309')*sqrt(intval('212505')));
B12(115,116) = intval('-1007055821')/(intval('7090524225729')*sqrt(intval('214365')));
B12(116,116) = intval('-3894843002')/(intval('33688678679957907'));
B12(117,116) = intval('-313347087')*sqrt(intval('3'))/(intval('7402179120941')*sqrt(intval('72695')));
B12(118,116) = intval('134354324')*sqrt(intval('3'))/(intval('1512495084835')*sqrt(intval('73315')));
B12(119,116) = intval('67195336')/(intval('1545162365285')*sqrt(intval('24645')));
B12(114,117) = intval('15460016')*sqrt(intval('7'))/(intval('787953649305')*sqrt(intval('30619')));
B12(115,117) = intval('72126548')/(intval('268348639785')*sqrt(intval('216209')));
B12(116,117) = intval('-1041869677')/(intval('7402179120941')*sqrt(intval('218085')));
B12(117,117) = intval('-53741606')/(intval('472287239720545'));
B12(118,117) = intval('-12974807')/(intval('102995965035')*sqrt(intval('221837')));
B12(119,117) = intval('416992648')/(intval('4734324773805')*sqrt(intval('24857')));
B12(120,117) = intval('29793112')*sqrt(intval('7'))/(intval('1611900725985')*sqrt(intval('32227')));
B12(115,118) = intval('67195336')/(intval('493551027683')*sqrt(intval('218053')));
B12(116,118) = intval('403061096')/(intval('1512495084835')*sqrt(intval('219945')));
B12(117,118) = intval('-4789237')/(intval('34331988345')*sqrt(intval('221837')));
B12(118,118) = intval('-833983426')/(intval('746391823905735'));
B12(119,118) = intval('-201408913')/(intval('4835016326595')*sqrt(intval('25069')));
B12(120,118) = intval('20537156')/(intval('78379950735')*sqrt(intval('227513')));
B12(121,118) = intval('10271264')/(intval('80044068585')*sqrt(intval('229405')));
B12(116,119) = intval('29793112')/(intval('662212442265')*sqrt(intval('24645')));
B12(117,119) = intval('59570108')*sqrt(intval('7'))/(intval('4734324773805')*sqrt(intval('3551')));
B12(118,119) = intval('-31834199')/(intval('690716618085')*sqrt(intval('25069')));
B12(119,119) = intval('-862558666')/(intval('785076755478015'));
B12(120,119) = intval('-41674333')/(intval('1008414599115')*sqrt(intval('25493')));
B12(121,119) = intval('445931936')/(intval('5148494902005')*sqrt(intval('25705')));
B12(122,119) = intval('223023328')/(intval('5256884268363')*sqrt(intval('25917')));
B12(117,120) = intval('10271264')*sqrt(intval('7'))/(intval('537300241995')*sqrt(intval('32227')));
B12(118,120) = intval('143759456')/(intval('548659655145')*sqrt(intval('227513')));
B12(119,120) = intval('-46069637')/(intval('1008414599115')*sqrt(intval('25493')));
B12(120,120) = intval('-178372394')/(intval('165083652543915'));
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B12(121,120) = intval('-119729653')/(intval('973363550901')*sqrt(intval('233285')));
B12(122,120) = intval('2304768796')/(intval('8943625002655')*sqrt(intval('235209')));
B12(123,120) = intval('384225336')/(intval('3043446504035')*sqrt(intval('237133')));
B12(118,121) = intval('20274848')*sqrt(intval('11'))/(intval('1680925440285')*sqrt(intval('20855')));
B12(119,121) = intval('445930012')/(intval('5148494902005')*sqrt(intval('25705')));
B12(120,121) = intval('-396741887')/(intval('2920090652703')*sqrt(intval('233285')));
B12(121,121) = intval('-1536509334')/(intval('1445787692954969'));
B12(122,121) = intval('-1114185421')/(intval('9129107581321')*sqrt(intval('237165')));
B12(123,121) = intval('17642664')/(intval('69026621741')*sqrt(intval('239105')));
B12(124,121) = intval('3781512')*sqrt(intval('7'))/(intval('211367233033')*sqrt(intval('34435')));
B12(119,122) = intval('128075112')*sqrt(intval('3'))/(intval('8761473780605')*sqrt(intval('8639')));
B12(120,122) = intval('768253032')*sqrt(intval('3'))/(intval('8943625002655')*sqrt(intval('78403')));
B12(121,122) = intval('-409888919')*sqrt(intval('3'))/(intval('9129107581321')*sqrt(intval('79055')));
B12(122,122) = intval('-952701922')/(intval('911297506272615'));
B12(123,122) = intval('-32906551')/(intval('271721798535')*sqrt(intval('241077')));
B12(124,122) = intval('70304668')*sqrt(intval('7'))/(intval('1941207042027')*sqrt(intval('34719')));
B12(125,122) = intval('35160944')/(intval('849028952673')*sqrt(intval('27221')));
B12(120,123) = intval('11344536')/(intval('86955614401')*sqrt(intval('237133')));
B12(121,123) = intval('22683332')/(intval('88748513667')*sqrt(intval('239105')));
B12(122,123) = intval('-16934399')/(intval('126803505983')*sqrt(intval('241077')));
B12(123,123) = intval('-984263402')/(intval('956952071085087'));
B12(124,123) = intval('-79347595')/(intval('660269608911')*sqrt(intval('245021')));
B12(125,123) = intval('56478032')*sqrt(intval('3'))/(intval('673750494109')*sqrt(intval('82331')));
B12(126,123) = intval('50842480')*sqrt(intval('5'))/(intval('2062417500297')*sqrt(intval('49793')));
B12(121,124) = intval('35160944')*sqrt(intval('7'))/(intval('19023050097297')*sqrt(intval('34435')));
B12(122,124) = intval('164043568')/(intval('647069014009')*sqrt(intval('243033')));
B12(123,124) = intval('-87432067')/(intval('660269608911')*sqrt(intval('245021')));
B12(124,124) = intval('-1016602610')/(intval('1004496916246263'));
B12(125,124) = intval('-5465133')*sqrt(intval('3'))/(intval('137476829831')*sqrt(intval('82999')));
B12(126,124) = intval('34991140')*sqrt(intval('5'))/(intval('701304944769')*sqrt(intval('50197')));
B12(127,124) = intval('12499800')*sqrt(intval('7'))/(intval('715472721431')*sqrt(intval('36139')));
B12(122,125) = intval('254212400')/(intval('5943202668711')*sqrt(intval('27221')));
B12(123,125) = intval('508300300')/(intval('2021251482327')*sqrt(intval('246993')));
B12(124,125) = intval('-270777193')/(intval('2062152447465')*sqrt(intval('248997')));
B12(125,125) = intval('-1049732218')/(intval('1053994141094895'));
B12(126,125) = intval('-423355999')*sqrt(intval('3'))/(intval('10730733429689')*sqrt(intval('84335')));
B12(127,125) = intval('129007976')*sqrt(intval('3'))/(intval('1563757744445')*sqrt(intval('85003')));
B12(128,125) = intval('64519048')/(intval('4785286724985')*sqrt(intval('3173')));
B12(123,126) = intval('833320')*sqrt(intval('5'))/(intval('32736785719')*sqrt(intval('49793')));
B12(124,126) = intval('2777064')*sqrt(intval('7'))/(intval('779922771641')*sqrt(intval('35855')));
B12(125,126) = intval('-199615843')/(intval('1532961918527')*sqrt(intval('253005')));
B12(126,126) = intval('-1806108334')/(intval('1842512271004769'));
B12(127,126) = intval('-437156327')/(intval('3721426330167')*sqrt(intval('257045')));
B12(128,126) = intval('29431996')*sqrt(intval('19'))/(intval('6832062829137')*sqrt(intval('1515')));
B12(129,126) = intval('25424384')*sqrt(intval('11'))/(intval('2322629709309')*sqrt(intval('23735')));
B12(124,127) = intval('64519048')*sqrt(intval('7'))/(intval('3577363607155')*sqrt(intval('36139')));
B12(125,127) = intval('2709157396')/(intval('10946304211115')*sqrt(intval('255009')));
B12(126,127) = intval('-160196893')/(intval('1240475443389')*sqrt(intval('257045')));
B12(127,127) = intval('-58863886')/(intval('61005354731685'));
B12(128,127) = intval('-270774769')/(intval('6967035210135')*sqrt(intval('29013')));
B12(129,127) = intval('10122752')/(intval('41548437567')*sqrt(intval('263153')));
B12(130,127) = intval('96187904')/(intval('804990734163')*sqrt(intval('265189')));
B12(125,128) = intval('279668224')/(intval('20098204244937')*sqrt(intval('3173')));
B12(126,128) = intval('559205888')/(intval('68320062829137')*sqrt(intval('28785')));
B12(127,128) = intval('-59491429')/(intval('1393407042027')*sqrt(intval('29013')));
B12(128,128) = intval('-1153991698')/(intval('1214843999007639'));
B12(129,128) = intval('-279459737')/(intval('7244042478603')*sqrt(intval('29469')));
