ON THE EA-CLASSES OF KNOWN APN FUNCTIONS IN SMALL DIMENSIONS

MARCO CALDERINI

ABSTRACT. Recently Budaghyan, Calderini and Villa (2018) introduced a procedure for investigating if CCZ-equivalence can be more general than EA-equivalence together with inverse transformation (when applicable). In this paper, we show of it is possible to use this procedure for classifying, up to EA-equivalence, all known APN functions in dimension 6. We also give some discussion for dimension 7, 8 and 9. In particular, in these cases it is possible to give an upper bound on the EA-classes contained in the CCZ-classes of the known APN functions.

1. INTRODUCTION

Symmetric cryptographic primitives and in particular block ciphers use substitution boxes (in brief, S-boxes) to bring "confusion" into the systems. Such confusion is necessary to prevent known attacks.

Given n and m two positive integers, the functions from $\mathbb{F}_{2^n}$ to $\mathbb{F}_{2^m}$ are called vectorial Boolean functions. Such functions are used as S-boxes in the design of block ciphers.

Among the properties that these functions have to satisfy we have a low differential uniformity (see definitions in Section 2) to allow resistance to the differential attack [2] and high nonlinearity to resist the linear attack [15]. The lowest differential uniformity for a vectorial Boolean function is 2. Functions reaching such lower bound are called Almost Perfect Nonlinear (APN).

The APN property (more in general the differential uniformity) is preserved by different forms of equivalence between (vectorial) Boolean functions, such as EA-equivalence and CCZ-equivalence. Since EA-equivalence is a particular case of CCZ-equivalence, it is possible to partition the space of all functions $\mathbb{F}_{2^n} \to \mathbb{F}_{2^m}$ into CCZ-equivalence classes and then partition each CCZ-equivalence class into EA-equivalence classes. For brevity, we will refer to these as "EA-class" and "CCZ-class". It was shown by Budaghyan et al. [3] that for quadratic APN functions CCZ-equivalence is more general than EA-equivalence together with taking inverses of permutations. In [8] the authors investigate further the relation between CCZ-equivalence and EA-equivalence with inverse transformation. While, in [9] the authors give a characterization of CCZ-equivalence in terms of twisting functions. Despite this, CCZ-equivalence is not yet fully well understood and, to the best of our knowledge, partitioning the CCZ-class of a function into its EA-classes is an hard task.

Classification of APN functions is, as well, a hard open problem. Complete classification for APN functions over $\mathbb{F}_{2^n}$ is known only for $n \leq 5$ [5], and for $n = 6$ it is known the CCZ-classification of APN functions with algebraic degree at most 3 [13]. In [5] the authors give a classification of the APN functions up to EA-equivalence and CCZ-equivalence. For the case of $n = 6$, the classification of the known APN functions is given only up to CCZ-equivalence. The classification up to EA-equivalence is not known.

In this work we use the procedure introduced in [8], for investigating the EA-classes contained in a CCZ-class of a given function. For the case $n = 6$ we are able to give all the EA-classes of the known APN functions. We also studied further the case of the only APN permutation in even dimension [7]. For such a function we give the representatives of the EA-classes which contain a permutation and we also give the representatives of the affine classes (containing a permutation).

We extend our study also to dimension 7,8 and 9 (for this last case we focus only on non-Gold APN power functions). In these dimensions checking EA-equivalence, which is based on some codes equivalence, requires an amount of computing which is very huge, but we are able to give an upper bound on the number of EA-classes. Moreover, for the case of non-Gold APN power functions we can determine the exact number of the EA-classes.

2. Preliminaries

Let $n \geq 2$, we denote by $\mathbb{F}_{2^n}$ the finite field with 2^n elements, by $\mathbb{F}_{2^n}^\star$ its multiplicative group and by $\mathbb{F}_{2^n}[x]$ the polynomial ring defined over $\mathbb{F}_{2^n}$. Any function $F : \mathbb{F}_{2^n} \to \mathbb{F}_{2^n}$ can be represented as a univariate polynomial of degree at most $2^n - 1$ in $\mathbb{F}_{2^n}[x]$, that is

$$F(x) = \sum_{i=0}^{2^n-1} c_i x^i, \quad c_i \in \mathbb{F}_{2^n}.$$

For any $i, 0 \leq i \leq 2^n - 1$, the *2-weight* of i is the (Hamming) weight of its binary representation. The algebraic degree of a function F is equal to the maximum 2-weight of the exponent i such that $c_i \neq 0$. Functions of algebraic degree 1 are called *affine* and of degree 2 *quadratic*. Linear functions are affine functions without the constant term and they can be represented as $L(x) = \sum_{i=0}^{n-1} c_i x^{2^i}$. We denote the *trace* function by

$$Tr(x) = x + x^2 + \cdots + x^{2^{n-1}},$$

Let $\lambda \in \mathbb{F}_{2^n}^\star$ and F be a function from $\mathbb{F}_{2^n}$ to itself, the λ-component of F is the Boolean function $F_\lambda : \mathbb{F}_{2^n} \to \mathbb{F}_2$ with $F_\lambda(x) = Tr(\lambda F(x))$.

For any function $F : \mathbb{F}_{2^n} \to \mathbb{F}_{2^n}$ we denote the *Walsh transform* in $a, b \in \mathbb{F}_{2^n}$ by

$$\mathscr{W}_F(a,b) = \sum_{x \in \mathbb{F}_{2^n}} (-1)^{Tr(ax+bF(x))}.$$

For any Boolean function $f : \mathbb{F}_{2^n} \to \mathbb{F}_2$ the Walsh transform in $a \in \mathbb{F}_{2^n}$ is given by

$$\mathscr{W}_f(a) = \sum_{x \in \mathbb{F}_{2^n}} (-1)^{Tr(ax)+f(x)}.$$

The *Walsh spectrum* of a function F is the set of all possible values of the Walsh transform. The Walsh spectrum of a (vectorial) Boolean function F is strictly related to the notion of nonlinearity of F, denoted by $\mathscr{NL}(F)$, indeed we have

$$\mathscr{NL}(F) = 2^{n-1} - \frac{1}{2} \max_{a \in \mathbb{F}_{2^n}, b \in \mathbb{F}_{2^n}^\star} |\mathscr{W}_F(a,b)|.$$

If $\mathscr{W}_f(0) = 0$ then the Boolean function is called balanced. For any function $F : \mathbb{F}_{2^n} \to \mathbb{F}_{2^n}$ it is well known that F is a bijection if and only if all its component functions are balanced.

The concept of differential uniformity of a function F is related to the number of solutions of the equation $F(x+a) + F(x) = b$ for $a \in \mathbb{F}_{2^n}^\star$ and $b \in \mathbb{F}_{2^n}$.

Definition 2.1. For a function F from $\mathbb{F}_{2^n}$ to itself, and any $a \in \mathbb{F}_{2^n}^\star$ and $b \in \mathbb{F}_{2^n}$, we denote by $\delta_F(a,b)$ the number of solutions of the equation $F(x+a) + F(x) = b$. The maximum value δ among the $\delta_F(a,b)$'s is called the differential uniformity of F, and F is said differentially δ-uniform. A function F is called almost perfect nonlinear (APN) if $\delta = 2$.

There are several equivalence relations of functions for which the differential uniformity (and thus the APN property) is preserved. Two functions F and F' from $\mathbb{F}_{2^n}$ to itself are called:

- *affine equivalent* if $F' = A_1 \circ F \circ A_2$ where the mappings $A_1, A_2 : \mathbb{F}_{2^n} \to \mathbb{F}_{2^n}$ are affine permutations;
- *extended affine equivalent* (EA-equivalent) if $F' = F'' + A$, where the mappings $A : \mathbb{F}_{2^n} \to \mathbb{F}_{2^n}$ is affine and F'' is affine equivalent to F;
- *Carlet-Charpin-Zinoviev equivalent* (CCZ-equivalent) if for some affine permutation $\mathscr{L}$ of $\mathbb{F}_{2^n} \times \mathbb{F}_{2^n}$ the image of the graph of F is the graph of F', that is, $\mathscr{L}(G_F) = G_{F'}$, where $G_F = \{(x, F(x)) : x \in \mathbb{F}_{2^n}\}$ and $G_{F'} = \{(x, F'(x)) : x \in \mathbb{F}_{2^n}\}$.

Obviously, the affine equivalence is included in EA-equivalence, and it is also well known that EA-equivalence is a particular case of CCZ-equivalence and every permutation is CCZ-equivalent to its inverse [10].

3. PROPERTIES AND REMARKS ON THE CCZ-EQUIVALENCE

In this section, we will recall the procedure given in [8] and give some remarks regarding CCZ-equivalence that will be useful in the investigation of the EA-classes contained in a CCZ-class.

Since we are interested in the EA-classes, without loss of generality, we assume that the affine permutation in the definition of CCZ-equivalence is linear. Indeed, using affine permutations instead of linear ones we simply obtain a shift by a constant in the input and output of the resulting function (see for instance [8]).

Lemma 3.1 ([8]). *Let $L_1, L_2 : (\mathbb{F}_{2^n})^2 \to \mathbb{F}_{2^n}$ be linear maps and $a, b \in \mathbb{F}_{2^n}$, such that $\mathscr{L}(x, y) = (L_1(x, y) + a, L_2(x, y) + b)$ is a permutation. Let F and F' be CCZ-equivalent functions such that $\mathscr{L}$ maps the graph of F to the graph of F'. Then the linear part $\mathscr{L}'$ of $\mathscr{L}$ maps the graph of F to the graph of $F''(x) = F'(x + a) + b$.*

A linear map $\mathscr{L}$ defined over $(\mathbb{F}_{2^n})^2$ can be described as a formal matrix

$$\mathscr{L} = \begin{bmatrix} A_1 & A_2 \\ A_3 & A_4 \end{bmatrix}$$

where A_i are linear maps over $\mathbb{F}_{2^n}$ for $1 \le i \le 4$, and

$$\mathscr{L}(x, y) = \begin{bmatrix} A_1 & A_2 \\ A_3 & A_4 \end{bmatrix} \cdot \begin{bmatrix} x \\ y \end{bmatrix} = (A_1(x) + A_2(y), A_3(x) + A_4(y)).$$

In particular,

$$(1) \qquad F_1(x) = L_1(x, F(x)) = A_1(x) + A_2 \circ F(x)$$

and

$$(2) \qquad F_2(x) = L_2(x, F(x)) = A_3(x) + A_4 \circ F(x).$$

From the definition of CCZ-equivalence we have that a linear permutation $\mathscr{L}$ is *admissible* for producing a CCZ-equivalent function from F if and only if $F_1(x)$ is a permutation. In terms of Walsh coefficients we have the following observation.

Observation 3.2. The function F_1 in (1) is a permutation if and only if all its component are balanced, that is

$$\mathscr{W}_{F_1}(0, \lambda) = \sum_{x \in \mathbb{F}_{2^n}} (-1)^{\mathrm{Tr}(\lambda A_1(x) + \lambda A_2 \circ F(x))} = 0, \quad \text{for all } \lambda \in \mathbb{F}_{2^n}^\star.$$

Denoting by L^* the adjoint operator of a linear map L (i.e. $Tr(yL(x)) = Tr(xL^*(y))$ for all $x, y \in \mathbb{F}_{2^n}$), we have

$$(3) \qquad \mathscr{W}_{F_1}(0, \lambda) = \sum_{x \in \mathbb{F}_{2^n}} (-1)^{\mathrm{Tr}(A_1^*(\lambda)x + A_2^*(\lambda)F(x))} = \mathscr{W}_F(A_1^*(\lambda), A_2^*(\lambda)) = \mathscr{W}_{F_{A_2^*(\lambda)}}(A_1^*(\lambda)) = 0.$$

In [8], the authors introduce a procedure that permits to investigate the relation between CCZ-equivalence and EA-equivalence together with the inverse transformation (when applicable). Using this procedure it is possible, at least in small dimensions, to investigate the EA-classes contained in the CCZ-class of a given function.

The procedure given in [8] is useful for constructing linear permutations

$$\mathscr{L} = \left[\begin{array}{cc} A_1 & A_2 \\ A_3 & A_4 \end{array} \right]$$

mapping the graph of F onto the graph of another function F'. In particular, the procedure constructs the linear functions A_1 and A_2 defined over $\mathbb{F}_{2^n}$ so that $F_1(x) = L_1(x, F(x)) = A_1(x) + A_2 \circ F(x)$ is a permutation. Indeed, if we are able to construct L_1 with such a property, then it is always possible to determine L_2 in order to have $\mathscr{L}$ a linear permutation.

We are focusing on the EA-classes that are contained in the CCZ-class of some given function F. In the following, we will show some properties that permit to determine whether from two admissible permutation $\mathscr{L}$ and $\mathscr{L}'$ we can obtain EA-equivalent functions.

Remark 3.3 (Remark 2 in [3])**.** For a function $F : \mathbb{F}_{2^n} \to \mathbb{F}_{2^n}$, if $\mathscr{L} = (L_1, L_2)$ and $\mathscr{L}' = (L_1, L_2')$ are permutations such that the function $L_1(x, F(x))$ is a permutation, then the functions defined by the graphs $\mathscr{L}(G_F)$ and $\mathscr{L}'(G_F)$ are EA-equivalent.

This means that for all possible L_1, for covering the EA-classes of a given function F, we need to construct a single L_2.

Remark 3.3 can be easily extended with the following proposition.

Proposition 3.4. *Let F be a function over $\mathbb{F}_{2^n}$ and let*

$$\mathscr{L} = \left[\begin{array}{cc} A_1 & A_2 \\ A_3 & A_4 \end{array} \right], \quad \mathscr{L}' = \left[\begin{array}{cc} A_1' & A_2' \\ A_3' & A_4' \end{array} \right]$$

be two linear permutations over $(\mathbb{F}_{2^n})^2$ such that $F_1(x) = L_1(x, F(x)) = A_1(x) + A_2 \circ F(x)$ and $F_1'(x) = L_1'(x, F(x)) = A_1'(x) + A_2' \circ F(x)$ are permutations. If $L_1'(x, y) = L \circ L_1(x, y)$ for some linear permutation L, then the functions defined by the graphs $\mathscr{L}(G_F)$ and $\mathscr{L}'(G_F)$ are EA-equivalent.

Proof. Let $L_2(x, y) = A_3(x) + A_4(y)$. Since $L_1'(x, y) = L \circ L_1(x, y)$ we have that also $\mathscr{L}'' = (L_1', L_2)$ is a linear permutation and from Remark 3.3 we have that the functions defined by the graphs $\mathscr{L}'(G_F)$ and $\mathscr{L}''(G_F)$ are EA-equivalent.

Now,

$$\mathscr{L}'' = \left[\begin{array}{cc} L & 0 \\ 0 & I \end{array} \right] \cdot \mathscr{L},$$

where I is the identity map, which implies that the functions defined by the graphs $\mathscr{L}(G_F)$ and $\mathscr{L}''(G_F)$ are affine equivalent. □

We will show, now the procedure introduced in [8]. From now on, we consider a fixed basis $\{\beta_1, ..., \beta_n\}$ of $\mathbb{F}_{2^n}$ as vector space over $\mathbb{F}_2$.

For any $\lambda \in \mathbb{F}_{2^n}$ we define the set

$$\mathcal{ZW}(\lambda) = \{a \in \mathbb{F}_{2^n} : \mathscr{W}_{F_\lambda}(a) = 0\}.$$

Then we can define the following set

(4) $S_F = \{\lambda \in \mathbb{F}_{2^n}^\star : \mathcal{ZW}(\lambda) \neq \emptyset\} \cup \{0\}.$

Note that if $L_1(x,y)$ is such that $F_1(x) = L_1(x, F(x)) = A_1(x) + A_2 \circ F(x)$ is a permutation then $\text{Im}(A_2^*) \subseteq S_F$. So, any subspace U in S_F could be a possible candidate for $\text{Im}(A_2^*)$.

Along this section we will denote by $\text{Span}(v_1, \ldots, v_m)$ the vector (sub)space over $\mathbb{F}_2$ generated by the elements $v_1, \ldots, v_m \in \mathbb{F}_{2^n}$.

Procedure 3.5 ([8]).
Let $U \subseteq S_F$ be a subspace of dimension k. Let $\{u_1, \ldots, u_k\}$ be a fixed basis of U. Let A_2 be such that $A_2^*(\beta_i) = u_i$ if $1 \leq i \leq k$ and $A_2^*(\beta_i) = 0$ if $k+1 \leq i \leq n$.
For any $u \in U \setminus \{0\}$ we consider the set $\mathcal{ZW}(u)$, as defined before. To construct A_1 we need to determine the images, with the adjoint operator A_1^*, of the vectors β_i's. In order to do that, we need to select any possible k-tuple $a_1 \in \mathcal{ZW}(u_1), \ldots, a_k \in \mathcal{ZW}(u_k)$ such that

(P1) $\sum_{i=1}^{k} \lambda_i a_i \in \mathcal{ZW}(\sum_{i=1}^{k} \lambda_i u_i)$ for any $\lambda_1, \ldots, \lambda_k \in \mathbb{F}_2$, not all zero.

These $a_1, \ldots, a_k$ will be the images by A_1^* of $\beta_1, \ldots, \beta_k$, respectively.
After that, for any of these k-tuples, we need to determine all possible $(n-k)$-tuples of elements $a_{k+1}, \ldots, a_n$ satisfying:

(P2) $a_{k+1}, \ldots, a_n$ are linearly independent;
(P3) for any $a \in \text{Span}(a_{k+1}, \ldots, a_n) \setminus \{0\}$, $a + \sum_{i=1}^{k} \lambda_i a_i \in \mathcal{ZW}(\sum_{i=1}^{k} \lambda_i u_i)$, for any $\lambda_1, \ldots, \lambda_k \in \mathbb{F}_2$.

Remark 3.6. Condition (P3) is equivalent to have

$$\text{Span}(a_{k+1}, \ldots, a_n) \subseteq \bigcap_{\lambda_i \in \mathbb{F}_2} \sum_{i=1}^{k} \lambda_i a_i + \mathcal{ZW}\left(\sum_{i=1}^{k} \lambda_i u_i\right),$$

where $a + \mathcal{ZW}(u) = \{a + v : v \in \mathcal{ZW}(u)\}$.

In the following we will give some observations in order to see how it is possible from Procedure 3.5 to obtain the EA-classes contained in the CCZ-class of a given function.

Observation 3.7 ([8]). Let $\{u_1, \ldots, u_k\}$ be any fixed basis of U (where k is the dimension of U), we can suppose that $A_2^*(\beta_i) = u_i$ for $i = 1, \ldots, k$ and $\ker(A_2^*) = \text{Span}(\beta_{k+1}, \ldots, \beta_n)$.
Indeed, suppose A_2^* is such that $A_2^*(w_i) = u_i$ for $i = 1, \ldots, k$ and $\ker(A_2^*) = \text{Span}(w_{k+1}, \ldots, w_n)$ for some $w_1, \ldots, w_n$ linearly independent. Then, we can consider the linear permutation L such that $L^*(\beta_i) = w_i$ for all i. Now, if $F_1(x) = A_1(x) + A_2(F(x))$ is a permutation, we can consider $F_1' = L \circ F_1$, which is again a permutation, and $A_2'^* = (L \circ A_2)^*$ is s.t. $A_2'^*(\beta_i) = u_i$ for $i = 1, \ldots, k$ and $\ker(A_2'^*) = \text{Span}(\beta_{k+1}, \ldots, \beta_n)$.

From the previous observation we have that if L_1 is such that $\text{Im}(A_2^*) = U$, then from the procedure applied to the subsbace U, with some fixed basis, we obtain at least one function L_1' such that $L_1 = L \circ L_1'$ for some linear permutation L. Thus, from Proposition 3.4 we obtain the same EA-class of L_1 from L_1'.

Observation 3.8. From the procedure we can see that in (P3) we need to check the subspaces of dimension $n - k$ contained in $\bigcap_{\lambda_i \in \mathbb{F}_2} \sum_{i=1}^{k} \lambda_i a_i + \mathcal{ZW}\left(\sum_{i=1}^{k} \lambda_i u_i\right)$. If we have $W \subseteq \bigcap_{\lambda_i \in \mathbb{F}_2} \sum_{i=1}^{k} \lambda_i a_i + \mathcal{ZW}\left(\sum_{i=1}^{k} \lambda_i u_i\right)$, of dimension $n - k$, then we can consider only one basis of W for constructing the elements $a_{k+1}, \ldots, a_n$ in Procedure 3.5. Indeed, let $\{a_{k+1}, \ldots, a_n\}$ and $\{a'_{k+1}, \ldots, a'_n\}$ be two basis of W. Let A_1 and A_1' constructed from the procedure applied to a fixed space U (and so also A_2 is fixed), such that $A_1^*(\beta_i) = A_1'^*(\beta_i) = a_i$ for $1 \leq i \leq k$, and $A_1^*(\beta_j) = a_j$, $A_1'^*(\beta_j) = a'_j$ for $k+1 \leq j \leq n$.
Let $V = \text{Span}(\beta_{k+1}, \ldots, \beta_n)$, the restriction of A_1^* and $A_1'^*$ over V, $A_1^*|_V$ and $A_1'^*|_V$, are bijections from V to W and thus $(A_1^*|_V)^{-1}$, $(A_1'^*|_V)^{-1}$ are well defined. Let L be a linear permutation such that $L^*(\beta_i) = \beta_i$ for $1 \leq i \leq k$ and $L^*(\beta_j) = (A_1^*|_V)^{-1}(a'_j)$ for $k+1 \leq j \leq n$ (note that $(A_1^*|_V)^{-1}(a'_j) \in V$ and they form a basis for V, so L is a permutation). Now it is easy to check that $A_1'(x) = L \circ A_1(x)$ and that $A_2(y) = L \circ A_2(y)$

implying that $A_1'(x) + A_2(y) = L(A_1(x) + A_2(y))$ and from Proposition 3.4 we will obtain the same EA-class from these functions.

From the same function A_2 we could obtain several L_1's. We will show how it is possible to filter some of the L_1 obtained from the procedure.

Proposition 3.9. *Let F be a function defined over $\mathbb{F}_{2^n}$ with no linear monomials. Let $\mathscr{L} = (L_1, L_2)$ and $\mathscr{L}' = (L_1', L_2')$ be two linear permutations over $(\mathbb{F}_{2^n})^2$ with $L_1(x,y) = A_1(x) + A_2(y)$ and $L_1'(x,y) = A_1'(x) + A_2(y)$. Suppose $F_1(x) = L_1(x, F(x))$ and $F_1'(x) = L_1'(x, F(x))$ are permutations and the linear codes $\mathscr{C}_{F_1}$ and $\mathscr{C}_{F_1'}$ are equal, where the code $\mathscr{C}_F$ is generated by the matrix having as columns the vectors*

$$\left(\ F(x) \ \right)_{x \in \mathbb{F}_{2^n}}.$$

Then, if $\mathrm{Span}(\mathrm{Im}(A_2 \circ F)) = \mathrm{Im}(A_2)$ the functions defined by the graphs $\mathscr{L}(G_F)$ and $\mathscr{L}'(G_F)$ are EA-equivalent.

Proof. Since $\mathscr{C}_{F_1} = \mathscr{C}_{F_1'}$ then there exists a linear permutations over $\mathbb{F}_{2^n}$ such that $F_1'(x) = L \circ F_1(x)$. In particular, since F has no linear monomials, we have that $L \circ A_2 \circ F = A_2 \circ F$ and $L \circ A_1 = A_1'$. Moreover, we have that $\mathrm{Span}(\mathrm{Im}(A_2 \circ F)) = \mathrm{Im}(A_2)$. This means that there exist $x_1, ..., x_k$ such that $F(x_1), ..., F(x_k)$ are linearly independent and $A_2 \circ F(x_1), ..., A_2 \circ F(x_k)$ form a basis for $\mathrm{Im}(A_2)$. Then, $\mathrm{Span}(\{F(x_1), ..., F(x_k)\}) \oplus \ker(A_2) = \mathbb{F}_{2^n}$ and thus $L \circ A_2(y) = A_2(y)$ for all $y \in \mathbb{F}_{2^n}$. From this, we can conclude that $L_1' = L \circ L_1$ and from Proposition 3.4 we have that the functions defined by the graphs $\mathscr{L}(G_F)$ and $\mathscr{L}'(G_F)$ are EA-equivalent. $\square$

For the case of functions F having nonlinearity different from zero we have that $\mathscr{C}_{F_1} = \mathscr{C}_{F_1'}$ is sufficient to guarantee EA-equivalence.

Proposition 3.10. *Let F be a function defined over $\mathbb{F}_{2^n}$ with $\mathscr{N}\mathscr{L}(F) \neq 0$ ($F(0) = 0$). Let $\mathscr{L} = (L_1, L_2)$ and $\mathscr{L}' = (L_1', L_2')$ be two linear permutations over $(\mathbb{F}_{2^n})^2$ with $L_1(x,y) = A_1(x) + A_2(y)$ and $L_1'(x,y) = A_1'(x) + A_2(y)$. Suppose $F_1(x) = L_1(x, F(x))$ and $F_1'(x) = L_1'(x, F(x))$ are permutations. If $\mathscr{C}_{F_1} = \mathscr{C}_{F_1'}$, where the code $\mathscr{C}_F$ is defined as in Proposition 3.9, then the functions defined by the graphs $\mathscr{L}(G_F)$ and $\mathscr{L}'(G_F)$ are EA-equivalent.*

Proof. Consider the matrix of size $2n \times 2^n$ with columns the vectors

$$M = \left(\begin{array}{c} x \\ F(x) \end{array} \right)_{x \in \mathbb{F}_{2^n}}.$$

Since $\mathscr{N}\mathscr{L}(F) \neq 0$ we have that the rows of this matrix are linear independent. Now, since F_1 is a permutation the rows of

$$\left(\ F_1(x) \ \right)_{x \in \mathbb{F}_{2^n}},$$

are linear independent and for any row there exists a unique way of combining the rows of M to get it. Thus, there exist a unique linear function $L_1(x,y)$ such that

$$\left(\ F_1(x) \ \right)_{x \in \mathbb{F}_{2^n}} = \left(\ L_1(x, F(x)) \ \right)_{x \in \mathbb{F}_{2^n}}.$$

Since $\mathscr{C}_{F_1} = \mathscr{C}_{F_1'}$ we have that there exists a linear permutation L such that

$$\left(\ L \circ F_1(x) \ \right)_{x \in \mathbb{F}_{2^n}} = \left(\ F_1'(x) \ \right)_{x \in \mathbb{F}_{2^n}},$$

and then ion

$$\left(\ L \circ L_1(x, F(x)) \ \right)_{x \in \mathbb{F}_{2^n}} = \left(\ L_1'(x, F(x)) \ \right)_{x \in \mathbb{F}_{2^n}}.$$

From the unicity of L_1 and L_1' we have that $L_1' = L \circ L_1$. $\square$

Remark 3.11. For the case of APN functions we have that the $\mathcal{NL}(F) \neq 0$ and so we can use this last proposition for filtering the functions obtained from Procedure 3.5.

Recalling that a simplex code (defined over $\mathbb{F}_2$) is a linear code of length $2^n - 1$ dimension n and all non zero codewords of hamming weight 2^{n-1}, we have the following upper bound on the number of EA-classes contained in the CCZ-class of a function F.

Corollary 3.12. *Let F be a function defined over $\mathbb{F}_{2^n}$ with $\mathcal{NL}(F) \neq 0$ ($F(0) = 0$). Let $\mathcal{C}(F)$ be the coded generated by*

$$\left(\begin{array}{c} x \\ F(x) \end{array} \right)_{x \in \mathbb{F}_{2^n}^\star}.$$

Then, the number of EA-classes contained in the CCZ-class of F is upper bounded by the number of the simplex codes contained in $\mathcal{C}(F)$.

4. EQUIVALENCE RELATION AND LINEAR CODES

The main cryptographic properties (e.g. the APN property, the nonlinearity...) can be interpreted as conditions on some binary linear codes, as first shown in [10].

Let F be a vectorial Boolean function then we can define the following codes related to F.

$$\mathcal{C}_1(F) = \left(\begin{array}{c} 1 \\ x \\ F(x) \end{array} \right)_{x \in \mathbb{F}_{2^n}},$$

the size of the matrix is $(2n + 1) \times 2^n$.

$$\mathcal{C}_2(F) = \left(\begin{array}{cc} 1 & 0 \\ x & 0 \\ F(x) & y \end{array} \right)_{x \in \mathbb{F}_{2^n}, y \in \mathbb{F}_{2^n}^\star}$$

the size of the matrix is $(2n + 1) \times (2^{n+1} - 1)$.

$$\mathcal{C}_3(F) = \left(\begin{array}{ccc} 1 & 0 & 0 \\ x & 0 & z \\ F(x) & y & 0 \end{array} \right)_{x \in \mathbb{F}_{2^n}, y, z \in \mathbb{F}_{2^n}^\star}$$

the size of the matrix is $(2n + 1) \times (2^{n+1} + 2^n - 2)$.

The equivalence between two function F anf G can be expressed in terms of linear codes. Indeed, we have the following result (see [6, 11])

Theorem 4.1. *Let F and G be two vectorial Boolean functions. Then we have:*

- *F is CCZ-equivalent to G iff $\mathcal{C}_1(F)$ is equivalent to $\mathcal{C}_1(G)$.*
- *F is EA-equivalent to G iff $\mathcal{C}_2(F)$ is equivalent to $\mathcal{C}_2(G)$.*
- *if F is not a permutation, F is affine-equivalent to G iff $\mathcal{C}_3(F)$ is equivalent to $\mathcal{C}_3(G)$. If F is a permutation, F is affine-equivalent to G or G^{-1} iff $\mathcal{C}_3(F)$ is equivalent to $\mathcal{C}_3(G)$.*

From the previous theorem when F and G are permutations we cannot distinguish if they are affine equivalent each other or one is equivalent to the inverse of the other.

A necessary and sufficient condition for affine equivalence between APN permutations is the following.

Theorem 4.2. *Let F and G be two APN permutations over $\mathbb{F}_{2^n}$, with $n \geq 4$. F is affine-equivalent to G iff $\mathscr{C}_4(F)$ is equivalent to $\mathscr{C}_4(G+b)$ for some $b \in \mathbb{F}_{2^n}$, where*

$$\mathscr{C}_4(F) = \begin{pmatrix} 1 & 0 & 1 \\ x & 0 & z \\ F(x) & y & 0 \end{pmatrix}_{x,z \in \mathbb{F}_{2^n},\, y \in \mathbb{F}_{2^n}^\star}$$

of size $(2n+1) \times (2^{n+1} + 2^n - 1)$.

Proof. Since F is affine equivalent to G then $B(F(Ax+a)) + b = G(x)$ for some A, B linear permutations and $a, b \in \mathbb{F}_{2^n}$. Suppose that $b = 0$, otherwise we can consider the function $G' = G + b$.

Considering $L_1 = A^{-1}$, $L_2 = B$ linear permutations and $a' = A^{-1}a$ we have

$$M \cdot \mathscr{C}_4(F) = \begin{pmatrix} 1 & 0 & 0 \\ a' & L_1 & 0 \\ 0 & 0 & L_2 \end{pmatrix} \times \begin{pmatrix} 1 & 0 & 1 \\ x & 0 & z \\ F(x) & y & 0 \end{pmatrix} = \begin{pmatrix} 1 & 0 & 1 \\ L_1(x) + a' & 0 & L_1(z) + a' \\ L_2(F(x)) & L_2(y) & 0 \end{pmatrix}$$

applying a permutation on the columns, the last matrix is $\mathscr{C}_4(G)$.

Vice versa, suppose that $\mathscr{C}_4(F)$ is equivalent to $\mathscr{C}_4(G')$, for some $G' = G + b$. We can suppose that $G' = G$ otherwise we will obtain the affine equivalence to G' which is equivalent to G.

Then there exists

$$M = \begin{pmatrix} c & \mathbf{d} & \mathbf{e} \\ a & L_1 & L_2 \\ b & L_3 & L_4 \end{pmatrix}$$

such that $M\mathscr{C}_4(F)$ is equal to $\mathscr{C}_4(G)$, unless to apply a permutations on the columns. Now,

$$M \cdot \mathscr{C}_4(F) = \left(\begin{array}{c|c|c} c + \mathbf{d} \cdot x + \mathbf{e} \cdot F(x) & \mathbf{e} \cdot y & c + \mathbf{d} \cdot z \\ \hline L_1(x) + L_2(F(x)) + a & L_2(y) & L_1(z) + a \\ \hline \underbrace{L_3(x) + L_4(F(x)) + b}_{\text{left part}} & \underbrace{L_4(y)}_{\text{middle part}} & \underbrace{L_3(z) + b}_{\text{right part}} \end{array} \right) \begin{array}{l} \}\text{upper part} \\ \}\text{center part} \\ \}\text{bottom part} \end{array} .$$

In the following we will refer to the different nine parts of the matrix as the left upper (LU) part, left center (LC) part, left bottom (LB) part, middle upper (MU) part, middle center (MC) part, middle bottom (MB) part, right upper (RU) part, right center (RC) part and right bottom (RB) part.

The first row of the matrix must have the same weight of the first row of $\mathscr{C}_4(G)$, that is 2^{n+1}. Suppose $\mathbf{d}, \mathbf{e} \neq 0$. Then $c + \mathbf{d} \cdot z$ and $\mathbf{e} \cdot y$ have weight 2^{n-1}, so $c + \mathbf{d} \cdot x + \mathbf{e} \cdot F(x)$ needs to be of weight 2^n. The only Boolean function of weight 2^n is the constant function 1 and thus $\mathbf{e} \cdot F(x) = c + \mathbf{d} \cdot x + 1$. Since F is APN we have $\mathscr{NL}(F) \neq 0$, so we have a contradiction. Similarly, the cases $\mathbf{d} \neq 0$, $\mathbf{e} = 0$ is not possible.

Suppose, now, $\mathbf{d} = 0$, $\mathbf{e} \neq 0$ (and then $c = 1$ otherwise we cannot have 2^{n+1} 1's in the upper part). We need to check if it is possible to obtain a permutation on the columns that could permit to obtain $\mathscr{C}_4(G)$.

Let $S = \{y : \mathbf{e} \cdot y = 0\}$, which is a subspace of dimension $n-1$. Then, the columns corresponding to $y \in S$ cannot be permuted with other columns corresponding to the part with $F(x)$ or z (the entries in the LU and RU part are all equal to 1), and the columns corresponding to $y \notin S$ need to be permuted with the left part since only here we have 0's on the first row.