B12(130,128) = intval('595206860')/(intval('7386143052057')*sqrt(intval('29697')));
B12(131,128) = intval('42524248')*sqrt(intval('7'))/(intval('112960289533905')*sqrt(intval('19')));
B12(126,129) = intval('96187904')/(intval('774209903103')*sqrt(intval('261085')));
B12(127,129) = intval('10122716')/(intval('41548437567')*sqrt(intval('263153')));
B12(128,129) = intval('-306773689')/(intval('7244042478603')*sqrt(intval('29469')));
B12(129,129) = intval('-62653246')/(intval('66989603038869'));
B12(130,129) = intval('-915403')/(intval('7968033135')*sqrt(intval('269357')));
B12(131,129) = intval('87692072')*sqrt(intval('7'))/(intval('12793912010395')*sqrt(intval('1551')));
B12(132,129) = intval('14618552')/(intval('2856892973195')*sqrt(intval('517')));
B12(127,130) = intval('42524248')/(intval('344996028927')*sqrt(intval('265189')));
B12(128,130) = intval('4475224')*sqrt(intval('19'))/(intval('1055163293151')*sqrt(intval('1563')));
B12(129,130) = intval('-105435787')/(intval('836643479175')*sqrt(intval('269357')));
B12(130,130) = intval('-409228982')/(intval('444349016944525'));
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B12(131,130) = intval('-1487273317')/(intval('65204058242345')*sqrt(intval('10941')));
B12(132,130) = intval('117206748')/(intval('11323385776675')*sqrt(intval('521')));
B12(133,130) = intval('175848112')/(intval('1505421230425')*sqrt(intval('277693')));
B12(128,131) = intval('14618552')*sqrt(intval('7'))/(intval('37653429844635')*sqrt(intval('19')));
B12(129,131) = intval('40922828')*sqrt(intval('3'))/(intval('2558782402079')*sqrt(intval('3619')));
B12(130,131) = intval('-543435847')*sqrt(intval('3'))/(intval('65204058242345')*sqrt(intval('3647')));
B12(131,131) = intval('-6329154002')/(intval('6978246776326107'));
B12(132,131) = intval('-1533855941')/(intval('1557931444995315')*sqrt(intval('21')));
B12(133,131) = intval('130485872')/(intval('2761372656951')*sqrt(intval('11193')));
B12(134,131) = intval('46612016')*sqrt(intval('7'))/(intval('42212570539815')*sqrt(intval('179')));
B12(129,132) = intval('47958576')*sqrt(intval('11'))/(intval('99991254061825')*sqrt(intval('47')));
B12(130,132) = intval('1054857232')/(intval('101910471990075')*sqrt(intval('521')));
B12(131,132) = intval('-186688613')*sqrt(intval('3'))/(intval('519310481665105')*sqrt(intval('7')));
B12(132,132) = intval('-22116214')/(intval('24757332470325'));
B12(133,132) = intval('-1787033')/(intval('365641782975')*sqrt(intval('533')));
B12(134,132) = intval('32018572')/(intval('3140452107793')*sqrt(intval('537')));
B12(135,132) = intval('48037928')/(intval('9600129688149')*sqrt(intval('541')));
B12(130,133) = intval('46612016')/(intval('387108316395')*sqrt(intval('277693')));
B12(131,133) = intval('10355988')*sqrt(intval('21'))/(intval('4602287761585')*sqrt(intval('533')));
B12(132,133) = intval('-55891')/(intval('10446908085')*sqrt(intval('533')));
B12(133,133) = intval('-22792846')/(intval('25902063905949'));
B12(134,133) = intval('-108686323')/(intval('973817313623')*sqrt(intval('286221')));
B12(135,133) = intval('230935064')/(intval('992198736837')*sqrt(intval('288353')));
B12(136,133) = intval('115491384')/(intval('1010884212107')*sqrt(intval('290485')));
B12(131,134) = intval('48037928')*sqrt(intval('7'))/(intval('42212570539815')*sqrt(intval('179')));
B12(132,134) = intval('672387880')/(intval('65949494263653')*sqrt(intval('537')));
B12(133,134) = intval('-356680657')/(intval('2921451940869')*sqrt(intval('286221')));
B12(134,134) = intval('-1385608258')/(intval('1598343476889159'));
B12(135,134) = intval('-22402463')*sqrt(intval('3'))/(intval('606463718861')*sqrt(intval('96839')));
B12(136,134) = intval('237893916')*sqrt(intval('3'))/(intval('3089126614651')*sqrt(intval('97555')));
B12(137,134) = intval('39657056')*sqrt(intval('3'))/(intval('3146867299037')*sqrt(intval('10919')));
B12(132,135) = intval('38497128')/(intval('7466767535227')*sqrt(intval('541')));
B12(133,135) = intval('25659372')/(intval('110244304093')*sqrt(intval('288353')));
B12(134,135) = intval('-367350689')/(intval('3032318594305')*sqrt(intval('290517')));
B12(135,135) = intval('-475787118')/(intval('557042046011605'));
B12(136,135) = intval('-577070279')/(intval('5244209607483')*sqrt(intval('294845')));
B12(137,135) = intval('3675132896')/(intval('48075523524105')*sqrt(intval('33001')));
B12(138,135) = intval('262562144')*sqrt(intval('7'))/(intval('16322487578685')*sqrt(intval('42739')));
B12(133,136) = intval('118971168')/(intval('1010884212107')*sqrt(intval('290485')));
B12(134,136) = intval('713679584')/(intval('3089126614651')*sqrt(intval('292665')));
B12(135,136) = intval('-210143509')/(intval('1748069869161')*sqrt(intval('294845')));
B12(136,136) = intval('-7350255002')/(intval('8733249643040307'));
B12(137,136) = intval('-254770043')/(intval('6994603665969')*sqrt(intval('33245')));
B12(138,136) = intval('36040316')*sqrt(intval('7'))/(intval('1108132184241')*sqrt(intval('43055')));
B12(139,136) = intval('3604744')*sqrt(intval('5'))/(intval('161219967873')*sqrt(intval('60713')));
B12(134,137) = intval('262562144')/(intval('6743287069365')*sqrt(intval('32757')));
B12(135,137) = intval('525017428')/(intval('6867931932015')*sqrt(intval('33001')));
B12(136,137) = intval('-1947035197')/(intval('48962225661783')*sqrt(intval('33245')));
B12(137,137) = intval('-1513691098')/(intval('1824996821570895'));
B12(138,137) = intval('-367348073')/(intval('10155787413855')*sqrt(intval('33733')));
B12(139,137) = intval('779148920')/(intval('10341864496509')*sqrt(intval('33977')));
B12(140,137) = intval('35422760')*sqrt(intval('11'))/(intval('10530929660979')*sqrt(intval('3111')));
B12(135,138) = intval('18023720')*sqrt(intval('7'))/(intval('1088165838579')*sqrt(intval('42739')));
B12(136,138) = intval('50456296')*sqrt(intval('5'))/(intval('1108132184241')*sqrt(intval('60277')));
B12(137,138) = intval('-80160077')/(intval('2031157482771')*sqrt(intval('33733')));
B12(138,138) = intval('-1558295650')/(intval('1906250614816743'));
B12(139,138) = intval('-42028409')/(intval('389993911593')*sqrt(intval('308021')));
B12(140,138) = intval('801940484')/(intval('3573787461803')*sqrt(intval('310233')));
B12(141,138) = intval('19097488')*sqrt(intval('7'))/(intval('1212882496111')*sqrt(intval('44635')));
B12(136,139) = intval('779330072')*sqrt(intval('5'))/(intval('3385619325333')*sqrt(intval('60713')));
B12(137,139) = intval('779146708')/(intval('10341864496509')*sqrt(intval('33977')));
B12(138,139) = intval('-137480635')/(intval('1169981734779')*sqrt(intval('308021')));
B12(139,139) = intval('-534626254')/(intval('663498986018869'));
B12(140,139) = intval('-77880877')/(intval('727654972681')*sqrt(intval('312477')));
B12(141,139) = intval('4366288')/(intval('19597742307')*sqrt(intval('314705')));
B12(142,139) = intval('6550672')/(intval('59852564343')*sqrt(intval('316933')));
B12(137,140) = intval('19097488')/(intval('501472840999')*sqrt(intval('34221')));
B12(138,140) = intval('38187536')*sqrt(intval('21'))/(intval('3573787461803')*sqrt(intval('14773')));
B12(139,140) = intval('-20206437')*sqrt(intval('3'))/(intval('519753551915')*sqrt(intval('104159')));
B12(140,140) = intval('-1650454642')/(intval('2077823379901815'));
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B12(141,140) = intval('-2003988557')/(intval('18851654359629')*sqrt(intval('316965')));
B12(142,140) = intval('4245099596')/(intval('19189628316495')*sqrt(intval('319209')));
B12(143,140) = intval('2122946008')/(intval('58598739778635')*sqrt(intval('35717')));
B12(138,141) = intval('19652016')*sqrt(intval('7'))/(intval('1212882496111')*sqrt(intval('44635')));
B12(139,141) = intval('275075396')/(intval('1234657765341')*sqrt(intval('314705')));
B12(140,141) = intval('-727473007')/(intval('6283884786543')*sqrt(intval('316965')));
B12(141,141) = intval('-8490188002')/(intval('10841596575716907'));
B12(142,141) = intval('-687398687')/(intval('6510322996947')*sqrt(intval('321485')));
B12(143,141) = intval('291107384')/(intval('1325241902565')*sqrt(intval('323745')));
B12(144,141) = intval('436741448')/(intval('4046342505345')*sqrt(intval('326005')));
B12(139,142) = intval('2122946008')/(intval('18853557768045')*sqrt(intval('316933')));
B12(140,142) = intval('1415029432')/(intval('6396542772165')*sqrt(intval('319209')));
B12(141,142) = intval('-748152359')/(intval('6510322996947')*sqrt(intval('321485')));
B12(142,142) = intval('-69865682')/(intval('90483045289119'));
B12(143,142) = intval('-28288831')/(intval('269729690895')*sqrt(intval('326037')));
B12(144,142) = intval('299380796')/(intval('1372485243465')*sqrt(intval('328313')));
B12(145,142) = intval('21388224')*sqrt(intval('7'))/(intval('1396691332415')*sqrt(intval('47227')));
B12(140,143) = intval('39703768')*sqrt(intval('11'))/(intval('11719747555727')*sqrt(intval('3247')));
B12(141,143) = intval('873319876')/(intval('3975725707695')*sqrt(intval('323745')));
B12(142,143) = intval('-92312333')/(intval('809189072685')*sqrt(intval('326037')));
B12(143,143) = intval('-1796282506')/(intval('2359187160930495'));
B12(144,143) = intval('-20784813')*sqrt(intval('3'))/(intval('598524064315')*sqrt(intval('110207')));
B12(145,143) = intval('43975616')*sqrt(intval('21'))/(intval('4263199197895')*sqrt(intval('15853')));
B12(146,143) = intval('21991744')/(intval('619694445335')*sqrt(intval('37245')));
B12(141,144) = intval('7129408')/(intval('64227658815')*sqrt(intval('326005')));
B12(142,144) = intval('4752064')/(intval('21785480055')*sqrt(intval('328313')));
B12(143,144) = intval('-474498233')/(intval('4189668450205')*sqrt(intval('330621')));
B12(144,144) = intval('-615657862')/(intval('819915906741085'));
B12(145,144) = intval('-29925911')/(intval('289163140695')*sqrt(intval('335237')));
B12(146,144) = intval('949366156')/(intval('13239122250585')*sqrt(intval('37505')));
B12(147,144) = intval('474766888')/(intval('4489789284981')*sqrt(intval('339853')));
B12(142,145) = intval('21991744')*sqrt(intval('7'))/(intval('1396691332415')*sqrt(intval('47227')));
B12(143,145) = intval('923485628')/(intval('4263199197895')*sqrt(intval('332913')));
B12(144,145) = intval('-2167577')/(intval('19277542713')*sqrt(intval('335237')));
B12(145,145) = intval('-379746002')/(intval('512771029268355'));
B12(146,145) = intval('-2307794477')/(intval('67340498604027')*sqrt(intval('37765')));
B12(147,145) = intval('85595128')*sqrt(intval('19'))/(intval('7611777014985')*sqrt(intval('18011')));
B12(148,145) = intval('116185048')*sqrt(intval('7'))/(intval('7743241212135')*sqrt(intval('49219')));
B12(143,146) = intval('474766888')/(intval('13013583541035')*sqrt(intval('37245')));
B12(144,146) = intval('949363832')/(intval('13239122250585')*sqrt(intval('37505')));
B12(145,146) = intval('-2505925861')/(intval('67340498604027')*sqrt(intval('37765')));
B12(146,146) = intval('-513570158')/(intval('703054952907153'));
B12(147,146) = intval('-2372477221')/(intval('69682698825663')*sqrt(intval('38285')));
B12(148,146) = intval('7539476')/(intval('106587125997')*sqrt(intval('38545')));
B12(149,146) = intval('71637328')/(intval('2059892193153')*sqrt(intval('38805')));
B12(144,147) = intval('116185048')/(intval('1068997448805')*sqrt(intval('339853')));
B12(145,147) = intval('232329076')*sqrt(intval('7'))/(intval('7611777014985')*sqrt(intval('48887')));
B12(146,147) = intval('-367816451')/(intval('9954671260809')*sqrt(intval('38285')));
B12(147,147) = intval('-2005498282')/(intval('2783110200085215'));
B12(148,147) = intval('-54189113')/(intval('533997196005')*sqrt(intval('349277')));
B12(149,147) = intval('1030271216')/(intval('4880018090487')*sqrt(intval('351633')));
B12(150,147) = intval('171740976')/(intval('1657096422499')*sqrt(intval('353989')));
B12(145,148) = intval('71637328')*sqrt(intval('7'))/(intval('4645944727281')*sqrt(intval('49219')));
B12(146,148) = intval('52776208')/(intval('7461098881979')*sqrt(intval('38545')));
B12(147,148) = intval('-35265479')/(intval('320398317603')*sqrt(intval('349277')));
B12(148,148) = intval('-36149826')/(intval('50850225295471'));
B12(149,148) = intval('-501182345')/(intval('4970839912073')*sqrt(intval('354021')));
B12(150,148) = intval('39198324')/(intval('187226745881')*sqrt(intval('356393')));
B12(151,148) = intval('1069224')*sqrt(intval('5'))/(intval('571184133373')*sqrt(intval('593')));
B12(146,149) = intval('57246992')*sqrt(intval('3'))/(intval('4806415117357')*sqrt(intval('12935')));
B12(147,149) = intval('18074892')*sqrt(intval('57'))/(intval('4880018090487')*sqrt(intval('6169')));
B12(148,149) = intval('-181102147')*sqrt(intval('3'))/(intval('4970839912073')*sqrt(intval('118007')));
B12(149,149) = intval('-2116707130')/(intval('3017772436195503'));
B12(150,149) = intval('-102988037')/(intval('1028039744193')*sqrt(intval('358797')));
B12(151,149) = intval('217401704')*sqrt(intval('5'))/(intval('57494418972837')*sqrt(intval('597')));
B12(152,149) = intval('77656280')*sqrt(intval('5'))/(intval('15943830471459')*sqrt(intval('5771')));
B12(147,150) = intval('176421960')/(intval('1657096422499')*sqrt(intval('353989')));
B12(148,150) = intval('352784120')/(intval('1685040712929')*sqrt(intval('356393')));
B12(149,150) = intval('-185973211')/(intval('1713399573655')*sqrt(intval('358797')));
B12(150,150) = intval('-2174014658')/(intval('3141146833565895'));
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B12(151,150) = intval('-125947457')/(intval('13917992081499')*sqrt(intval('3005')));
B12(152,150) = intval('88590492')*sqrt(intval('21'))/(intval('9005066017805')*sqrt(intval('17429')));
B12(153,150) = intval('398722144')/(intval('3923743289895')*sqrt(intval('368413')));
B12(148,151) = intval('15531256')*sqrt(intval('5'))/(intval('8078175600561')*sqrt(intval('593')));
B12(149,151) = intval('51762196')/(intval('2737829474897')*sqrt(intval('2985')));
B12(150,151) = intval('-954709367')/(intval('97425944570493')*sqrt(intval('3005')));
B12(151,151) = intval('-11162390002')/(intval('16343480370797307'));
B12(152,151) = intval('-301835309')*sqrt(intval('3'))/(intval('100700664344137')*sqrt(intval('1015')));
B12(153,151) = intval('382019168')/(intval('20474805894543')*sqrt(intval('3065')));
B12(154,151) = intval('191040288')/(intval('20814354914353')*sqrt(intval('3085')));
B12(149,152) = intval('398722144')*sqrt(intval('7'))/(intval('79719152357295')*sqrt(intval('5771')));
B12(150,152) = intval('5581188896')/(intval('27015198053415')*sqrt(intval('366009')));
B12(151,152) = intval('-2940141437')/(intval('302101993032411')*sqrt(intval('3045')));
B12(152,152) = intval('-2292112594')/(intval('3400532417411415'));
B12(153,152) = intval('-185972243')*sqrt(intval('3'))/(intval('5676155658745')*sqrt(intval('124439')));
B12(154,152) = intval('392156068')*sqrt(intval('3'))/(intval('5769854765779')*sqrt(intval('125251')));
B12(155,152) = intval('28015592')*sqrt(intval('7'))/(intval('17594730101247')*sqrt(intval('667')));
B12(150,153) = intval('63680096')/(intval('610360067317')*sqrt(intval('368413')));
B12(151,153) = intval('42446484')/(intval('2274978432727')*sqrt(intval('3065')));
B12(152,153) = intval('-120706309')/(intval('1135231131749')*sqrt(intval('373317')));