Thus, we need to have $L_2(S) = 0$, implying $\text{rank}(L_2) \leq 1$. If $L_2 \equiv 0$, then $\text{rank}(L_1) \geq n-1$ otherwise M cannot be a permutation. But this implies that in the LC part (involving $L_1(x) + L_2(F(x)) + a$), we can obtain at most two zero columns and thus we cannot obtain the middle part of $\mathscr{C}_4(G)$. Similarly, if $\text{rank}(L_2) = 1$, then for all $y \notin S$ we have $L_2(y) = v$ for some fixed $v \in \mathbb{F}_{2^n}^\star$. Now, since we should permute any column in the left part for which the first row entry is 0, we have to move all the columns corresponding to $x \in F^{-1}(\mathbb{F}_{2^n} \setminus S)$.

Then, for these x's, we should have $L_1(x) + L_2(F(x)) + a = L_1(x) + v + a = 0$. This implies that $L_1(x) = v + a$ for all $x \in F^{-1}(\mathbb{F}_{2^n} \setminus S)$ and L_1 has at most rank equal to 1 (recall that F is a permutation and $|\mathbb{F}_{2^n} \setminus S| = 2^{n-1}$). So, M cannot be a permutation, contradiction.

Then, $c = 1$ and $\mathbf{d} = \mathbf{e} = 0$ and

$$M \cdot \mathscr{C}_4(F) = \begin{pmatrix} 1 & 0 & 1 \\ L_1(x) + L_2(F(x)) + a & L_2(y) & L_1(z) + a \\ L_3(x) + L_4(F(x)) + b & L_4(y) & L_3(z) + b \end{pmatrix}.$$

Now, we have that for obtaining $\mathscr{C}_4(G)$ we cannot permute the columns related to the middle part, involving the variable y, with the columns of the other parts. Thus $L_2 \equiv 0$ and

$$M \cdot \mathscr{C}_4(F) = \begin{pmatrix} 1 & 0 & 1 \\ L_1(x) + a & 0 & L_1(z) + a \\ L_3(x) + L_4(F(x)) + b & L_4(y) & L_3(z) + b \end{pmatrix}.$$

Moreover, since in the MB part we should have all the nonzero elements of $\mathbb{F}_{2^n}$, and in the LC and RC part all the elements of $\mathbb{F}_{2^n}$, we have that L_1 and L_4 need to be permutations.

We need now to prove that $L_3(z) + b = 0$. First note that if $L_3(z) + b = b \neq 0$ for all z, we should invert the right part with the left, implying $L_3(x) + L_4(F(x)) + b \equiv 0$, which is not possible.

Suppose, then, that $L_3(z) + b$ is not null (and not constantly equal to b), then in order to obtain $\mathscr{C}_4(G)$ we should change at least all the columns of the right part such that the RB part (involving $L_3(z) + b$) is nonzero with some columns of the left part of the matrix for which $L_3(x) + L_4(F(x)) + b$ is zero. Now, let $S = \{z : L_3(z) + b \neq 0\} = \mathbb{F}_{2^n} \setminus \{z : L_3(z) + b = 0\}$. If b is zero, then S is the complement of $\ker(L_3)$ otherwise it is the complement of $ker(L_3) + z'$ for some z' with $L_3(z') = b$. Since we need to permute all the columns of the right part related to $z \in S$ with some columns of the left part having zero on the LB part, we need $F'(x) = L_3(x) + L_4(F(x)) + b = 0$ for all $x \in S$. Indeed, since in the RC part (with $L_1(z) + a$) we should re-obtain all the elements of $\mathbb{F}_{2^n}$ we need to move from the left part to the right part all the columns relatives to $L_1(x) + a$ with $x \in S$.

Since $L_3(z) + b$ is not constantly zero (or equal to b) we have that $\ker(L_3) \neq \mathbb{F}_{2^n}$ and then $|S| \geq 2^{n-1}$. Now, since $|S| \geq 2^{n-1}$ we can find 4 distinct elements x_1, y_1, x_2, y_2 in S such that $y_1 = x_1 + a$ and $y_2 = x_2 + a$ for some $a \neq 0$. Indeed, if S is the complement of $\ker(L_3)$ suppose that $\dim(\ker(L_3)) = n - 1$ so $|S| = 2^{n-1}$ and $S = v + \ker(L_3)$ is an affine hyperplane for some v (if $\dim(\ker(L_3)) < n - 1$ then S contains an affine hyperplane). Thus, $n \geq 4$ implies that there exist three independent vectors x_1, x_2, a in $\ker(L_3)$, and then $x_1 + v, x_2 + v, x_1 + v + a, x_2 + v + a$ are all distinct and contained in S. While, if S is the complement of $\ker(L_3) + z'$, for some z', then S contains a vector space of dimension $n - 1$ and thus four distinct elements $x_1, x_2, x_1 + a, x_2 + a$.

Since F' is EA-equivalent to F (recall that L_4 is a permutation) F' is APN, but $D_a F'(x_1) = D_a F'(x_2)$ which is not possible.

Then, we have that $L_3(z)$ is constantly equal to 0 and we also need $b = 0$. So

$$M \cdot \mathscr{C}_4(F) = \begin{pmatrix} 1 & 0 & 1 \\ L_1(x) + a & 0 & L_1(z) + a \\ L_4(F(x)) & L_4(y) & 0 \end{pmatrix}.$$

and, unless to apply a permutation to the columns, we have that

$$\begin{pmatrix} 1 \\ L_1(x) + a \\ L_4(F(x)) \end{pmatrix} = \begin{pmatrix} 1 \\ x \\ G(x) \end{pmatrix},$$

that is, $L_4(F(L_1^{-1}(x) + L_1^{-1}(a))) = G(x)$. $\square$

Corollary 4.3. *Let F and G be two 2k-uniform permutations over $\mathbb{F}_{2^n}$, with $n \geq 3 + k$ and $\mathscr{NL}(F) \neq 0$. F is affine-equivalent to G iff $\mathscr{C}_4(F)$ is equivalent to $\mathscr{C}_4(G + b)$ for some $b \in \mathbb{F}_{2^n}$*

Proof. In the proof of Theorem 4.1, we used the property $\mathscr{NL}(F) \neq 0$ for determining the first row of M. Then, following the same steps we would obtain S as before which contain an (affine) hyperplane. Since $n - 1 \geq 2 + k$ we can individuate in S some vectors $x_1, ..., x_{k+1}, a$ linear independent (if S contains an affine hyperplane we just add a vector v to all of them). Thus $x_1, ..., x_{k+1}, x_1 + a, ..., x_{k+1} + a$ are all distinct vectors and $D_a F'(x_i) = 0$ with F', as above, EA-equivalent to F. Then F' is $2(k+1)$-uniform, which is not possible. $\square$

These theorems on the relation between the equivalences defined for Boolean functions and the related codes are quite useful. For instance, the computer algebra package MAGMA implements a function for checking code equivalence, hence for small values of n can be possible to distinguish the different types of equivalence. Note that for the case of the affine-equivalence in [1] it is given an algorithm for checking it. We do not compare the complexity of checking the affine equivalence with codes and the algorithm given in [1]. However, the implementation with the code equivalence is very easy in MAGMA.

5. EA-CLASSES DIMENSION 6

In this section, we give the analysis carried out for the known APN functions in dimension 6. We used Procedure 3.5 for obtaining the admissible linear functions L_1. Then, comparing the codes relative to $L_1(x, F(x))$ we used Proposition 3.10 for filtering the maps L_1. After that EA-equivalence was tested using the linear code $\mathscr{C}_2(F)$.

In dimension 6 there are 14 known APN functions (13 are quadratics) up to CCZ-equivalence and they are listed in Table 1. In Table 1 we give also the number of EA-classes contained in the CCZ-class of each function, together with the degrees of the function in the EA-classes. The representatives of each EA-class is given in the Appendix.

TABLE 1. CCZ-inequivalent APN functions over $\mathbb{F}_{2^6} = \langle \zeta \rangle$.

N.	function	# EA-classes	Degrees
1	x^3	3	{*2,3,4*}
2	$x^3 + \zeta^{11}x^6 + ux^9$	3	{* 2, 3, 4 *}
3	$\zeta x^5 + x^9 + \zeta^4 x^{17} + \zeta x^{18} + \zeta^4 x^{20} + \zeta x^{24} + \zeta^4 x^{34} + \zeta x^{40}$	19	{* 2, 3^^15, 4^^3 *}
4	$\zeta^7 x^3 + x^5 + \zeta^3 x^9 + \zeta^4 x^{10} + x^{17} + \zeta^6 x^{18}$	13	{*2, 3^^9, 4^^3 *}
5	$x^3 + \zeta x^{24} + x^{10}$	13	{*2, 3^^5, 4^^7 *}
6	$x^3 + \zeta^{17}(x^{17} + x^{18} + x^{20} + x^{24})$	91	{*2, 3^^66, 4^^24 *}
7	$x^3 + \zeta^{11}x^5 + \zeta^{13}x^9 + x^{17} + \zeta^{11}x^{33} + x^{48}$	19	{*2, 3^^15, 4^^3 *}
8	$\zeta^{25}x^5 + x^9 + \zeta^{38}x^{12} + \zeta^{25}x^{18} + \zeta^{25}x^{36}$	85	{*2, 3^^66, 4^^18 *}
9	$\zeta^{40}x^5 + \zeta^{10}x^6 + \zeta^{62}x^{20} + \zeta^{35}x^{33} + \zeta^{15}x^{34} + \zeta^{29}x^{48}$	91	{*2, 3^^63, 4^^27 *}
10	$\zeta^{34}x^6 + \zeta^{52}x^9 + \zeta^{48}x^{12} + \zeta^6 x^{20} + \zeta^9 x^{33} + \zeta^{23}x^{34} + \zeta^{25}x^{40}$	91	{*2, 3^^66, 4^^24 *}
11	$x^9 + \zeta^4(x^{10} + x^{18}) + \zeta^9(x^{12} + x^{20} + x^{40})$	86	{*2, 3^^69, 4^^16 *}
12	$\zeta^{52}x^3 + \zeta^{47}x^5 + \zeta x^6 + \zeta^9 x^9 + \zeta^{44}x^{12} + \zeta^{47}x^{33} + \zeta^{10}x^{34} + \zeta^{33}x^{40}$	92	{*2, 3^^69, 4^^22 *}
13	$\zeta(x^6 + x^{10} + x^{24} + x^{33}) + x^9 + \zeta^4 x^{17}$	85	{*2, 3^^66, 4^^18 *}
14	the non-quadratic function given in [12]	25	{* 3^^10, 4^^15 *}

5.1. Classification results for Dillon's APN permutation.
Further analysis was done for the case of the Kim function $x^3 + \zeta x^{24} + x^{10}$. Indeed, this function is equivalent to a permutation [7]. This is the only known example of APN function equivalent to a permutation in even dimension.

Using the code equivalence we can see that in the CCZ-class of the Dillon's APN permutation we have 13 EA-classes with two of them containing a permutation, while the number of affine classes containing a permutation are 4.

Let

$$
\begin{aligned}
F_1(x) =& \zeta^{57}x^{60} + \zeta^{56}x^{58} + \zeta^{43}x^{57} + \zeta^{31}x^{56} + \zeta^{29}x^{53} + \zeta^{27}x^{52} + \zeta^{28}x^{51} + \zeta^{35}x^{50} + \zeta^{54}x^{49} + \\
& \zeta^{51}x^{48} + \zeta x^{46} + \zeta^{54}x^{44} + \zeta^{50}x^{43} + \zeta^{50}x^{42} + \zeta^{32}x^{41} + \zeta^{49}x^{40} + \zeta^{36}x^{39} + \zeta^{14}x^{38} + \zeta^{16}x^{37} + \\
& \zeta^{15}x^{35} + \zeta^{43}x^{34} + \zeta^{23}x^{33} + \zeta^7 x^{32} + \zeta^7 x^{30} + \zeta^{57}x^{29} + \zeta^{11}x^{26} + \zeta^{49}x^{25} + \zeta^{36}x^{24} + \zeta^{42}x^{23} + \\
& \zeta^{40}x^{22} + \zeta^{34}x^{21} + \zeta^9 x^{20} + \zeta^{28}x^{19} + \zeta^4 x^{18} + \zeta^{50}x^{17} + \zeta^{58}x^{16} + \zeta x^{15} + \zeta^{48}x^{14} + \zeta^{33}x^{13} + \\
& \zeta^{31}x^{12} + \zeta^{43}x^{11} + \zeta^{14}x^{10} + \zeta^5 x^9 + \zeta^{45}x^8 + \zeta^{60}x^7 + \zeta^{31}x^6 + \zeta^{42}x^5 + \zeta^{10}x^4 + \zeta^{10}x^3 + \zeta^{48}x,
\end{aligned}
$$

$$
\begin{aligned}
F_2(x) =& \zeta^3 x^{60} + \zeta^{33}x^{58} + \zeta^{18}x^{57} + \zeta^8 x^{56} + \zeta^{38}x^{53} + \zeta^{28}x^{52} + \zeta^5 x^{51} + \zeta^{37}x^{50} + \zeta^9 x^{49} + \zeta^{45}x^{48} + \\
& \zeta^{10}x^{46} + \zeta^{54}x^{44} + \zeta^{25}x^{43} + \zeta^{50}x^{42} + \zeta^{55}x^{41} + \zeta^{30}x^{40} + \zeta^{45}x^{39} + \zeta^{41}x^{38} + \zeta^{14}x^{37} + \zeta^{49}x^{36} + \\
& \zeta^{31}x^{35} + x^{34} + \zeta^{46}x^{33} + \zeta^{20}x^{32} + \zeta^{47}x^{30} + \zeta^{32}x^{29} + \zeta^{57}x^{28} + \zeta^{47}x^{26} + \zeta^{44}x^{25} + \zeta^{17}x^{24} + \\
& \zeta^{19}x^{23} + \zeta^{61}x^{22} + \zeta^{31}x^{21} + \zeta^{31}x^{20} + \zeta^{48}x^{19} + \zeta^{58}x^{18} + \zeta^{21}x^{17} + x^{16} + \zeta^{39}x^{15} + \zeta^{44}x^{14} + \\
& \zeta^{35}x^{13} + \zeta^{21}x^{12} + \zeta^{15}x^{11} + \zeta^{54}x^{10} + \zeta^{62}x^9 + \zeta^{42}x^8 + \zeta^{62}x^7 + \zeta^{14}x^6 + \zeta^3 x^5 + \zeta^{29}x^4 + \\
& \zeta^{34}x^3 + \zeta^5 x^2 + \zeta^{46}x,
\end{aligned}
$$

and

$$
\begin{aligned}
F_3(x) = {} & \zeta^{61}x^{60} + \zeta^{60}x^{58} + \zeta^{49}x^{57} + \zeta^{24}x^{56} + \zeta^{21}x^{54} + \zeta^{16}x^{53} + \zeta^{36}x^{52} + \zeta^{35}x^{51} + \zeta^{17}x^{50} + \\
& \zeta^{28}x^{49} + \zeta^{14}x^{48} + \zeta^{62}x^{46} + \zeta^{9}x^{45} + \zeta^{21}x^{44} + \zeta^{29}x^{43} + \zeta^{22}x^{42} + \zeta^{35}x^{41} + \zeta^{41}x^{40} + \\
& \zeta^{51}x^{39} + \zeta^{46}x^{38} + \zeta^{37}x^{37} + \zeta^{7}x^{36} + \zeta^{32}x^{35} + \zeta^{45}x^{34} + \zeta^{16}x^{33} + \zeta^{55}x^{32} + \zeta^{11}x^{30} + \\
& \zeta^{8}x^{29} + \zeta^{29}x^{28} + \zeta^{6}x^{27} + \zeta^{58}x^{26} + \zeta^{28}x^{24} + \zeta^{15}x^{23} + \zeta^{44}x^{22} + \zeta^{35}x^{21} + \zeta^{32}x^{20} + \\
& \zeta^{53}x^{19} + \zeta^{42}x^{18} + \zeta^{50}x^{17} + x^{16} + \zeta^{12}x^{15} + \zeta^{27}x^{14} + \zeta^{30}x^{13} + \zeta^{7}x^{12} + \zeta^{52}x^{11} + \\
& \zeta^{43}x^{10} + \zeta^{7}x^{9} + \zeta^{17}x^{8} + \zeta^{5}x^{7} + \zeta^{17}x^{6} + \zeta^{43}x^{5} + \zeta^{13}x^{4} + \zeta^{57}x^{3} + \zeta^{35}x^{2} + \zeta^{49}x.
\end{aligned}
$$

Then, the CCZ-class can be represented by F_1, the EA-classes containing a permutations can be given by F_1 and F_1^{-1}, and the affine-classes (always with a permutation) are represented by F_1, F_1^{-1}, F_2 and F_3. Note that with the code equivalence of the code $\mathscr{C}_3(F)$ we would obtain only 3 functions since F_1 is not affine equivalent to its inverse, while using $\mathscr{C}_4(F)$ we can distinguish the two functions.

Remark 5.1. F_2 and F_3 are affine-equivalent to their inverses.

For all the APN permutations we have that the degree of their components are

```
{* 3^^7, 4^^56 *}
```

and the Walsh spectrum of the single components is given by the multi-set

```
{*
        {* -16, -8^^22, 0^^12, 8^^26, 16^^3 *}^^21,
        {* -16^^2, -8^^20, 0^^12, 8^^28, 16^^2 *}^^21,
        {* -16^^3, -8^^18, 0^^12, 8^^30, 16 *}^^7,
        {* -16^^6, 0^^48, 16^^10 *}^^7,
        {* -8^^24, 0^^12, 8^^24, 16^^4 *}^^7
 *}
```

6. On the EA-classes of functions in dimension 7 and 8

For dimension 7 and 8 it is still possible to implement Procedure 3.5. Thus we can obtain at least one representative of each EA-class. However, checking EA-equivalence with the code equivalence requires a huge amount of computations. Corollary 3.12 gives us an upper bound on the number of EA-classes based on the simplex codes contained in

$$
\begin{pmatrix} x \\ F(x) \end{pmatrix}_{x \in \mathbb{F}_{2^n}}.
$$

Using MAGMA we are able to provide the upper bound for all the known functions in $n = 7, 8$. Note that in dimension 7 and 8 we have a huge list of APN functions from [16]. For space reason here we give the upper bound only for the functions listed in [12] (for $n = 7$ we give all the upper bounds in the Appendix).

6.1. **n=7.** In dimension 7 in [12] were given 19 APN functions listed in Table 2 (in [16] the authors found 471 new functions more).

Remark 6.1. For the x^{13}, x^{57} and x^{63} we can derive the exact number of EA-classes. Indeed, the two simplex subcodes individuated for each ones are those generated by

$$
\begin{pmatrix} F(x) \end{pmatrix}_{x \in \mathbb{F}_{2^n}} \quad \text{or} \quad \begin{pmatrix} x \end{pmatrix}_{x \in \mathbb{F}_{2^n}}.
$$

TABLE 2. CCZ-inequivalent APN functions over $\mathbb{F}_{2^7}$ given in [12].

N.	function	# EA-classes $\leq$
1	x^3	256
2	x^5	256
3	x^9	256
4	x^{13}	2
5	x^{57}	2
6	$x^{63} (inverse)$	2
7	$x^3 + tr(x^9)$	184
8	$x^{34} + x^{18} + x^5$	184
9	$x^{20} + x^6 + x^3$	324
10	$x^{66} + x^{34} + x^{20} + x^{17} + x^3$	184
11	$x^{34} + x^{33} + x^{17} + x^3$	184
12	$x^{34} + x^{33} + x^{10} + x^5 + x^3$	296
13	$x^{66} + x^{18} + x^9 + x^3$	212
14	$x^{33} + x^{17} + x^{12} + x^3$	240
15	$x^{66} + x^{34} + x^{20} + x^3$	184
16	$x^{72} + x^{40} + x^{12} + x^3$	184
17	$x^{72} + x^{40} + x^{34} + x^6 + x^3$	184
18	$x^{34} + x^{33} + x^{12} + x^6 + x^5 + x^3$	240
19	no. 14.3 in [12, Table 7]	216

The representatives of the EA-classes that are related to these codes are F and F^{-1}. For x^{57} and x^{63} we have that they are cyclotomic equivalent (and thus affine equivalent) to their inverse, implying that the CCZ-class and and the EA-class coincide. For x^{13} we have that its inverse is given by x^{88}. Since the cyclotomic classes of these two functions are distinct we can conclude that they are not EA-equivalent. Thus for x^{13} we have 2 EA-classes in the CCZ-class.

6.2. **n=8.** In dimension 8 we have 23 functions in the tables given in [12], see Table 3 (in [16] the authors found 8157 new functions more). We extend the computation also to the case of the inverse function that is 4-differentially uniform in this case.

Remark 6.2. For x^{57} we have only one simplex code, which implies that we have only one EA-class. As in dimension 7 for the inverse function x^{127} we have two simplex codes and these are generated by

$$\left(\ F(x) \ \right)_{x \in \mathbb{F}_{2^n}} \quad \text{or} \quad \left(\ x \ \right)_{x \in \mathbb{F}_{2^n}} .$$

These codes are relative to the class of F and of F^{-1}, thus we can conclude as before that the CCZ-class contains only one EA-class.

6.3. **n=9.** For this dimension we consider only the non-Gold APN power functions. We give the upper bound on the number of EA-classes in Table 4.

TABLE 3. CCZ-inequivalent APN functions over $\mathbb{F}_{2^8}$ given in [12] and the inverse function.

N.	function	# EA-classes $\leq$
1	x^3	256
2	x^9	256
3	x^{57}	1
4	$\zeta^{15}x^{48} + \zeta^{16}x^{33} + \zeta^{16}x^{18} + x^{17} + x^3$	256
5	$x^3 + Tr(x^9)$	256
6	$x^9 + Tr(x^3)$	256
7	$\zeta^{21}x^{144} + \zeta^{183}x^{66} + \zeta^{245}x^{33} + x^3$	256
8	$\zeta^{135}x^{144} + \zeta^{120}x^{66} + \zeta^{65}x^{18} + x^3$	256
9	$\zeta^{67}x^{192} + \zeta^{182}x^{132} + \zeta^{24}x^6 + x^3$	256
10	$x^{160} + x^{132} + x^{80} + x^{68} + x^6 + x^3$	464
11	$x^{66} + x^{40} + x^{18} + x^5 + x^3$	368
12	$x^{130} + x^{66} + x^{40} + x^{12} + x^3$	400
13	$\zeta^{189}x^{192} + \zeta^{143}x^{144} + \zeta^{22}x^{132} + \zeta^{21}x^{129} + \zeta^{133}x^{96} + \zeta^{239}x^{72} + \zeta^{229}x^{66} + \zeta^{31}x^{48} +$ $\zeta^{187}x^{36} + \zeta^{185}x^{33} + \zeta^{68}x^{24} + \zeta^{236}x^{18} + \zeta^{75}x^{12} + \zeta^{91}x^9 + \zeta^{97}x^6 + \zeta^{160}x^3$	256
14	$\zeta^{100}x^{192} + \zeta^{12}x^{160} + \zeta^{15}x^{144} + \zeta^{243}x^{136} + \zeta^{234}x^{132} + \zeta^{33}x^{130} + \zeta^{39}x^{129} + \zeta^{139}x^{96} +$ $\zeta^{51}x^{80} + \zeta^{229}x^{72} + \zeta^{39}x^{68} + \zeta^{17}x^{66} + \zeta^{189}x^{65} + \zeta^{126}x^{48} + \zeta^{198}x^{40} + \zeta^{238}x^{36} + \zeta^{192}$ $x^{34} + \zeta^{217}x^{33} + \zeta^{122}x^{24} + \zeta^{144}x^{20} + \zeta^{169}x^{18} + \zeta^{141}x^{17} + \zeta^{236}x^{12} +$ $\zeta^{117}x^{10} + \zeta^{183}x^9 + \zeta^{184}x^6 + \zeta^{231}x^5 + \zeta^{228}x^3$	400
15	$\zeta^{155}x^{192} + \zeta^{96}x^{144} + \zeta^{223}x^{132} + \zeta^{77}x^{129} + \zeta^{88}x^{96} + \zeta^{232}x^{72} + \zeta^{69}x^{66} + \zeta^{142}x^{48} +$ $\zeta^{168}x^{36} + x^{33} + \zeta^{145}x^{24} + \zeta^{234}x^{18} + \zeta^{202}x^{12} + \zeta^{94}x^9 + \zeta^{189}x^6 + \zeta^{241}x^3$	256
16	$\zeta^{126}x^{192} + \zeta^{119}x^{144} + \zeta^{221}x^{132} + \zeta^{222}x^{129} + \zeta^{79}x^{96} + \zeta^{221}x^{72} + \zeta^{187}x^{66} +$ $\zeta^{148}x^{48} + \zeta^{187}x^{36} + \zeta^{237}x^{24} + \zeta^{231}x^{12} + \zeta^{119}x^9 + \zeta^{244}x^6 + \zeta^{236}x^3$	256
17	$\zeta^{151}x^{192} + \zeta^{13}x^{144} + \zeta^{58}x^{132} + \zeta^{143}x^{129} + \zeta^{110}x^{96} + \zeta x^{72} + \zeta^{244}x^{66} + \zeta^{26}x^{48} +$ $\zeta^{180}x^{36} + \zeta^8 x^{33} + \zeta^{69}x^{24} + \zeta^{76}x^{18} + \zeta^{201}x^{12} + \zeta^{201}x^9 + \zeta^{19}x^6 + \zeta^{107}x^3$	256
18	$\zeta^{86}x^{192} + \zeta^{224}x^{129} + \zeta^{163}x^{96} + \zeta^{102}x^{66} + \zeta^{129}x^{48} + \zeta^{102}x^{36} + \zeta^{170}x^{33} +$ $\zeta^{14}x^{24} + \zeta^{170}x^{18} + \zeta^{101}x^{12} + \zeta^{58}x^6 + \zeta^{254}x^3$	256
19	$\zeta^{95}x^{192} + \zeta^{242}x^{144} + \zeta^{195}x^{132} + \zeta^{98}x^{129} + \zeta^{84}x^{96} + \zeta^{45}x^{72} + \zeta^{234}x^{66} + \zeta^{202}x^{48} +$ $\zeta^{159}x^{36} + \zeta^{58}x^{33} + \zeta^{23}x^{24} + \zeta^{148}x^{18} + \zeta^{230}x^{12} + \zeta^{32}x^9 + \zeta^{54}x^6 + \zeta^{41}x^3$	256
20	$\zeta^{132}x^{192} + \zeta^{37}x^{144} + \zeta^{91}x^{132} + \zeta^{188}x^{129} + \zeta^{76}x^{96} + \zeta^{162}x^{72} + \zeta^{46}x^{66} + \zeta^{252}x^{48} +$ $\zeta^{42}x^{36} + \zeta^{81}x^{33} + \zeta^{83}x^{24} + \zeta^{13}x^{18} + \zeta^{185}x^{12} + \zeta^{163}x^9 + \zeta^{216}x^6 + \zeta^{181}x^3$	256
21	$\zeta^{91}x^{192} + \zeta^{124}x^{144} + \zeta^{214}x^{132} + \zeta^{106}x^{129} + \zeta^{59}x^{96} + \zeta^{172}x^{72} + \zeta^{138}x^{66} +$ $\zeta^{163}x^{48} + \zeta^{58}x^{36} + \zeta^{100}x^{33} + \zeta^{32}x^{24} + \zeta^{250}x^{18} + \zeta^{45}x^{12} + \zeta^{241}x^6 + \zeta^{157}x^3$	256
22	$\zeta^{25}x^{192} + \zeta^{140}x^{144} + \zeta^{59}x^{132} + \zeta^{129}x^{129} + \zeta^{42}x^{96} + \zeta^{164}x^{72} + \zeta^{149}x^{66} + \zeta^{119}x^{48} +$ $\zeta^{74}x^{36} + \zeta^{211}x^{33} + \zeta^9 x^{24} + \zeta^{46}x^{18} + \zeta^{130}x^{12} + \zeta^{185}x^9 + \zeta^{147}x^6 + \zeta^{27}x^3$	256
23	$\zeta^{113}x^{192} + \zeta^{56}x^{144} + \zeta^{68}x^{132} + \zeta^{155}x^{129} + \zeta^{91}x^{96} + \zeta^{78}x^{72} + \zeta^{159}x^{66} + \zeta^{30}x^{48} +$ $\zeta^{194}x^{36} + \zeta^{14}x^{33} + \zeta^{238}x^{24} + \zeta^{91}x^{18} + \zeta^{100}x^{12} + \zeta^{96}x^9 + \zeta^{222}x^6 + \zeta^{178}x^3$	256
-	x^{127} (inverse)	2

TABLE 4. CCZ-inequivalent APN functions over $\mathbb{F}_{2^8}$ given in [12] and the inverse function.

N.	function	# EA-classes $\leq$
1	x^{13}	2
2	x^{19}	2
3	x^{241}	2
4	$x^{255} (inverse)$	2

Remark 6.3. As before for x^{13}, x^{19} and x^{241} we have two simplex code and two EA-classes for each function. For the inverse function x^{255} we have two simplex codes but only one EA-class.

In [14] the authors investigate EA-equivalence of the inverse function to a permutation. They concluded that for $n \geq 5$ if the inverse function is EA-equivalent to a permutation if and only if it is affine equivalent to it. As the authors state at the end of their paper, an interesting problem is whether or not there exists a permutation that is CCZ-equivalent to x^{-1} but not affine equivalent. From our computational result we can conclude the following.

Theorem 6.4. *Let $5 \leq n \leq 9$. A permutation polynomial F defined over $\mathbb{F}_{2^n}$ is CCZ-equivalent to x^{-1} if and only if F is affine-equivalent to x^{-1}.*

Proof. For $5 \leq n \leq 9$ we obtain only the two simplex codes generated by

$$\left(\; F(x) \; \right)_{x \in \mathbb{F}_{2^n}} \quad \text{or} \quad \left(\; x \; \right)_{x \in \mathbb{F}_{2^n}}.$$

This implies that we have only the EA-class of x^{-1} since it is an involution. Now, the permutations in the EA-class of x^{-1} can be obtained only with the affine equivalence [14]. □

We conjecture the following.

Conjecture 6.5. For $n \geq 5$, a permutation polynomial F defined over $\mathbb{F}_{2^n}$ is CCZ-equivalent to x^{-1} if and only if F is affine-equivalent to x^{-1}.

Moreover, in [8] the authors conjectured that the CCZ-class of non-Gold APN power functions can be obtained using iteratively EA-equivalence together with the inverse transformation. In particular, using Procedure 3.5 they proved that for $n \leq 8$ the conjecture is true. From the results obtained here we were able to verify that this is true up to dimension 9 and in particular we have at most two EA-classes which representatives are F and F^{-1}.

Theorem 6.6. *Let $n \leq 9$ and $F(x) = x^d$ be a non-Gold APN function defined over $\mathbb{F}_{2^n}$. Then the CCZ-class of F is partitioned in at most two EA-classes represented by F and F^{-1} (when exists).*

7. CONCLUSION

We gave the full classification, up to EA-equivalence, of the known APN functions in dimension 6. Moreover, for the case of the unique APN permutation in even dimension, we gave also the classification of the affine classes. For this purpose, we introduced a new code linked to a vectorial Boolean function that permits to investigate the affine equivalence in the contest of bijective maps.

For dimension 7, 8 and 9, since checking EA-equivalence using the codes equivalence requires a huge amount of computing we gave an upper bound on the number of the EA-classes of the known APN functions (in dimension 9 we consider only non-Gold APN power functions). For the case of non-Gold APN power

maps, we observed that at most we have two EA-classes in the CCZ-class. Moreover, for the inverse function we have for $5 \leq n \leq 9$ that the EA-class coincides with the CCZ-class, implying that for these dimensions the inverse function is CCZ-equivalent a permutation if and only if they are affine equivalent.

REFERENCES

[1] Biryukov A., Cannière C.D., Braeken A., Preneel B.: A toolbox for cryptanalysis: linear and affine equivalence algorithms. In: EUROCRYPT, pp. 33–50 (2003).

[2] Biham, E., Shamir, A., *Differential cryptanalysis of DES-like cryptosystems*. J. Cryptol. 4(1), 3–72 (1991)

[3] L. Budaghyan, C. Carlet, and A. Pott, *New classes of almost bent and almost perfect nonlinear polynomials*. IEEE Transactions on Information Theory 52.3 (2006): 1141-1152.

[4] Bracken, C., Byrne, E., Markin, N., McGuire, G., *A few more quadratic APN functions*. Cryptogr. Commun. 3(1), 43–53 (2011)

[5] M. Brinkmann, and G. Leander. *On the classification of APN functions up to dimension five*. Designs, Codes and Cryptography 49.1-3 (2008): 273-288.

[6] K. A. Browning, J.F. Dillon, R.E. Kibler, and M. T. McQuistan. APN Polynomials and Related Codes. J. of Combinatorics, Information and System Sciences, 34(1-4):135?159, 2009

[7] Browning, K.A., Dillon, J.F., McQuistan, M.T., *An APN permutation in dimension six*. In: Contemporary Mathematics, Vol. 518 (Post Proceedings of the Ninth International Conference on Finite Fields and Their Applications-Fq9), J Am Math Soc, pp. 33–42 (2010)

[8] L. Budaghyan, M. Calderini, and I. Villa, *On relations between CCZ- and EA- equivalences*, `https://eprint.iacr.org/2018/796.pdf`, 2018

[9] A. Canteaut and L. Perrin, *On CCZ-Equivalence, Extended-Affine Equivalence, and Function Twisting*, Cryptology ePrint Archive, Report 2018/713, `https://eprint.iacr.org/2018/713`, 2018.

[10] C. Carlet, P. Charpin, and V. Zinoviev, *Bent functions and permutations suitable for DES-like cryptosystems*, Des. Codes Cryptogr. **15** (1998), 125–156.

[11] Edel, Y.; Pott, A. *On the equivalence of non-linear functions*. Enhancing cryptographic primitives with techniques from error correcting codes, 87–103, NATO Sci. Peace Secur. Ser. D Inf. Commun. Secur., 23, IOS, Amsterdam, 2009.

[12] Y. Edel, and A. Pott, *A new almost perfect nonlinear function which is not quadratic*. Adv. in Math. of Comm. 3.1 (2009): 59-81.