B12(153,153) = intval('-784311326')/(intval('1178923457208133'));
B12(154,153) = intval('-190940899')/(intval('1954804607847')*sqrt(intval('378221')));
B12(155,153) = intval('172497160')/(intval('2554536670491')*sqrt(intval('42297')));
B12(156,153) = intval('86262088')/(intval('21636214844175')*sqrt(intval('613')));
B12(151,154) = intval('2546872')/(intval('270316297589')*sqrt(intval('3085')));
B12(152,154) = intval('168066536')*sqrt(intval('7'))/(intval('5769854765779')*sqrt(intval('53679')));
B12(153,154) = intval('-9830783')/(intval('93085933707')*sqrt(intval('378221')));
B12(154,154) = intval('-2414957794')/(intval('3677526723803751'));
B12(155,154) = intval('-117605069')/(intval('3634580520375')*sqrt(intval('42573')));
B12(156,154) = intval('413033708')/(intval('51302726607825')*sqrt(intval('617')));
B12(157,154) = intval('206548784')/(intval('2085476691375')*sqrt(intval('388093')));
B12(152,155) = intval('86262088')*sqrt(intval('7'))/(intval('52784190303741')*sqrt(intval('667')));
B12(153,155) = intval('1207477652')/(intval('17881756693437')*sqrt(intval('42297')));
B12(154,155) = intval('-635455601')/(intval('181729026601875')*sqrt(intval('42573')));
B12(155,155) = intval('-2478199786')/(intval('3822920569689375'));
B12(156,155) = intval('-3017642917')/(intval('2345967842277675')*sqrt(intval('69')));
B12(157,155) = intval('6356695696')/(intval('95357666105625')*sqrt(intval('43401')));
B12(158,155) = intval('3178833008')/(intval('290694533023125')*sqrt(intval('4853')));
B12(153,156) = intval('206548784')/(intval('50484501303075')*sqrt(intval('613')));
B12(154,156) = intval('82606576')/(intval('10260545321565')*sqrt(intval('617')));
B12(155,156) = intval('-3259421741')/(intval('2345967842277675')*sqrt(intval('69')));
B12(156,156) = intval('-12713379002')/(intval('19865366719921107'));
B12(157,156) = intval('-344075749')/(intval('89713231717725')*sqrt(intval('629')));
B12(158,156) = intval('260840428')/(intval('32816182839055')*sqrt(intval('633')));
B12(159,156) = intval('31057112')/(intval('55571545578175')*sqrt(intval('13')));
B12(154,157) = intval('3178833008')/(intval('31282150370625')*sqrt(intval('388093')));
B12(155,157) = intval('6356683196')/(intval('95357666105625')*sqrt(intval('43401')));
B12(156,157) = intval('-1114382639')/(intval('269139695153175')*sqrt(intval('629')));
B12(157,157) = intval('-869467262')/(intval('1376036283593125'));
B12(158,157) = intval('-90778943')/(intval('9525785018755')*sqrt(intval('398157')));
B12(159,157) = intval('7077768')/(intval('250911270973')*sqrt(intval('8177')));
B12(160,157) = intval('10618232')/(intval('109248448127')*sqrt(intval('403189')));
B12(155,158) = intval('31057112')/(intval('2768519362125')*sqrt(intval('4853')));
B12(156,158) = intval('62104744')*sqrt(intval('3'))/(intval('23440130599325')*sqrt(intval('211')));
B12(157,158) = intval('-45713023')*sqrt(intval('3'))/(intval('1333609902625')*sqrt(intval('132719')));
B12(158,158) = intval('-2675393794')/(intval('4288153294175751'));
B12(159,158) = intval('-651881329')/(intval('48174742127463')*sqrt(intval('8229')));
B12(160,158) = intval('1371835252')/(intval('69991382914971')*sqrt(intval('405753')));
B12(161,158) = intval('686018432')/(intval('21306544129143')*sqrt(intval('45365')));
B12(156,159) = intval('31854696')/(intval('55571545578175')*sqrt(intval('13')));
B12(157,159) = intval('445898540')/(intval('15807410071299')*sqrt(intval('8177')));
B12(158,159) = intval('-78120633')*sqrt(intval('3'))/(intval('16058247375821')*sqrt(intval('2743')));
B12(159,159) = intval('-2743667978')/(intval('4453335309102399'));
B12(160,159) = intval('-44575103')/(intval('3314091561669')*sqrt(intval('8333')));
B12(161,159) = intval('468873856')/(intval('16831909708859')*sqrt(intval('8385')));
B12(162,159) = intval('9135232')*sqrt(intval('11'))/(intval('7327276779897')*sqrt(intval('767')));
B12(157,160) = intval('686018432')/(intval('6882652232001')*sqrt(intval('403189')));
B12(158,160) = intval('152425856')*sqrt(intval('3'))/(intval('2330460971657')*sqrt(intval('135251')));
B12(159,160) = intval('-240268243')/(intval('165704578083453')*sqrt(intval('8333')));
B12(160,160) = intval('-2813240594')/(intval('4623785992331415'));
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B12(161,160) = intval('-1142820479')/(intval('12211182766783')*sqrt(intval('413445')));
B12(162,160) = intval('343348876')/(intval('1771806397635')*sqrt(intval('416009')));
B12(163,160) = intval('171699048')/(intval('1799534197285')*sqrt(intval('418573')));
B12(158,161) = intval('100487552')/(intval('3043792018449')*sqrt(intval('45365')));
B12(159,161) = intval('200945572')/(intval('7213675589511')*sqrt(intval('8385')));
B12(160,161) = intval('-527754683')/(intval('5233364042907')*sqrt(intval('413445')));
B12(161,161) = intval('-14420640002')/(intval('23998194668447307'));
B12(162,161) = intval('-1171804367')*sqrt(intval('3'))/(intval('37787329293161')*sqrt(intval('139535')));
B12(163,161) = intval('492724872')*sqrt(intval('3'))/(intval('7675222599583')*sqrt(intval('140395')));
B12(164,161) = intval('16426488')*sqrt(intval('15'))/(intval('7794588425393')*sqrt(intval('3139')));
B12(159,162) = intval('57233016')/(intval('4070709322165')*sqrt(intval('8437')));
B12(160,162) = intval('267048648')/(intval('1378071642605')*sqrt(intval('416009')));
B12(161,162) = intval('-3786226597')/(intval('37787329293161')*sqrt(intval('418605')));
B12(162,162) = intval('-985448886')/(intval('1660343415821965'));
B12(163,162) = intval('-240267211')/(intval('2597999957595')*sqrt(intval('423797')));
B12(164,162) = intval('1514957860')/(intval('23744069825889')*sqrt(intval('47377')));
B12(165,162) = intval('757584880')/(intval('8037018998253')*sqrt(intval('428989')));
B12(160,163) = intval('246397320')/(intval('2519347876199')*sqrt(intval('418573')));
B12(161,163) = intval('295634404')*sqrt(intval('5'))/(intval('7675222599583')*sqrt(intval('84237')));
B12(162,163) = intval('-17243893')/(intval('173199997173')*sqrt(intval('423797')));
B12(163,163) = intval('-3029913130')/(intval('5168098604017503'));
B12(164,163) = intval('-738853441')/(intval('24109258589031')*sqrt(intval('47669')));
B12(165,163) = intval('517474448')/(intval('2720032463421')*sqrt(intval('431633')));
B12(166,163) = intval('36967568')*sqrt(intval('7'))/(intval('2761814836131')*sqrt(intval('62035')));
B12(161,164) = intval('151516976')*sqrt(intval('5'))/(intval('23383765276179')*sqrt(intval('9417')));
B12(162,164) = intval('1514955248')/(intval('23744069825889')*sqrt(intval('47377')));
B12(163,164) = intval('-795050345')/(intval('24109258589031')*sqrt(intval('47669')));
B12(164,164) = intval('-3104844082')/(intval('5360985261569847'));
B12(165,164) = intval('-21635491')/(intval('710128627689')*sqrt(intval('48253')));
B12(166,164) = intval('11959244')*sqrt(intval('133'))/(intval('25234664324649')*sqrt(intval('365')));
B12(167,164) = intval('113628328')/(intval('3659989482201')*sqrt(intval('48837')));
B12(162,165) = intval('3360688')*sqrt(intval('11'))/(intval('382715190393')*sqrt(intval('38999')));
B12(163,165) = intval('73924796')/(intval('388576066203')*sqrt(intval('431633')));
B12(164,165) = intval('-814475017')/(intval('24854501969115')*sqrt(intval('48253')));
B12(165,165) = intval('-167429278')/(intval('292622847274485'));
B12(166,165) = intval('-431095573')/(intval('4744085419281')*sqrt(intval('439565')));
B12(167,165) = intval('428798584')/(intval('2281361387305')*sqrt(intval('442209')));
B12(168,165) = intval('1358045336')/(intval('14667872834615')*sqrt(intval('444853')));
B12(163,166) = intval('113628328')*sqrt(intval('7'))/(intval('8285444508393')*sqrt(intval('62035')));
B12(164,166) = intval('1590576808')/(intval('25234664324649')*sqrt(intval('48545')));
B12(165,166) = intval('-1390422407')/(intval('14232256257843')*sqrt(intval('439565')));
B12(166,166) = intval('-5431444334')/(intval('9607986073511969'));
B12(167,166) = intval('-65167801')/(intval('721318907881')*sqrt(intval('444885')));
B12(168,166) = intval('1013356')/(intval('5423840565')*sqrt(intval('447545')));
B12(169,166) = intval('13247776')*sqrt(intval('7'))/(intval('1007533605045')*sqrt(intval('64315')));
B12(164,167) = intval('1358045336')/(intval('42699877292345')*sqrt(intval('48837')));
B12(165,167) = intval('142932628')*sqrt(intval('3'))/(intval('2281361387305')*sqrt(intval('147403')));
B12(166,167) = intval('-1423983159')*sqrt(intval('3'))/(intval('44000453380741')*sqrt(intval('148295')));
B12(167,167) = intval('-35136758')/(intval('62905338040545'));
B12(168,167) = intval('-32578873')/(intval('362686318533')*sqrt(intval('450237')));
B12(169,167) = intval('244182304')/(intval('1314763583265')*sqrt(intval('452913')));
B12(170,167) = intval('122107232')/(intval('4003425543645')*sqrt(intval('50621')));
B12(165,168) = intval('39743328')/(intval('419082080989')*sqrt(intval('444853')));
B12(166,168) = intval('4182944')*sqrt(intval('133'))/(intval('2977688470185')*sqrt(intval('3365')));
B12(167,168) = intval('-8332273')/(intval('86353885365')*sqrt(intval('450237')));
B12(168,168) = intval('-3418549586')/(intval('6193632439095255'));
B12(169,168) = intval('-278083411')/(intval('3113556730515')*sqrt(intval('455621')));
B12(170,168) = intval('583426532')/(intval('3160042516785')*sqrt(intval('458313')));
B12(171,168) = intval('875253704')/(intval('9621411120405')*sqrt(intval('461005')));
B12(166,169) = intval('122107232')*sqrt(intval('7'))/(intval('9067802445405')*sqrt(intval('64315')));
B12(167,169) = intval('9340292')/(intval('50291503185')*sqrt(intval('452913')));
B12(168,169) = intval('-4894831')/(intval('51041913615')*sqrt(intval('455621')));
B12(169,169) = intval('-3500556506')/(intval('6417822301308495'));
B12(170,169) = intval('-56959111')/(intval('641382887355')*sqrt(intval('461037')));
B12(171,169) = intval('597338792')/(intval('3254509817685')*sqrt(intval('463745')));
B12(172,169) = intval('298707816')/(intval('3302724777947')*sqrt(intval('466453')));
B12(167,170) = intval('875253704')/(intval('28023978805515')*sqrt(intval('50621')));
B12(168,170) = intval('1750276888')/(intval('9480127550355')*sqrt(intval('458313')));
B12(169,170) = intval('-183398093')/(intval('1924148662065')*sqrt(intval('461037')));
B12(170,170) = intval('-143361202')/(intval('265949366590719'));
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B12(171,170) = intval('-1458142359')*sqrt(intval('3'))/(intval('49537473257909')*sqrt(intval('155495')));
B12(172,170) = intval('3057491932')*sqrt(intval('3'))/(intval('50268344087255')*sqrt(intval('156403')));
B12(173,170) = intval('19856368')*sqrt(intval('77'))/(intval('51008673160705')*sqrt(intval('681')));
B12(168,171) = intval('99569272')/(intval('1069045680045')*sqrt(intval('461005')));
B12(169,171) = intval('66370876')/(intval('361612201965')*sqrt(intval('463745')));
B12(170,171) = intval('-4693011061')/(intval('49537473257909')*sqrt(intval('466485')));
B12(171,171) = intval('-6114979334')/(intval('11477547182888969'));
B12(172,171) = intval('-213274001')/(intval('2428819747101')*sqrt(intval('471965')));
B12(173,171) = intval('268246384')*sqrt(intval('7'))/(intval('31051995194181')*sqrt(intval('7535')));
B12(174,171) = intval('134140048')/(intval('1500316019631')*sqrt(intval('477445')));
B12(169,172) = intval('218420048')/(intval('2359089127105')*sqrt(intval('466453')));
B12(170,172) = intval('1310351728')/(intval('7181192012465')*sqrt(intval('469209')));
B12(171,172) = intval('-533663173')/(intval('5667246076569')*sqrt(intval('471965')));
B12(172,172) = intval('-3755446642')/(intval('71313678658821815'));
B12(173,172) = intval('-916987177')/(intval('31504524871035')*sqrt(intval('53053')));
B12(174,172) = intval('640571252')/(intval('3551546339649')*sqrt(intval('480233')));
B12(175,172) = intval('320325416')/(intval('3603242792919')*sqrt(intval('482989')));
B12(170,173) = intval('134140048')*sqrt(intval('7'))/(intval('30605203896423')*sqrt(intval('7491')));
B12(171,173) = intval('18877721932')/(intval('31051995194181')*sqrt(intval('52745')));
B12(172,173) = intval('-196593877')/(intval('6300904974207')*sqrt(intval('53053')));
B12(173,173) = intval('-3843424762')/(intval('7383418845578607'));
B12(174,173) = intval('-938598905')/(intval('32427036712239')*sqrt(intval('53669')));
B12(175,173) = intval('1966471208')/(intval('32897138745741')*sqrt(intval('53977')));
B12(176,173) = intval('28095896')*sqrt(intval('35'))/(intval('33373218901251')*sqrt(intval('1551')));
B12(171,174) = intval('320325416')/(intval('3500737379139')*sqrt(intval('477445')));
B12(172,174) = intval('640570328')/(intval('3551546339649')*sqrt(intval('480233')));
B12(173,174) = intval('-1005733681')/(intval('32427036712239')*sqrt(intval('53669')));
B12(174,174) = intval('-3932939650')/(intval('7642850178244743'));
B12(175,174) = intval('-21346453')/(intval('247192838277')*sqrt(intval('488597')));
B12(176,174) = intval('57485884')*sqrt(intval('5'))/(intval('1612001486861')*sqrt(intval('98277')));
B12(177,174) = intval('47910720')/(intval('545065250953')*sqrt(intval('494173')));
B12(172,175) = intval('140479480')/(intval('1544246911251')*sqrt(intval('482989')));
B12(173,175) = intval('280924060')*sqrt(intval('7'))/(intval('32897138745741')*sqrt(intval('7711')));
B12(174,175) = intval('-48994813')/(intval('529698939165')*sqrt(intval('488597')));
B12(175,175) = intval('-1341336366')/(intval('2636611247906965'));
B12(176,175) = intval('-4914830197')/(intval('57228145561489')*sqrt(intval('494205')));
B12(177,175) = intval('381171648')/(intval('2149936403545')*sqrt(intval('497009')));
B12(178,175) = intval('571826112')/(intval('6542081159285')*sqrt(intval('499813')));
B12(173,176) = intval('290368')*sqrt(intval('1155'))/(intval('11124406300417')*sqrt(intval('47')));
B12(174,176) = intval('670667712')*sqrt(intval('3'))/(intval('11284010408027')*sqrt(intval('163795')));
B12(175,176) = intval('-1754076767')*sqrt(intval('3'))/(intval('57228145561489')*sqrt(intval('164735')));
B12(176,176) = intval('-20583255002')/(intval('40922722033640307'));
B12(177,176) = intval('-5028651581')/(intval('58874961026301')*sqrt(intval('499845')));
B12(178,176) = intval('2105443084')/(intval('11942777946099')*sqrt(intval('502665')));
B12(179,176) = intval('1052846504')/(intval('36337982968287')*sqrt(intval('56165')));
B12(174,177) = intval('1715478336')/(intval('19077283783355')*sqrt(intval('494173')));
B12(175,177) = intval('3430540132')/(intval('19349427631905')*sqrt(intval('497009')));
B12(176,177) = intval('-1794005279')/(intval('19624987008767')*sqrt(intval('499845')));
B12(177,177) = intval('-4210883354')/(intval('8467160051164815'));
B12(178,177) = intval('-342962563')/(intval('40372980079815')*sqrt(intval('505517')));
B12(179,177) = intval('239262616')*sqrt(intval('3'))/(intval('4094500823413')*sqrt(intval('169451')));
B12(180,177) = intval('153829736')*sqrt(intval('7'))/(intval('12457243665009')*sqrt(intval('73027')));
B12(175,178) = intval('1052846504')/(intval('11775746086713')*sqrt(intval('499813')));
B12(176,178) = intval('701813416')/(intval('3980925982033')*sqrt(intval('502665')));
B12(177,178) = intval('-73384463')/(intval('807459615963')*sqrt(intval('505517')));