[13] P. Langevin, Z. Saygi, and E. Saygi. *Classification of APN cubics in dimension 6 over GF(2)*. `http://langevin.univ-tln.fr/project/apn-6/apn-6.html`.

[14] Li, Y., and Wang M., *Permutation polynomials EA-equivalent to the inverse function over $GF(2^n)$*. Cryptography and Communications 3.3 (2011): 175-186.

[15] Matsui, L., *Linear cryptanalysis method for DES cipher*. Advances in Cryptology EUROCRYPT93, pp. 386–397. Springer, Berlin Heidelberg (1994)

[16] Yu, Yuyin, Mingsheng Wang, and Yongqiang Li, *A matrix approach for constructing quadratic APN functions*, Designs, codes and cryptography 73.2 (2014): 587-600.

(M. Calderini) DEPARTMENT OF INFORMATICS, UNIVERSITY OF BERGEN, BERGEN, NORWAY

Appendix 1

REPRESNTATIVES EA–CLASSES GF(64)

Function:
x^3

#EA–Classes: 3

Degrees:{*2,3,4*}

Representatives:
[
    u^55*x^56 + u^58*x^52 + u^51*x^50 + u^5*x^49 + u^27*x^48 + u^61*x^44 + u^8*x^42 + u^41*x^41 + u^33*x^38 + u^49*x^37 + u^24*x^36 + u^35*x^35 + u^19*x^34 + u^33*x^33 + u^50*x^32 + u^35*x^28 + u^23*x^26 + u^29*x^25 + u^15*x^24 + u*x^22 + u^51*x^21 + u^53*x^20 + u^3*x^19 + u^38*x^18 + u^36*x^17 + u^28*x^16 + u^8*x^14 + u^22*x^13 + u^34*x^12 + u^23*x^11 + u^57*x^10 + u*x^9 + u^12*x^8 + u^59*x^7 + u^12*x^6 + u^18*x^5 + u^29*x^4 + u^8*x^3 + u^15*x^2 + u^16*x,

    x^3,

    u^24*x^60 + u^5*x^58 + u^54*x^57 + u^7*x^56 + u^48*x^54 + u^16*x^53 + u^13*x^52 + u^51*x^51 + u^4*x^50 + u^62*x^49 + u^54*x^48 + u^44*x^46 + u^39*x^45 + u^2*x^44 + u^38*x^43 + u^50*x^42 + u^51*x^41 + u^16*x^40 + u^45*x^39 + u^14*x^38 + u^35*x^36 + u^5*x^35 + u^45*x^34 + u^56*x^33 + u^61*x^32 + u^9*x^30 + u^31*x^29 + u^28*x^28 + u^21*x^27 + u^59*x^26 + u^59*x^25 + u^33*x^24 + u^19*x^23 + u^52*x^22 + u^10*x^21 + u^13*x^20 + u^10*x^19 + u^61*x^18 + u^20*x^17 + u^50*x^16 + u^33*x^15 + u^36*x^14 + u^33*x^13 + u^15*x^12 + u^34*x^11 + u^33*x^10 + u^7*x^9 + u^38*x^8 + u^45*x^7 + u^60*x^6 + u^14*x^5 + u^34*x^4 + u^61*x^3 + u^6*x^2 + u^50*x
]

Function:
x^3 + u^11*x^6 + u*x^9,

#EA–Classes: 3

Degrees: {* 2, 3, 4 *}

Representatives:

[
    u*x^9 + u^11*x^6 + x^3,

    u^25*x^60 + u^6*x^58 + u^55*x^57 + u^24*x^56 + u^49*x^54 + u^17*x^53 + u^12*x^52 + u^52*x^51 + u^59*x^50 + u^51*x^49 + u^42*x^48 + u^45*x^46 + u^40*x^45 + u^7*x^44 + u^39*x^43 + u^28*x^42 + u^29*x^41 + u^41*x^40 + u^46*x^39 + u^14*x^38 + u^59*x^37 + u^27*x^36 + u^8*x^35 + u^57*x^34 + u^10*x^33 + u^58*x^32 + u^10*x^30 + u^32*x^29 + u^22*x^28 + u^22*x^27 + u^45*x^26 +u^36*x^25 + u^44*x^24 + u^20*x^23 + u^37*x^22 + u^40*x^21 + u^47*x^20 + u^49*x^19 + u^60*x^18 + u^54*x^17 + x^16 + u^34*x^15 + u^37*x^14 + u^57*x^13 + u^25*x^12 + u^16*x^11 + u^37*x^10 + u^7*x^9 + u^20*x^8 + u^51*x^7 + u^11*x^6 + u^10*x^5 + u^7*x^4 + u^48*x^3 + u^43*x^2 + u^14*x,

    u^47*x^56 + u^11*x^52 + u^59*x^50 + u^54*x^49 + u^10*x^48 + u^4*x^44 + u^61*x^42 + u^55*x^41 + u^45*x^40 + u^28*x^38 + u^38*x^37 + u^34*x^36 + u^21*x^35 + u^12*x^34 + u^57*x^33 + u^7*x^32 + u^34*x^28 + u^60*x^26 + u^9*x^25 + u^4*x^24 + u^49*x^22 + u^36*x^21 + u^8*x^20 + u^21*x^19 + u^30*x^18 + x^17 + u^53*x^16 + u^17*x^14 + u^13*x^13 + u^58*x^12 + u^28*x^11 + u^30*x^10 + u^16*x^9 + u^27*x^8 + u^2*x^7 + u^17*x^6 + u^15*x^5 + u^7*x^4 + u^7*x^3 + u^2*x^2 + u^10*x
]

Function:
u*x^5 + x^9 + u^4*x^17 + u*x^18 + u^4*x^20 + u*x^24 + u^4*x^34 + u*x^40

#EA–Classes: 19

Degrees: {* 2, 3^^15, 4^^3 *}

Representatives:

[
    u^26*x^56 + u^41*x^52 + u^49*x^50 + u^46*x^49 + u^20*x^48 + u^37*x^44 + u^26*x^42 + u^22*x^41 + u^29*x^40 + u^21*x^38 + u^6*x^37 + u^24*x^36 + u^50*x^35 + u^34*x^34 + u^52*x^33 + u^47*x^32 + u^14*x^28 + u^47*x^26 + u^48*x^25 + u^56*x^24 + u^21*x^22 + u^36*x^21 + u^21*x^20 + u^5*x^19 + u^6*x^18 + u^39*x^17 + u^32*x^16 + u^6*x^14 + u^2*x^13 + u^15*x^12 + u^44*x^11 + u^19*x^10 + u^52*x^9 + u^34*x^8 + u^58*x^7 + u^61*x^6 + u^29*x^5 + u^48*x^4 + u^19*x^3 + u^17*x^2 + u^2*x,

    u^38*x^56 + u^29*x^52 + u^24*x^50 + u^8*x^49 + u^43*x^44 + u^17*x^42 + u^28*x^41 + u^53*x^40 + u^41*x^38 + u^60*x^37 + u^26*x^36 + u^15*x^35 + u^36*x^34 + u^34*x^33 + u^31*x^32 + u^25*x^28 + u^50*x^26 + u*x^25 + u^35*x^24 + u^41*x^22 + u^53*x^21 + u^27*x^20 + u^20*x^19 + u^44*x^18 + u^55*x^17 + u^53*x^16 + u^24*x^14 + u^17*x^13 + u^54*x^12 + u^25*x^11 + u^11*x^10 + u^44*x^9 + u^44*x^8 + u^26*x^7 + u^11*x^6 + u^14*x^5 + u^28*x^4 + u^41*x^3 + u^12*x^2 + u^17*x,

    u*x^56 + u^10*x^52 + u^31*x^50 + u^2*x^49 + u^26*x^48 + u^43*x^44 + u^49*x^42 + u^9*x^41 + u^8*x^40 + u^33*x^38 + u^11*x^37 + u^16*x^36 + u^23*x^35 + u^9*x^34 + u^2*x^33 + u^35*x^32 + u^60*x^28 + u^9*x^26 + u^15*x^25 + u^12*x^24 + u^62*x^22 + u^9*x^21 + u^37*x^20 + u^36*x^19 + x^18 + u^2*x^17 + u^42*x^16 + u^45*x^14 + u^15*x^13 + u^5*x^12 + u^16*x^11 + u^5*x^10 + u^15*x^9 + u^31*x^8 + u^46*x^7 + u^46*x^6 + u^43*x^5 + u^28*x^4 + u^49*x^3 + u^6*x^2 + u^57*x,

    u^54*x^56 + u^62*x^52 + u^26*x^50 + u^46*x^49 + u^36*x^48 + u^33*x^44 + u^8*x^42 + u^53*x^41 + x^40 + u^9*x^38 + u^20*x^37 + u^36*x^36 + u^33*x^35 + u^43*x^34 + u^15*x^33 + u^14*x^32 + u^12*x^28 + u^60*x^26 + u^7*x^25 + u^53*x^24 + u^18*x^22 + u^39*x^21 + u^44*x^20 + u^37*x^19 + u^23*x^18 + u^21*x^17 + u^28*x^16 + u^12*x^14 + u^54*x^13 + u^6*x^12 + u^45*x^11 + u^53*x^10 + u^9*x^9 + u*x^8 + u^6*x^7 + u^55*x^6 + u^30*x^5 + u^38*x^4 + u^4*x^3 + u^36*x^2 + u^44*x,

    u^17*x^60 + u^61*x^58 + u^47*x^57 + u^20*x^56 + u^41*x^54 + u^9*x^53 + u^31*x^52 + u^44*x^51 + u^5*x^50 + u^61*x^49 + u^38*x^48 + u^37*x^46 + u^32*x^45 + u^35*x^44 + u^31*x^43 + u^10*x^42 + u^27*x^41 + u^54*x^40 + u^38*x^39 + u^44*x^38 + u^20*x^37 + u^8*x^36 + u^37*x^35 + u^57*x^34 + u^14*x^33 + u^21*x^32 + u^2*x^30 + u^24*x^29 + u^27*x^28 + u^14*x^27 + u^32*x^26 + u^30*x^25 + u^45*x^24 + u^12*x^23 + u^59*x^22 + u^11*x^21 + u^49*x^20 + u^38*x^19 + u^37*x^18 + u^35*x^17 + u^32*x^16 + u^26*x^15 + u^4*x^14 + u^28*x^13 + u^37*x^12 + u^50*x^11 + u^23*x^10 + u^23*x^9 + u^40*x^8 + u^33*x^7 + u^13*x^6 + u^16*x^5 + u^18*x^4 + u^7*x^3 + u^25*x^2 + u^54*x,

    u^19*x^56 + u^60*x^52 + u^16*x^50 + u^34*x^49 + u^41*x^48 + u^50*x^44 + u^31*x^42 + u^24*x^41 + u^12*x^40 + u^2*x^38 + u^3*x^37 + u^61*x^36 + u^19*x^35 + u^29*x^34 + u^39*x^33 + u^31*x^32 + u^52*x^28 + u^45*x^26 + u^56*x^25 + u^16*x^24 + u^62*x^22 + u^16*x^21 + u^18*x^20 + u^34*x^19 + u^53*x^18 + u^8*x^17 + u^5*x^16 + u^51*x^14 + u^39*x^13 + u^42*x^12 + u^45*x^11 + u^24*x^10 + u^37*x^9 + u^46*x^8 + u^20*x^7 + u^44*x^6 + u^48*x^5 + u^41*x^4 + u^2*x^3 + u^16*x^2 + u^23*x,

    u^24*x^60 + u^5*x^58 + u^54*x^57 + u^12*x^56 + u^48*x^54 + u^16*x^53 + u^20*x^52 + u^51*x^51 + u^47*x^50 + u^19*x^49 + u^61*x^48 + u^44*x^46 + u^39*x^45 + u^16*x^44 + u^38*x^43 + u^42*x^42 + u^62*x^41 + u^36*x^40 + u^45*x^39 + u^50*x^38 + u^20*x^37 + u^7*x^36 + u^8*x^35 + u^58*x^34 + u*x^33 + u^27*x^32 + u^9*x^30 + u^31*x^29 + u^50*x^28 + u^21*x^27 + u^44*x^26 + u^5*x^25 + u^23*x^24 + u^19*x^23 + u^3*x^22 + u^18*x^21 + u^14*x^20 + u^13*x^19 + u^16*x^18 + u^42*x^17 + u^44*x^16 + u^33*x^15 + u^41*x^14 + u^28*x^13 + u^27*x^12 + u^62*x^11 + u^22*x^10 + u^52*x^9 + u^50*x^8 + u^24*x^7 + u^20*x^6 + u^49*x^5 + u^6*x^4 + u^10*x^3 + u^34*x^2 + u^11*x,

    u^40*x^56 + u^44*x^52 + u^12*x^50 + u^41*x^49 + x^48 + u^17*x^44 + u^18*x^42 + u^20*x^41 + u^16*x^40 + u^17*x^38 + u^3*x^37 + u^45*x^36 + u^13*x^35 + u^38*x^34 + u^8*x^33 + u^54*x^32 + u^7*x^26 + u^56*x^25 + u^4*x^24 + u^46*x^22 + u^56*x^21 + u^33*x^20 + u^14*x^19 + u^56*x^18 + u^43*x^17 + u^27*x^16 + u^31*x^14 + u^28*x^13 + u^28*x^12 + u^30*x^11 + u^29*x^10 + u^48*x^9 + u^24*x^8 + u^33*x^7 + u^43*x^6 + u*x^5 + u^7*x^4 + u^62*x^3 + u^46*x^2 + u^62*x,

    u^57*x^56 + u^12*x^52 + u^43*x^50 + u^53*x^49 + u^3*x^48 + u^12*x^44 + u^5*x^42 + u*x^41 + u^38*x^40 + u^17*x^38 + u^45*x^37 + u^22*x^36 + u^11*x^35 + u^41*x^34 + u^46*x^33 + u^3*x^32 + u^46*x^28 + u^59*x^26 + u^20*x^25 + u^3*x^24 + u^46*x^22 + u^38*x^21 + u^6*x^20 + u^18*x^19 + u^43*x^18 + u^34*x^17 + u^8*x^16 + u^10*x^14 + u^42*x^13 + u^42*x^12 + u^5*x^11 + u^11*x^10 + u^55*x^9 + u^4*x^8 + u^31*x^7 + u^50*x^6 + u^9*x^5 + u^3*x^4 + u^45*x^3 + u*x,

    u^24*x^56 + u^26*x^52 + u^2*x^50 + u^3*x^49 + u^16*x^48 + u^14*x^44 + u^36*x^42 + u^48*x^41 + u^22*x^38 + u^55*x^37 + u^32*x^36 + u^21*x^35 + u^9*x^34 + u^59*x^33 + u^6*x^32 + u^42*x^28 + u^11*x^26 + u^11*x^25 + u^5*x^24 + u^56*x^22 + u^11*x^21 + u^38*x^20 + u^30*x^19 + u^36*x^18 + u^10*x^17 + u^59*x^16 + u^32*x^14 + u^24*x^13 + u^10*x^12 + u^41*x^11 + u^41*x^10 + u^54*x^9 + u^39*x^7 + u^19*x^6 + u^32*x^5 + u^54*x^4 + u^60*x^3 + u^3*x^2 + u^35*x,