B12(178,178) = intval('-4306724258')/(intval('8757861614661159'));
B12(179,178) = intval('-16705439')*sqrt(intval('3'))/(intval('593164947661')*sqrt(intval('170407')));
B12(180,178) = intval('104861780')*sqrt(intval('7'))/(intval('4210653188313')*sqrt(intval('73439')));
B12(181,178) = intval('52436976')/(intval('3049910537245')*sqrt(intval('20677')));
B12(176,179) = intval('153829736')/(intval('5191140424041')*sqrt(intval('56165')));
B12(177,179) = intval('307622956')/(intval('1754786067177')*sqrt(intval('508353')));
B12(178,179) = intval('-1125541969')/(intval('12456463900881')*sqrt(intval('511221')));
B12(179,179) = intval('-4404191914')/(intval('9056833123328991'));
B12(180,179) = intval('-71759983')*sqrt(intval('3'))/(intval('2561766266345')*sqrt(intval('172319')));
B12(181,179) = intval('750551248')*sqrt(intval('3'))/(intval('64941400518995')*sqrt(intval('6931')));
B12(182,179) = intval('375318704')/(intval('118529409338865')*sqrt(intval('717')));
B12(177,180) = intval('17478992')*sqrt(intval('7'))/(intval('1384138185001')*sqrt(intval('73027')));
B12(178,180) = intval('81559056')/(intval('467850354257')*sqrt(intval('514073')));
B12(179,180) = intval('-1150732841')/(intval('12808831331725')*sqrt(intval('516957')));
B12(180,180) = intval('-1501101542')/(intval('3121420575569725'));
```

```
B12(181,180) = intval('-1834605839')/(intval('109742734487115')*sqrt(intval('20909')));
B12(182,180) = intval('11510209196')/(intval('1802600517892725')*sqrt(intval('721')));
B12(183,180) = intval('822251144')*sqrt(intval('7'))/(intval('67691535442425')*sqrt(intval('75499')));
B12(178,181) = intval('375318704')/(intval('21349373760715')*sqrt(intval('20677')));
B12(179,181) = intval('450330172')/(intval('12988280103799')*sqrt(intval('20793')));
B12(180,181) = intval('-653524549')/(intval('36580911495705')*sqrt(intval('20909')));
B12(181,181) = intval('-23020404002')/(intval('48401688664576107'));
B12(182,181) = intval('-5627692541')/(intval('9137803995037935')*sqrt(intval('29')));
B12(183,181) = intval('22412104')/(intval('653573445651')*sqrt(intval('21257')));
B12(184,181) = intval('5094232')*sqrt(intval('11'))/(intval('3313065945105')*sqrt(intval('1943')));
B12(179,182) = intval('822251144')/(intval('253991591440425')*sqrt(intval('717')));
B12(180,182) = intval('1644313528')*sqrt(intval('7'))/(intval('1802600517892725')*sqrt(intval('103')));
B12(181,182) = intval('-858843331')/(intval('1305400570719705')*sqrt(intval('29')));
B12(182,182) = intval('-4706538946')/(intval('10005254643973575'));
B12(183,182) = intval('-1150729361')/(intval('375679179258075')*sqrt(intval('733')));
B12(184,182) = intval('2405350292')/(intval('380855336311737')*sqrt(intval('737')));
B12(185,182) = intval('1202808736')/(intval('386094061708047')*sqrt(intval('741')));
B12(180,183) = intval('56036552')*sqrt(intval('7'))/(intval('4512769029495')*sqrt(intval('75499')));
B12(181,183) = intval('784422668')/(intval('22875070597785')*sqrt(intval('21257')));
B12(182,183) = intval('-245769389')/(intval('75135835851615')*sqrt(intval('733')));
B12(183,183) = intval('-4810697674')/(intval('10339209191360511'));
B12(184,183) = intval('-130704521')/(intval('1588770335061')*sqrt(intval('540221')));
B12(185,183) = intval('129383648')*sqrt(intval('19'))/(intval('14494865739431')*sqrt(intval('28587')));
B12(186,183) = intval('409759904')/(intval('4897179972147')*sqrt(intval('546085')));
B12(181,184) = intval('1202808736')/(intval('69574384847205')*sqrt(intval('21373')));
B12(182,184) = intval('2405347360')/(intval('380855336311737')*sqrt(intval('737')));
B12(183,184) = intval('-418582579')/(intval('4766311005183')*sqrt(intval('540221')));
B12(184,184) = intval('-86255714')/(intval('187410550381327'));
B12(185,184) = intval('-240475429')/(intval('2938458592741')*sqrt(intval('546117')));
B12(186,184) = intval('4896876')/(intval('29030250067')*sqrt(intval('549065')));
B12(187,184) = intval('19939448')*sqrt(intval('7'))/(intval('1677237508973')*sqrt(intval('78859')));
B12(182,185) = intval('409759904')/(intval('128698020569349')*sqrt(intval('741')));
B12(183,185) = intval('819428788')*sqrt(intval('3'))/(intval('14494865739431')*sqrt(intval('181051')));
B12(184,185) = intval('-427695923')*sqrt(intval('3'))/(intval('14692292963705')*sqrt(intval('182039')));
B12(185,185) = intval('-5024191834')/(intval('11035034482872015'));
B12(186,185) = intval('-877745291')/(intval('10781616122607')*sqrt(intval('552045')));
B12(187,185) = intval('1833417128')*sqrt(intval('7'))/(intval('76494253192635')*sqrt(intval('79287')));
B12(188,185) = intval('916807144')/(intval('33226867760265')*sqrt(intval('61997')));
B12(183,186) = intval('59818344')/(intval('699673996021')*sqrt(intval('546085')));
B12(184,186) = intval('6295976')/(intval('37324607229')*sqrt(intval('549065')));
B12(185,186) = intval('-728262109')*sqrt(intval('3'))/(intval('25157104286083')*sqrt(intval('184015')));
B12(186,186) = intval('-1350938158')/(intval('2999293463100753'));
B12(187,186) = intval('-2092906967')/(intval('25841637339687')*sqrt(intval('558005')));
B12(188,186) = intval('874119532')/(intval('5238001375481')*sqrt(intval('560985')));
B12(189,186) = intval('262263760')*sqrt(intval('5'))/(intval('15925498125453')*sqrt(intval('112793')));
B12(184,187) = intval('83346104')*sqrt(intval('77'))/(intval('75475687903785')*sqrt(intval('7169')));
B12(185,187) = intval('75052076')*sqrt(intval('57'))/(intval('25498084397545')*sqrt(intval('9737')));
B12(186,187) = intval('-2231840999')/(intval('25841637339687')*sqrt(intval('558005')));
B12(187,187) = intval('-5244714218')/(intval('11769453411044895'));
B12(188,187) = intval('-427694731')/(intval('5308198182095')*sqrt(intval('563997')));
B12(189,187) = intval('892943600')/(intval('5379373866141')*sqrt(intval('566993')));
B12(190,187) = intval('63788400')*sqrt(intval('7'))/(intval('5451386903171')*sqrt(intval('81427')));
B12(185,188) = intval('1311318800')/(intval('46517614864371')*sqrt(intval('61997')));
B12(186,188) = intval('524471120')*sqrt(intval('5'))/(intval('15714004126443')*sqrt(intval('112197')));
B12(187,188) = intval('-273558197')/(intval('3184918909257')*sqrt(intval('563997')));
B12(188,188) = intval('-5357658610')/(intval('12151662655318263'));
B12(189,188) = intval('-436956067')*sqrt(intval('3'))/(intval('16353242615017')*sqrt(intval('190007')));
B12(190,188) = intval('130295724')*sqrt(intval('3'))/(intval('2367335348389')*sqrt(intval('191011')));
B12(191,188) = intval('21718216')*sqrt(intval('3'))/(intval('2398857789779')*sqrt(intval('21335')));
B12(186,189) = intval('4252560')*sqrt(intval('5'))/(intval('252785684531')*sqrt(intval('112793')));
B12(187,189) = intval('14173692')*sqrt(intval('7'))/(intval('5977708207349')*sqrt(intval('80999')));
B12(188,189) = intval('-199562255')/(intval('2336177516431')*sqrt(intval('570021')));
B12(189,189) = intval('-1824139134')/(intval('4181386586021029'));
B12(190,189) = intval('-89273399')/(intval('1119404784267')*sqrt(intval('576077')));
B12(191,189) = intval('2794506472')/(intval('51041482721229')*sqrt(intval('64345')));
B12(192,189) = intval('1397397256')/(intval('17239176283329')*sqrt(intval('582133')));
B12(187,190) = intval('65154648')*sqrt(intval('7'))/(intval('5451386903171')*sqrt(intval('81427')));
B12(188,190) = intval('2736207176')/(intval('16571347438723')*sqrt(intval('573033')));
B12(189,190) = intval('-158504873')/(intval('1865674640445')*sqrt(intval('576077')));
B12(190,190) = intval('-5589009922')/(intval('12947165068452615'));
```

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B12(191,190) = intval('-6838936757')/(intval('258573430402287')*sqrt(intval('64685')));
B12(192,190) = intval('4756215532')/(intval('29109515800365')*sqrt(intval('585209')));
B12(193,190) = intval('2378350336')/(intval('29493040382715')*sqrt(intval('588253')));
B12(188,191) = intval('1397397256')/(intval('503760135585359')*sqrt(intval('64005')));
B12(189,191) = intval('2794503428')/(intval('51041482721229')*sqrt(intval('64345')));
B12(190,191) = intval('-7283100421')/(intval('258573430402287')*sqrt(intval('64685')));
B12(191,191) = intval('-483682678')/(intval('1132279869193473'));
B12(192,191) = intval('-118384079')/(intval('4498693641897')*sqrt(intval('65365')));
B12(193,191) = intval('2913888512')/(intval('53781426580245')*sqrt(intval('65705')));
B12(194,191) = intval('208155904')*sqrt(intval('7'))/(intval('54486294556395')*sqrt(intval('9435')));
B12(189,192) = intval('2378350336')/(intval('28731960472215')*sqrt(intval('582133')));
B12(190,192) = intval('4756210432')/(intval('29109515800365')*sqrt(intval('585209')));
B12(191,192) = intval('-126031303')/(intval('4498693641897')*sqrt(intval('65365')));
B12(192,192) = intval('-19755166')/(intval('46730845255185'));
B12(193,192) = intval('-4528699')/(intval('57654350715')*sqrt(intval('594437')));
B12(194,192) = intval('424999124')*sqrt(intval('7'))/(intval('18398276315315')*sqrt(intval('85359')));
B12(195,192) = intval('6440024')*sqrt(intval('11'))/(intval('887530930465')*sqrt(intval('54599')));
B12(190,193) = intval('208155904')/(intval('2527974889947')*sqrt(intval('588253')));
B12(191,193) = intval('416269348')/(intval('7683060940035')*sqrt(intval('65705')));
B12(192,193) = intval('-101213111')/(intval('1210741365015')*sqrt(intval('594437')));
B12(193,193) = intval('-1983328222')/(intval('4740495591200005'));
B12(194,193) = intval('-1456616393')/(intval('18637156532885')*sqrt(intval('600621')));
B12(195,193) = intval('112483528')/(intval('699232000845')*sqrt(intval('603713')));
B12(196,193) = intval('168741976')/(intval('2124903473385')*sqrt(intval('606805')));
B12(191,194) = intval('70840264')*sqrt(intval('7'))/(intval('18162098185465')*sqrt(intval('9435')));
B12(192,194) = intval('991663592')*sqrt(intval('3'))/(intval('18398276315315')*sqrt(intval('199171')));
B12(193,194) = intval('-516568971')*sqrt(intval('3'))/(intval('18637156532885')*sqrt(intval('200207')));
B12(194,194) = intval('-6074107426')/(intval('14668799383533735'));
B12(195,194) = intval('-297433133')/(intval('3824624559645')*sqrt(intval('606837')));
B12(196,194) = intval('3100082596')/(intval('19370259075915')*sqrt(intval('609945')));
B12(197,194) = intval('221456144')*sqrt(intval('7'))/(intval('58860593708103')*sqrt(intval('9731')));
B12(192,195) = intval('506225928')/(intval('6212716513255')*sqrt(intval('600589')));
B12(193,195) = intval('1012350716')/(intval('6293088007605')*sqrt(intval('603713')));
B12(194,195) = intval('-105447007')/(intval('1274874853215')*sqrt(intval('606837')));
B12(195,195) = intval('-1240032418')/(intval('3025555101679635'));
B12(196,195) = intval('-2530321559')/(intval('32698623042603')*sqrt(intval('613085')));
B12(197,195) = intval('753353776')/(intval('47312897204255')*sqrt(intval('616209')));
B12(198,195) = intval('1130140144')/(intval('14376075440715')*sqrt(intval('619333')));
B12(193,196) = intval('221456144')/(intval('2732018751495')*sqrt(intval('606805')));
B12(194,196) = intval('147622832')*sqrt(intval('7'))/(intval('6456753025305')*sqrt(intval('87135')));
B12(195,196) = intval('-384332441')/(intval('4671231863229')*sqrt(intval('613085')));
B12(196,196) = intval('-31640843002')/(intval('77993285929157907'));
B12(197,196) = intval('-2582838607')/(intval('33542442941007')*sqrt(intval('619365')));
B12(198,196) = intval('1076358356')/(intval('6794298074529')*sqrt(intval('622505')));
B12(199,196) = intval('538230792')/(intval('6881070719159')*sqrt(intval('625645')));
B12(194,197) = intval('1130140144')*sqrt(intval('7'))/(intval('294302968540515')*sqrt(intval('9731')));
B12(195,197) = intval('15820413596')/(intval('99357084129555')*sqrt(intval('616209')));
B12(196,197) = intval('-8235926957')/(intval('1006273288823021')*sqrt(intval('619365')));
B12(197,197) = intval('-6458147002')/(intval('16081690201082415'));
B12(198,197) = intval('-527233779')*sqrt(intval('3'))/(intval('20642156368645')*sqrt(intval('208559')));
B12(199,197) = intval('1098353432')*sqrt(intval('3'))/(intval('20904849827407')*sqrt(intval('209611')));
B12(200,197) = intval('549228856')/(intval('21170476890017')*sqrt(intval('70221')));
B12(195,198) = intval('16310024')*sqrt(intval('11'))/(intval('2236278401889')*sqrt(intval('56303')));
B12(196,198) = intval('119595256')/(intval('754222008281')*sqrt(intval('622505')));
B12(197,198) = intval('-336135517')/(intval('4128431273729')*sqrt(intval('625677')));
B12(198,198) = intval('-2196705814')/(intval('5525708041831789'));
B12(199,198) = intval('-538064155')/(intval('7056468334251')*sqrt(intval('632021')));
B12(200,198) = intval('3362051668')/(intval('64312331435121')*sqrt(intval('70577')));
B12(196,199) = intval('549228856')/(intval('6881070719159')*sqrt(intval('625645')));
B12(197,199) = intval('3295057124')/(intval('20904849827407')*sqrt(intval('628833')));
B12(198,199) = intval('-190519769')/(intval('2352156111417')*sqrt(intval('632021')));
B12(199,199) = intval('-6724100170')/(intval('17085212355193983'));
B12(200,199) = intval('-47062331')/(intval('1860631941597')*sqrt(intval('70933')));
B12(197,200) = intval('240169120')/(intval('9073061524293')*sqrt(intval('70221')));
B12(198,200) = intval('480292640')/(intval('9187475919303')*sqrt(intval('70577')));
B12(199,200) = intval('-1749191513')/(intval('65122117955895')*sqrt(intval('70933')));
B12(200,200) = intval('-6860115538')/(intval('17606212149959895'));
```

"B.ma" (Mathematica)

```
K = 200;

phi[n_]:= (-1)^(2n) Sqrt[4n+1]/(2n)! /2^(2n+1/2)D[(1-x^2)^(2n),{x,2n-2}];

B1 = Table[0,{i,K},{j,K}]; B2 = B1; B3 = B1; B4 = B1;
B5 = B1; B6 = B5; B7 = B5; B8 = B5; B9 = B5; B10= B5; B11= B5; B12= B5;

Do[ Do[ B1[[n,m]] = Integrate[Expand[phi[m] phi[n]], {x,-1,1}],
     {n,1,K}] ,{m,1,K}]
B1 >> B1_200.dat;

Do[ Do[ B2[[n,m]] = Integrate[Expand[D[phi[m],{x,2}] phi[n]], {x,-1,1}],
    {n,1,K}] ,{m,1,K}]
B2 >> B2_200.dat;

Do[ Do[ B3[[n,m]] = Integrate[Expand[x^2 D[phi[m],{x,2}] phi[n]], {x,-1,1}],
    {n,1,K}] ,{m,1,K}]
B3 >> B3_200.dat;

Do[ Do[ B4[[n,m]] = Integrate[Expand[x^2 phi[m] phi[n]], {x,-1,1}],
    {n,1,K}], {m,1,K}]
B4 >> B4_200.dat;

Do[ Do[ B5[[n,m]] = Integrate[Expand[D[phi[m],{x,4}] D[phi[n],{x,4}]],
     {x,-1,1}], {n,1,K}], {m,1,K}]
B5 >> B5_200.dat;

Do[ Do[ B6[[n,m]] = Integrate[Expand[D[phi[m],{x,4}] D[phi[n],{x,2}]],
    {x,-1,1}], {n,1,K}], {m,1,K}]
B6 >> B6_200.dat;

Do[ Do[ B7[[n,m]] = Integrate[Expand[x^2 phi[m] x^2 phi[n]],
    {x,-1,1}], {n,1,K}], {m,1,K}]
B7 >> B7_200.dat;

Do[ Do[ B8[[n,m]] = Integrate[Expand[D[phi[m],{x,4}] x^2 D[phi[n],{x,2}]],
    {x,-1,1}], {n,1,K}], {m,1,K}]
B8 >> B8_200.dat;

Do[ Do[ B9[[n,m]] = Integrate[Expand[D[phi[m],{x,4}] x^2 phi[n]],
    {x,-1,1}], {n,1,K}], {m,1,K}]
B9 >> B9_200.dat;

Do[ Do[ B10[[n,m]] = Integrate[Expand[D[phi[m],{x,2}] x^2 D[phi[n],{x,2}]],
    {x,-1,1}], {n,1,K}], {m,1,K}]
B10 >> B10_200.dat;

Do[ Do[ B11[[n,m]] = Integrate[Expand[x^2 D[phi[m],{x,2}] x^2 D[phi[n],{x,2}]],
    {x,-1,1}], {n,1,K}], {m,1,K}]
B11 >> B11_200.dat;

Do[ Do[ B12[[n,m]] = Integrate[Expand[x^2 D[phi[m],{x,2}] x^2 phi[n]],
    {x,-1,1}], {n,1,K}], {m,1,K}]
B12 >> B12_200.dat;
```

## Confirming some norms

We obtain as follows.