    u^8*x^56 + u^15*x^52 + u^17*x^50 + u^40*x^49 + u^33*x^48 + u^40*x^44 + u^11*x^42 + u^41*x^41 + u^29*x^40 + u^32*x^38 + u^25*x^37 + u^38*x^36 + u^52*x^35 + u^21*x^34 + u^46*x^33 + u^44*x^32 + u^58*x^28 + u^26*x^25 + u^20*x^24 + u^2*x^22 + u^13*x^21 + u^46*x^20 + u^34*x^19 + u^21*x^18 + u^7*x^17 + u^30*x^16 + u^16*x^14 + u^61*x^13 + u^3*x^12 + u^21*x^11 + u^24*x^10 + u^41*x^9 + u^19*x^8 + u^25*x^7 + u^2*x^6 + u^56*x^5 + u^35*x^4 + u^43*x^3 + u^40*x^2 + u^9*x,

```
  u^32*x^60 + u^13*x^58 + u^62*x^57 + u^11*x^56 + u^56*x^54 + u^24*x^53 + u^36*x^52 + u^59*x^51 + x^50 + u^29*x^49 + u^42*x^48 + u^52*x^46 + u^47*x^45 + u^33*x^44 + u^46*x^43 + u^6*x^42 +
    u^27*x^41 + u^23*x^40 + u^53*x^39 + u^17*x^38 + u^60*x^37 + x^36 + u^54*x^35 + u^49*x^34 + u^15*x^33 + u^47*x^32 + u^17*x^30 + u^39*x^29 + u^31*x^28 + u^29*x^27 + u^42*x^26 + u^41*x^25 +
    u^22*x^24 + u^27*x^23 + u^23*x^22 + u^39*x^21 + u^27*x^20 + u^30*x^19 + u^47*x^18 + u^30*x^17 + u^15*x^16 + u^41*x^15 + u^57*x^14 + u^20*x^13 + u^38*x^12 + u^10*x^11 + u^52*x^10+u^58*x^9
    + u^36*x^8 + u^48*x^7 + u^42*x^6 + u^31*x^5 + u^36*x^4 + u^55*x^3 + u^55*x^2 + u^55*x,

  u^14*x^56 + u^51*x^52 + u^27*x^50 + u^19*x^49 + u^36*x^48 + u^8*x^44 + u^61*x^42 + u^2*x^41 + u^18*x^40 + u^52*x^38 + u^5*x^37 + u^54*x^36 + u^54*x^35 + u^24*x^34 + u^23*x^33 + u^17*x^32 +
    u^55*x^28 + u^34*x^26 + u^2*x^25 + u^10*x^24 + u^34*x^22 + u^27*x^21 + u^29*x^20 + u^27*x^19 + u^54*x^18 + u^49*x^17 + u^56*x^16 + u^56*x^14 + u^37*x^13 + u^20*x^12 + u^37*x^11 +u^45*x^10
    + u^52*x^9 + u^24*x^8 + u^13*x^7 + u^60*x^6 + u^56*x^5 + u^53*x^4 + u^34*x^3 + u^57*x^2 + u^19*x,

  u^30*x^56 + u^10*x^52 + u^56*x^50 + u^14*x^49 + u^37*x^48 + u^60*x^44 + u^10*x^42 + u^23*x^41 + u^42*x^40 + u^61*x^38 + u^39*x^37 + u^18*x^36 + u^58*x^35 + u^42*x^34 + u^42*x^33 + u^25*x^32 +
    u^10*x^28 + u^27*x^26 + u^44*x^25 + u^59*x^24 + u^2*x^22 + u^53*x^21 + u^28*x^20 + u^35*x^19 + u^46*x^18 + u^3*x^17 + u^47*x^16 + u^52*x^14 + u^53*x^13 + u^30*x^12 + u^46*x^11 + x^10 +
    u^26*x^9 + u^45*x^8 + u^12*x^7 + u^59*x^6 + u^41*x^5 + u^58*x^4 + u^49*x^3 + x^2 + u^49*x,

  u^61*x^56 + u^33*x^52 + u^44*x^50 + u^12*x^49 + u^42*x^48 + u^19*x^44 + u^9*x^42 + u^47*x^40 + u^15*x^38 + u^19*x^37 + u^58*x^36 + u^56*x^35 + u^10*x^34 + u^3*x^33 + u^5*x^32 + u^28*x^28 +
    x^26 + u^30*x^25 + u^46*x^24 + u^19*x^22 + u^29*x^21 + u^9*x^20 + u^15*x^19 + u^38*x^18 + u^10*x^17 + u^26*x^16 + x^14 + u^4*x^13 + u^9*x^12 + u^31*x^11 + u^59*x^10 + u^44*x^9 + u^4*x^8 +
    u^24*x^7 + u^40*x^6 + u*x^5 + x^4 + u^37*x^3 + u^28*x^2 + u^24*x,

  u^35*x^56 + u^23*x^52 + u^46*x^50 + u^27*x^49 + u^56*x^48 + u^6*x^44 + u^9*x^42 + u^40*x^41 + u^14*x^40 + u^59*x^38 + u^62*x^37 + u^11*x^36 + u^17*x^35 + u^27*x^34 + u^32*x^33 + u^31*x^32 +
    u^39*x^28 + u^11*x^26 + u^33*x^25 + u^11*x^24 + u^23*x^22 + u^46*x^21 + u^45*x^20 + u^29*x^19 + u^50*x^18 + u^7*x^17 + u^28*x^16 + u^49*x^14 + u^18*x^13 + u^3*x^12 + u^21*x^11 + u^32*x^10
    + u^33*x^9 + u*x^8 + u^30*x^7 + u^39*x^6 + u^54*x^5 + u^48*x^4 + u^18*x^3 + u^26*x^2 + u^17*x,

  x^56 + u^14*x^52 + u^60*x^50 + u^13*x^49 + u^20*x^48 + u^9*x^44 + u^47*x^42 + u^2*x^41 + u^11*x^40 + u^21*x^38 + u^29*x^37 + x^36 + u^35*x^35 + x^34 + u^16*x^33 + u^22*x^32 + u^21*x^28 +
    u^16*x^26 + u^31*x^24 + u^26*x^22 + u^49*x^21 + u^38*x^20 + u^15*x^19 + u^60*x^18 + u^6*x^17 + u^14*x^16 + u^8*x^14 + u^37*x^13 + u^37*x^12 + u^16*x^11 + u*x^10 + u^15*x^9 + u^60*x^8 +
    u^25*x^7 + u^30*x^6 + u^23*x^5 + u^37*x^4 + u^43*x^3 + u^35*x^2 + u^44*x,

  u*x^40 + u^4*x^34 + u*x^24 + u^4*x^20 + u*x^18 + u^4*x^17 + x^9 + u*x^5,

  u^12*x^56 + u^58*x^52 + u^33*x^50 + u^62*x^49 + u^51*x^48 + u^27*x^44 + u^58*x^42 + u^52*x^41 + u^43*x^40 + u^48*x^38 + u^40*x^37 + u^23*x^36 + u^27*x^35 + u^22*x^34 + u^52*x^33 + u^39*x^32 +
    u^2*x^28 + u^60*x^26 + u^2*x^25 + u^59*x^24 + u^37*x^22 + u^55*x^21 + u^27*x^20 + u^3*x^19 + u^54*x^18 + u^20*x^17 + u^24*x^16 + u^13*x^14 + u^49*x^13 + u^32*x^12 + u^39*x^11 + u^26*x^10
    + u^24*x^9 + u^31*x^8 + u^49*x^7 + u^3*x^6 + u^20*x^5 + u^54*x^4 + u^59*x^3 + u^10*x^2 + u^51*x
];


Function:
u^7*x^3 + x^5 + u^3*x^9 + u^4*x^10 + x^17 + u^6*x^18,

#EA-Classes: 13

Degrees: {* 2, 3^^9, 4^^3 *}

Representatives:

[    u^10*x^56 + u^2*x^52 + u^62*x^50 + u^29*x^49 + u^24*x^48 + u^52*x^44 + u^29*x^42 + u^48*x^41 + u^26*x^40 + u^62*x^38 + u^23*x^37 + u^30*x^36 + u^59*x^35 + u^47*x^34 + u^9*x^33 + u^59*x^32 +
    u^38*x^28 + u^29*x^26 + u^58*x^25 + u^57*x^24 + u^22*x^22 + u^62*x^21 + u^60*x^20 + u^54*x^19 + u^47*x^18 + u^26*x^17 + u^51*x^16 + u^15*x^14 + u^46*x^13 + u^12*x^12 + u^35*x^11 +
    u^42*x^10 + u^42*x^9 + u^44*x^8 + u^57*x^7 + u^28*x^6 + u^10*x^5 + u^56*x^4 + u^56*x^3 + u*x^2 + u^36*x,

  u^35*x^60 + u^16*x^58 + u^2*x^57 + u^16*x^56 + u^59*x^54 + u^27*x^53 + u^47*x^52 + u^62*x^51 + u^45*x^50 + u^40*x^49 + u^35*x^48 + u^55*x^46 + u^50*x^45 + u^56*x^44 + u^49*x^43 + u^36*x^42 +
    u^23*x^41 + u^30*x^40 + u^56*x^39 + u^26*x^38 + u^40*x^37 + u^11*x^36 + u^39*x^35 + u^28*x^34 + u^6*x^33 + u^3*x^32 + u^20*x^30 + u^42*x^29 + x^28 + u^32*x^27 + u^12*x^26 + u^37*x^25 +
    u*x^24 + u^30*x^23 + u^7*x^22 + u^25*x^21 + u^39*x^20 + u^61*x^19 + u^2*x^18 + u^39*x^17 + u^43*x^16 + u^44*x^15 + u^23*x^14 + u^35*x^13 + u^8*x^12 + u^18*x^11 + u^33*x^10 + u^12*x^9 +
    u^52*x^8 + u^52*x^7 + u^39*x^6 + u^60*x^5 + u^9*x^4 + u^47*x^3 + u^54*x^2 + u^13*x,

  u^41*x^56 + u^58*x^52 + x^50 + u^8*x^49 + u^20*x^48 + u^28*x^44 + u^5*x^42 + u^29*x^41 + x^40 + u^36*x^38 + u^2*x^37 + u^44*x^36 + u^25*x^35 + u^55*x^34 + u^16*x^33 + u^16*x^32 + u^44*x^28 +
    u^56*x^26 + u^51*x^25 + u^52*x^24 + u^54*x^22 + u^36*x^21 + u^44*x^20 + u^36*x^19 + u^57*x^18 + u^36*x^17 + u^4*x^16 + u^29*x^14 + u^21*x^13 + u^16*x^12 + u^55*x^11 + u^24*x^10 + u*x^9 +
    u^49*x^8 + u^25*x^7 + u^44*x^6 + u^46*x^4 + u^31*x^3 + u^35*x^2 + u^42*x,

  u^17*x^56 + u^10*x^52 + u^25*x^50 + u^59*x^49 + u^49*x^48 + u^36*x^44 + u^28*x^42 + u^61*x^41 + u^20*x^40 + u^59*x^38 + u^15*x^37 + u^41*x^36 + u^53*x^35 + u^38*x^34 + u^9*x^33 + u^10*x^32 +
    u^16*x^28 + u^38*x^26 + u^8*x^25 + u^55*x^24 + u^8*x^22 + u^45*x^21 + u^20*x^20 + u^23*x^19 + u^28*x^18 + u^20*x^17 + u^15*x^16 + u^26*x^14 + u^50*x^12 + u^28*x^11 + u^9*x^10 + u^49*x^9 +
    u^38*x^8 + u^50*x^7 + u^10*x^6 + u^45*x^5 + u^59*x^4 + u^37*x^3 + u^25*x^2 + u^41*x,

  u^12*x^56 + u^35*x^52 + u^51*x^50 + u^19*x^49 + u^54*x^48 + u^46*x^44 + u^28*x^42 + u^30*x^41 + u^28*x^40 + u^61*x^38 + u^41*x^37 + u^60*x^36 + u^26*x^35 + u^33*x^34 + u^50*x^33 + u^27*x^32 +
    u^44*x^28 + u^62*x^26 + u^10*x^25 + u^12*x^24 + u^31*x^22 + u^11*x^21 + u^27*x^20 + u^53*x^19 + u^30*x^18 + u^62*x^17 + u^6*x^16 + u^46*x^14 + u^34*x^13 + u^38*x^12 + u^8*x^11 + u^18*x^10
    + u^28*x^9 + u^16*x^8 + u^43*x^7 + u^19*x^6 + u^34*x^5 + u^20*x^4 + u^22*x^3 + u^21*x^2 + u^20*x,

  u^24*x^60 + u^5*x^58 + u^54*x^57 + u^51*x^56 + u^48*x^54 + u^16*x^53 + u^37*x^52 + u^51*x^51 + u^3*x^50 + x^49 + u^38*x^48 + u^44*x^46 + u^39*x^45 + u^48*x^44 + u^38*x^43 + u^49*x^42 +
    u^27*x^41 + u^25*x^40 + u^45*x^39 + u^29*x^38 + u^53*x^37 + u^7*x^36 + u^6*x^35 + u^31*x^34 + u^3*x^33 + u^33*x^32 + u^9*x^30 + u^31*x^29 + u^23*x^28 + u^21*x^27 + u^16*x^26 + u^41*x^25 +
    u^44*x^24 + u^19*x^23 + u^56*x^22 + u^21*x^21 + u^5*x^20 + u^45*x^19 + u^48*x^18 + u^34*x^17 + x^16 + u^33*x^15 + u^17*x^14 + u^61*x^13 + u^54*x^12 + u^10*x^11 + u^44*x^10 + u^3*x^9 +
    u^16*x^8 + u^18*x^7 + x^6 + u^39*x^5 + u^19*x^4 + u^4*x^3 + u^6*x^2 + u^16*x,

  u^6*x^18 + x^17 + u^4*x^10 + u^3*x^9 + x^5 + u^7*x^3,

  u^38*x^56 + u^18*x^52 + u^4*x^50 + u^52*x^49 + u^62*x^48 + u^47*x^44 + u^10*x^42 + u^44*x^41 + u^44*x^40 + u^15*x^38 + u^10*x^37 + u^61*x^36 + u^31*x^35 + u^46*x^34 + u^62*x^33 + u^11*x^32 +
    u^60*x^28 + u^30*x^26 + u^29*x^25 + u^25*x^24 + u^34*x^22 + u^12*x^21 + u^13*x^20 + u^11*x^18 + u^35*x^17 + u^7*x^16 + u^31*x^14 + x^13 + u^13*x^12 + u^49*x^11 + u^10*x^10 + u^32*x^9 +
    u^57*x^8 + u^59*x^7 + u^60*x^6 + u^20*x^5 + u^30*x^4 + u^11*x^3 + u^53*x^2 + u^12*x,

  u^47*x^56 + u^20*x^52 + u^42*x^50 + u^46*x^49 + u^59*x^48 + u^54*x^44 + u^2*x^42 + u^21*x^41 + u^9*x^40 + u^45*x^38 + u^23*x^37 + u^52*x^36 + u^2*x^34 + u^37*x^33 + u^56*x^32 + u^44*x^28 +
    u^23*x^26 + u^4*x^25 + u^11*x^24 + u^52*x^22 + u^14*x^21 + u^24*x^20 + u^8*x^19 + u^26*x^18 + u^9*x^17 + u^29*x^16 + u^54*x^14 + u^13*x^13 + u^48*x^12 + u^52*x^11 + u^44*x^10 + u^49*x^9 +
    u^38*x^8 + u^51*x^7 + u^57*x^6 + u^42*x^5 + u^53*x^4 + u^9*x^3 + u^21*x^2 + u^17*x,

  u^25*x^56 + u^60*x^52 + u^25*x^50 + u^18*x^49 + u^11*x^48 + u^60*x^44 + u^48*x^42 + u*x^40 + u^51*x^38 + u^20*x^37 + u^28*x^36 + u^15*x^35 + u^7*x^34 + u^17*x^33 + u^42*x^32 + u^19*x^28 +
    u^29*x^26 + u^13*x^25 + u^62*x^24 + u^20*x^22 + u^3*x^21 + u^24*x^20 + u^51*x^19 + u^18*x^18 + u^57*x^17 + u^14*x^16 + u^41*x^14 + u^20*x^13 + u^2*x^12 + u^57*x^11 + u^8*x^10 + u^16*x^9
    +
    u^56*x^8 + u^3*x^7 + u^28*x^6 + u^61*x^5 + u^2*x^4 + u^35*x^3 + u^30*x^2 + u^20*x,

  u^10*x^60 + u^54*x^58 + u^40*x^57 + u^28*x^56 + u^34*x^54 + u^2*x^53 + u^3*x^52 + u^37*x^51 + u^51*x^50 + u^14*x^49 + u^25*x^48 + u^30*x^46 + u^25*x^45 + u^41*x^44 + u^24*x^43 + u^23*x^42 +
    u^18*x^41 + u^59*x^40 + u^31*x^39 + u^29*x^38 + u^53*x^37 + u^45*x^36 + u^23*x^35 + u^14*x^34 + u^43*x^33 + u^34*x^32 + u^58*x^30 + u^17*x^29 + u^51*x^28 + u^7*x^27 + u^62*x^26 + u^17*x
    ^25
    + u^17*x^24 + u^5*x^23 + u^51*x^22 + u^34*x^21 + u^50*x^20 + u^28*x^19 + u^53*x^18 + u^32*x^17 + u^13*x^16 + u^19*x^15 + u^30*x^14 + u^33*x^13 + u^13*x^12 + u^45*x^11 + u^32*x^10 + u^5*x
    ^9
    + u^36*x^8 + u^17*x^7 + u^49*x^6 + u^47*x^5 + u^28*x^4 + u^60*x^3 + u^57*x^2 + u^13*x,

  u^60*x^56 + u^43*x^52 + u^44*x^50 + u^34*x^49 + u^17*x^48 + u^26*x^44 + u^42*x^42 + u^5*x^41 + u^38*x^40 + u^43*x^38 + u^4*x^37 + u^58*x^36 + u^14*x^35 + u^9*x^34 + u^13*x^33 + u^11*x^32 +
    u^39*x^28 + u^26*x^26 + u^37*x^25 + u^30*x^24 + x^22 + u^11*x^21 + u^8*x^20 + u^41*x^19 + u^57*x^18 + u^50*x^17 + u^40*x^16 + u^56*x^14 + u^55*x^13 + u^59*x^12 + u^4*x^11 + u^27*x^10 +
    u^41*x^9 + u^42*x^8 + u^9*x^7 + u^56*x^6 + u^33*x^5 + u^27*x^4 + u^30*x^3 + u^39*x^2 + u^53*x,

  u^17*x^56 + u^51*x^52 + u^42*x^50 + u^61*x^49 + u^22*x^48 + u^52*x^44 + u^2*x^42 + u^48*x^41 + u^50*x^40 + u^14*x^38 + u^51*x^37 + u^20*x^36 + u^49*x^35 + u^15*x^34 + u^39*x^33 + u^56*x^32 +
    u^56*x^28 + u^23*x^26 + u^37*x^25 + u^21*x^24 + u^26*x^22 + u^5*x^21 + u^26*x^20 + u^34*x^18 + u^59*x^17 + u^4*x^16 + u^53*x^14 + u^8*x^13 + u^3*x^12 + u^27*x^11 + u^59*x^10 + u^27*x^9 +
    u^5*x^8 + u*x^7 + u^59*x^6 + u^18*x^5 + u^9*x^4 + u^48*x^3 + u^3*x^2 + u^6*x
];


Function:

x^3 + u*x^24 + x^10,

#EA-Classes: 13

Degrees: {* 2, 3^^5, 4^^7 *}

Representatives:
```

```
[
    u^15*x^56 + u^52*x^52 + u^44*x^50 + u^24*x^49 + u^43*x^48 + u^19*x^44 + u*x^41 + u^43*x^40 + u^57*x^38 + u^17*x^36 + u^9*x^35 + u^60*x^34 + u^46*x^33 + u^40*x^32 + u^30*x^28 + u^57*x^26 +
        u^23*x^25 + u^34*x^24 + u^12*x^22 + u^16*x^21 + u^37*x^20 + u^16*x^19 + u^9*x^18 + u^17*x^17 + u^40*x^16 + u^15*x^14 + u^62*x^13 + u^28*x^12 + u^18*x^11 + u^48*x^10 + u^41*x^9 +
        u^57*x^8 + u^39*x^7 + u^11*x^6 + u^53*x^5 + u^6*x^4 + u^5*x^3 + u^23*x^2 + u^6*x,

u^57*x^60 + u^56*x^58 + u^43*x^57 + u^31*x^56 + u^29*x^53 + u^27*x^52 + u^28*x^51 + u^35*x^50 + u^54*x^49 + u^51*x^48 + u*x^46 + u^54*x^44 + u^50*x^43 + u^50*x^42 + u^32*x^41 + u^49*x^40 +
        u^36*x^39 + u^14*x^38 + u^16*x^37 + u^15*x^35 + u^43*x^34 + u^23*x^33 + u^7*x^32 + u^7*x^30 + u^57*x^29 + u^11*x^26 + u^49*x^25 + u^36*x^24 + u^42*x^23 + u^40*x^22 + u^34*x^21 + u^9*x^20 +
        u^28*x^19 + u^4*x^18 + u^50*x^17 + u^58*x^16 + u*x^15 + u^48*x^14 + u^33*x^13 + u^31*x^12 + u^43*x^11 + u^14*x^10 + u^5*x^9 + u^45*x^8 + u^60*x^7 + u^31*x^6 + u^42*x^5 + u^10*x^4 +
        u^10*x^3 + u^48*x,//PERM F1

    u^16*x^60 + u^60*x^58 + u^46*x^57 + u^30*x^56 + u^40*x^54 + u^8*x^53 + u^21*x^52 + u^43*x^51 + u^31*x^50 + u^43*x^49 + u^53*x^48 + u^36*x^46 + u^31*x^45 + u^36*x^44 + u^30*x^43 + u^7*x^42
        + x^41 + u^55*x^40 + u^37*x^39 + u^57*x^38 + u^21*x^37 + u^40*x^36 + u^10*x^35 + u^10*x^34 + u^32*x^33 + u^21*x^32 + u*x^30 + u^23*x^29 + u^7*x^28 + u^13*x^27 + u^61*x^26 + u^16*x^25 +
        u^62*x^24 + u^11*x^23 + x^22 + u^29*x^21 + u^54*x^20 + u^44*x^19 + u^52*x^18 + u^19*x^17 + u^31*x^16 + u^25*x^15 + u^60*x^14 + u^58*x^13 + u^11*x^12 + u^16*x^11 + u^42*x^10 + u^56*x^9
        + u^11*x^8 + u^9*x^7 + u^13*x^6 + u^30*x^5 + u^5*x^4 + u^62*x^3 + u^42*x^2 + u^60*x,

    u^5*x^56 + u^18*x^52 + u^47*x^50 + u^13*x^49 + u^40*x^48 + u^8*x^44 + u^37*x^42 + u^13*x^41 + u^56*x^40 + u^41*x^38 + u^37*x^37 + u^30*x^36 + u^12*x^35 + u^35*x^34 + u^23*x^33 + u^47*x^32
        + u^22*x^28 + u^53*x^26 + u^14*x^25 + u^22*x^24 + u^7*x^22 + u^16*x^21 + u^17*x^20 + u^33*x^19 + u^6*x^18 + u^41*x^17 + u^48*x^16 + u^29*x^14 + u^56*x^13 + u^26*x^12 + u^40*x^11 +
        u^30*x^10 + u^24*x^9 + u^45*x^8 + u^20*x^7 + u^42*x^6 + u^48*x^5 + u^24*x^3 + u^11*x^2 + u^20*x,

    u^33*x^60 + u^14*x^58 + x^57 + u^38*x^56 + u^57*x^54 + u^25*x^53 + u^10*x^52 + u^60*x^51 + u^36*x^50 + u^7*x^49 + u^28*x^48 + u^53*x^46 + u^48*x^45 + u^31*x^44 + u^47*x^43 + u^49*x^42 +
        u^44*x^41 + u^50*x^40 + u^54*x^39 + u^22*x^38 + u^57*x^37 + u^13*x^36 + u^56*x^35 + u^52*x^34 + u^11*x^33 + u^35*x^32 + u^18*x^30 + u^40*x^29 + u^30*x^28 + u^30*x^27 + u^16*x^26 +
        u^60*x^25 + u^33*x^24 + u^28*x^23 + u^14*x^22 + u^55*x^21 + u^57*x^20 + u^26*x^19 + u^3*x^18 + u^54*x^17 + u^30*x^16 + u^42*x^15 + u^47*x^14 + u^46*x^13 + u^52*x^12 + u^14*x^11 +
        u^15*x^10 + u^39*x^9 + u^41*x^8 + u^18*x^7 + u^35*x^6 + u^29*x^5 + u^36*x^4 + u^44*x^3 + u^15*x^2 + u^2*x,

    u^27*x^56 + u^3*x^52 + u^8*x^50 + u^62*x^49 + u^26*x^48 + u^48*x^44 + u^7*x^42 + u^16*x^41 + u^55*x^40 + u^7*x^38 + u^61*x^37 + u^38*x^36 + u^43*x^35 + u^24*x^34 + u^49*x^33 + u^38*x^32 +
        u^48*x^28 + u^4*x^26 + u^34*x^25 + u^17*x^24 + u^47*x^22 + u^50*x^21 + u^11*x^20 + u^9*x^19 + u^4*x^18 + u^41*x^17 + u^27*x^16 + u^61*x^14 + u^43*x^13 + u^36*x^12 + u^22*x^11 +
        u^34*x^10 + u^39*x^9 + u^47*x^8 + u^45*x^7 + u^38*x^6 + u^48*x^5 + u^47*x^4 + u^10*x^3 + u^16*x^2 + u^34*x,

    u^37*x^60 + u^18*x^58 + u^4*x^57 + u^60*x^56 + u^61*x^54 + u^29*x^53 + u^2*x^52 + u*x^51 + u^18*x^50 + u^54*x^49 + u^36*x^48 + u^57*x^46 + u^52*x^45 + u^34*x^44 + u^51*x^43 + u^19*x^42 +
        u^40*x^41 + u^61*x^40 + u^58*x^39 + u^36*x^38 + u^50*x^37 + u^61*x^36 + u^16*x^35 + u^43*x^34 + u^57*x^32 + u^22*x^30 + u^44*x^29 + u^61*x^28 + u^34*x^27 + u^21*x^26 + u^16*x^25 +
        u^2*x^24 + u^32*x^23 + u^41*x^22 + u^34*x^21 + u^6*x^20 + u^12*x^19 + u^16*x^18 + u^39*x^17 + u^3*x^16 + u^46*x^15 + u^35*x^14 + u^42*x^13 + u^61*x^12 + u^27*x^10 + u^18*x^9 + u^50*x^8
        + u^58*x^7 + u^61*x^6 + u*x^5 + u^24*x^4 + u^62*x^3 + u^37*x^2 + u^42*x,

    u*x^24 + x^10 + x^3,

    u^61*x^60 + u^60*x^58 + u^49*x^57 + u^24*x^56 + u^21*x^54 + u^16*x^53 + u^36*x^52 + u^35*x^51 + u^17*x^50 + u^28*x^49 + u^14*x^48 + u^62*x^46 + u^9*x^45 + u^21*x^44 + u^29*x^43 + u^22*x^42 +
        u^35*x^41 + u^41*x^40 + u^51*x^39 + u^46*x^38 + u^37*x^37 + u^7*x^36 + u^32*x^35 + u^45*x^34 + u^16*x^33 + u^55*x^32 + u^11*x^30 + u^8*x^29 + u^29*x^28 + u^6*x^27 + u^58*x^26 + u^28*x^24 +
        u^15*x^23 + u^44*x^22 + u^35*x^21 + u^32*x^20 + u^53*x^19 + u^42*x^18 + u^50*x^17 + x^16 + u^12*x^15 + u^27*x^14 + u^30*x^13 + u^7*x^12 + u^52*x^11 + u^43*x^10 + u^7*x^9 + u^17*x^8 +
        u^5*x^7 + u^17*x^6 + u^43*x^5 + u^13*x^4 + u^57*x^3 + u^35*x^2 + u^49*x,//PERM F3

    u^16*x^60 + u^60*x^58 + u^46*x^57 + u^13*x^56 + u^40*x^54 + u^8*x^53 + u^62*x^52 + u^43*x^51 + u^14*x^50 + u^30*x^49 + u^13*x^48 + u^36*x^46 + u^31*x^45 + u^30*x^44 + u^30*x^43 + u^7*x^42
        + u^51*x^41 + u^48*x^40 + u^37*x^39 + u^20*x^38 + u^14*x^37 + u^17*x^36 + u^37*x^35 + u^48*x^34 + u^34*x^33 + u^24*x^32 + u*x^30 + u^23*x^29 + u^7*x^28 + u^13*x^27 + u^4*x^26 +
        u^37*x^25 + u^50*x^24 + u^11*x^23 + u^51*x^22 + u^34*x^20 + u^51*x^19 + u^6*x^18 + u^11*x^17 + u^10*x^16 + u^25*x^15 + u^33*x^14 + u^23*x^13 + u^54*x^12 + u^48*x^11 + u^32*x^10 +
        u^60*x^9 + u^61*x^8 + u^48*x^7 + u^50*x^6 + u^23*x^5 + u^22*x^4 + u^7*x^3 + u^45*x^2 + u^43*x,

    u^39*x^56 + u^60*x^52 + u^19*x^50 + u^12*x^48 + u^12*x^44 + u^8*x^41 + u^52*x^40 + u^47*x^38 + u^62*x^37 + u^52*x^36 + u^9*x^35 + u^45*x^34 + u^10*x^33 + u^7*x^32 + u^44*x^28 + u^3*x^26 +
        u^54*x^25 + u^19*x^24 + u^62*x^22 + u^3*x^20 + u^6*x^19 + u*x^18 + u^27*x^17 + x^16 + u^5*x^14 + u*x^13 + u^33*x^12 + u^13*x^11 + u^7*x^10 + u^9*x^9 + u^62*x^8 + u^41*x^7 + u^16*x^6 +
        u^9*x^5 + u^24*x^4 + u^4*x^3 + u^48*x^2 + u^22*x,

    u^52*x^56 + u^60*x^52 + u^50*x^50 + u^49*x^49 + u^44*x^48 + u^36*x^44 + u^62*x^42 + u^58*x^41 + u^35*x^40 + u^13*x^38 + u^4*x^37 + u^49*x^36 + u^37*x^35 + u^6*x^34 + u^49*x^33 + u^25*x^32
        + u^54*x^28 + u^53*x^26 + u^61*x^25 + u^11*x^24 + u^45*x^22 + u^38*x^21 + u^26*x^20 + u^60*x^19 + u^38*x^18 + u^24*x^17 + u^36*x^16 + u^23*x^14 + u^12*x^13 + u^38*x^12 + u^43*x^11 +
        u^11*x^10 + u^56*x^9 + u^40*x^8 + u^38*x^7 + u^45*x^6 + u^38*x^5 + u^52*x^4 + u^39*x^3 + u^37*x^2 + u^26*x,

    u^47*x^60 + u^28*x^58 + u^14*x^57 + u^5*x^56 + u^8*x^54 + u^39*x^53 + u^12*x^52 + u^11*x^51 + u^57*x^50 + u*x^49 + u^26*x^48 + u^4*x^46 + u^62*x^45 + u^15*x^44 + u^61*x^43 + u^6*x^42 +
        u^42*x^41 + u^14*x^40 + u^5*x^39 + u^12*x^38 + u^53*x^37 + u^57*x^36 + u^62*x^35 + u^7*x^34 + u^43*x^33 + u^37*x^32 + u^32*x^30 + u^54*x^29 + u^16*x^28 + u^44*x^27 + u^26*x^26 +
        u^62*x^25 + u^50*x^24 + u^42*x^23 + u^31*x^22 + u^18*x^21 + u^51*x^19 + u^52*x^18 + u^3*x^17 + u^56*x^16 + u^56*x^15 + u^48*x^14 + u^46*x^13 + u^16*x^12 + u^28*x^11 + u^49*x^10 +
        u^23*x^9 + u^10*x^8 + u^60*x^7 + u^2*x^6 + u^55*x^5 + u^61*x^4 + u^33*x^3 + u^12*x^2 + u^56*x
];


Function:

x^3 + u^17*(x^17 + x^18 + x^20 + x^24),

#EA-Classes: 91

Degrees: {* 2, 3^^66, 4^^24 *}

Representatives:

[
    u^28*x^56 + u^22*x^52 + u^18*x^50 + u^30*x^49 + u^33*x^48 + u^33*x^44 + u^40*x^42 + u^6*x^41 + u^44*x^40 + u^27*x^38 + u^46*x^37 + u^5*x^36 + u^56*x^35 + u^35*x^34 + u^12*x^32 + u^61*x^28
        + u^51*x^26 + u^54*x^25 + u^61*x^24 + u^24*x^22 + u^33*x^21 + u^8*x^20 + u^58*x^19 + u^28*x^18 + u^56*x^17 + u^54*x^16 + u^56*x^14 + u^20*x^13 + u^30*x^12 + u^60*x^11 + u^5*x^10 +
        u^51*x^9 + u^60*x^8 + u^20*x^7 + u^35*x^6 + x^5 + u^16*x^4 + u^47*x^3 + u^53*x^2 + u^8*x,

    u^52*x^56 + u^49*x^52 + u^61*x^50 + u^14*x^49 + u^51*x^48 + u^44*x^44 + u^33*x^42 + u^54*x^41 + u^43*x^40 + u^8*x^38 + u^18*x^37 + u^53*x^36 + u^35*x^35 + u^53*x^34 + u^55*x^33 + u^37*x^32
        + u^50*x^28 + x^26 + x^25 + u^32*x^24 + u^39*x^22 + u^9*x^21 + u^25*x^20 + u^48*x^19 + u^13*x^18 + u^62*x^17 + u^38*x^16 + u^42*x^14 + u^27*x^13 + u^2*x^12 + u^55*x^10 + u^28*x^9 +
        u^48*x^8 + u^41*x^7 + u^56*x^6 + u^34*x^5 + u^59*x^4 + u*x^3 + u^9*x^2 + u^19*x,

    u^40*x^52 + u^51*x^50 + u^35*x^49 + u^37*x^48 + u^25*x^44 + u^42*x^42 + u^19*x^41 + u^23*x^40 + u^39*x^38 + u^38*x^37 + u^61*x^36 + u^51*x^35 + u^47*x^34 + u^32*x^33 + u^10*x^32 + x^28 +
        u^19*x^26 + u^40*x^25 + u^19*x^24 + u^13*x^22 + u^62*x^21 + u^5*x^20 + u^6*x^19 + u^22*x^18 + u^9*x^17 + u^5*x^16 + u^25*x^14 + u^48*x^13 + u^60*x^12 + u^37*x^11 + u^24*x^10 + u^11*x^9
        + u^57*x^8 + u^39*x^7 + u^29*x^6 + u^13*x^5 + u^60*x^4 + u^24*x^3 + u^54*x^2 + u*x,

    u^24*x^60 + u^5*x^58 + u^54*x^57 + u^34*x^56 + u^48*x^54 + u^16*x^53 + u^20*x^52 + u^51*x^51 + u^11*x^50 + u^52*x^49 + u^55*x^48 + u^44*x^46 + u^39*x^45 + u^61*x^44 + u^38*x^43 + u^52*x^42
        + u^14*x^41 + u^62*x^40 + u^45*x^39 + u^3*x^38 + u^29*x^37 + u^30*x^36 + u^39*x^35 + u^60*x^34 + u^24*x^33 + u^6*x^32 + u^9*x^30 + u^31*x^29 + u^2*x^28 + u^21*x^27 + u^57*x^26 +
        u^2*x^25 + u^16*x^24 + u^19*x^23 + u^49*x^22 + u^24*x^21 + u^43*x^20 + u*x^19 + u^37*x^18 + u^39*x^17 + u^29*x^16 + u^33*x^15 + u^4*x^14 + u*x^13 + u^8*x^12 + u^6*x^11 + x^10 +
        u^11*x^9 + u^46*x^8 + u^21*x^7 + u^40*x^6 + u^29*x^5 + u^27*x^4 + u^41*x^3 + u^26*x^2 + u^30*x,

    u^62*x^56 + u^7*x^52 + u^53*x^50 + u^30*x^49 + u^58*x^48 + u^7*x^44 + u^29*x^41 + u^20*x^40 + u^2*x^38 + u^44*x^37 + u^21*x^36 + u^32*x^35 + u^59*x^34 + u^14*x^33 + u^44*x^32 + u^43*x^28 +
        u^6*x^26 + u^24*x^25 + u*x^24 + u^36*x^22 + u^49*x^20 + u^52*x^19 + u^59*x^18 + u^12*x^17 + u^52*x^16 + u^59*x^14 + u*x^13 + u^13*x^12 + u^23*x^11 + u^47*x^10 + u^3*x^9 + u^56*x^8 +
        u^4*x^7 + u^50*x^6 + u^34*x^5 + u^4*x^3 + u^48*x^2 + u^45*x,

    u^33*x^60 + u^14*x^58 + x^57 + u^30*x^56 + u^57*x^54 + u^25*x^53 + u^59*x^52 + u^60*x^51 + u^62*x^50 + u^26*x^48 + u^53*x^46 + u^48*x^45 + u*x^44 + u^47*x^43 + u*x^42 + u^10*x^41 +
        u^8*x^40 + u^54*x^39 + u^35*x^38 + u^35*x^37 + u^49*x^36 + u^9*x^35 + u^35*x^34 + u^38*x^33 + u^10*x^32 + u^18*x^30 + u^40*x^29 + u^38*x^28 + u^30*x^27 + u^58*x^26 + u^45*x^25 +
        u^19*x^24 + u^28*x^23 + u^61*x^22 + u^17*x^21 + u^53*x^20 + u^3*x^19 + u^55*x^18 + x^17 + u^6*x^16 + u^42*x^15 + u^14*x^14 + u^32*x^13 + u^61*x^12 + u^42*x^11 + u^30*x^10 + u^6*x^9 +
        u^5*x^8 + u^17*x^7 + u^37*x^6 + u^38*x^5 + u^17*x^4 + u^55*x^3 + u^50*x^2 + u^41*x,

    u^40*x^56 + u^45*x^50 + u^55*x^49 + u^54*x^48 + u^33*x^44 + u^52*x^42 + u^55*x^41 + u^47*x^40 + u^40*x^38 + u^60*x^37 + u^40*x^36 + u^30*x^35 + x^34 + u^3*x^33 + u^52*x^32 + u^62*x^28 +
        u^8*x^26 + u^27*x^25 + u^54*x^24 + u^55*x^22 + u^51*x^21 + u^30*x^20 + u^25*x^19 + u^43*x^18 + u^21*x^17 + u^39*x^16 + u^25*x^14 + u^14*x^13 + u^32*x^12 + u*x^11 + u^17*x^10 + u^31*x^9
        + u^29*x^8 + u^27*x^7 + u^41*x^6 + u^22*x^5 + u^8*x^4 + u^39*x^3 + u^40*x^2 + u^53*x,

    u^5*x^56 + u^12*x^52 + u^24*x^50 + u^27*x^49 + u^54*x^48 + u^8*x^44 + u^21*x^42 + u^17*x^41 + u^21*x^40 + u^60*x^38 + u^2*x^37 + u^27*x^36 + u^57*x^35 + u^27*x^34 + u^22*x^33 + u^51*x^32 +
        u^11*x^28 + u^14*x^26 + u^37*x^25 + u^45*x^22 + u^27*x^21 + u*x^20 + u^2*x^19 + u^23*x^18 + u^34*x^17 + u^50*x^16 + u^28*x^14 + u^28*x^13 + u^32*x^12 + u^50*x^11 + u^36*x^10 + u^4*x^9
        + u^47*x^8 + u^53*x^7 + u^15*x^6 + u^52*x^5 + u^59*x^4 + u^57*x^3 + u^58*x^2 + u^29*x,

    u^35*x^56 + u^18*x^52 + u*x^50 + u^40*x^49 + u^17*x^48 + u^21*x^44 + u^61*x^42 + u^45*x^41 + u^43*x^40 + u^44*x^38 + u^52*x^37 + u^59*x^36 + u^24*x^35 + u^10*x^34 + u^20*x^33 + u^40*x^32 +
        u^60*x^28 + u^38*x^26 + u^57*x^25 + u^45*x^24 + u^31*x^22 + u^48*x^21 + u^46*x^20 + u^15*x^19 + u^47*x^18 + u^4*x^17 + u^48*x^16 + u^40*x^14 + u^43*x^13 + u^34*x^12 + u^18*x^11 +
        u^60*x^10 + x^9 + u^36*x^8 + u^15*x^7 + u^23*x^6 + u^5*x^5 + u^51*x^4 + u^31*x^3 + u^12*x^2 + u^30*x,
```

```
u^14*x^60 + u^58*x^58 + u^44*x^57 + u^43*x^56 + u^38*x^54 + u^6*x^53 + u^16*x^52 + u^41*x^51 + u^30*x^50 + u^60*x^49 + u^12*x^48 + u^34*x^46 + u^29*x^45 + u^41*x^44 + u^28*x^43 + u^18*x^42
    + u^38*x^41 + u^48*x^40 + u^35*x^39 + u^5*x^38 + u^55*x^37 + u^17*x^36 + u^12*x^35 + u^21*x^34 + u^6*x^33 + u^8*x^32 + u^62*x^30 + u^21*x^29 + u^20*x^28 + u^11*x^27 + u^34*x^26 +
    u^17*x^25 + u^62*x^24 + u^9*x^23 + u^5*x^22 + u^38*x^21 + x^20 + u^38*x^19 + u^8*x^18 + u^53*x^17 + u*x^16 + u^23*x^15 + u^37*x^14 + u^12*x^13 + u^23*x^12 + u^42*x^11 + u^37*x^10 +
    u^14*x^9 + u^51*x^8 + u^62*x^7 + u^27*x^6 + u^9*x^5 + u^44*x^4 + u^61*x^3 + u^41*x^2 + u^20*x,

u^23*x^56 + u^18*x^52 + u^30*x^50 + u^58*x^49 + u^16*x^48 + u^28*x^44 + u^28*x^42 + u^20*x^41 + u^27*x^40 + u^23*x^38 + u^50*x^37 + u^55*x^36 + u^58*x^35 + u^58*x^34 + u^44*x^33 + u^5*x^32
    + u^32*x^28 + u^31*x^26 + u^15*x^25 + u^36*x^24 + u^36*x^22 + u^24*x^21 + u^42*x^20 + u^46*x^19 + u^53*x^18 + u*x^17 + u*x^16 + u^33*x^14 + u^52*x^13 + u^34*x^12 + u^30*x^11 + u^8*x^10
    + u^41*x^9 + u^62*x^8 + u^6*x^7 + u^26*x^6 + u^16*x^5 + u^38*x^4 + u^38*x^3 + u^6*x^2 + u^7*x,

u^39*x^56 + u^32*x^52 + u^30*x^50 + u^11*x^49 + u^32*x^48 + u^9*x^44 + u^7*x^42 + u^53*x^41 + u^57*x^40 + u^30*x^37 + u^60*x^36 + u^28*x^35 + u^23*x^34 + u^36*x^33 + u^49*x^32 + u^52*x^28
    + u^40*x^26 + u^47*x^25 + u^16*x^24 + u^30*x^22 + u^38*x^21 + u^4*x^20 + u^18*x^19 + u^17*x^18 + u^60*x^17 + u^53*x^16 + u^30*x^14 + u^8*x^13 + u^4*x^12 + u^27*x^11 + u^8*x^10 +
    u^23*x^9 + u^58*x^8 + u^19*x^7 + u*x^5 + u^56*x^4 + u^19*x^3 + u^41*x^2 + u^57*x,

u^31*x^56 + u^36*x^52 + u^2*x^50 + u^40*x^49 + u^46*x^48 + u^43*x^44 + u^61*x^42 + u^3*x^41 + u^42*x^40 + u^35*x^38 + u^18*x^37 + u^37*x^36 + u^51*x^35 + u^62*x^34 + u^9*x^33 + u^6*x^32 +
    u^9*x^28 + u^33*x^26 + u^10*x^25 + u^32*x^24 + u^15*x^22 + u^18*x^21 + u^1*x^20 + u^31*x^19 + u^18*x^18 + u^17*x^17 + u^45*x^16 + u^17*x^14 + u^34*x^13 + u^43*x^12 + u^22*x^11 +
    u^27*x^10 + u^5*x^9 + u^18*x^8 + u^46*x^7 + u^11*x^6 + u^12*x^5 + u^18*x^4 + u^2*x^3 + u^56*x^2,

u^49*x^56 + u^17*x^52 + u^37*x^50 + u^6*x^49 + u*x^48 + u^13*x^44 + u^34*x^42 + u^38*x^41 + u^34*x^40 + u^31*x^38 + u^19*x^37 + u^24*x^36 + u^49*x^35 + u^14*x^34 + u^57*x^33 + u^23*x^32 +
    u^31*x^28 + u^17*x^26 + u^19*x^25 + u^58*x^24 + u^22*x^22 + u^57*x^21 + u^44*x^20 + u^9*x^19 + u^43*x^18 + u^47*x^17 + u^19*x^16 + u^3*x^14 + u^32*x^13 + u^8*x^12 + u^48*x^11 +
    u^28*x^10 + u^13*x^9 + u^14*x^8 + u^12*x^7 + u^23*x^6 + u^43*x^5 + u^29*x^4 + u^3*x^3 + u^41*x^2 + u^34*x,

u^21*x^60 + u^2*x^58 + u^51*x^57 + u^48*x^56 + u^45*x^54 + u^13*x^53 + u^44*x^52 + u^48*x^51 + u^44*x^50 + u^42*x^49 + u^10*x^48 + u^41*x^46 + u^36*x^45 + u^61*x^44 + u^35*x^43 + u^22*x^42
    + u^57*x^41 + u^27*x^40 + u^42*x^39 + u^3*x^38 + u^51*x^37 + u^9*x^36 + u^39*x^35 + u^11*x^34 + u^59*x^33 + u^33*x^32 + u^6*x^30 + u^28*x^29 + u^20*x^28 + u^18*x^27 + u^36*x^26 +
    u^7*x^25 + u^32*x^24 + u^16*x^23 + u^27*x^22 + u^22*x^21 + u^19*x^20 + u^50*x^19 + u^14*x^18 + u^54*x^17 + u^34*x^16 + u^30*x^15 + u^31*x^14 + u^22*x^13 + u^46*x^12 + u^21*x^11 +
    u^8*x^10 + u^35*x^9 + u^58*x^8 + u^51*x^7 + u^19*x^6 + u^7*x^5 + u^52*x^4 + u^53*x^3 + u^51*x^2 + u^49*x,

u^53*x^60 + u^34*x^58 + u^20*x^57 + u^30*x^56 + u^14*x^54 + u^45*x^53 + u^21*x^52 + u^17*x^51 + u^2*x^50 + u^48*x^49 + u^61*x^48 + u^10*x^46 + u^5*x^45 + u^12*x^44 + u^4*x^43 + u^48*x^42 +
    u^25*x^41 + u^27*x^40 + u^11*x^39 + u^26*x^38 + u^61*x^37 + u^56*x^36 + u^23*x^35 + u^61*x^34 + u^54*x^33 + u^20*x^32 + u^38*x^30 + u^60*x^29 + u^45*x^28 + u^50*x^27 + u^3*x^26 +
    u^44*x^25 + u^43*x^24 + u^48*x^23 + u*x^22 + u^31*x^21 + u^41*x^20 + u^11*x^19 + u^46*x^18 + u^18*x^17 + x^16 + u^62*x^15 + u^59*x^14 + u^52*x^13 + u^59*x^12 + u^39*x^11 + u^30*x^10 +
    u^20*x^9 + u^21*x^8 + u^39*x^7 + u^54*x^6 + u^35*x^5 + u^59*x^4 + u^49*x^3 + u^38*x^2 + u^35*x,

u^5*x^60 + u^49*x^58 + u^35*x^57 + u^62*x^56 + u^29*x^54 + u^60*x^53 + u^29*x^52 + u^32*x^51 + u^28*x^50 + u^43*x^49 + u^50*x^48 + u^25*x^46 + u^20*x^45 + u^46*x^44 + u^19*x^43 + u^51*x^42
    + u^35*x^41 + u^13*x^40 + u^26*x^39 + u^16*x^38 + u^45*x^37 + u^38*x^36 + u^7*x^35 + u^36*x^34 + u^22*x^33 + u^17*x^32 + u^53*x^30 + u^12*x^29 + u^32*x^28 + u^2*x^27 + u^54*x^26 +
    u^36*x^25 + u^6*x^24 + x^23 + u^12*x^22 + u^24*x^21 + u^62*x^20 + u^15*x^19 + u^7*x^18 + u*x^17 + u^34*x^16 + u^14*x^15 + u^61*x^14 + u^2*x^13 + u^34*x^12 + u^13*x^11 + u^52*x^10 +
    u^36*x^9 + u^43*x^8 + u^37*x^7 + u^10*x^6 + u^8*x^5 + u^31*x^4 + u^17*x^3 + u^13*x^2 + u^42*x,

u^22*x^56 + u^10*x^52 + u^12*x^50 + u*x^49 + u^16*x^48 + u^61*x^44 + u^38*x^42 + u^23*x^41 + u^33*x^40 + u^46*x^38 + u^35*x^37 + u^52*x^36 + u^56*x^35 + u^43*x^34 + u^10*x^33 + u^29*x^32 +
    u^47*x^28 + u^13*x^26 + u^59*x^25 + u^27*x^24 + u^9*x^22 + u^15*x^21 + u^45*x^20 + u^26*x^19 + u^16*x^18 + u^48*x^17 + u^9*x^16 + u^57*x^14 + u^49*x^13 + u^15*x^12 + u^4*x^11 +
    u^40*x^10 + u^24*x^9 + u^18*x^8 + u^42*x^7 + u^3*x^6 + u^39*x^5 + u^31*x^4 + u^49*x^3 + u^55*x^2 + u^6*x,

u^12*x^56 + u^59*x^52 + u^35*x^50 + u^24*x^49 + u^54*x^48 + u^42*x^44 + u^35*x^42 + u^48*x^41 + u^48*x^40 + u^46*x^38 + u^41*x^37 + u^60*x^36 + u^8*x^35 + u^17*x^34 + u^61*x^33 + u^50*x^32
    + u^27*x^28 + u^6*x^26 + u^11*x^25 + u^25*x^24 + u^52*x^22 + u^17*x^21 + u^32*x^20 + u^17*x^19 + u^25*x^18 + u^2*x^17 + u^10*x^16 + u^15*x^14 + u^22*x^13 + u^53*x^12 + u^42*x^11 +
    u^10*x^10 + u^33*x^9 + u^62*x^8 + u^34*x^7 + u^46*x^6 + u^52*x^5 + u^6*x^4 + u^39*x^3 + u^60*x^2 + x,

u^26*x^60 + u^7*x^58 + u^56*x^57 + u^42*x^56 + u^50*x^54 + u^18*x^53 + u^13*x^52 + u^53*x^51 + u^34*x^50 + u^53*x^49 + u^9*x^48 + u^46*x^46 + u^41*x^45 + u^21*x^44 + u^40*x^43 + u^42*x^42
    + u^24*x^41 + u^41*x^40 + u^47*x^39 + u^20*x^38 + u^9*x^37 + u^14*x^36 + u^34*x^35 + u^49*x^34 + u^57*x^33 + u^41*x^32 + u^11*x^30 + u^33*x^29 + u^10*x^28 + u^23*x^27 + u^9*x^26 +
    u^59*x^25 + u^26*x^24 + u^21*x^23 + u^12*x^22 + u^39*x^21 + u^35*x^20 + u^52*x^19 + u^49*x^18 + u^22*x^17 + u^56*x^16 + u^35*x^15 + u^59*x^13 + u^48*x^12 + u^9*x^11 + u^14*x^10 +
    u^41*x^9 + u^33*x^8 + u^42*x^7 + u^39*x^6 + u^32*x^5 + u^39*x^4 + u^49*x^3 + u^42*x^2 + u^26*x,

u^27*x^56 + u^41*x^52 + u^42*x^50 + u^17*x^49 + u^45*x^48 + u^41*x^44 + u^30*x^42 + u^20*x^41 + u^40*x^40 + u^6*x^38 + u^42*x^37 + u^8*x^36 + u^23*x^34 + u^19*x^33 + u^9*x^32 + u^48*x^28 +
    u^46*x^26 + u^6*x^25 + u^50*x^24 + u^6*x^22 + u^48*x^21 + u^31*x^20 + u^50*x^19 + u^61*x^18 + u^40*x^17 + u^40*x^16 + u^18*x^14 + u^20*x^13 + u^37*x^12 + u*x^11 + u^11*x^10 + u^37*x^9
    + u^11*x^8 + u^62*x^7 + u^3*x^6 + u^34*x^5 + u^14*x^4 + u^57*x^3 + u^39*x^2 + u^14*x,

u^61*x^56 + u^56*x^52 + u^44*x^50 + u^19*x^49 + u^36*x^48 + u^38*x^44 + u^45*x^42 + u^21*x^41 + u^62*x^40 + u^28*x^38 + u^42*x^37 + u^50*x^36 + u^24*x^35 + u^3*x^34 + u^35*x^33 + u^62*x^32
    + u^47*x^28 + u^11*x^26 + u^24*x^25 + u^58*x^24 + u^38*x^21 + u^4*x^20 + u^44*x^19 + u^10*x^18 + u^35*x^17 + u^7*x^16 + u^51*x^14 + u^3*x^13 + u^11*x^12 + u^15*x^11 + u^34*x^10 +
    u^36*x^9 + u^7*x^8 + u^59*x^7 + u^7*x^6 + u^51*x^5 + u^23*x^4 + u^25*x^3 + u^57*x^2 + u^20*x,

u^18*x^56 + u*x^52 + u^18*x^50 + u^35*x^49 + u^9*x^48 + u^41*x^44 + u^15*x^42 + u^38*x^41 + u^27*x^40 + u^31*x^38 + u^35*x^37 + u^42*x^36 + u^56*x^35 + u^30*x^34 + u^16*x^33 + u^32*x^32 +
    u^15*x^28 + u^60*x^26 + u^11*x^25 + u^24*x^24 + u^10*x^22 + u^44*x^21 + u^31*x^20 + u^54*x^19 + u^18*x^18 + u^2*x^17 + u^60*x^16 + u^59*x^14 + u^28*x^13 + u^36*x^12 + u^58*x^11 +
    u^38*x^10 + u^14*x^9 + u^39*x^8 + u^61*x^7 + u^38*x^6 + u^45*x^5 + u^18*x^4 + u^32*x^3 + u^46*x^2 + u^23*x,

u^19*x^60 + x^58 + u^49*x^57 + u^14*x^56 + u^43*x^54 + u^11*x^53 + u^48*x^52 + u^46*x^51 + u^48*x^50 + u^11*x^49 + u^42*x^48 + u^39*x^46 + u^34*x^45 + u^59*x^44 + u^33*x^43 + u^53*x^42 +
    u^20*x^41 + u^52*x^40 + u^40*x^39 + u^37*x^38 + u^12*x^37 + u^42*x^36 + u^4*x^35 + u^31*x^34 + u^24*x^33 + u^8*x^32 + u^4*x^30 + u^26*x^29 + u^29*x^28 + u^16*x^27 + u^26*x^26 +
    u^45*x^25 + u^35*x^24 + u^14*x^23 + u^52*x^22 + u^40*x^21 + u^53*x^20 + u^25*x^19 + u^17*x^18 + u^34*x^17 + u^40*x^16 + u^28*x^15 + u^55*x^14 + u^22*x^13 + u^60*x^12 + u^42*x^11 +
    u^43*x^10 + u^49*x^9 + u^2*x^8 + u^35*x^7 + u^32*x^6 + u^8*x^5 + u^19*x^4 + u^3*x^3 + u^20*x^2 + u^23*x,

u^24*x^56 + u^23*x^52 + u^17*x^50 + u^15*x^49 + u^46*x^48 + u^35*x^44 + u^32*x^42 + u^61*x^41 + u^22*x^40 + u^49*x^38 + u^35*x^37 + u^11*x^36 + u^49*x^35 + x^34 + u^45*x^33 + u^43*x^32 +
    u^9*x^28 + u^37*x^26 + u^5*x^25 + u^22*x^24 + u^10*x^22 + u^3*x^21 + u^40*x^20 + u^21*x^19 + u^15*x^18 + u^32*x^17 + u^47*x^16 + u^3*x^14 + u^20*x^13 + u^56*x^12 + u^18*x^11 +
    u^23*x^10 + u^5*x^9 + u^29*x^8 + u^28*x^7 + u^52*x^6 + u^62*x^5 + u^37*x^4 + u^31*x^3 + u^25*x^2 + x,

u^60*x^56 + u^13*x^52 + u^4*x^50 + u^56*x^49 + u^27*x^48 + u^36*x^44 + u^26*x^42 + u^57*x^41 + u^57*x^40 + u^16*x^38 + u^35*x^37 + u^31*x^36 + u^53*x^35 + u^23*x^34 + u^57*x^33 + u^46*x^32
    + u^17*x^28 + u^3*x^26 + u^58*x^25 + u^13*x^24 + u^38*x^22 + u^13*x^21 + u^6*x^20 + u^7*x^19 + u^13*x^18 + u^24*x^17 + u^13*x^16 + u^6*x^14 + u^62*x^13 + u^26*x^12 + u*x^11 + u^42*x^10
    + u^47*x^9 + u*x^8 + u^28*x^7 + u^4*x^6 + u^6*x^5 + u^35*x^4 + u^31*x^3 + u^34*x^2 + u^50*x,

u^33*x^56 + u^6*x^52 + u^29*x^50 + u^18*x^49 + u^30*x^48 + u^35*x^44 + u^44*x^42 + u^59*x^41 + u^6*x^40 + u^25*x^38 + u^54*x^37 + u^45*x^36 + u^17*x^35 + u^41*x^34 + u^48*x^33 + u^3*x^32 +
    u^35*x^28 + u^24*x^26 + u^41*x^25 + u^11*x^24 + u^51*x^22 + u^26*x^21 + u^51*x^20 + u^50*x^19 + u^55*x^18 + u^15*x^17 + u^26*x^16 + u^60*x^14 + u^24*x^13 + u^17*x^12 + u^59*x^11 +
    u^50*x^10 + u^38*x^9 + u^28*x^8 + x^7 + u^55*x^6 + u^28*x^5 + u^8*x^4 + u^34*x^3 + u^39*x^2 + u^11*x,

u^24*x^60 + u^5*x^58 + u^54*x^57 + u^6*x^56 + u^48*x^54 + u^16*x^53 + u^36*x^52 + u^51*x^51 + u^8*x^50 + u^55*x^49 + u^58*x^48 + u^44*x^46 + u^39*x^45 + u^5*x^44 + u^38*x^43 + u^26*x^42 +
    u^35*x^41 + u^40*x^40 + u^45*x^39 + u^61*x^38 + u^35*x^37 + u^14*x^36 + u^32*x^35 + u^61*x^34 + u^28*x^33 + u^47*x^32 + u^9*x^30 + u^31*x^29 + u^51*x^28 + u^21*x^27 + u^15*x^26 +
    u*x^25 + u^25*x^24 + u^19*x^23 + u^47*x^22 + u^22*x^21 + u^60*x^20 + u^13*x^19 + u^2*x^18 + u^27*x^17 + u^15*x^16 + u^33*x^15 + u^10*x^14 + u^29*x^13 + u^57*x^12 + u^18*x^11 +
    u^39*x^10 + u^21*x^9 + u^44*x^8 + u^46*x^7 + x^6 + u^42*x^5 + u^59*x^4 + u^52*x^3 + u^33*x^2 + u^30*x,

u^57*x^56 + u^10*x^52 + u^19*x^50 + u^24*x^49 + u^15*x^48 + u^27*x^44 + u^44*x^42 + u^42*x^41 + u^55*x^40 + u^2*x^38 + u^6*x^37 + u^40*x^36 + u^14*x^35 + u^54*x^34 + u^55*x^33 + u^53*x^32
    + u^37*x^28 + u^26*x^26 + u^50*x^24 + u^59*x^22 + u^5*x^21 + u^43*x^20 + u^61*x^19 + u^2*x^18 + u^15*x^17 + u^62*x^16 + u^26*x^14 + u^35*x^13 + u^61*x^12 + u^62*x^11 + u^28*x^10 +
    u^22*x^9 + u^53*x^8 + u^17*x^7 + u^40*x^6 + u^26*x^5 + u^61*x^4 + u^53*x^3 + u^42*x^2 + u^6*x,

u^11*x^56 + u^26*x^52 + u^54*x^50 + u^28*x^49 + u^34*x^48 + u^49*x^44 + u^21*x^42 + u^21*x^41 + u^61*x^40 + u^4*x^38 + u^57*x^37 + u^36*x^36 + u^24*x^35 + u^12*x^34 + u^8*x^33 + u^39*x^32
    + u^21*x^28 + u^36*x^26 + u^18*x^25 + u^54*x^24 + u^18*x^22 + u^3*x^21 + x^20 + u^18*x^19 + u^49*x^18 + u^39*x^17 + u^12*x^16 + u^10*x^14 + u^9*x^13 + u^59*x^12 + u^18*x^11 + u^29*x^10
    + u^60*x^9 + u^47*x^8 + u^52*x^7 + u^9*x^6 + u^13*x^5 + u^12*x^4 + u^60*x^3 + u^7*x^2 + u^45*x,

u^56*x^56 + u^16*x^52 + u^51*x^50 + u^5*x^49 + u^29*x^48 + u^36*x^44 + u^2*x^41 + u^28*x^40 + u^58*x^38 + u^12*x^37 + u^61*x^36 + u^45*x^35 + u^44*x^34 + u^23*x^33 + u^8*x^32 + u^32*x^28 +
    u^34*x^26 + u^26*x^25 + u^12*x^24 + u^6*x^22 + u^27*x^21 + u^38*x^20 + u^20*x^19 + u^3*x^18 + u^49*x^17 + u^49*x^16 + u^2*x^14 + u^30*x^13 + u^45*x^12 + u^33*x^11 + u*x^10 + u^30*x^9 +
    u^15*x^8 + u^42*x^7 + u^17*x^6 + u^5*x^5 + u^41*x^4 + u*x^3 + u^13*x^2 + u^48*x,

u^34*x^56 + u^54*x^52 + u^54*x^50 + u^22*x^49 + u^47*x^48 + u^46*x^44 + u^61*x^42 + u^60*x^41 + u^7*x^40 + u^3*x^38 + u^26*x^37 + u^44*x^36 + u^34*x^35 + u^8*x^34 + u^19*x^33 + u^55*x^32 +
    u^12*x^28 + u^20*x^26 + u^28*x^25 + u^23*x^24 + u^15*x^22 + u^9*x^21 + u^50*x^20 + u^41*x^19 + u^38*x^17 + u^39*x^16 + u^47*x^14 + u^4*x^13 + u^47*x^12 + u^26*x^11 + u^8*x^10 + u*x^9 +
    u^51*x^8 + u^51*x^7 + u^23*x^6 + u^56*x^5 + u^21*x^4 + u^31*x^3 + u^42*x^2 + u^53*x,

u^60*x^56 + u^56*x^52 + u^50*x^50 + u^38*x^49 + u^57*x^48 + u^43*x^44 + u^53*x^42 + u^19*x^41 + u^18*x^40 + u^10*x^38 + u^36*x^37 + u^49*x^36 + u^35*x^35 + u^48*x^34 + u^46*x^33 + u^23*x^32
    + u^23*x^32 + u^35*x^28 + u^43*x^26 + u^17*x^25 + u^60*x^24 + u^41*x^22 + u^41*x^20 + u^23*x^19 + u^16*x^18 + u^36*x^17 + u^2*x^16 + u^14*x^14 + u^38*x^13 + u^39*x^12 + u^41*x^11 +
    u^3*x^10 + u^15*x^9 + u^39*x^8 + u^15*x^7 + u^10*x^6 + u^6*x^5 + u^53*x^4 + u^48*x^3 + u^26*x^2 + u^34*x,

u^45*x^60 + u^26*x^58 + u^12*x^57 + u^31*x^56 + u^6*x^54 + u^37*x^53 + u^13*x^52 + u^9*x^51 + u^5*x^50 + u^42*x^49 + u^48*x^48 + u^2*x^46 + u^60*x^45 + u^30*x^44 + u^59*x^43 + u^58*x^42 +
    u^10*x^41 + u^18*x^40 + u^3*x^39 + u^15*x^38 + u^36*x^37 + u*x^36 + u^26*x^35 + u^52*x^34 + u^47*x^33 + u^4*x^32 + u^30*x^30 + u^52*x^29 + u^42*x^27 + u^17*x^26 + u^53*x^25 + u^7*x^24
    + u^40*x^23 + u^53*x^22 + u^61*x^21 + u^25*x^20 + u^31*x^19 + u^53*x^18 + u^8*x^17 + u^57*x^16 + u^54*x^15 + u^32*x^14 + u^7*x^13 + u^14*x^12 + u^16*x^11 + u^29*x^10 + u^25*x^9 +
```

$u^{32}*x^8 + u^{57}*x^7 + u^5*x^6 + x^5 + u^9*x^4 + u^{37}*x^3 + u^{40}*x^2 + u^{22}*x,$

$u^{57}*x^{56} + u^6*x^{52} + u^{40}*x^{50} + u^{27}*x^{49} + u^{59}*x^{48} + u^{19}*x^{42} + u^{28}*x^{41} + u^{13}*x^{40} + u^{14}*x^{38} + u^{46}*x^{37} + u^{54}*x^{36} + u^{55}*x^{35} + u^{41}*x^{34} + u^{14}*x^{33} + u^{50}*x^{32} + u^{29}*x^{28} + u^{32}*x^{26} + u^{62}*x^{25} + u^{25}*x^{24} + u^{11}*x^{22} + u^{27}*x^{21} + u^{26}*x^{20} + u^{38}*x^{19} + u^{37}*x^{18} + u^{43}*x^{17} + u^{36}*x^{16} + u^{15}*x^{14} + u^{36}*x^{13} + u^5*x^{12} + u^{51}*x^{11} + u^{13}*x^{10} + u^{46}*x^9 + u^{14}*x^8 + u^{37}*x^7 + u^{54}*x^6 + u^7*x^5 + u^{20}*x^4 + u^{44}*x^3 + u^{51}*x^2 + u^{42}*x,$

$u^{17}*x^{56} + u^{49}*x^{52} + u^4*x^{50} + u^3*x^{49} + u^{10}*x^{48} + u^{43}*x^{44} + u^{10}*x^{42} + u^{19}*x^{41} + u^{15}*x^{40} + u^{13}*x^{38} + x^{37} + u^{18}*x^{36} + u^{39}*x^{35} + u^{15}*x^{34} + u^{36}*x^{33} + u^5*x^{32} + u^6*x^{28} + u^{13}*x^{26} + u^7*x^{25} + x^{24} + u^{34}*x^{22} + u^{17}*x^{21} + u^{58}*x^{20} + u^{17}*x^{19} + u^{10}*x^{18} + u^{25}*x^{17} + u^{40}*x^{16} + u*x^{14} + u^6*x^{13} + u^6*x^{12} + u^{41}*x^{11} + u^{13}*x^{10} + x^9 + u^{18}*x^8 + u^{54}*x^7 + u*x^6 + u^{62}*x^5 + u^{19}*x^4 + u^{35}*x^3 + u^{26}*x^2 + u^{11}*x,$

$u^{50}*x^{56} + u^{22}*x^{52} + u^{26}*x^{50} + u^{28}*x^{49} + u^{54}*x^{48} + u^{51}*x^{42} + u^{51}*x^{41} + u^{50}*x^{40} + u^{60}*x^{38} + u^{50}*x^{37} + u^{26}*x^{36} + u^{50}*x^{35} + u^8*x^{34} + x^{33} + u^{38}*x^{32} + u^{53}*x^{28} + u^{40}*x^{26} + u^{38}*x^{25} + u^{48}*x^{24} + u^{41}*x^{22} + u^{34}*x^{21} + u^{53}*x^{20} + u^{35}*x^{19} + u^{52}*x^{18} + u^{39}*x^{17} + u^{32}*x^{16} + u^7*x^{14} + u^{61}*x^{13} + u^8*x^{12} + u^{54}*x^{11} + u^6*x^{10} + u^{45}*x^9 + u^{31}*x^8 + u^{49}*x^7 + u^2*x^6 + u^{24}*x^5 + u^{21}*x^4 + u^{26}*x^3 + u^2*x,$

$u^{55}*x^{56} + u^{51}*x^{52} + u^{11}*x^{50} + u^{59}*x^{49} + u^4*x^{48} + u^{37}*x^{44} + u^{32}*x^{41} + u^2*x^{40} + u^{53}*x^{38} + u^{50}*x^{37} + u^{46}*x^{36} + u^6*x^{35} + u^{45}*x^{34} + u^{35}*x^{33} + u^{55}*x^{32} + u^{10}*x^{28} + u^{52}*x^{26} + u^{39}*x^{25} + u^4*x^{24} + u^{43}*x^{22} + u^{27}*x^{21} + u^{44}*x^{20} + u^{41}*x^{19} + u^{57}*x^{18} + u^8*x^{17} + u^{14}*x^{16} + u^{59}*x^{14} + u^{53}*x^{13} + x^{12} + u^{46}*x^{11} + u^{33}*x^{10} + u^{44}*x^9 + u^{17}*x^8 + u^{50}*x^7 + u^{18}*x^6 + u^{43}*x^5 + u^{43}*x^4 + u^{48}*x^3 + u^{11}*x^2 + u^{15}*x,$

$u^{40}*x^{56} + u^{43}*x^{52} + u^{17}*x^{50} + u^{48}*x^{49} + u^{11}*x^{48} + u^3*x^{44} + u^{62}*x^{42} + u^{61}*x^{41} + u^{45}*x^{40} + u^{27}*x^{38} + u^{13}*x^{37} + u^{44}*x^{36} + u^2*x^{35} + u^{16}*x^{34} + u^{20}*x^{33} + u^{32}*x^{32} + u^{16}*x^{28} + u^{42}*x^{26} + u^2*x^{25} + u^7*x^{24} + u^{39}*x^{22} + u^{27}*x^{21} + u^{25}*x^{20} + u^{46}*x^{19} + u^{10}*x^{18} + u^{25}*x^{17} + u^{41}*x^{16} + u^{20}*x^{14} + u^4*x^{13} + u^{44}*x^{12} + u^{22}*x^{11} + u^6*x^{10} + u^{55}*x^9 + u^{15}*x^8 + u^{15}*x^7 + u^{36}*x^6 + u^{14}*x^5 + u^{19}*x^4 + u^{41}*x^3 + u^{16}*x^2 + u^{60}*x,$

$u^{29}*x^{56} + u^{30}*x^{52} + u^{45}*x^{50} + u^{35}*x^{49} + u^5*x^{48} + u^{36}*x^{44} + u^{42}*x^{42} + u^{51}*x^{41} + u^{23}*x^{40} + u^{29}*x^{38} + u^{48}*x^{37} + u^{37}*x^{36} + u*x^{35} + u^8*x^{34} + u^4*x^{33} + u^2*x^{32} + u^{56}*x^{28} + u^{22}*x^{26} + u^9*x^{25} + u^{14}*x^{24} + u^{54}*x^{22} + u^{32}*x^{21} + u^{25}*x^{20} + u^{46}*x^{19} + u^{59}*x^{18} + u^{44}*x^{16} + u^{11}*x^{14} + u^{29}*x^{13} + u^{52}*x^{12} + u^{12}*x^{11} + u^{57}*x^{10} + u^{57}*x^9 + u^{43}*x^8 + x^7 + u^{25}*x^6 + u^{43}*x^5 + x^4 + u^4*x^3 + u^{14}*x^2 + u^{50}*x,$

$u^{22}*x^{56} + u^{32}*x^{52} + u^{32}*x^{50} + u^{43}*x^{49} + u^{50}*x^{48} + u^{29}*x^{44} + u^{55}*x^{42} + u^{28}*x^{41} + u^{22}*x^{40} + u^{25}*x^{38} + u^{57}*x^{37} + u^{20}*x^{36} + u^{61}*x^{35} + u^{36}*x^{34} + u^9*x^{33} + u^{31}*x^{32} + u^{35}*x^{28} + u^{28}*x^{26} + u^{12}*x^{25} + u^{42}*x^{24} + u^{58}*x^{22} + u^{60}*x^{21} + u^5*x^{20} + u^5*x^{19} + u^{10}*x^{18} + u^{46}*x^{17} + u^{23}*x^{16} + u^{22}*x^{14} + u^{62}*x^{13} + u^{45}*x^{12} + u^{23}*x^{11} + u^{42}*x^{10} + u^{25}*x^9 + u^{13}*x^8 + u*x^7 + u^{14}*x^6 + u^3*x^5 + u^{22}*x^4 + u^{28}*x^3 + u^{45}*x^2 + u^{37}*x,$

$u^{44}*x^{56} + u*x^{52} + u^{49}*x^{50} + u^{25}*x^{49} + u^8*x^{48} + u^{40}*x^{44} + u^{60}*x^{42} + u^{52}*x^{41} + u^6*x^{40} + u^{60}*x^{38} + u^{39}*x^{37} + u^{50}*x^{36} + u^{56}*x^{35} + u^{48}*x^{34} + x^{33} + u^{47}*x^{32} + u^{23}*x^{28} + u^{23}*x^{26} + u^{51}*x^{25} + u^{17}*x^{24} + u^{18}*x^{22} + u^{18}*x^{21} + u^{55}*x^{20} + u^{24}*x^{19} + u^{33}*x^{18} + u^{56}*x^{17} + u^{24}*x^{16} + u^8*x^{14} + u^8*x^{13} + u^{49}*x^{12} + u^6*x^{11} + u^{55}*x^{10} + u^{51}*x^9 + u^{25}*x^8 + u^{40}*x^7 + u^{51}*x^6 + u^{45}*x^5 + u^9*x^4 + u^{44}*x^3 + u^{16}*x^2 + u^{41}*x,$

$u^{21}*x^{60} + u^2*x^{58} + u^{51}*x^{57} + u*x^{56} + u^{45}*x^{54} + u^{13}*x^{53} + u^{25}*x^{52} + u^{48}*x^{51} + u^{14}*x^{50} + u^{27}*x^{49} + u^{44}*x^{48} + u^{41}*x^{46} + u^{36}*x^{45} + u^{60}*x^{44} + u^{35}*x^{43} + u^{37}*x^{42} + u^{34}*x^{41} + u^{40}*x^{40} + u^{42}*x^{39} + u^{16}*x^{38} + u^{39}*x^{37} + u^{56}*x^{36} + u^{44}*x^{35} + u^{46}*x^{34} + u^{28}*x^{33} + u^{37}*x^{32} + u^6*x^{30} + u^{28}*x^{29} + u^{39}*x^{28} + u^{18}*x^{27} + u^{33}*x^{25} + u^{41}*x^{24} + u^{16}*x^{23} + u^{52}*x^{22} + u^{33}*x^{21} + u^{10}*x^{20} + u^{35}*x^{19} + u^{13}*x^{18} + u^{36}*x^{17} + u^{39}*x^{16} + u^{30}*x^{15} + u^{19}*x^{14} + u^4*x^{13} + u^{47}*x^{12} + u^{42}*x^{11} + u^7*x^{10} + u^9*x^9 + u^{59}*x^8 + u^{61}*x^7 + u^{22}*x^6 + u^{51}*x^5 + u^{18}*x^4 + u^{23}*x^3 + u^{60}*x^2 + u^{49}*x,$

$u^{31}*x^{56} + u^{39}*x^{52} + u^{59}*x^{50} + u^{13}*x^{49} + u^7*x^{48} + u^2*x^{44} + u^9*x^{42} + u^{12}*x^{41} + u^{32}*x^{40} + u^7*x^{38} + u^{49}*x^{37} + u^{39}*x^{36} + u^{57}*x^{35} + u^{58}*x^{34} + u^{41}*x^{33} + u^{53}*x^{32} + u^{53}*x^{28} + u^{44}*x^{26} + u^{23}*x^{25} + u^{59}*x^{24} + u^9*x^{22} + u^{13}*x^{21} + u^7*x^{20} + u^{51}*x^{19} + u*x^{18} + u^{30}*x^{17} + u^{39}*x^{16} + u^{55}*x^{13} + u^{54}*x^{12} + u^{48}*x^{11} + u^{17}*x^{10} + u^{31}*x^9 + u^{18}*x^8 + u^{54}*x^7 + u^{14}*x^6 + u^{15}*x^5 + u^{23}*x^4 + u^{59}*x^3 + u^{13}*x^2 + u^{62}*x,$

$u^{61}*x^{56} + u^{12}*x^{52} + u^{24}*x^{50} + u^{35}*x^{49} + u^{48}*x^{48} + u^{35}*x^{44} + u^{12}*x^{42} + u^{15}*x^{41} + u^{49}*x^{40} + u^{62}*x^{38} + u^{33}*x^{37} + u^{59}*x^{36} + u^{50}*x^{35} + u^{52}*x^{34} + u^{46}*x^{33} + u^{38}*x^{32} + u^{33}*x^{26} + u^{34}*x^{25} + u^5*x^{24} + u^{11}*x^{22} + u^{27}*x^{21} + u^{49}*x^{20} + u^{27}*x^{19} + u^{59}*x^{18} + u^{24}*x^{17} + u^{43}*x^{16} + u^{37}*x^{14} + u^{47}*x^{13} + u^{43}*x^{12} + u^{10}*x^{11} + u^{39}*x^{10} + u^{61}*x^9 + u^{26}*x^8 + u^{13}*x^7 + u^6*x^6 + u^{61}*x^5 + u^{45}*x^4 + u^{54}*x^3 + u^{31}*x^2 + u^{53}*x,$

$u^{10}*x^{56} + u^{38}*x^{52} + u^9*x^{50} + u^{60}*x^{49} + u^{61}*x^{48} + u^{36}*x^{44} + u^{40}*x^{42} + u^{10}*x^{41} + u^{42}*x^{40} + u^{23}*x^{38} + u^{22}*x^{37} + u^{56}*x^{36} + u^{12}*x^{35} + u^{46}*x^{34} + u^{53}*x^{33} + u^{12}*x^{32} + u^{17}*x^{28} + u^{60}*x^{26} + u^{45}*x^{25} + u^{56}*x^{24} + u^{21}*x^{22} + u^{20}*x^{21} + u^{29}*x^{20} + u^{59}*x^{19} + u^{34}*x^{18} + u^3*x^{17} + u^{47}*x^{16} + u^{41}*x^{14} + u^{40}*x^{13} + u^{13}*x^{12} + u^{41}*x^{11} + u^{26}*x^{10} + u^{41}*x^9 + u^4*x^8 + u^6*x^6 + u^{13}*x^5 + u^{34}*x^4 + u^{30}*x^3 + u^{24}*x^2 + u^{11}*x,$

$u^{33}*x^{60} + u^{14}*x^{58} + x^{57} + u^{43}*x^{56} + u^{57}*x^{54} + u^{25}*x^{53} + u^{27}*x^{52} + u^{60}*x^{51} + u^{20}*x^{50} + u^{59}*x^{49} + u^{33}*x^{48} + u^{53}*x^{46} + u^{48}*x^{45} + u^{55}*x^{44} + u^{47}*x^{43} + u^{25}*x^{42} + u^{49}*x^{41} + u^{49}*x^{40} + u^{54}*x^{39} + u^2*x^{38} + u^{52}*x^{37} + u^{41}*x^{36} + u^{43}*x^{35} + u^{47}*x^{34} + u^{47}*x^{33} + u^{25}*x^{32} + u^{18}*x^{30} + u^{40}*x^{29} + u^{39}*x^{28} + u^{30}*x^{27} + u^{15}*x^{26} + u^{62}*x^{25} + u^{43}*x^{24} + u^{28}*x^{23} + u^7*x^{22} + u^{48}*x^{21} + u^{12}*x^{20} + u^{11}*x^{19} + u^{38}*x^{18} + u^{40}*x^{17} + u^8*x^{16} + u^{42}*x^{15} + u^{22}*x^{14} + u^{14}*x^{13} + u^{47}*x^{12} + u^8*x^{11} + u^{47}*x^{10} + u^{27}*x^9 + u^{30}*x^8 + u^{36}*x^7 + u^{25}*x^6 + u^{49}*x^5 + u^5*x^4 + u^{14}*x^3 + u^{35}*x^2 + u^{45}*x,$

$u^{12}*x^{56} + u^{47}*x^{52} + u^{60}*x^{50} + u^{22}*x^{49} + u^{40}*x^{48} + u^{49}*x^{42} + u^{47}*x^{41} + u^{21}*x^{40} + u^3*x^{38} + u^{59}*x^{37} + u^{29}*x^{36} + u^{40}*x^{35} + u^{12}*x^{34} + u^{12}*x^{33} + u^{25}*x^{32} + u^{14}*x^{28} + u^{36}*x^{26} + u^{35}*x^{25} + u^{62}*x^{24} + u^{62}*x^{22} + u^{16}*x^{21} + u^{42}*x^{20} + u^5*x^{19} + u^7*x^{18} + u^{13}*x^{17} + u^{31}*x^{16} + u^{60}*x^{14} + u^7*x^{13} + u^7*x^{12} + u^{51}*x^{11} + u^{22}*x^{10} + u^{20}*x^9 + u^{28}*x^8 + u^{43}*x^7 + u^{61}*x^6 + u^{53}*x^5 + u^{11}*x^4 + u^{56}*x^3 + u^{18}*x^2 + u^{17}*x,$

$u^{45}*x^{56} + u^{45}*x^{52} + u^{38}*x^{50} + u^{24}*x^{49} + u^5*x^{48} + u^{22}*x^{44} + u^{42}*x^{42} + u^{56}*x^{41} + u^{20}*x^{40} + u^{23}*x^{38} + u^{44}*x^{37} + u^{15}*x^{36} + u^{39}*x^{35} + u^{14}*x^{34} + u^{36}*x^{33} + u^{37}*x^{32} + u^{43}*x^{28} + u^{20}*x^{26} + u^{39}*x^{25} + u^{15}*x^{24} + u^9*x^{22} + u^{46}*x^{21} + u^{38}*x^{20} + x^{19} + u^{36}*x^{18} + u^4*x^{17} + u^{33}*x^{16} + u^{20}*x^{14} + u^{13}*x^{12} + u^{14}*x^{11} + u^{31}*x^{10} + u^{36}*x^9 + u^{10}*x^8 + u^{15}*x^7 + u^{18}*x^6 + u^{43}*x^5 + u^{22}*x^4 + u^{27}*x^3 + u^{53}*x^2 + u^{59}*x,$

$u^{28}*x^{60} + u^9*x^{58} + u^{58}*x^{57} + u^{57}*x^{56} + u^{52}*x^{54} + u^{20}*x^{53} + u^{50}*x^{52} + u^{55}*x^{51} + u^{10}*x^{50} + u^{53}*x^{49} + u^{38}*x^{48} + u^{48}*x^{46} + u^{43}*x^{45} + u^4*x^{44} + u^{42}*x^{43} + u^{16}*x^{42} + u^{24}*x^{41} + u^{44}*x^{40} + u^{49}*x^{39} + u^{37}*x^{38} + u^{35}*x^{37} + u^{47}*x^{36} + u^{59}*x^{35} + u^{38}*x^{34} + u^{62}*x^{33} + u^{36}*x^{32} + u^{13}*x^{30} + u^{35}*x^{29} + u^{22}*x^{28} + u^{25}*x^{27} + u^{22}*x^{26} + u^{23}*x^{25} + u^{41}*x^{24} + u^{23}*x^{23} + u^4*x^{22} + u^{18}*x^{21} + u^{47}*x^{20} + u^{48}*x^{19} + u^{29}*x^{18} + u^{40}*x^{17} + u^{43}*x^{16} + u^{37}*x^{15} + u^{42}*x^{14} + u^{50}*x^{13} + u^{14}*x^{12} + u^3*x^{11} + u^7*x^{10} + u^{34}*x^9 + u^{28}*x^8 + u^{22}*x^7 + u^6*x^6 + u^{42}*x^5 + u^{41}*x^4 + u^{17}*x^3 + u^{13}*x^2 + u^{50}*x,$

$u^{45}*x^{56} + u^{35}*x^{52} + u^{42}*x^{50} + u^{15}*x^{49} + u^8*x^{48} + u^{47}*x^{44} + u^{27}*x^{42} + u^{11}*x^{41} + u^{32}*x^{40} + u^4*x^{38} + u^{34}*x^{37} + u^{24}*x^{36} + u^{46}*x^{35} + u^{54}*x^{34} + u^{36}*x^{33} + u^{59}*x^{32} + u^8*x^{28} + u^{46}*x^{26} + u^{51}*x^{25} + u^{46}*x^{24} + u^9*x^{22} + u^{21}*x^{21} + u^9*x^{20} + u^{57}*x^{19} + u^3*x^{18} + u^{47}*x^{17} + u^6*x^{16} + u^{52}*x^{14} + u^{45}*x^{13} + u^{28}*x^{11} + u^{56}*x^{10} + u^{17}*x^9 + u^2*x^8 + u^{33}*x^7 + u^5*x^6 + u^{33}*x^5 + u^{36}*x^4 + u^{29}*x^3 + u^{21}*x^2 + u^{12}*x,$

$u^{21}*x^{60} + u^2*x^{58} + u^{51}*x^{57} + u^{46}*x^{56} + u^{45}*x^{54} + u^{13}*x^{53} + u^{29}*x^{52} + u^{48}*x^{51} + u^{24}*x^{50} + u^{11}*x^{49} + u^5*x^{48} + u^{41}*x^{46} + u^{36}*x^{45} + u^{10}*x^{44} + u^{35}*x^{43} + u^{47}*x^{42} + u^{10}*x^{41} + u^{48}*x^{40} + u^{42}*x^{39} + u^{27}*x^{38} + u^{38}*x^{37} + u^{47}*x^{36} + u^{49}*x^{35} + x^{34} + u^{52}*x^{33} + u^{16}*x^{32} + u^6*x^{30} + u^{28}*x^{29} + u^{32}*x^{28} + u^{18}*x^{27} + u^{61}*x^{26} + u^{41}*x^{25} + u^3*x^{24} + u^{16}*x^{23} + u^{43}*x^{22} + u^{54}*x^{21} + u^{43}*x^{20} + u^{57}*x^{19} + u^{48}*x^{18} + u^{56}*x^{17} + u^{36}*x^{16} + u^{30}*x^{15} + u^8*x^{14} + u^{34}*x^{13} + u^{33}*x^{12} + u^9*x^{11} + u^5*x^{10} + u^{44}*x^9 + u^{25}*x^8 + u^{60}*x^7 + u^3*x^6 + u^{62}*x^4 + u^{26}*x^3 + u^{20}*x^2 + u^{27}*x,$

$u^{30}*x^{56} + u^{45}*x^{52} + u^{54}*x^{50} + u^{14}*x^{49} + u^{44}*x^{48} + u^{18}*x^{44} + u^9*x^{42} + u^{23}*x^{41} + u^7*x^{40} + u^{16}*x^{38} + u^{27}*x^{37} + u^{35}*x^{36} + u^{56}*x^{35} + u^{20}*x^{34} + u^{13}*x^{33} + u^{58}*x^{32} + u^{49}*x^{28} + u^{44}*x^{26} + u^{39}*x^{25} + x^{24} + u^{11}*x^{22} + u^{42}*x^{21} + u^{24}*x^{20} + u^{55}*x^{19} + u^{52}*x^{18} + x^{17} + u^{39}*x^{16} + u^{20}*x^{14} + u^{25}*x^{13} + u^{62}*x^{12} + u^8*x^{11} + u^{60}*x^{10} + u^{43}*x^9 + u^{23}*x^8 + u^{45}*x^7 + u^{30}*x^6 + u^{47}*x^5 + u^{26}*x^4 + u^{12}*x^3 + u^{60}*x^2 + u^{47}*x,$