$$
\begin{array}{rll}
 & \text{INTLAB} & \text{Mathematica (100 digits)} \\
\left\|(-D^2+3\hat{a}^2)\hat{u}_r\right\| & \in 0.20049700309324_3^4 & \ni 0.200497003093233\ldots \\
\left\|(-D^2+3\hat{a}^2)\hat{u}_i\right\| & \in 0.08927068956233_2^3 & \ni 0.089270689562323\ldots \\
\left\|(-D^2+3\hat{a}^2)\hat{v}_r\right\| & \in 0.28452600020473_3^4 & \ni 0.284526000204738\ldots \\
\left\|(-D^2+3\hat{a}^2)\hat{v}_i\right\| & \in 0.16206611953388_2^3 & \ni 0.1620661195388208\ldots \\
\|\hat{u}_r\| & \in 0.0164399879615_5^6 & \ni 0.01643998796155\ldots \\
\|\hat{u}_i\| & \in 0.0001414049488857_0^2 & \ni 0.000141404948885710\ldots \\
\|\hat{v}_r\| & \in 0.003405011267_{29}^{30} & \ni 0.003405011267299\ldots \\
\|\hat{v}_i\| & \in 0.0001467795632859_4^5 & \ni 0.000146779563285944\ldots \\
\left\|(\hat{\lambda}_i-3\hat{a}\hat{R}V)\hat{u}_r\right\| & \in 227.94032724587_0^2 & \ni 227.9403272458708\ldots \\
\left\|(\hat{\lambda}_i-3\hat{a}\hat{R}V)\hat{u}_i\right\| & \in 0.77928767126_{34}^{92} & \ni 0.77928767126163\ldots \\
\left\|(\hat{\lambda}_i-3\hat{a}\hat{R}V)\hat{v}_r\right\| & \in 39.768152287382_{15}^{83} & \ni 39.76815228738246\ldots \\
\left\|(\hat{\lambda}_i-3\hat{a}\hat{R}V)\hat{v}_i\right\| & \in 0.48052336763_{505}^{683} & \ni 0.48052336763598\ldots \\
\left\|(V(-D^2+3\hat{a}^2)+V'')\hat{u}_r\right\| & \in 0.0474620605877_6^7 & \ni 0.047462060587764\ldots \\
\left\|(V(-D^2+3\hat{a}^2)+V'')\hat{u}_i\right\| & \in 0.0090926125799_4^5 & \ni 0.009092612579949\ldots \\
\left\|(V(-D^2+3\hat{a}^2)+V'')\hat{v}_r\right\| & \in 0.0460244391060_6^8 & \ni 0.046024439106070\ldots \\
\left\|(V(-D^2+3\hat{a}^2)+V'')\hat{v}_i\right\| & \in 0.0142577160429_2^4 & \ni 0.014257716042931\ldots \\
\|V\hat{u}_r\| & \in 0.0143170253400_0^1 & \ni 0.014317025340009\ldots \\
\|V\hat{u}_i\| & \in 0.0000521740922791_{61}^{73} & \ni 0.000052174092279168\ldots \\
\|V\hat{v}_r\| & \in 0.0025194995439_4^5 & \ni 0.002519499543941\ldots \\
\|V\hat{v}_i\| & \in 0.0000354029490262_{16}^{50} & \ni 0.0000354029490026234\ldots \\
\left\|(-3\hat{R}V+\hat{\mu}_i)\hat{u}_r\right\| & \in 212.30255810175_6^8 & \ni 212.3025581017569\ldots \\
\left\|(-3\hat{R}V+\hat{\mu}_i)u_i\right\| & \in 0.712934974322_{49}^{88} & \ni 0.71293497432269\ldots \\
\left\|(-3\hat{R}V+\hat{\mu}_i)\hat{v}_r\right\| & \in 36.91042230466_{47}^{93} & \ni 36.91042230466768\ldots \\
\left\|(-3\hat{R}V+\hat{\mu}_i)\hat{v}_i\right\| & \in 0.43001221652_{444}^{567} & \ni 0.43001221652508\ldots
\end{array}
$$

"`main.ma`" (Mathematica)

```
(* truncation number of Ledgendre polynomial *)
  K = 100;

(* defining Ledgendre polynomial *)
  phi[n_]:= (-1)^(2n) Sqrt[4n+1]/(2n)! /2^(2n+1/2)D[(1-x^2)^(2n),{x,2n-2}];

  w = ReadList["../APPROXIMATE_SOLUTION/app_rational.dat"];
  ur = Expand[Sum[phi[i] w[[i]],{i,K}]];
  ui = Expand[Sum[phi[i] w[[K+i]],{i,K}]];
  vr = Expand[Sum[phi[i] w[[2K+i]],{i,K}]];
  vi = Expand[Sum[phi[i] w[[3K+i]],{i,K}]];
  a = w[[4K+1]];
  R = w[[4K+2]];
  lambda = w[[4K+3]];
  mu = w[[4K+4]];

(* type a
 s = N[Expand[-D[ur,{x,2}] + 3a^2 ur],100];
 s1 = Sqrt[Integrate[Expand[s^2],{x,-1,1}]]

 s = N[Expand[-D[ui,{x,2}] + 3a^2 ui],100];
 s2 = Sqrt[Integrate[Expand[s^2],{x,-1,1}]]

 s = N[Expand[-D[vr,{x,2}] + 3a^2 vr],100];
 s3 = Sqrt[Integrate[Expand[s^2],{x,-1,1}]]

 s = N[Expand[-D[vi,{x,2}] + 3a^2 vi],100];
 s4 = Sqrt[Integrate[Expand[s^2],{x,-1,1}]]
 *)

(* type b
  s = N[ur,100];
  s1 = Sqrt[Integrate[Expand[s^2],{x,-1,1}]];

  s = N[ui,100];
  s2 = Sqrt[Integrate[Expand[s^2],{x,-1,1}]];

  s = N[vr,100];
  s3 = Sqrt[Integrate[Expand[s^2],{x,-1,1}]];

  s = N[vi,100];
  s4 = Sqrt[Integrate[Expand[s^2],{x,-1,1}]];
 *)

(* type c
 s = N[Expand[(lambda - 3 a R(1-x^2)) ur],100];
 s1 = Sqrt[Integrate[Expand[s^2],{x,-1,1}]]

 s = N[Expand[(lambda - 3 a R(1-x^2)) ui],100];
 s2 = Sqrt[Integrate[Expand[s^2],{x,-1,1}]]

 s = N[Expand[(lambda - 3 a R (1-x^2)) vr],100];
 s3 = Sqrt[Integrate[Expand[s^2],{x,-1,1}]]

 s = N[Expand[(lambda - 3 a R (1-x^2)) vi],100];
 s4 = Sqrt[Integrate[Expand[s^2],{x,-1,1}]]
 *)
```

```
(* type d
 s = N[Expand[(1-x^2)(-D[ur,{x,2}]+3a^2 ur)-2ur],100];
 s1 = Sqrt[Integrate[Expand[s^2],{x,-1,1}]]

 s = N[Expand[(1-x^2)(-D[ui,{x,2}]+3a^2 ui)-2ui],100];
 s2 = Sqrt[Integrate[Expand[s^2],{x,-1,1}]]

 s = N[Expand[(1-x^2)(-D[vr,{x,2}]+3a^2 vr)-2vr],100];
 s3 = Sqrt[Integrate[Expand[s^2],{x,-1,1}]]

 s = N[Expand[(1-x^2)(-D[vi,{x,2}]+3a^2 vi)-2vi],100];
 s4 = Sqrt[Integrate[Expand[s^2],{x,-1,1}]]
 *)


(* type e
 s = N[Expand[(1-x^2)ur],100];
 s1 = Sqrt[Integrate[Expand[s^2],{x,-1,1}]]

 s = N[Expand[(1-x^2)ui],100];
 s2 = Sqrt[Integrate[Expand[s^2],{x,-1,1}]]

 s = N[Expand[(1-x^2)vr],100];
 s3 = Sqrt[Integrate[Expand[s^2],{x,-1,1}]]

 s = N[Expand[(1-x^2)vi],100];
 s4 = Sqrt[Integrate[Expand[s^2],{x,-1,1}]]
 *)


(* type f *)
 s = N[Expand[(mu - 3 R(1-x^2)) ur],100];
 s1 = Sqrt[Integrate[Expand[s^2],{x,-1,1}]]

 s = N[Expand[(mu - 3 R(1-x^2)) ui],100];
 s2 = Sqrt[Integrate[Expand[s^2],{x,-1,1}]]

 s = N[Expand[(mu - 3 R (1-x^2)) vr],100];
 s3 = Sqrt[Integrate[Expand[s^2],{x,-1,1}]]

 s = N[Expand[(mu - 3 R (1-x^2)) vi],100];
 s4 = Sqrt[Integrate[Expand[s^2],{x,-1,1}]]
```