$u^9*x^{56} + u^3*x^{52} + u^{14}*x^{50} + u^{15}*x^{49} + u^{39}*x^{48} + u^{13}*x^{44} + u^{17}*x^{42} + u^{62}*x^{41} + u^{53}*x^{40} + u^{36}*x^{38} + u^{26}*x^{37} + u^5*x^{36} + u^{25}*x^{35} + u^7*x^{34} + u^{21}*x^{33} + u^{18}*x^{32} + u^{40}*x^{28} + u^{30}*x^{26} + u^{52}*x^{25} + u^{10}*x^{24} + u^{17}*x^{22} + u^{32}*x^{21} + u^{17}*x^{20} + u^{51}*x^{19} + u^{38}*x^{17} + u^{23}*x^{16} + u^{32}*x^{14} + u^{41}*x^{12} + u^{26}*x^{11} + u^{21}*x^{10} + u^{50}*x^9 + u^{19}*x^8 + u^{28}*x^7 + u^{37}*x^6 + u^{59}*x^5 + x^4 + u^{16}*x^3 + u^{26}*x^2 + u^{19}*x,$

$u^{50}*x^{56} + u^{49}*x^{52} + u^{58}*x^{50} + u^{43}*x^{49} + u^{45}*x^{48} + u^{16}*x^{44} + u^{48}*x^{41} + u^{55}*x^{40} + u^{29}*x^{38} + u^{37}*x^{37} + u^{36}*x^{36} + u^{36}*x^{35} + u^{44}*x^{34} + u^2*x^{33} + u^{43}*x^{32} + u^{50}*x^{28} + u^{21}*x^{26} + u^{54}*x^{25} + u^{33}*x^{24} + u^{33}*x^{22} + u^{56}*x^{20} + u^8*x^{19} + u^{35}*x^{18} + u^{62}*x^{17} + u^{41}*x^{16} + u^{61}*x^{14} + u^4*x^{13} + u^{59}*x^{12} + u^{24}*x^{11} + u^{24}*x^{10} + u^{15}*x^9 + u^{53}*x^8 + u^{24}*x^7 + u^{22}*x^6 + u^{56}*x^5 + u^{15}*x^4 + u^{62}*x^3 + u^6*x^2 + u^5*x,$

$u^{44}*x^{56} + u^5*x^{52} + u^{23}*x^{50} + u^{24}*x^{49} + u^{11}*x^{48} + u^{28}*x^{44} + u^{55}*x^{42} + u^{47}*x^{41} + u^5*x^{40} + u^{28}*x^{38} + u^4*x^{37} + u^{54}*x^{36} + u^{41}*x^{35} + u^{62}*x^{34} + u^{18}*x^{33} + u^{12}*x^{32} + u^{57}*x^{28} + u^{50}*x^{26} + u^{34}*x^{25} + u^3*x^{24} + u^{22} + u^{27}*x^{21} + u^{23}*x^{20} + u^{55}*x^{19} + u^{24}*x^{18} + u^{37}*x^{17} + u*x^{16} + u^{29}*x^{14} + u^{49}*x^{13} + u^{62}*x^{12} + u^{49}*x^{11} + u^{15}*x^{10} + u^{32}*x^9 + u^{43}*x^8 + u^{54}*x^7 + u^{43}*x^6 + u^{59}*x^5 + u^{36}*x^4 + u^{54}*x^3 + u^{29}*x^2 + u^{35}*x,$

$u^{49}*x^{56} + u^{39}*x^{52} + u^{33}*x^{50} + u^{24}*x^{49} + u^{40}*x^{48} + u^{59}*x^{44} + u^{42}*x^{42} + u^{35}*x^{41} + u^{54}*x^{40} + u^{55}*x^{38} + u^{52}*x^{37} + u^{41}*x^{36} + u^3*x^{35} + u^{34}*x^{34} + x^{33} + u^{26}*x^{32} + u^{26}*x^{28} + u^{42}*x^{26} + u^{35}*x^{25} + u^{39}*x^{24} + u^{11}*x^{22} + u^{33}*x^{21} + u^{57}*x^{20} + u^{60}*x^{19} + u^{56}*x^{18} + u^{32}*x^{17} + u^{51}*x^{16} + u^{26}*x^{14} + u^6*x^{13} + u^{35}*x^{12} + u^{61}*x^{11} + u^{57}*x^{10} + u^{57}*x^9 + u^8*x^8 + u^{54}*x^7 + u^{17}*x^6 + u^{26}*x^5 + u^{17}*x^4 + u^{31}*x^3 + u^{42}*x^2 + u^6*x,$

$u^{39}*x^{56} + u^{41}*x^{52} + u^{39}*x^{50} + u^{43}*x^{49} + u^{61}*x^{48} + u^3*x^{44} + u^{27}*x^{42} + u^{11}*x^{41} + u^{41}*x^{40} + u^{50}*x^{38} + u^{36}*x^{37} + u^{21}*x^{36} + u^{40}*x^{35} + u^{60}*x^{34} + u^{20}*x^{33} + u^3*x^{32} + u^{54}*x^{28} + u^{36}*x^{26} + u^{17}*x^{25} + u^{33}*x^{24} + u^{53}*x^{22} + u^{19}*x^{21} + u^{59}*x^{20} + u^{29}*x^{19} + u^{41}*x^{18} + u^{53}*x^{17} + u^2*x^{16} + u^3*x^{14} + u^4*x^{13} + u^{55}*x^{12} + u^{52}*x^{11} + u^{33}*x^{10} + u^{55}*x^9 + u^{25}*x^8 + u^{52}*x^7 + u^9*x^6 + u^{24}*x^5 + u^{22}*x^4 + u^{34}*x^3 + u^6*x^2 + u^{38}*x,$

$u^{14}*x^{60} + u^{58}*x^{58} + u^{44}*x^{57} + u^{37}*x^{56} + u^{38}*x^{54} + u^6*x^{53} + u^{14}*x^{52} + u^{41}*x^{51} + u^{39}*x^{50} + u^{41}*x^{49} + u^{34}*x^{48} + u^{34}*x^{46} + u^{29}*x^{45} + u^{44}*x^{44} + u^{28}*x^{43} + u^{40}*x^{42} + u^{32}*x^{41} + u^{14}*x^{40} + u^{35}*x^{39} + u^{34}*x^{38} + u^{50}*x^{37} + u^{31}*x^{36} + u^{42}*x^{35} + u^{41}*x^{34} + u^{42}*x^{33} + u^{34}*x^{32} + u^{62}*x^{30} + u^{21}*x^{29} + u^{10}*x^{28} + u^{11}*x^{27} + u^{28}*x^{26} + u^{50}*x^{25} + u^{25}*x^{24} + u^9*x^{23} + u^3*x^{21} + u^{50}*x^{20} + u^{18}*x^{19} + u^{14}*x^{18} + u^{24}*x^{17} + u^{23}*x^{16} + u^{23}*x^{15} + u^{45}*x^{14} + u^{26}*x^{13} + u^{56}*x^{12} + u^8*x^{11} + u^{47}*x^{10} + u^{35}*x^9 + u^{16}*x^8 + u^4*x^7 + u^{22}*x^6 + u^3*x^5 + u^{31}*x^4 + u^{25}*x^3 + u^{56}*x^2 + u^{34}*x,$

$u^{60}*x^{56} + u^{43}*x^{52} + u^{48}*x^{50} + u^{59}*x^{49} + u^{35}*x^{48} + u*x^{44} + u^{24}*x^{42} + u*x^{41} + u^{34}*x^{40} + u^{46}*x^{38} + u^5*x^{37} + u^{53}*x^{36} + u^{36}*x^{35} + u^{47}*x^{34} + u^3*x^{33} + u^{49}*x^{32} + u^{49}*x^{28} + u^{44}*x^{26} + u^{18}*x^{25} + u^{51}*x^{22} + u^{60}*x^{21} + u*x^{20} + u^{60}*x^{19} + u^{29}*x^{18} + u^7*x^{17} + u^{53}*x^{16} + u^{55}*x^{14} + u^{54}*x^{13} + u^5*x^{12} + u^{54}*x^{11} + u^{57}*x^{10} + u^{55}*x^9$

+ u^53*x^8 + u^7*x^7 + u^51*x^6 + u^19*x^5 + u^12*x^4 + u^43*x^3 + u^22*x^2 + u^48*x,

u^7*x^56 + u^54*x^52 + u^29*x^50 + u^33*x^49 + u^52*x^48 + u^55*x^44 + u^14*x^42 + u^15*x^41 + u^35*x^40 + u^32*x^38 + u^51*x^37 + u^46*x^36 + u^12*x^35 + u^61*x^34 + u^56*x^33 + u^28*x^32 + u^24*x^28 + u^41*x^26 + u^34*x^25 + u^49*x^24 + u^49*x^22 + u^54*x^21 + u^21*x^20 + u^53*x^18 + u^19*x^17 + u^2*x^16 + u^29*x^14 + u^3*x^13 + u^12*x^12 + u^29*x^11 + u^40*x^10 + u^38*x^9 + u^48*x^8 + u^55*x^7 + u^24*x^6 + u^35*x^5 + u^33*x^4 + u^33*x^3 + u^62*x^2 + u^20*x,

u^33*x^60 + u^14*x^58 + x^57 + u^59*x^56 + u^57*x^54 + u^25*x^53 + u^12*x^52 + u^60*x^51 + u^60*x^50 + u^42*x^49 + u^17*x^48 + u^53*x^46 + u^48*x^45 + u^20*x^44 + u^47*x^43 + u^6*x^42 + u^18*x^41 + u^21*x^40 + u^54*x^39 + u^8*x^38 + u^19*x^37 + u^7*x^36 + u^13*x^35 + u^48*x^34 + u^32*x^33 + x^32 + u^18*x^30 + u^40*x^29 + u^23*x^28 + u^30*x^27 + u^26*x^26 + u^21*x^25 + u^9*x^24 + u^28*x^23 + u^32*x^22 + u^62*x^21 + u^49*x^20 + u^50*x^19 + u^12*x^18 + u^42*x^17 + u^39*x^16 + u^42*x^15 + u^21*x^14 + u^33*x^13 + u^27*x^12 + u^43*x^11 + u^6*x^10 + u^32*x^9 + u^27*x^8 + u^11*x^7 + u^34*x^6 + u^6*x^5 + u^11*x^4 + u^42*x^3 + u^9*x^2 + u^26*x,

u^17*x^24 + u^17*x^20 + u^17*x^18 + u^17*x^17 + x^3,

u^44*x^56 + x^52 + u^11*x^50 + u^11*x^49 + u^4*x^48 + u^54*x^44 + u^54*x^42 + u^61*x^41 + u^26*x^40 + u^20*x^38 + u^50*x^37 + u^42*x^36 + u^4*x^35 + u^28*x^34 + u^33*x^33 + u^42*x^32 + u^43*x^28 + u^42*x^26 + u^31*x^25 + u^37*x^22 + u^60*x^21 + u^44*x^20 + u^46*x^19 + u^20*x^18 + x^17 + u^58*x^16 + u^23*x^14 + u^27*x^13 + u^58*x^12 + u^35*x^11 + u^26*x^10 + u^51*x^9 + u^51*x^8 + u^12*x^7 + u^27*x^6 + u^62*x^5 + u^35*x^4 + u^40*x^3 + u^14*x^2 + u^3*x,

u^24*x^56 + u^29*x^52 + u^21*x^50 + u^62*x^49 + u^10*x^48 + u^47*x^44 + u^7*x^42 + u^43*x^41 + u*x^40 + u^43*x^38 + u^61*x^37 + u^55*x^36 + u^53*x^35 + u^10*x^34 + u^44*x^33 + u^27*x^32 + u^20*x^28 + u^26*x^26 + u^47*x^25 + u^51*x^24 + u^13*x^22 + u^45*x^21 + u^60*x^20 + u^45*x^19 + u^15*x^18 + u^29*x^17 + u*x^16 + u^3*x^14 + u^44*x^13 + u^22*x^12 + u^42*x^11 + u^59*x^10 + u^52*x^9 + u^54*x^8 + u^18*x^7 + u^17*x^6 + u^27*x^5 + u^44*x^4 + u^8*x^3 + u^35*x^2 + u^62*x,

u^23*x^56 + u^61*x^52 + u^40*x^50 + u^48*x^49 + u^37*x^48 + u^12*x^44 + u^26*x^42 + u^55*x^41 + u^45*x^40 + u^29*x^38 + u^34*x^37 + u^2*x^36 + u^57*x^35 + u^44*x^34 + u^2*x^33 + u^57*x^32 + u^37*x^28 + u^52*x^26 + u^14*x^25 + u^33*x^24 + u^6*x^22 + u^17*x^21 + u^51*x^20 + u^20*x^19 + u^13*x^18 + u^34*x^17 + u^22*x^16 + u^16*x^14 + u^60*x^12 + u^35*x^11 + u^6*x^10 + u^35*x^9 + u^55*x^8 + u^17*x^7 + u^33*x^6 + u^35*x^5 + u^28*x^4 + u^38*x^3 + u^40*x^2 + u^51*x,

u^14*x^56 + x^52 + u^39*x^50 + u^21*x^49 + u^42*x^48 + u^16*x^44 + u^60*x^42 + u^14*x^41 + u^36*x^40 + u^43*x^38 + u^14*x^37 + u^17*x^36 + u^50*x^35 + u^59*x^34 + x^33 + u^47*x^32 + u^60*x^28 + u^53*x^26 + u^47*x^25 + u^28*x^24 + u^50*x^22 + u^26*x^21 + u^55*x^19 + u^11*x^18 + u^30*x^17 + u^44*x^16 + u^39*x^14 + u^39*x^13 + u^2*x^12 + u^31*x^11 + u^51*x^10 + u^45*x^9 + u^17*x^8 + u^29*x^7 + u^42*x^6 + u^60*x^5 + u^37*x^4 + u^18*x^3 + u^16*x^2 + u^29*x,

u^45*x^60 + u^26*x^58 + u^12*x^57 + u^55*x^56 + u^6*x^54 + u^37*x^53 + u^13*x^52 + u^9*x^51 + u^18*x^49 + u^51*x^48 + u^2*x^46 + u^60*x^45 + u^9*x^44 + u^59*x^43 + x^42 + u^16*x^41 + u^10*x^40 + u^3*x^39 + u^32*x^37 + u^18*x^36 + u^35*x^35 + u^45*x^34 + u^18*x^33 + u^4*x^32 + u^30*x^30 + u^52*x^29 + u^53*x^28 + u^42*x^27 + u^45*x^26 + u^47*x^25 + u^56*x^24 + u^40*x^23 + u^49*x^22 + u^19*x^21 + u^26*x^20 + u^48*x^19 + u^40*x^18 + u*x^17 + u^37*x^16 + u^54*x^15 + u^28*x^14 + u^43*x^13 + u^21*x^12 + u^47*x^11 + u^4*x^10 + u^8*x^9 + u^36*x^8 + u^30*x^7 + u^45*x^6 + u^16*x^5 + u^30*x^4 + u^56*x^3 + u^8*x^2 + u^55*x,

u^32*x^56 + u^51*x^52 + u^8*x^50 + u^50*x^49 + u^59*x^48 + u^6*x^44 + u^33*x^42 + u^4*x^40 + u^53*x^38 + u^24*x^37 + u^60*x^36 + u^51*x^35 + u^56*x^34 + u^24*x^33 + u^30*x^32 + u^29*x^28 + u^50*x^26 + u^39*x^25 + u^54*x^24 + u^51*x^22 + u^25*x^21 + u^51*x^20 + u^48*x^19 + u^19*x^18 + u^56*x^17 + u^56*x^16 + u^44*x^14 + u^21*x^13 + u^44*x^12 + u^3*x^11 + u^25*x^10 + u^46*x^9 + u^16*x^8 + u^18*x^7 + u^31*x^6 + u^35*x^5 + u^5*x^4 + u^16*x^3 + u^27*x^2 + u^32*x,

u^13*x^56 + u^38*x^52 + u^62*x^50 + u^35*x^49 + u^19*x^48 + u^10*x^44 + u^29*x^42 + u^15*x^41 + u^57*x^40 + u^37*x^38 + u^3*x^37 + u^50*x^36 + u^48*x^35 + u^24*x^34 + u^23*x^33 + u^10*x^32 + u^24*x^28 + u^48*x^26 + u^2*x^25 + u^21*x^24 + u^29*x^22 + u^17*x^21 + u^33*x^20 + u*x^19 + u^21*x^18 + u^49*x^17 + u*x^16 + u^61*x^14 + u^13*x^13 + u^27*x^12 + u^37*x^11 + u^9*x^10 + u^11*x^9 + u^59*x^8 + u^17*x^7 + u^37*x^6 + u^16*x^5 + u^16*x^4 + u^49*x^3 + u^36*x^2 + u^9*x,

u^46*x^56 + u^41*x^52 + u^57*x^50 + u^12*x^49 + u^10*x^48 + u^45*x^44 + u^57*x^42 + u^4*x^41 + x^40 + u^39*x^38 + u^45*x^37 + u^6*x^36 + u^11*x^35 + u^53*x^34 + u^22*x^33 + u^57*x^28 + u^8*x^26 + u^57*x^25 + u^30*x^24 + u^8*x^22 + u^26*x^21 + u^58*x^20 + u^7*x^19 + u^37*x^18 + u^49*x^17 + u^12*x^16 + u^12*x^14 + u^47*x^13 + u^24*x^12 + u^52*x^11 + u^42*x^10 + u^21*x^9 + u^16*x^8 + u^49*x^7 + u*x^6 + u^15*x^5 + u^22*x^4 + u^27*x^3 + u^54*x^2,

u^26*x^60 + u^7*x^58 + u^56*x^57 + u^48*x^56 + u^50*x^54 + u^18*x^53 + u^22*x^52 + u^53*x^51 + u^10*x^50 + u^30*x^49 + u^28*x^48 + u^46*x^46 + u^41*x^45 + u^44*x^44 + u^40*x^43 + u^31*x^42 + u^14*x^41 + u^44*x^40 + u^47*x^39 + u^34*x^38 + u^24*x^37 + u^43*x^36 + u^62*x^35 + u^5*x^34 + u^31*x^33 + u^53*x^32 + u^11*x^30 + u^33*x^29 + u^54*x^28 + u^23*x^27 + u^57*x^26 + u^21*x^23 + u^51*x^22 + u^38*x^21 + u^47*x^20 + u^31*x^19 + u^54*x^18 + u^29*x^17 + u^22*x^16 + u^35*x^15 + u^49*x^14 + u^53*x^13 + u^53*x^12 + u^22*x^11 + u^29*x^10 + u^22*x^9 + x^8 + u^27*x^7 + u^21*x^6 + u^41*x^5 + u^28*x^4 + u^62*x^3 + u*x^2 + u^43*x,

u^3*x^56 + u^35*x^52 + u^38*x^50 + u^27*x^49 + u^54*x^48 + u^51*x^44 + u^58*x^42 + u^7*x^41 + u^12*x^40 + u^36*x^38 + u^44*x^37 + u^20*x^36 + u^62*x^35 + u^54*x^34 + u^62*x^33 + u^57*x^32 + u^41*x^28 + u^15*x^26 + u^17*x^25 + u^62*x^24 + u^36*x^22 + u^19*x^21 + u^3*x^20 + u^7*x^19 + u^3*x^18 + u^39*x^17 + u^5*x^16 + u^30*x^14 + u^62*x^13 + x^12 + u^14*x^11 + u^23*x^9 + u^19*x^8 + u^23*x^7 + u^60*x^6 + u^6*x^5 + u^8*x^4 + u^60*x^3 + u^5*x^2 + u^21*x,

u^33*x^56 + u^8*x^52 + u^41*x^50 + u^18*x^49 + u^31*x^48 + u^31*x^44 + u^19*x^42 + u^45*x^41 + u^20*x^40 + u^39*x^38 + u^36*x^37 + u^16*x^36 + u^15*x^35 + u^53*x^34 + u^59*x^33 + u^38*x^32 + u^57*x^28 + u^2*x^26 + u^18*x^25 + u^45*x^24 + u^8*x^22 + u^62*x^21 + u^26*x^20 + u^16*x^19 + u^2*x^18 + u^8*x^17 + u^26*x^16 + u^49*x^14 + u^48*x^13 + u^17*x^12 + u^57*x^11 + u^34*x^10 + u^39*x^9 + u^31*x^8 + u*x^7 + u^6*x^6 + u^41*x^5 + x^4 + u^59*x^3 + u^41*x^2 + u^17*x,

u^54*x^56 + u^19*x^52 + u^60*x^50 + u^16*x^49 + u^20*x^48 + u^3*x^42 + u^45*x^41 + u^32*x^38 + u^19*x^37 + u^60*x^36 + u^17*x^35 + u^13*x^34 + u^41*x^33 + u^5*x^32 + u^38*x^28 + u^5*x^26 + u^54*x^25 + u^8*x^24 + u^10*x^22 + u^58*x^21 + u^58*x^20 + u^17*x^19 + u^50*x^18 + u*x^17 + u^53*x^16 + u^58*x^14 + u^53*x^13 + x^12 + u^48*x^11 + u^53*x^10 + u^58*x^9 + u^25*x^8 + u^62*x^7 + u^50*x^6 + u^57*x^5 + u^39*x^4 + u^19*x^3 + u^12*x^2 + u^19*x,

u^46*x^56 + u^55*x^52 + u^36*x^50 + u^34*x^49 + u^11*x^48 + u^20*x^44 + x^42 + u^11*x^41 + u^56*x^40 + u^28*x^38 + u^38*x^37 + u^7*x^36 + u^55*x^35 + u^23*x^34 + u^41*x^32 + u^35*x^28 + u^61*x^26 + u^8*x^25 + u^55*x^24 + u^38*x^22 + u^28*x^21 + u^26*x^20 + u^28*x^19 + u^12*x^18 + u^55*x^17 + u^50*x^16 + u^35*x^14 + u^17*x^13 + u^42*x^12 + u^15*x^11 + u^7*x^10 + u^35*x^9 + u^40*x^8 + u^7*x^7 + u^34*x^6 + u^29*x^5 + u^15*x^4 + u^34*x^3 + u^31*x^2 + u^44*x,

u^11*x^60 + u^55*x^58 + u^41*x^57 + u^41*x^56 + u^35*x^54 + u^3*x^53 + u^5*x^52 + u^38*x^51 + u^21*x^50 + u^51*x^49 + u^59*x^48 + u^31*x^46 + u^26*x^45 + u^49*x^44 + u^25*x^43 + u^59*x^42 + u^60*x^41 + u^13*x^40 + u^32*x^39 + x^38 + u^36*x^37 + x^36 + u*x^35 + u^27*x^34 + u^43*x^33 + u^17*x^32 + u^59*x^30 + u^18*x^29 + u^17*x^28 + u^8*x^27 + u^28*x^26 + u^29*x^25 + u^20*x^24 + u^6*x^23 + u^12*x^22 + u^35*x^21 + u^13*x^20 + u^6*x^19 + u^24*x^18 + u^36*x^17 + u^12*x^16 + u^20*x^15 + u^54*x^14 + u^41*x^13 + u^59*x^12 + u^55*x^11 + u^16*x^10 + u^18*x^9 + u^48*x^8 + u^12*x^7 + u^10*x^6 + u^12*x^5 + u^44*x^4 + u^60*x^3 + u*x^2 + u^11*x,

u^28*x^56 + u^15*x^52 + u^61*x^50 + u^55*x^49 + u^47*x^48 + u^56*x^44 + u^43*x^42 + u^51*x^41 + u^19*x^40 + u^8*x^38 + u^21*x^37 + u^34*x^36 + u^46*x^35 + u^46*x^34 + u*x^33 + u^23*x^32 + u^61*x^28 + u^60*x^26 + u^34*x^25 + u^34*x^24 + u^50*x^22 + u^21*x^21 + u^8*x^20 + u^48*x^19 + u^9*x^18 + u^38*x^17 + u^25*x^16 + u^14*x^14 + u^28*x^13 + u^11*x^12 + u^45*x^11 + u^33*x^10 + u*x^9 + u^53*x^8 + u^28*x^7 + u^7*x^6 + u^31*x^5 + u^20*x^4 + u^49*x^3 + u^22*x^2 + u^55*x,

u^4*x^56 + u^36*x^52 + u^3*x^50 + u^3*x^49 + u^3*x^48 + u^32*x^44 + u^52*x^42 + u*x^41 + u^53*x^40 + u^52*x^38 + u^61*x^37 + u^21*x^36 + u^5*x^35 + u^22*x^34 + u^52*x^33 + u^35*x^32 + u^44*x^28 + u^14*x^26 + u^15*x^24 + u^23*x^22 + u^9*x^21 + u^4*x^20 + u^35*x^19 + u^57*x^18 + u^4*x^17 + u^21*x^16 + u^21*x^14 + u^12*x^13 + u^17*x^12 + u^34*x^11 + u^21*x^10 + u^34*x^9 + u^44*x^8 + u^41*x^7 + u^10*x^6 + u^12*x^5 + u^12*x^4 + u^20*x^3 + u^3*x^2 + u^54*x,

u^11*x^60 + u^55*x^58 + u^41*x^57 + u^62*x^56 + u^35*x^54 + u^3*x^53 + u^52*x^52 + u^38*x^51 + u^61*x^50 + u^35*x^49 + u^41*x^48 + u^31*x^46 + u^26*x^45 + u^17*x^44 + u^25*x^43 + u^11*x^42 + u^45*x^41 + u^24*x^40 + u^32*x^39 + u^4*x^38 + u^48*x^37 + u^47*x^36 + u^46*x^35 + u^54*x^34 + u^45*x^33 + u^59*x^30 + u^18*x^29 + u^7*x^28 + u^8*x^27 + u^45*x^26 + u^15*x^25 + u^16*x^24 + u^6*x^23 + u^25*x^22 + u^62*x^21 + u^34*x^20 + u^53*x^19 + u^52*x^18 + u^35*x^17 + u^41*x^16 + u^20*x^15 + u^35*x^14 + u^24*x^12 + u^23*x^11 + u^18*x^10 + u^14*x^9 + u^48*x^8 + u^52*x^7 + u^54*x^6 + u^30*x^5 + u^12*x^4 + u^54*x^3 + u^56*x^2 + u^53*x,

u^24*x^60 + u^5*x^58 + u^54*x^57 + x^56 + u^48*x^54 + u^16*x^53 + u^53*x^52 + u^51*x^51 + u^2*x^50 + u*x^49 + u^57*x^48 + u^44*x^46 + u^39*x^45 + u^28*x^44 + u^38*x^43 + u*x^42 + u^53*x^41 + u^19*x^40 + u^45*x^39 + u^33*x^38 + u^4*x^37 + u^13*x^36 + u^34*x^35 + u^42*x^34 + u^31*x^33 + u^50*x^32 + u^9*x^30 + u^31*x^29 + u^33*x^28 + u^21*x^27 + u^55*x^26 + u^26*x^25 + u^7*x^24 + u^19*x^23 + u^40*x^22 + u^53*x^21 + u^57*x^20 + u^34*x^19 + u^52*x^18 + u^11*x^17 + u^7*x^16 + u^33*x^15 + u^38*x^14 + u^28*x^13 + u^7*x^12 + u^9*x^11 + u^7*x^10 + u^43*x^9 + u^49*x^8 + u^41*x^7 + u^6*x^6 + u^53*x^5 + u^26*x^4 + u^14*x^3 + u^16*x^2 + u^47*x,

u^44*x^56 + u^22*x^52 + u^53*x^50 + u^57*x^49 + u^9*x^48 + u^21*x^44 + u^15*x^42 + u^13*x^41 + u^8*x^40 + u^51*x^38 + u^27*x^37 + u^32*x^35 + u^19*x^34 + u^23*x^33 + u^34*x^32 + u^55*x^28 + u^37*x^26 + u^3*x^25 + u^12*x^24 + u^8*x^22 + u^28*x^21 + u^45*x^20 + u^26*x^19 + u^46*x^18 + u^53*x^17 + u^52*x^16 + u^9*x^14 + u^47*x^13 + u^40*x^12 + u^15*x^11 + u^7*x^10 + u^46*x^9 + u^48*x^8 + u^2*x^7 + u^28*x^6 + u^19*x^5 + u^48*x^4 + u^25*x^3 + u^31*x^2 + u^26*x,

u^11*x^60 + u^55*x^58 + u^41*x^57 + u^14*x^56 + u^35*x^54 + u^3*x^53 + u^21*x^52 + u^38*x^51 + u^40*x^50 + u^3*x^49 + u^48*x^48 + u^31*x^46 + u^26*x^45 + u^38*x^44 + u^25*x^43 + u^7*x^42 + u^2*x^41 + u^59*x^40 + u^32*x^39 + u^33*x^38 + u^19*x^37 + u^23*x^36 + u^39*x^35 + u^62*x^34 + u^8*x^33 + u^47*x^32 + u^59*x^30 + u^18*x^29 + u^35*x^28 + u^8*x^27 + u^15*x^26 + u^39*x^25 + u^24*x^23 + u^60*x^22 + u^2*x^21 + u^5*x^20 + u^33*x^19 + u^30*x^18 + u^25*x^17 + u^40*x^16 + u^20*x^15 + u^56*x^14 + u^20*x^13 + u^7*x^12 + u^8*x^11 + u^3*x^10 + x^9 + u^46*x^8 + u^38*x^7 + u^11*x^6 + u^46*x^5 + u^54*x^4 + u^54*x^3 + u^56*x^2 + u^40*x,

u^43*x^56 + u^6*x^52 + u^14*x^50 + u^5*x^49 + u^41*x^48 + u^8*x^44 + u^53*x^42 + u^8*x^41 + u^9*x^40 + u^27*x^38 + u^43*x^37 + u^58*x^36 + u^59*x^35 + u^16*x^34 + u^61*x^33 + u^5*x^32 + u^9*x^28 + u^13*x^26 + u^40*x^25 + u^23*x^24 + u^3*x^22 + u^40*x^21 + u^41*x^20 + u*x^19 + u^57*x^18 + u^55*x^17 + u^18*x^16 + u^25*x^14 + u^34*x^13 + u^21*x^12 + u^3*x^11 + u^31*x^10 + u^59*x^9 + u^55*x^8 + u^54*x^7 + u^54*x^6 + u^16*x^5 + u^48*x^4 + u^2*x^3 + u^6*x^2 + u^62*x,

u^26*x^60 + u^7*x^58 + u^56*x^57 + u^58*x^56 + u^50*x^54 + u^18*x^53 + u^20*x^52 + u^53*x^51 + u^14*x^50 + u^11*x^49 + u^46*x^48 + u^46*x^46 + u^41*x^45 + u^5*x^44 + u^40*x^43 + u^61*x^42 + u^29*x^41 + u^44*x^40 + u^47*x^39 + u^10*x^38 + u^18*x^37 + u^52*x^36 + u^10*x^35 + u^9*x^34 + u^41*x^33 + u^34*x^32 + u^11*x^30 + u^33*x^29 + u^38*x^28 + u^23*x^27 + u^32*x^26 + u^56*x^25 + u^34*x^24 + u^21*x^23 + u^60*x^22 + u^41*x^21 + u^34*x^20 + u^26*x^19 + u^20*x^18 + u^40*x^17 + u^5*x^16 + u^35*x^15 + u^37*x^14 + u^30*x^13 + u^42*x^12 + u^51*x^11 + u^60*x^10 + u^16*x^9 + u^2*x^8 + u^5*x^7 + u^31*x^6 + u^42*x^5 + u^34*x^4 + u^36*x^3 + u^4*x^2 + u^23*x,

u^3*x^56 + u^38*x^52 + u^48*x^50 + u^60*x^49 + u^9*x^44 + u^39*x^42 + u^32*x^41 + u^32*x^40 + u^13*x^38 + u^11*x^37 + u^30*x^36 + u^19*x^35 + u^42*x^34 + u^41*x^33 + u^2*x^32 + u^53*x^28 +

u^11*x^26 + u^34*x^25 + u^5*x^24 + u^17*x^22 + u^8*x^21 + u^27*x^20 + u^40*x^19 + u^38*x^18 + u^23*x^17 + u^37*x^16 + u^8*x^14 + u^28*x^13 + u^38*x^12 + u^43*x^11 + u^17*x^10 +
        u^32*x^9 + u^61*x^8 + u^15*x^7 + u^30*x^6 + u^37*x^5 + u^26*x^4 + u^37*x^3 + u^51*x^2 + u^47*x,

    u^57*x^56 + u^44*x^52 + u^27*x^50 + u^21*x^49 + u^60*x^48 + u^2*x^44 + u^40*x^42 + u^5*x^41 + u^44*x^40 + u^23*x^38 + u^13*x^37 + u^61*x^36 + u^32*x^35 + u^18*x^34 + u^36*x^33 + u^2*x^32 +
        u^4*x^28 + u^59*x^26 + u^49*x^25 + u^49*x^24 + u^43*x^22 + u^41*x^21 + u^45*x^20 + u^62*x^19 + u^28*x^18 + u^3*x^17 + u^50*x^16 + u^17*x^14 + u^15*x^13 + u^56*x^12 + u^56*x^11 +
        u^35*x^10 + u^15*x^9 + u^13*x^8 + u^13*x^7 + u^30*x^6 + u^38*x^5 + u^16*x^4 + u^15*x^3 + u^41*x^2 + u^26*x,

    u^8*x^56 + u^5*x^52 + u^14*x^50 + u^41*x^49 + u^18*x^48 + u*x^44 + u^17*x^42 + u^17*x^41 + u^61*x^40 + u^34*x^38 + u^38*x^37 + u^20*x^36 + u^40*x^35 + u^50*x^34 + u^35*x^33 + u^51*x^32 +
        u^57*x^28 + u^8*x^26 + u^21*x^25 + u^25*x^24 + u^32*x^22 + u^43*x^21 + u^49*x^20 + u^32*x^19 + u^58*x^18 + u^54*x^17 + u^28*x^16 + u^33*x^14 + u^57*x^13 + u^31*x^12 + u^52*x^11 +
        u^23*x^10 + u^59*x^9 + u^46*x^8 + u^46*x^7 + u^12*x^6 + u*x^5 + u^13*x^4 + u^14*x^3 + u^51*x^2 + u^14*x,

    u^41*x^60 + u^22*x^58 + u^8*x^57 + u^57*x^56 + u^2*x^54 + u^33*x^53 + u^8*x^52 + u^5*x^51 + u^22*x^50 + u^14*x^49 + u^47*x^48 + u^61*x^46 + u^56*x^45 + u^25*x^44 + u^55*x^43 + u^59*x^42 +
        u^47*x^41 + u^59*x^40 + u^62*x^39 + u^61*x^38 + u^50*x^37 + u^49*x^36 + u^45*x^35 + u^49*x^34 + u^61*x^33 + u^29*x^32 + u^26*x^30 + u^48*x^29 + u^29*x^28 + u^38*x^27 + u^18*x^26 +
        u^11*x^25 + u^4*x^24 + u^36*x^23 + u^51*x^22 + u^14*x^21 + u^52*x^20 + u^5*x^19 + u^35*x^18 + u^30*x^17 + u^34*x^16 + u^50*x^15 + u^34*x^14 + u^45*x^13 + u^56*x^12 + u^21*x^11 +
        u^39*x^10 + u^3*x^9 + u^27*x^8 + u^7*x^7 + u^35*x^6 + u^38*x^5 + u^45*x^4 + u^46*x^3 + u^50*x^2 + u^15*x,

    u^6*x^56 + u^50*x^52 + u^25*x^50 + x^49 + u^36*x^48 + u^13*x^44 + u*x^42 + u^16*x^41 + u^51*x^40 + u^31*x^38 + u^40*x^37 + u^31*x^36 + u^14*x^35 + u^8*x^34 + u^16*x^33 + u^52*x^32 +
        u^57*x^28 + u^25*x^26 + u^59*x^25 + u^55*x^24 + u^11*x^22 + u^43*x^21 + u^46*x^20 + u^53*x^19 + u^14*x^18 + u^41*x^17 + u^44*x^16 + u^27*x^14 + u^41*x^13 + u^30*x^12 + u^53*x^11 +
        u^42*x^10 + u^40*x^9 + u^39*x^8 + u^13*x^7 + u^45*x^6 + u^45*x^5 + u^36*x^4 + u^12*x^3 + u^35*x^2 + u^17*x,

u^23*x^56 + u^17*x^52 + u^20*x^50 + u^52*x^49 + u^16*x^48 + u^43*x^44 + u^48*x^42 + u^52*x^41 + x^40 + u^8*x^38 + x^37 + u^56*x^36 + u^12*x^35 + u^17*x^34 + u^40*x^33 + u^59*x^32 + u^21*x^28 +
    u^41*x^26 + u^13*x^25 + u^53*x^24 + u^15*x^22 + u^11*x^21 + u^11*x^20 + u^19*x^19 + u^38*x^18 + u^25*x^17 + u^8*x^16 + u^50*x^14 + u^40*x^13 + u^35*x^12 + u^35*x^11 + u^30*x^10 + u^37*x^9
    + u^58*x^8 + u^40*x^7 + u^58*x^6 + u^4*x^5 + u^28*x^4 + u^56*x^3 + u^13*x^2 + u^11*x
];

Function:
x^3 + u^11*x^5 + u^13*x^9 + x^17 + u^11*x^33 + x^48,

#EA−Classes: 19

Degrees: {* 2, 3^^15, 4^^3 *}

Representatives:

[
    x^48 + u^11*x^33 + x^17 + u^13*x^9 + u^11*x^5 + x^3,

    u^14*x^56 + u^2*x^52 + x^50 + u^55*x^49 + u^56*x^48 + u^6*x^44 + u^5*x^42 + u^28*x^41 + u^26*x^40 + u^35*x^38 + u^29*x^37 + u^46*x^36 + u^46*x^35 + u^13*x^34 + u^54*x^33 + u^30*x^32 +
        u^29*x^28 + u^15*x^26 + u^27*x^25 + u^34*x^24 + u^6*x^22 + u^22*x^21 + u^42*x^20 + u^60*x^19 + u^29*x^18 + u^56*x^16 + u^44*x^14 + u^21*x^13 + u^42*x^12 + u^52*x^11 + u^30*x^10 + u^13*x^9
        + u^5*x^8 + u^55*x^7 + u^29*x^6 + u^10*x^5 + u^39*x^4 + u^10*x^3 + u^27*x^2 + u*x,

    u^9*x^56 + u^4*x^52 + u^7*x^50 + u^57*x^49 + u^47*x^48 + u^58*x^44 + u^21*x^42 + u^15*x^41 + u^8*x^40 + u^4*x^38 + u^48*x^37 + x^36 + u^14*x^35 + u^37*x^34 + u^33*x^33 + u^17*x^32 + u^41*x^28
        + u^56*x^26 + u^59*x^25 + u^17*x^24 + u^28*x^22 + u^58*x^21 + u^49*x^20 + u^55*x^19 + u^59*x^18 + u^49*x^17 + u^61*x^16 + u^2*x^14 + u^31*x^13 + u^20*x^12 + u^26*x^11 +u^9*x^10 +u^27*x^9
        + u^58*x^8 + u^11*x^7 + u^38*x^6 + u*x^5 + u^19*x^4 + u^38*x^3 + u^61*x^2 + u^14*x,

    u^38*x^56 + u^9*x^52 + u^19*x^50 + u^40*x^49 + u^35*x^48 + u^17*x^44 + u^56*x^42 + u^15*x^41 + u^62*x^40 + u^26*x^38 + u^5*x^37 + u^12*x^36 + u^20*x^35 + u^55*x^34 + u^6*x^33 + u^12*x^32 +
        u^29*x^28 + u^42*x^26 + u^25*x^25 + u^57*x^24 + u^41*x^22 + u^9*x^21 + u^62*x^20 + u^55*x^19 + u^5*x^18 + u^34*x^17 + u^29*x^16 + u^44*x^14 + u^59*x^13 + u^14*x^12 + u^33*x^11 + u^22*x^10
        + u^46*x^9 + u^29*x^8 + u^6*x^7 + u^6*x^6 + u^34*x^5 + u^6*x^4 + u^6*x^3 + u^14*x^2 + u^54*x,

    u^14*x^56 + u^52*x^52 + u^47*x^50 + u^58*x^49 + u^27*x^48 + u^38*x^44 + u^29*x^42 + u^26*x^41 + u^49*x^40 + u^39*x^38 + u^55*x^37 + u^61*x^36 + u^12*x^35 + u^50*x^33 + u^25*x^32 + u*x^28 +
        u^13*x^26 + u^52*x^25 + u^32*x^24 + u^10*x^22 + u^18*x^21 + u^56*x^20 + u^26*x^19 + u^5*x^18 + u*x^17 + u^37*x^16 + u^58*x^14 + u^20*x^12 + u^46*x^11 + u^60*x^10 + u^46*x^9 + u^42*x^8 +
        u^12*x^7 + u^13*x^6 + u^37*x^5 + u^26*x^4 + u^51*x^3 + u^55*x^2 + u^27*x,

    u^57*x^60 + u^38*x^58 + u^24*x^57 + u^23*x^56 + u^18*x^54 + u^49*x^53 + u^43*x^52 + u^21*x^51 + u^32*x^50 + u^40*x^49 + u^17*x^48 + u^14*x^46 + u^9*x^45 + u^6*x^44 + u^8*x^43 + u^9*x^42 +
        u^31*x^41 + u^29*x^40 + u^15*x^39 + u^35*x^38 + u^16*x^37 + u^44*x^36 + u^40*x^35 + u^14*x^34 + u^5*x^33 + u^49*x^32 + u^42*x^30 + u*x^29 + u^6*x^28 + u^54*x^27 + u^37*x^26 + u^42*x^25 +
        u^42*x^24 + u^52*x^23 + u^26*x^22 + u^51*x^21 + u^47*x^20 + u^16*x^19 + u^51*x^18 + u^9*x^17 + u^18*x^16 + u^3*x^15 + u^41*x^14 + u^61*x^13 + u^38*x^12 + u^11*x^10 + u^62*x^9 + u^11*x^8 +
        u^62*x^7 + u^16*x^6 + u^2*x^5 + u^50*x^4 + u^14*x^3 + u^50*x^2 + u^49*x,

    u^12*x^56 + u^21*x^52 + u^41*x^50 + u^28*x^49 + u^42*x^48 + u^28*x^44 + u^14*x^42 + u^28*x^41 + u^56*x^40 + u^8*x^38 + u^11*x^37 + u^44*x^36 + u^42*x^35 + u^48*x^34 + u^6*x^33 + u^39*x^32 +
        u^6*x^28 + u^20*x^26 + u^56*x^25 + u^37*x^24 + u^35*x^22 + u^18*x^21 + u^33*x^20 + u^43*x^19 + u^53*x^18 + u^5*x^17 + u^14*x^16 + u^17*x^14 + u^56*x^13 + u^12*x^12 + u^38*x^11 + u^34*x^10
        + u^13*x^9 + u^59*x^8 + u^7*x^7 + u^19*x^6 + u^38*x^5 + u^25*x^4 + u^15*x^3 + u^56*x^2 + u^26*x,

    u^4*x^56 + u^42*x^52 + u^62*x^50 + u^58*x^49 + u^11*x^48 + u^40*x^44 + u^14*x^42 + u^54*x^41 + u^10*x^40 + u^47*x^38 + u^33*x^37 + u^28*x^36 + u^18*x^35 + u^44*x^34 + u^25*x^33 + u^46*x^32 +
        u^26*x^28 + u^58*x^26 + u^21*x^25 + u^17*x^24 + u^28*x^22 + u^55*x^21 + u^61*x^20 + u^56*x^19 + u^23*x^18 + u^55*x^17 + u^43*x^16 + u^29*x^14 + u^11*x^13 + u^4*x^12 + u^49*x^11 +u^32*x^10
        + u^9*x^9 + u^27*x^8 + u^54*x^7 + u^12*x^6 + u^29*x^5 + u^15*x^4 + u^41*x^3 + u^47*x^2 + u^56*x,

    u^18*x^60 + u^62*x^58 + u^48*x^57 + u^56*x^56 + u^42*x^54 + u^10*x^53 + u^4*x^52 + u^45*x^51 + u^59*x^50 + u^25*x^49 + u^10*x^48 + u^38*x^46 + u^33*x^45 + u^34*x^44 + u^32*x^43 + u^11*x^42 +
        u^16*x^41 + u^3*x^40 + u^39*x^39 + u^36*x^38 + u^55*x^37 + u^23*x^36 + u^16*x^35 + u^53*x^34 + u^2*x^33 + u^47*x^32 + u^3*x^30 + u^25*x^29 + u^56*x^28 + u^15*x^27 + u^42*x^26 + u^4*x^25 +
        u^19*x^24 + u^13*x^23 + u^10*x^22 + u^6*x^21 + u^5*x^20 + u^30*x^19 + u^28*x^18 + u^26*x^17 + u^32*x^16 + u^27*x^15 + u^46*x^14 + u^52*x^13 + u^29*x^12 + u^34*x^11 + u^55*x^10 + u^49*x^9
            + u^29*x^8 + u^25*x^7 + u^53*x^6 + u^25*x^5 + x^4 + u^7*x^3 + u^32*x^2 + u^53*x,

    x^56 + u^61*x^52 + u^33*x^50 + u^10*x^49 + u^51*x^48 + u^30*x^44 + u^17*x^42 + u^30*x^41 + u^15*x^40 + u^61*x^38 + u^34*x^37 + u^44*x^36 + u^6*x^35 + u^20*x^34 + u^5*x^33 + u^35*x^32 +
        u^43*x^28 + u^58*x^26 + u^51*x^25 + u^50*x^24 + u^26*x^22 + u^52*x^21 + u^62*x^20 + u^60*x^19 + u^35*x^18 + u^60*x^17 + u^53*x^16 + u^42*x^14 + u^49*x^13 + u^57*x^12 + u^26*x^11 +
        u^59*x^10 + u^39*x^9 + u^6*x^8 + u^44*x^7 + x^6 + u^34*x^5 + u^56*x^4 + u^17*x^3 + u^19*x^2 + u^50*x,

    u^54*x^56 + u^48*x^52 + u^23*x^50 + u^39*x^49 + u^22*x^48 + u^58*x^44 + u^50*x^42 + u^51*x^41 + u^19*x^40 + u^60*x^38 + u^37*x^37 + u^12*x^36 + u^61*x^35 + u^42*x^34 + u^23*x^33 + u^51*x^32 +
        u^50*x^28 + u^44*x^26 + u^42*x^25 + u^5*x^24 + u^48*x^22 + u^19*x^21 + u^22*x^20 + u^10*x^19 + u^25*x^18 + u^44*x^17 + u^39*x^16 + u^2*x^13 + u^47*x^12 + u^45*x^11 + u^4*x^10 + u^51*x^9 +
        u^50*x^7 + u^2*x^6 + u^57*x^5 + u^12*x^3 + u^51*x^2 + u^12*x,

    u^20*x^56 + u^14*x^52 + u^43*x^50 + u^39*x^49 + u^45*x^48 + u^10*x^44 + u^61*x^42 + u^17*x^41 + u^49*x^40 + u^30*x^38 + u^39*x^37 + u^14*x^36 + u^2*x^35 + u^38*x^34 + u^49*x^33 + u^50*x^32 +
        u^47*x^28 + u^46*x^26 + u^56*x^25 + u^35*x^24 + u^5*x^22 + u^31*x^21 + u^54*x^20 + u^34*x^19 + u^47*x^18 + u^32*x^17 + u^31*x^16 + u^60*x^14 + u^24*x^13 + u^15*x^12 + u^32*x^11+u^47*x^10
        + x^9 + u^52*x^8 + u^59*x^7 + u^12*x^6 + u^8*x^5 + u^47*x^4 + u^42*x^3 + u^32*x^2 + u^17*x,

    u^18*x^56 + u^22*x^52 + u^17*x^50 + u^20*x^49 + u^26*x^48 + x^44 + u^41*x^42 + u^26*x^41 + u^28*x^40 + u^21*x^38 + u^34*x^37 + u^25*x^36 + u^16*x^35 + u^61*x^34 + u^13*x^33 + u^55*x^32 +
        u^45*x^28 + u^7*x^26 + u^18*x^25 + u^15*x^24 + u^49*x^22 + u^17*x^21 + u^23*x^20 + u^16*x^19 + u^19*x^18 + u^28*x^17 + u^3*x^16 + u^3*x^14 + u^50*x^13 + u^2*x^12 + u^21*x^11 + u^27*x^10 +
        u^48*x^9 + u^31*x^8 + u^52*x^7 + u^55*x^6 + u^5*x^5 + u^49*x^4 + u^35*x^3 + u^45*x^2 + u^10*x,

    u^35*x^56 + u^56*x^52 + u^59*x^50 + u^57*x^49 + u^13*x^48 + u^30*x^44 + u^29*x^42 + u^38*x^41 + u^51*x^40 + u^11*x^38 + u^50*x^37 + u^6*x^36 + u^3*x^35 + u^7*x^34 + u^3*x^33 + u^47*x^32 +
        u^22*x^28 + u^46*x^26 + u^16*x^25 + u^32*x^24 + u^46*x^21 + u^33*x^20 + u^8*x^19 + u^31*x^18 + u^4*x^17 + u^19*x^16 + u^23*x^14 + u^29*x^13 + u^2*x^12 + u^16*x^11 + u^28*x^10 + u^33*x^9 +
        u^45*x^8 + u^7*x^7 + u^3*x^6 + u^36*x^5 + u^39*x^4 + x^3 + u^12*x^2 + u^14*x,

    u^9*x^56 + u^51*x^52 + u^47*x^50 + u^6*x^49 + u^8*x^48 + u^44*x^44 + u^31*x^42 + u^37*x^41 + u^30*x^40 + u^61*x^38 + u^50*x^37 + u^38*x^36 + u^58*x^35 + u^22*x^34 + u^47*x^33 + u^44*x^32 +
        u^35*x^28 + u^7*x^26 + u^6*x^25 + u^12*x^24 + u^17*x^22 + u^12*x^21 + u^45*x^20 + u^39*x^19 + u^23*x^18 + x^17 + u^6*x^16 + u*x^14 + u^45*x^13 + u^8*x^12 + u^37*x^11 + u^48*x^10 + u^36*x^9
        + u^62*x^8 + u^29*x^7 + u^40*x^6 + u^55*x^5 + u^41*x^4 + u^62*x^3 + u^23*x^2 + u^12*x,

    u^38*x^56 + u^9*x^52 + u^58*x^50 + u^4*x^49 + u^57*x^48 + u^47*x^44 + u^6*x^42 + u^41*x^41 + u^14*x^40 + u^46*x^38 + u^40*x^37 + u^55*x^36 + u^61*x^35 + u^46*x^34 + u^50*x^33 + u^35*x^32 +
        u^15*x^28 + u^22*x^26 + u^57*x^25 + u^20*x^24 + u^54*x^22 + u^24*x^21 + u^45*x^20 + u^33*x^18 + u^37*x^17 + u^32*x^16 + u^5*x^14 + u^55*x^13 + u^23*x^12 + u^54*x^11 + u^44*x^10
        + u^33*x^9 + u^14*x^8 + u^23*x^7 + u^39*x^6 + u^42*x^5 + u^46*x^4 + u^33*x^3 + u^46*x^2 + u^60*x,

    u^37*x^60 + u^18*x^58 + u^4*x^57 + x^56 + u^61*x^54 + u^29*x^53 + u^22*x^52 + u*x^51 + u^57*x^50 + u^61*x^49 + u^60*x^48 + u^57*x^46 + u^52*x^45 + u^61*x^44 + u^51*x^43+u^26*x^42+u^40*x^41
        + u^25*x^40 + u^58*x^39 + u^3*x^38 + u^13*x^37 + u^51*x^36 + u^48*x^35 + u^50*x^34 + u^56*x^33 + u^44*x^32 + u^22*x^30 + u^44*x^29 + u^61*x^28 + u^34*x^27 + u^4*x^26 + u^57*x^25 +
        u^52*x^24 + u^32*x^23 + u^43*x^22 + u^2*x^21 + u^25*x^20 + u^16*x^19 + u^41*x^18 + u^49*x^17 + u^29*x^16 + u^46*x^15 + u^7*x^14 + u^31*x^13 + u^2*x^12 + u^52*x^11 + u^26*x^10 + u^40*x^9 +
        u^20*x^8 + u^48*x^7 + u^36*x^6 + u^3*x^5 + u^31*x^4 + u^62*x^3 + u^23*x^2 + u^4*x,

    u^22*x^56 + u^14*x^52 + u^37*x^50 + u^53*x^49 + u^25*x^48 + u^51*x^44 + u*x^42 + u^40*x^41 + u^30*x^40 + u^58*x^38 + u^45*x^37 + u^47*x^36 + u^57*x^35 + u^54*x^34 + u^50*x^33 + u^13*x^32 +
        u^42*x^28 + u^49*x^26 + u^51*x^24 + u^62*x^22 + u^23*x^21 + u^36*x^20 + x^19 + u^2*x^18 + u^33*x^17 + u^28*x^16 + u^40*x^14 + u^62*x^13 + u^28*x^12 + u^34*x^11 + u^30*x^10 + u^16*x^9 +
        u^9*x^8 + u^20*x^7 + u^54*x^6 + u^22*x^5 + u^62*x^4 + u^23*x^3 + u^30*x^2 + u^29*x,

u^15*x^56 + u^53*x^52 + u^37*x^50 + u^12*x^49 + u^47*x^48 + u^8*x^44 + u^4*x^42 + u^14*x^41 + u^39*x^40 + u^47*x^38 + u^50*x^37 + u^6*x^36 + u^51*x^35 + u^44*x^34 + u^7*x^33 + u^55*x^32 +
    u^32*x^28 + u^26*x^26 + u^49*x^25 + u^62*x^24 + u^51*x^22 + u^54*x^21 + u^34*x^20 + u^42*x^19 + u^50*x^18 + u^16*x^17 + u*x^16 + u^5*x^14 + u^54*x^13 + u^51*x^12 + u^28*x^11 + u^5*x^10 +
    u^39*x^9 + u^40*x^8 + u^58*x^7 + u^59*x^6 + u^62*x^5 + u^46*x^4 + u^3*x^3 + x^2 + u^47*x
];

Function:
u^25*x^5 + x^9 + u^38*x^12 + u^25*x^18 + u^25*x^36,

#EA-Classes: 85

Degrees: {* 2, 3^^66, 4^^18 *}

Representatives:
[
    u^31*x^56 + u^52*x^52 + u^62*x^50 + u*x^49 + u^62*x^48 + u^21*x^44 + u^42*x^42 + u^56*x^41 + u^8*x^40 + u^55*x^38 + u^12*x^37 + u^49*x^36 + u^42*x^35 + u^41*x^34 + u^30*x^33 + u^40*x^32 +
        u^20*x^28 + u^22*x^26 + u^50*x^25 + u^53*x^24 + u*x^22 + u^48*x^21 + u^42*x^20 + u^27*x^19 + u^12*x^18 + u^50*x^17 + u^26*x^16 + u^15*x^14 + u^27*x^13 + u^9*x^12 + u^9*x^11 + u^43*x^10 +
        u^53*x^9 + u^18*x^8 + u^21*x^7 + u^36*x^6 + u^39*x^5 + u^40*x^4 + u^16*x^3 + u^58*x^2 + u^56*x,

    u^56*x^52 + u^32*x^50 + u^35*x^49 + u^22*x^48 + u^9*x^44 + u^53*x^42 + u^39*x^41 + u^26*x^40 + u^31*x^38 + u^21*x^37 + u^20*x^36 + u^37*x^35 + u^49*x^34 + u^12*x^33 + u^21*x^32 + u^60*x^28 +
        u^41*x^26 + u^27*x^25 + u^14*x^24 + u^61*x^22 + u^45*x^21 + u^6*x^20 + u*x^19 + u^13*x^18 + u^4*x^17 + u^20*x^16 + u^51*x^14 + u^48*x^13 + u^11*x^12 + u^41*x^11 + u^7*x^10 + u^26*x^9 +
        u^44*x^8 + u^52*x^6 + u^14*x^5 + u^35*x^4 + u^30*x^3 + u^49*x^2 + u^23*x,

    u^43*x^56 + u^46*x^52 + u^40*x^50 + u^5*x^49 + u^28*x^48 + u^61*x^44 + u^16*x^42 + u^39*x^41 + u^6*x^40 + u^10*x^38 + u^50*x^37 + u^17*x^36 + u^15*x^35 + u^21*x^34 + u^20*x^33 + u^49*x^32 +
        u^49*x^28 + u^53*x^26 + u^34*x^25 + u^31*x^24 + u^9*x^22 + u^11*x^21 + u^61*x^20 + u^44*x^19 + u^60*x^18 + u^11*x^17 + u^33*x^16 + u^25*x^14 + u^41*x^13 + u^5*x^12 + u^60*x^11 + u^20*x^10
        + u^47*x^9 + u^58*x^8 + u^38*x^7 + u^28*x^6 + u^36*x^5 + u^33*x^4 + u^20*x^3 + u^30*x^2 + u^11*x,

    u^12*x^56 + u^16*x^52 + u^11*x^50 + u^14*x^49 + u^36*x^48 + u^32*x^44 + u^5*x^42 + u^8*x^41 + u^13*x^40 + u^23*x^38 + u^21*x^37 + u^3*x^36 + u^27*x^35 + u^30*x^34 + u^43*x^33 + u^29*x^32 +
        u^39*x^28 + u^40*x^26 + u^60*x^25 + u^43*x^24 + u^46*x^22 + u^36*x^21 + x^20 + u^43*x^19 + u^43*x^18 + u^15*x^17 + u^44*x^16 + u^8*x^14 + u^24*x^13 + u^30*x^12 + u^57*x^11 + u^41*x^10 +
        u^44*x^9 + u^2*x^8 + u^34*x^7 + u^26*x^6 + u^7*x^5 + u^28*x^4 + u^2*x^3 + u^14*x^2 + u^53*x,

    u^5*x^60 + u^49*x^58 + u^35*x^57 + u^57*x^56 + u^29*x^54 + u^60*x^53 + u^4*x^52 + u^32*x^51 + u^47*x^50 + u^32*x^49 + u^27*x^48 + u^25*x^46 + u^20*x^45 + u^41*x^44 + u^19*x^43 + u^42*x^42 +
        u^10*x^41 + u^54*x^40 + u^26*x^39 + u^47*x^38 + u^40*x^37 + u^50*x^35 + u^5*x^34 + u^61*x^33 + u^14*x^32 + u^53*x^30 + u^12*x^29 + u^58*x^28 + u^2*x^27 + u^35*x^26 + u^33*x^25 + u^27*x^24
        + x^23 + u^42*x^22 + u^29*x^21 + u^56*x^20 + u^60*x^19 + u^62*x^18 + u^7*x^17 + u^45*x^16 + u^14*x^15 + u^27*x^14 + u^47*x^13 + u^10*x^12 + u^38*x^11 + u^11*x^10 + u^4*x^9 + u^14*x^8 +
        u^11*x^7 + u^61*x^6 + u^47*x^5 + u^29*x^4 + u^46*x^3 + u^51*x^2 + u^7*x,

    u^33*x^60 + u^14*x^58 + x^57 + u^13*x^56 + u^57*x^54 + u^25*x^53 + u^43*x^52 + u^60*x^51 + u^21*x^50 + x^49 + u^14*x^48 + u^53*x^46 + u^48*x^45 + u^55*x^44 + u^47*x^43 + u^34*x^42 + u^40*x^41
        + u^37*x^40 + u^54*x^39 + u^49*x^38 + u^26*x^37 + u^23*x^36 + u^40*x^35 + u^38*x^34 + u^23*x^33 + u^11*x^32 + u^18*x^30 + u^40*x^29 + u*x^28 + u^30*x^27 + u^56*x^26 + u^24*x^25 + u^19*x^24
        + u^28*x^23 + u^55*x^22 + u^59*x^21 + u^13*x^20 + u^2*x^19 + u^45*x^18 + u^55*x^17 + u^52*x^16 + u^42*x^15 + u^26*x^14 + u^50*x^13 + u^56*x^12 + u^17*x^11 + u*x^10 + u^51*x^9 + u^31*x^8 +
        u^42*x^7 + u^59*x^6 + u^23*x^5 + u^33*x^4 + u*x^3 + u^18*x^2 + u^39*x,

    u^34*x^56 + u^35*x^52 + u^49*x^50 + u^11*x^49 + u^52*x^48 + u^27*x^44 + u^55*x^42 + u^29*x^41 + u^46*x^40 + u^57*x^37 + x^36 + u^24*x^35 + u^34*x^34 + x^33 + u^62*x^32 + u^22*x^28 + u^51*x^26
        + u^30*x^25 + u^7*x^24 + u^28*x^22 + u^4*x^21 + u^27*x^20 + u^47*x^19 + u^45*x^18 + u^34*x^17 + u^42*x^16 + u^22*x^14 + u^50*x^13 + u^33*x^12 + u^6*x^11 + u^41*x^10 + u^24*x^9 + u^53*x^8
        + u^48*x^7 + u^9*x^6 + u^19*x^5 + u^40*x^4 + u^49*x^3 + u^51*x^2 + u^36*x,

    u^4*x^56 + u^61*x^52 + u^14*x^50 + u^31*x^49 + u^23*x^48 + u^6*x^44 + u^58*x^42 + u^34*x^41 + u^9*x^40 + u^32*x^38 + u^54*x^37 + u^22*x^36 + u^3*x^35 + u^32*x^34 + u^26*x^33 + u^31*x^32 +
        u^56*x^28 + u^40*x^26 + u^2*x^25 + u^13*x^24 + u^25*x^22 + u^3*x^21 + u^50*x^20 + u^49*x^19 + u^62*x^18 + u^26*x^17 + u^20*x^16 + u^39*x^14 + u^22*x^13 + u^15*x^12 + u^38*x^11 + u^28*x^10
        + u^7*x^9 + u^38*x^8 + u^42*x^7 + u^18*x^6 + u^35*x^5 + u^61*x^4 + u^44*x^3 + u^46*x^2 + u^30*x,

    u^16*x^60 + u^60*x^58 + u^46*x^57 + u^28*x^56 + u^40*x^54 + u^8*x^53 + u^11*x^52 + u^43*x^51 + u^10*x^50 + u^14*x^49 + u^24*x^48 + u^36*x^46 + u^31*x^45 + u^2*x^44 + u^30*x^43 + u^26*x^42 +
        u^30*x^41 + u^27*x^40 + u^37*x^39 + x^38 + u^2*x^37 + u^52*x^36 + u^5*x^35 + u^50*x^34 + u^14*x^33 + u^60*x^32 + u*x^30 + u^23*x^29 + u^38*x^28 + u^13*x^27 + u^48*x^26 + u^12*x^25 +
        u^16*x^24 + u^11*x^23 + u^38*x^22 + u^16*x^21 + u^62*x^20 + u^39*x^19 + u^24*x^18 + u^47*x^17 + u^13*x^16 + u^25*x^15 + u^15*x^14 + u^40*x^13 + u^14*x^12 + u^37*x^11 + u^11*x^10 + u^11*x^9
        + u^62*x^8 + u^21*x^7 + u^23*x^6 + u^43*x^5 + u^59*x^4 + u^52*x^3 + u^60*x^2 + u^57*x,

    u^52*x^56 + u^21*x^52 + u^9*x^50 + u^50*x^49 + u^62*x^48 + u^52*x^44 + u^36*x^42 + u^47*x^41 + u^4*x^40 + u^60*x^38 + u^45*x^37 + u^17*x^36 + u^2*x^35 + u^49*x^33 + u^31*x^32 + u^32*x^28 +
        u^14*x^26 + u^35*x^25 + u^62*x^24 + u^33*x^22 + u^60*x^21 + u^51*x^20 + u^37*x^19 + u^46*x^18 + u^5*x^17 + u^8*x^16 + u^45*x^14 + u^5*x^13 + u^32*x^11 + u^46*x^10 + u^38*x^9 + u^24*x^8 +
        u^50*x^7 + u^23*x^6 + u^53*x^5 + u^25*x^4 + u^10*x^3 + u^19*x^2 + u^6*x,

    u^26*x^56 + u^18*x^52 + u^13*x^50 + u^50*x^49 + u^37*x^48 + u^27*x^44 + u^55*x^42 + u^26*x^41 + u^9*x^40 + u^28*x^38 + u^62*x^37 + u^30*x^36 + u^11*x^35 + u^60*x^34 + u^32*x^33 + u^56*x^32 +
        u^52*x^28 + u*x^26 + u^9*x^25 + u^13*x^24 + u^41*x^22 + u^19*x^21 + u^9*x^20 + u^34*x^19 + u^39*x^18 + u^8*x^17 + u^45*x^16 + x^14 + u^62*x^13 + u^18*x^12 + u^8*x^11 + u^58*x^10 + u^58*x^9
        + u^20*x^8 + u*x^7 + u^16*x^6 + u^36*x^5 + u^44*x^4 + u^31*x^3 + u^13*x^2 + u^7*x,

    u^33*x^56 + u^60*x^52 + u^59*x^50 + u^55*x^49 + u^62*x^48 + u^9*x^44 + u*x^42 + u^26*x^41 + u^57*x^40 + u^49*x^38 + u^47*x^37 + u^45*x^36 + u^27*x^35 + u^27*x^34 + u^41*x^33 + u^31*x^32 +
        u*x^28 + u^6*x^26 + u^8*x^25 + u^11*x^24 + u^24*x^22 + u^38*x^21 + u^40*x^20 + u^41*x^19 + u^14*x^18 + u^60*x^17 + u^35*x^16 + u^62*x^14 + u^47*x^13 + u^23*x^12 + u^25*x^11 + u^32*x^10 +
        u^23*x^9 + u^6*x^8 + u^55*x^7 + u^54*x^6 + u^52*x^5 + u^15*x^4 + u^60*x^3 + u^47*x^2 + u^23*x,

    u^9*x^56 + u^40*x^52 + u^30*x^50 + u^14*x^49 + u^42*x^48 + u^17*x^44 + u^44*x^42 + u^30*x^41 + u^35*x^40 + u^51*x^38 + u^44*x^37 + u^23*x^36 + u^45*x^35 + u^36*x^34 + u^12*x^33 + u^48*x^28 +
        u^21*x^26 + u^24*x^25 + u^32*x^24 + u^27*x^22 + u^59*x^21 + u^14*x^20 + u^30*x^19 + u^14*x^18 + u^21*x^17 + u^35*x^16 + u^30*x^14 + u^20*x^13 + u^15*x^12 + u^27*x^11 + u^52*x^10 + u^5*x^9
        + u^62*x^8 + u^47*x^7 + u^36*x^6 + u^52*x^5 + u^28*x^4 + u^54*x^3 + u^51*x^2 + u^29*x,

    u^14*x^60 + u^58*x^58 + u^44*x^57 + u^4*x^56 + u^38*x^54 + u^6*x^53 + u^29*x^52 + u^41*x^51 + u^6*x^50 + u^57*x^49 + u^41*x^48 + u^34*x^46 + u^29*x^45 + u^48*x^44 + u^28*x^43 + u^46*x^42 +
        u^53*x^41 + u^14*x^40 + u^35*x^39 + u^21*x^38 + u^49*x^37 + u^59*x^36 + u^33*x^35 + u^21*x^34 + u^50*x^33 + u^2*x^32 + u^62*x^30 + u^21*x^29 + u^31*x^28 + u^11*x^27 + u^44*x^26 + u^7*x^25
        + x^24 + u^9*x^23 + u^43*x^22 + u^52*x^21 + u^25*x^20 + u^3*x^19 + u^3*x^18 + u^44*x^17 + u^56*x^16 + u^23*x^15 + u^9*x^14 + u^60*x^13 + u^57*x^12 + u^46*x^11 + u^41*x^10 + u^38*x^9 +
        u^46*x^8 + u^24*x^7 + u^30*x^6 + u^8*x^5 + u^8*x^4 + u^9*x^3 + u^35*x^2 + u^12*x,

    u^62*x^56 + u^54*x^52 + u^5*x^50 + u*x^49 + u^53*x^48 + u^26*x^44 + u^39*x^42 + u^58*x^41 + u^24*x^40 + u^56*x^38 + u^29*x^37 + u^8*x^36 + u^6*x^35 + u^34*x^34 + u^6*x^33 + u^59*x^32 +
        u^28*x^28 + u^53*x^26 + u^28*x^25 + u^51*x^24 + u^30*x^22 + u^21*x^21 + u^11*x^20 + u^62*x^19 + u^18*x^18 + u^49*x^17 + u^10*x^16 + u^10*x^14 + u^13*x^13 + u^24*x^12 + u^37*x^11 +
        u^42*x^10 + u^37*x^9 + u^5*x^8 + u^53*x^7 + u^45*x^6 + u^59*x^5 + u^58*x^4 + u^25*x^3 + u^60*x^2 + u^56*x,

    u^31*x^60 + u^12*x^58 + u^61*x^57 + u^25*x^56 + u^55*x^54 + u^23*x^53 + u^54*x^52 + u^58*x^51 + u^50*x^50 + u^27*x^49 + u^43*x^48 + u^51*x^46 + u^46*x^45 + u^35*x^44 + u^45*x^43 + u^47*x^41 +
        u^26*x^40 + u^52*x^39 + u^57*x^38 + u^40*x^37 + u^37*x^36 + u^44*x^35 + u^36*x^34 + u^20*x^33 + u^16*x^30 + u^38*x^29 + u^37*x^28 + u^28*x^27 + u^7*x^26 + u^38*x^25 + u^7*x^24 + u^26*x^23
        + u^42*x^22 + u^59*x^21 + u^22*x^20 + u^43*x^19 + u^45*x^18 + u^28*x^17 + u^15*x^16 + u^40*x^15 + u^43*x^14 + u^51*x^13 + u^55*x^12 + u^36*x^11 + u^16*x^10 + u^9*x^9 + u^35*x^8 + u^21*x^7
        + u^45*x^6 + u^3*x^5 + u^47*x^4 + u^57*x^3 + u^16*x^2 + u^10*x,

    u^61*x^56 + u^43*x^52 + u^36*x^50 + u^10*x^49 + u^28*x^48 + u^53*x^44 + u^10*x^42 + u^40*x^41 + u^5*x^40 + u^21*x^38 + u^8*x^37 + u^29*x^36 + x^35 + u^47*x^34 + u^47*x^33 + u^21*x^32 +
        u^45*x^28 + u^57*x^26 + u^43*x^24 + u*x^22 + u^56*x^21 + u^43*x^20 + u^32*x^19 + u^7*x^18 + u^32*x^17 + u^43*x^16 + u^5*x^14 + u^39*x^13 + u^30*x^12 + u^55*x^11 + u^47*x^10 + u^45*x^9 +
        u^2*x^8 + u^51*x^7 + u^5*x^6 + u^26*x^5 + u^23*x^4 + u^20*x^3 + u^34*x^2 + u^26*x,

    u^12*x^56 + u^15*x^52 + u^17*x^50 + u^36*x^49 + u^6*x^48 + u^22*x^44 + u^41*x^42 + u^47*x^41 + u^26*x^40 + u^29*x^38 + u^53*x^37 + u^29*x^36 + u^56*x^35 + u^45*x^34 + u^23*x^33 + x^32 +
        u^28*x^28 + u^41*x^26 + u^31*x^25 + u^33*x^24 + u^39*x^22 + u^38*x^21 + x^20 + u^60*x^19 + u^35*x^18 + u^60*x^17 + u^59*x^16 + u^25*x^14 + u^30*x^13 + u^22*x^12 + u^60*x^11 + u^49*x^10 +
        u^16*x^9 + u^22*x^8 + u^38*x^7 + u^21*x^6 + u^14*x^5 + u^36*x^4 + u^6*x^3 + u^18*x^2 + u^27*x,

    u^53*x^60 + u^34*x^58 + u^20*x^57 + u^50*x^56 + u^14*x^54 + u^45*x^53 + u^30*x^52 + u^17*x^51 + u^27*x^50 + u^44*x^49 + u^29*x^48 + u^10*x^46 + u^5*x^45 + u^43*x^44 + u^4*x^43 + u^51*x^42 +
        u^51*x^41 + u^16*x^40 + u^11*x^39 + u^15*x^38 + u^61*x^37 + u^17*x^36 + u^54*x^34 + u^37*x^33 + u^60*x^32 + u^38*x^30 + u^60*x^29 + u^31*x^28 + u^50*x^27 + u^51*x^26 +
        u^59*x^25 + u^23*x^24 + u^48*x^23 + u^41*x^22 + u^25*x^21 + u^54*x^20 + u^7*x^19 + u^55*x^18 + u^2*x^17 + u^60*x^16 + u^62*x^15 + u^41*x^14 + u^7*x^13 + u^53*x^12 + u^23*x^11 + u^20*x^10
        +u^45*x^9 + u^22*x^8 + u^7*x^7 + u^38*x^6 + u^59*x^5 + u^46*x^4 + u^20*x^3 + u^59*x^2 + u^36*x,

    u^10*x^56 + u^54*x^52 + u^62*x^50 + u^7*x^49 + u^4*x^48 + u^32*x^44 + u^40*x^42 + u^48*x^41 + u^41*x^40 + u^50*x^38 + x^37 + u^50*x^36 + u^26*x^35 + u^49*x^34 + u^24*x^33 + u^61*x^32 +
        u^31*x^28 + u^37*x^26 + u^62*x^25 + u^41*x^24 + u^39*x^22 + u^45*x^21 + u^11*x^20 + u^53*x^19 + u^13*x^18 + u^49*x^17 + u^22*x^16 + u^4*x^14 + u^33*x^13 + u^34*x^12 + u^2*x^11 + u^56*x^10
        + u^34*x^9 + u^23*x^8 + u^23*x^7 + u^7*x^6 + u^14*x^5 + u^51*x^4 + u^61*x^3 + u^15*x^2 + u^13*x,

    u^53*x^56 + u^42*x^52 + u^48*x^50 + u^61*x^49 + u^43*x^48 + u^15*x^44 + u^44*x^42 + u^3*x^41 + u^11*x^40 + u^25*x^38 + u^42*x^37 + u^27*x^36 + u^30*x^35 + u^14*x^34 + u^59*x^33 + u^28*x^32 +
        u^2*x^28 + u^11*x^26 + u^34*x^25 + u^57*x^24 + u^42*x^22 + u^46*x^21 + u^29*x^20 + x^19 + u^61*x^18 + u^26*x^17 + u^23*x^16 + u^10*x^14 + u^26*x^13 + u^57*x^12 + u^23*x^11 + u^37*x^9 +
        u^38*x^8 + u^6*x^7 + u^8*x^6 + u^39*x^5 + u^19*x^4 + u^31*x^3 + u^48*x^2 + u^49*x,

    u^42*x^56 + u^26*x^52 + u^18*x^50 + u^24*x^49 + u^48*x^48 + u^57*x^44 + u^12*x^42 + u^46*x^41 + u^4*x^40 + u^49*x^38 + u^56*x^37 + u^58*x^36 + u^28*x^35 + u^52*x^34 + u^62*x^33 + x^32 +

u^25*x^28 + u^34*x^26 + u^52*x^25 + u^61*x^24 + u^25*x^22 + u^30*x^21 + u^5*x^20 + u^10*x^19 + u^24*x^17 + u^58*x^16 + u^35*x^14 + u^59*x^13 + u^28*x^11 + u^56*x^10 + u^42*x^9 + u^47*x^8 + u^30*x^7 + u^16*x^6 + u^60*x^5 + u^31*x^4 + u^17*x^3 + u^40*x^2 + u^10*x,

u^27*x^56 + u^53*x^52 + u^15*x^50 + u^36*x^49 + u^24*x^48 + u^38*x^44 + u^29*x^42 + u^36*x^41 + u^47*x^40 + u^50*x^38 + u^35*x^37 + u^32*x^36 + u^14*x^35 + u^57*x^34 + u^60*x^33 + u^50*x^32 + u^46*x^28 + u^14*x^26 + u*x^24 + u^21*x^22 + u^23*x^21 + u^48*x^20 + u^41*x^19 + u^42*x^18 + u^60*x^17 + u^44*x^16 + u^53*x^14 + u^30*x^13 + u^60*x^12 + u^55*x^11 + x^10 + u^54*x^9 + u^18*x^8 + u^50*x^7 + u^47*x^6 + u^58*x^5 + u^4*x^4 + u^62*x^3 + u^2*x^2 + u^32*x,

x^56 + u^52*x^52 + u^26*x^50 + u^39*x^49 + u^6*x^48 + u^47*x^44 + u^58*x^42 + u^51*x^41 + u^50*x^40 + u^38*x^38 + u^10*x^37 + u^53*x^36 + u^59*x^35 + u^7*x^33 + u^8*x^32 + u^8*x^28 + u^51*x^26 + u^9*x^25 + u^16*x^24 + u^12*x^22 + u^29*x^21 + u^26*x^20 + u^16*x^19 + u^47*x^18 + u^2*x^17 + u^14*x^16 + u^32*x^14 + u^2*x^13 + u^57*x^12 + u^7*x^11 + u^16*x^10 + u^38*x^9 + u^42*x^8 + u^17*x^7 + u^2*x^6 + u^44*x^5 + u^32*x^4 + u^7*x^3 + u^4*x^2 + u^14*x,

u^25*x^56 + u^60*x^52 + u^36*x^50 + u^55*x^49 + u^21*x^48 + u^31*x^44 + u^9*x^42 + u^28*x^41 + u^42*x^40 + u^42*x^38 + u^44*x^37 + u^48*x^36 + u^20*x^35 + u^8*x^34 + u^47*x^33 + u^17*x^32 + u^62*x^28 + u^45*x^26 + u^23*x^25 + u^50*x^24 + u^59*x^22 + u^46*x^21 + u^56*x^20 + u^6*x^19 + u^48*x^18 + u^61*x^17 + u^59*x^16 + u^56*x^14 + u^23*x^13 + u^49*x^12 + u^56*x^11 + u^57*x^10 + u^10*x^9 + u^59*x^8 + u^26*x^7 + u^42*x^6 + u^32*x^5 + u^44*x^4 + u^56*x^3 + u^25*x^2 + u^18*x,

u^3*x^56 + u^43*x^52 + u^54*x^50 + u^27*x^49 + u^43*x^48 + u^50*x^44 + u^42*x^42 + u^23*x^41 + u^54*x^40 + u^53*x^38 + u^7*x^37 + u^23*x^36 + u^14*x^35 + u^50*x^34 + u^13*x^33 + u^18*x^32 + u^46*x^28 + u^54*x^26 + u^45*x^25 + u^18*x^24 + u^11*x^22 + u^13*x^21 + u^36*x^20 + u^39*x^19 + u*x^18 + u^50*x^17 + u^38*x^16 + u^34*x^14 + u^41*x^13 + u^4*x^12 + u^4*x^11 + u^61*x^10 + u^30*x^9 + u^36*x^8 + u^44*x^7 + u^59*x^6 + u^37*x^4 + u^13*x^3 + u^38*x^2 + u^26*x,

u^2*x^56 + u^56*x^52 + u^57*x^50 + u^34*x^49 + u*x^48 + u^22*x^44 + u^10*x^42 + u^27*x^41 + u^59*x^40 + u^43*x^38 + u^15*x^37 + u^5*x^36 + u^35*x^35 + u^3*x^34 + u^49*x^33 + u^44*x^32 + u^57*x^28 + u^19*x^26 + u^11*x^25 + u^53*x^24 + u^31*x^22 + u^8*x^21 + u^42*x^20 + u^36*x^19 + u^55*x^18 + u^9*x^17 + u^60*x^16 + u^46*x^14 + u^45*x^13 + u^38*x^12 + u^40*x^10 + u^26*x^9 +u^47*x^8 + u^57*x^7 + x^6 + u^59*x^5 + u^46*x^4 + u^16*x^3 + u^13*x^2 + u^9*x,

u^31*x^52 + u^17*x^50 + u^18*x^49 + u^35*x^48 + u^11*x^44 + u^30*x^42 + u^51*x^41 + u^52*x^40 + u^34*x^38 + u*x^37 + u^54*x^36 + u^49*x^35 + u^7*x^34 + u^47*x^33 + u^57*x^32 + u^46*x^28 + u^57*x^26 + u^41*x^25 + u^51*x^24 + u^60*x^22 + u^53*x^21 + u^45*x^20 + u^10*x^19 + u^12*x^18 + u^23*x^17 + x^16 + u^21*x^14 + u^48*x^13 + u^19*x^12 + u^46*x^11 + u^52*x^10 + u^20*x^9 + u^5*x^8 + u^40*x^7 + u^13*x^6 + u^22*x^5 + u^57*x^4 + u^35*x^3 + u^2*x^2 + u^47*x,

u^14*x^60 + u^58*x^58 + u^44*x^57 + u^43*x^56 + u^38*x^54 + u^6*x^53 + u^24*x^52 + u^41*x^51 + u^59*x^50 + u^17*x^49 + u^54*x^48 + u^34*x^46 + u^29*x^45 + u^7*x^44 + u^28*x^43 + u^46*x^42 + u^56*x^41 + u^13*x^40 + u^35*x^39 + u^30*x^38 + u^16*x^37 + u^44*x^36 + u^39*x^35 + u^13*x^34 + u^34*x^33 + u^50*x^32 + u^62*x^30 + u^21*x^29 + u^2*x^28 + u^11*x^27 + u^60*x^26 + u^21*x^25 + u^9*x^24 + u^9*x^23 + u^47*x^22 + u^19*x^21 + u^56*x^20 + u^31*x^19 + u^28*x^18 + u^34*x^17 + u^10*x^16 + u^23*x^15 + u^47*x^14 + u^8*x^13 + u^10*x^12 + u^28*x^11 + u^8*x^10 + u^56*x^9 + u^57*x^8 + x^7 + u^38*x^6 + u^53*x^5 + u^19*x^4 + u^7*x^3 + u^61*x^2,

u^11*x^56 + u^57*x^52 + u^20*x^50 + u^39*x^49 + u^57*x^48 + u^31*x^44 + u^21*x^42 + u^9*x^41 + u^3*x^40 + u^31*x^38 + u^34*x^37 + u^24*x^36 + u^12*x^35 + u^56*x^34 + u^43*x^33 + u^34*x^32 + u^32*x^28 + u^60*x^26 + u^15*x^25 + u^62*x^24 + u^53*x^22 + u^54*x^21 + u^36*x^20 + u^16*x^19 + u^52*x^18 + u^5*x^17 + u^33*x^16 + u^54*x^14 + u^62*x^13 + u^58*x^12 + u^27*x^11 + u^42*x^10 + u^14*x^9 + x^8 + u^9*x^7 + u^58*x^6 + u^17*x^5 + u^40*x^4 + u^4*x^3 + u^62*x^2 + u^34*x,

u^48*x^56 + u^39*x^52 + u^18*x^50 + u^27*x^49 + u^13*x^48 + u^7*x^44 + u^43*x^42 + u^3*x^41 + u^42*x^40 + u^35*x^38 + u^46*x^37 + u^56*x^36 + u^34*x^35 + u^49*x^34 + u^50*x^33 + u^13*x^32 + u^19*x^28 + u^56*x^26 + u^17*x^25 + u^30*x^24 + u^10*x^22 + u^4*x^20 + u^40*x^19 + u^42*x^18 + u^35*x^17 + u^49*x^16 + u^48*x^14 + u^2*x^13 + u^39*x^12 + u^17*x^11 + u^55*x^10 + u^53*x^9 + u^30*x^8 + u^41*x^7 + u^62*x^6 + u^39*x^5 + u^52*x^4 + u^3*x^3 + u^50*x^2 + u^11*x,

u^24*x^56 + u^49*x^52 + u^20*x^50 + u^26*x^49 + u^44*x^48 + u^2*x^44 + u^15*x^42 + u^23*x^41 + u^30*x^40 + u^53*x^38 + u^49*x^37 + u*x^36 + u^11*x^35 + u^60*x^34 + u^62*x^33 + u^49*x^32 + u^15*x^28 + u^16*x^25 + u^15*x^24 + u^26*x^22 + u^9*x^20 + u^39*x^19 + u*x^18 + u^44*x^17 + u^51*x^16 + u^20*x^14 + u^49*x^13 + u^14*x^12 + u^25*x^11 + u^59*x^10 + u^47*x^9 + u^47*x^8 + u^11*x^7 + u^19*x^6 + u^54*x^5 + u^3*x^4 + u^45*x^3 + u^43*x^2 + u^17*x,

u^30*x^56 + u^6*x^52 + x^50 + u^17*x^49 + u^8*x^48 + u^46*x^44 + u^42*x^42 + u^14*x^41 + u^5*x^40 + u^60*x^38 + u^30*x^37 + u^24*x^36 + u^42*x^35 + u^56*x^34 + u^37*x^33 + u^37*x^32 + u^40*x^28 + u^56*x^26 + u^15*x^25 + u^6*x^24 + u^16*x^22 + u^2*x^21 + u^52*x^20 + u^48*x^19 + u^14*x^18 + u^62*x^17 + u^19*x^16 + x^14 + u^45*x^13 + u^26*x^12 + u^26*x^11 + u^56*x^10 + u^29*x^9 + u^43*x^8 + u^28*x^7 + u^62*x^6 + x^5 + u^62*x^4 + u^40*x^3 + u^14*x^2 + u^62*x,

u^42*x^56 + u^11*x^52 + u^48*x^50 + u^20*x^49 + u^59*x^48 + u^17*x^44 + u^16*x^42 + u^35*x^41 + u*x^40 + u^25*x^38 + u^61*x^37 + u^32*x^36 + u^52*x^35 + u^16*x^34 + u^45*x^33 + u^62*x^32 + u^56*x^28 + u^7*x^26 + u^34*x^25 + u^53*x^24 + u^58*x^22 + u^6*x^21 + u^50*x^20 + u^49*x^19 + u^15*x^17 + u^35*x^16 + u^8*x^14 + u^55*x^13 + u^53*x^12 + u^31*x^11 + u^20*x^10 + u^11*x^9 + u^2*x^8 + u^41*x^7 + u^22*x^6 + u^34*x^5 + u^5*x^4 + u^43*x^3 + u^27*x^2 + u^8*x,

u^36*x^56 + u^28*x^52 + u^60*x^50 + u^45*x^49 + u^25*x^48 + u^48*x^44 + u^43*x^42 + u^39*x^41 + u^61*x^40 + u^61*x^38 + u^40*x^37 + u^5*x^35 + u^9*x^34 + u^22*x^33 + u*x^32 + u^51*x^28 + u^46*x^26 + u^18*x^25 + x^24 + u*x^22 + u^50*x^21 + u^5*x^20 + u^60*x^19 + u^48*x^18 + u^10*x^17 + u^40*x^16 + u^10*x^14 + u^42*x^13 + u^5*x^12 + u^25*x^11 + u^4*x^10 + u^28*x^9 + u^46*x^8 + u^60*x^7 + x^6 + u^53*x^5 + u^51*x^4 + x^3 + u^17*x^2 + u^46*x,

u^31*x^60 + u^12*x^58 + u^61*x^57 + u^50*x^56 + u^55*x^54 + u^23*x^53 + u^48*x^52 + u^58*x^51 + u^47*x^50 + u^55*x^49 + u^53*x^48 + u^51*x^46 + u^46*x^45 + u^52*x^44 + u^45*x^43 + u^2*x^42 + u^4*x^41 + u^38*x^40 + u^52*x^39 + u^48*x^38 + u^2*x^37 + u^23*x^36 + x^35 + u^33*x^34 + u^40*x^33 + u*x^32 + u^16*x^30 + u^38*x^29 + u^37*x^28 + u^28*x^27 + u^35*x^26 + u^4*x^25 + u^46*x^24 + u^26*x^23 + u^22*x^22 + u^58*x^21 + u^52*x^20 + u^13*x^19 + u^46*x^18 + u^52*x^17 + u^52*x^16 + u^40*x^15 + u^47*x^14 + u^50*x^13 + u^56*x^12 + u^38*x^11 + u^41*x^10 + u^36*x^9 + u^49*x^8 + u^28*x^7 + u^51*x^6 + u^12*x^5 + u^27*x^4 + u^27*x^3 + u^30*x^2 + u^24*x,

u^27*x^56 + u^28*x^52 + u^28*x^50 + u^54*x^49 + u^54*x^48 + u^19*x^44 + u^56*x^42 + u^52*x^41 + u^12*x^40 + u^41*x^38 + u^13*x^37 + u^39*x^36 + u^25*x^35 + u^55*x^34 + u^50*x^33 + u^40*x^32 + u^28*x^28 + u^47*x^26 + u^33*x^25 + u^12*x^24 + u^22*x^22 + u^12*x^21 + u^13*x^20 + u^31*x^19 + u^24*x^18 + u^3*x^17 + u^7*x^16 + u^49*x^14 + u^50*x^13 + u^5*x^12 + u^35*x^11 + u^10*x^10 + u^36*x^9 + x^8 + u^12*x^7 + u^7*x^6 + u^54*x^5 + u^7*x^4 + u^5*x^3 + u^59*x^2 + u^62*x,

u^30*x^56 + u^11*x^52 + u^24*x^50 + u^31*x^49 + u^10*x^48 + u^5*x^44 + u^28*x^42 + u^27*x^41 + x^40 + u^32*x^38 + u^47*x^37 + u^24*x^36 + u^40*x^35 + x^34 + u^57*x^33 + u^3*x^32 + u*x^28 + u^6*x^26 + u^18*x^25 + u^8*x^24 + u^3*x^22 + u^58*x^21 + u^26*x^20 + u^48*x^19 + u^47*x^18 + u^55*x^17 + u^32*x^16 + u^53*x^14 + u^37*x^13 + u^60*x^12 + u^37*x^11 + u^49*x^10 + u^18*x^9 + u^11*x^8 + u^15*x^7 + u^46*x^6 + u^50*x^5 + u^41*x^4 + u^18*x^3 + u^37*x^2 + u^45*x,

u^17*x^60 + u^61*x^58 + u^47*x^57 + u^45*x^56 + u^41*x^54 + u^9*x^53 + u^57*x^52 + u^44*x^51 + u^24*x^50 + u^50*x^49 + u^47*x^48 + u^37*x^46 + u^32*x^45 + u^5*x^44 + u^31*x^43 + u^59*x^42 + u^54*x^41 + u^55*x^40 + u^38*x^39 + u^15*x^38 + u^29*x^37 + u^11*x^36 + u^38*x^35 + u^51*x^34 + u^47*x^33 + u^7*x^32 + u^2*x^30 + u^24*x^29 + u^40*x^28 + u^14*x^27 + u^49*x^26 + u^25*x^25 + u^26*x^24 + u^12*x^23 + x^22 + u^36*x^21 + u^52*x^20 + u^28*x^19 + u^3*x^18 + u^52*x^17 + u^15*x^16 + u^26*x^15 + u^36*x^14 + u^44*x^13 + u^59*x^12 + u^42*x^11 + u^30*x^10 + u^23*x^9 + u^25*x^8 + u^3*x^7 + u^41*x^6 + u^44*x^5 + u^11*x^4 + u^54*x^3 + u^31*x^2 + u^43*x,

u^57*x^56 + u^5*x^52 + u^50*x^50 + u^33*x^49 + u*x^48 + u^61*x^44 + u^11*x^42 + u^21*x^41 + u^59*x^40 + u^6*x^38 + u^35*x^37 + u^17*x^36 + u^14*x^35 + u^59*x^34 + u^11*x^33 + x^32 + u^2*x^28 + u^16*x^26 + u^2*x^25 + u^5*x^24 + u^51*x^22 + u^34*x^21 + u^42*x^20 + u^43*x^19 + u^21*x^18 + u^12*x^17 + u^25*x^16 + u^60*x^13 + u^20*x^12 + u^27*x^11 + u^20*x^10 + u^44*x^9 + u^53*x^8 + u^8*x^7 + u^9*x^6 + u*x^5 + u^41*x^4 + u^49*x^3 + u^11*x^2 + u^5*x,

u^33*x^60 + u^14*x^58 + x^57 + u^21*x^56 + u^57*x^54 + u^25*x^53 + u^11*x^52 + u^60*x^51 + u^46*x^50 + u^29*x^49 + u^55*x^48 + u^53*x^46 + u^48*x^45 + u^43*x^44 + u^47*x^43 + u^20*x^42 + u^41*x^41 + u^30*x^40 + u^54*x^39 + u^50*x^38 + u^36*x^37 + u^21*x^36 + u^39*x^35 + u^28*x^34 + u^32*x^33 + u^12*x^32 + u^18*x^30 + u^40*x^29 + u^53*x^28 + u^30*x^27 + u^58*x^26 + u^4*x^25 + u^26*x^24 + u^28*x^23 + u^40*x^22 + u^19*x^21 + u^16*x^20 + u^40*x^19 + u^49*x^18 + u^34*x^17 + u^24*x^16 + u^42*x^15 + u^11*x^14 + u^13*x^13 + u^48*x^12 + u^44*x^11 + u^41*x^10 + u^56*x^9 + u^46*x^8 + u^51*x^7 + u^27*x^6 + u^57*x^5 + u^8*x^4 + u^55*x^3 + u^50*x^2 + u^48*x,

u^27*x^56 + u^22*x^52 + u^18*x^49 + u^9*x^48 + u^39*x^44 + u^31*x^42 + u^39*x^41 + u^48*x^40 + u^21*x^38 + u^57*x^37 + u^26*x^36 + u^52*x^35 + u^14*x^34 + u^42*x^33 + u^3*x^32 + u^13*x^28 + u^7*x^26 + u^20*x^25 + u^42*x^24 + u^5*x^22 + u^20*x^21 + u^36*x^20 + u^62*x^19 + u^22*x^18 + u^15*x^17 + u^41*x^16 + u^59*x^14 + u^31*x^13 + u^27*x^12 + u^6*x^11 + u^54*x^10 + u^11*x^9 + u^40*x^8 + u^42*x^7 + u^3*x^6 + u^13*x^5 + u^48*x^4 + u^15*x^3 + u^48*x^2 + u^9*x,

u^55*x^56 + u^61*x^52 + u^46*x^50 + u^12*x^48 + u^52*x^44 + u^14*x^42 + u^44*x^41 + u^40*x^40 + u^57*x^38 + u^58*x^36 + u^59*x^35 + u^2*x^34 + u^12*x^33 + u^41*x^32 + u^42*x^28 + u^57*x^26 + u^20*x^25 + u^44*x^24 + u^58*x^22 + u^11*x^21 + u^20*x^20 + u^21*x^19 + u^56*x^18 + u^13*x^17 + u^56*x^16 + u^36*x^14 + u^23*x^13 + u^29*x^12 + u^42*x^11 + u^7*x^10 + u^19*x^9 + u^54*x^8 + u^19*x^7 + u^7*x^6 + u^47*x^5 + u^49*x^4 + u^22*x^3 + u^41*x^2 + u^39*x,

u^41*x^56 + u^51*x^52 + x^50 + u^17*x^49 + u^56*x^48 + u^52*x^44 + u^52*x^42 + u^25*x^41 + u^59*x^40 + u^57*x^38 + u^54*x^37 + u^19*x^36 + u*x^35 + u^61*x^34 + u^31*x^33 + u^33*x^32 + u^47*x^28 + u^21*x^26 + u^40*x^25 + u^53*x^24 + u^39*x^22 + u^3*x^21 + u^25*x^20 + u^55*x^19 + u^36*x^18 + u^26*x^17 + u^9*x^16 + u*x^14 + u^53*x^13 + u^7*x^12 + u^28*x^11 + u^60*x^9 + u^31*x^8 + u^60*x^7 + u^30*x^6 + u^31*x^5 + u^40*x^4 + u^51*x^3 + u^57*x^2 + u^14*x,

u^21*x^56 + u^58*x^52 + u^19*x^50 + u^14*x^49 + u^8*x^48 + u^55*x^44 + u^34*x^42 + u^18*x^41 + u^29*x^40 + u^14*x^38 + u^10*x^37 + u^9*x^36 + u^24*x^35 + u^44*x^34 + u^31*x^33 + u^46*x^32 + u^52*x^28 + u^61*x^26 + u^18*x^25 + u^6*x^24 + u^59*x^22 + u^51*x^21 + u^16*x^20 + u^8*x^19 + u^59*x^18 + u^57*x^17 + u^59*x^16 + u^56*x^14 + u^10*x^13 + u^13*x^12 + u^47*x^11 + u^48*x^10 + u^32*x^9 + u^47*x^8 + u^62*x^7 + u^17*x^6 + u^21*x^5 + u^43*x^4 + u^7*x^3 + u^53*x^2 + u^62*x,

u^47*x^56 + u^33*x^52 + u^17*x^50 + u^29*x^49 + u^7*x^48 + u^55*x^44 + u^28*x^42 + u^23*x^41 + u^3*x^40 + u^28*x^38 + u^50*x^37 + u^41*x^36 + u^24*x^35 + u^35*x^34 + u^29*x^33 + u^14*x^32 +

u^51*x^28 + u^7*x^26 + u^57*x^25 + u^26*x^24 + u^37*x^21 + u^14*x^20 + u^43*x^19 + u^24*x^18 + u^34*x^17 + u^18*x^16 + u^8*x^14 + u^19*x^13 + u^59*x^12 + u^23*x^11 + u^58*x^10 + u^23*x^9 +
u*x^8 + u^12*x^7 + u^22*x^6 + u^39*x^5 + u^41*x^4 + u^39*x^3 + u^22*x^2 + u^25*x,

u^14*x^60 + u^58*x^58 + u^44*x^57 + u^53*x^56 + u^38*x^54 + u^6*x^53 + u^19*x^52 + u^41*x^51 + u^46*x^50 + u^10*x^49 + u^14*x^48 + u^34*x^46 + u^29*x^45 + u^49*x^44 + u^28*x^43 + u^46*x^42 +
u^6*x^41 + u^57*x^40 + u^35*x^39 + u^43*x^38 + u^46*x^37 + u^44*x^36 + u^42*x^35 + u*x^34 + u^7*x^33 + u^16*x^32 + u^62*x^30 + u^21*x^29 + u^27*x^28 + u^11*x^27 + u^16*x^26 + u^26*x^25 +
u^35*x^24 + u^9*x^23 + u^17*x^22 + u^48*x^21 + u^7*x^20 + u^18*x^19 + u^59*x^18 + u^59*x^17 + u^14*x^16 + u^23*x^15 + u^34*x^14 + u^46*x^13 + u^10*x^12 + u^9*x^11 + u^26*x^10 + u^9*x^9 +
u^25*x^8 + u^25*x^7 + u^50*x^6 + u^25*x^5 + u^52*x^4 + u^19*x^3 + u^53*x^2 + u^14*x,

u^53*x^60 + u^34*x^58 + u^20*x^57 + u^53*x^56 + u^14*x^54 + u^45*x^53 + u^34*x^52 + u^17*x^51 + u^54*x^50 + u^43*x^49 + u^29*x^48 + u^10*x^46 + u^5*x^45 + u^20*x^44 + u^4*x^43 + u^31*x^42 +
u^34*x^41 + u^59*x^40 + u^11*x^39 + u^59*x^38 + u^8*x^37 + u^33*x^36 + u^60*x^35 + u^5*x^34 + u^5*x^33 + u^41*x^32 + u^38*x^30 + u^60*x^29 + u^33*x^28 + u^50*x^27 + u^51*x^26 + u^41*x^25 +
u^50*x^24 + u^48*x^23 + u^49*x^22 + u^9*x^21 + u^18*x^20 + u^58*x^19 + u^42*x^18 + u^46*x^17 + u^21*x^16 + u^62*x^15 + u^7*x^14 + u^58*x^13 + u^55*x^12 + u^41*x^11 + u^46*x^10 + u^46*x^9 +
u^38*x^8 + u^6*x^7 + u^59*x^6 + u^54*x^5 + u^11*x^4 + u^60*x^3 + u^19*x^2 + u^4*x,

u^52*x^56 + u^28*x^52 + u^18*x^50 + u^48*x^49 + u^58*x^48 + u^57*x^42 + u^47*x^41 + u^10*x^40 + u^22*x^38 + u^27*x^37 + u^23*x^36 + u^58*x^35 + u^14*x^34 + u^23*x^33 + u^3*x^32 + u^57*x^28 +
u^13*x^26 + u^8*x^25 + u^60*x^24 + u^5*x^22 + u^44*x^20 + u^3*x^19 + u^24*x^18 + u^57*x^17 + u^49*x^16 + u^50*x^14 + u^12*x^12 + u^26*x^11 + u^23*x^10 + u^17*x^9 + u^50*x^8 + u^39*x^7 +
u^32*x^6 + u*x^5 + u^22*x^4 + u^11*x^3 + u^36*x^2 + u^55*x,

u^33*x^60 + u^14*x^58 + x^57 + u^11*x^56 + u^57*x^54 + u^25*x^53 + u^24*x^52 + u^60*x^51 + u^24*x^50 + u^18*x^49 + u^56*x^48 + u^53*x^46 + u^48*x^45 + u^35*x^44 + u^47*x^43 + u^5*x^42 +
u^29*x^41 + u^11*x^40 + u^54*x^39 + u^62*x^38 + u^41*x^37 + u^8*x^36 + u^36*x^35 + u^61*x^34 + u^35*x^33 + u^58*x^32 + u^18*x^30 + u^40*x^29 + u^30*x^28 + u^30*x^27 + u^45*x^26 + u^42*x
^25
+ u^42*x^24 + u^28*x^23 + u*x^22 + u^41*x^21 + u^52*x^20 + u^4*x^19 + u^60*x^18 + u^3*x^17 + u^33*x^16 + u^42*x^15 + u^17*x^14 + u^36*x^13 + u^35*x^12 + u^28*x^11 + u^8*x^10 + u^27*x^9 +
u^39*x^8 + u^17*x^7 + u^42*x^6 + u^44*x^5 + u^8*x^4 + u^28*x^3 + u^49*x^2 + u^61*x,

u^22*x^56 + u^45*x^52 + u^4*x^50 + u^36*x^49 + u^16*x^48 + u^62*x^44 + u^44*x^42 + u^53*x^41 + u^48*x^40 + u^45*x^38 + u^55*x^37 + u^62*x^36 + u^50*x^35 + u^55*x^34 + u^6*x^33 + u^60*x^32 +
u^54*x^28 + u^6*x^25 + u^49*x^24 + u^17*x^22 + u^11*x^21 + u^56*x^20 + u^38*x^19 + u^37*x^18 + u^62*x^17 + u*x^16 + u^61*x^14 + u^36*x^13 + u*x^12 + u^2*x^11 + u^2*x^10 + u^8*x^9 +
u^52*x^8 + u^51*x^7 + u^58*x^6 + u^61*x^5 + u^53*x^4 + u^31*x^3 + u^18*x^2 + u^3*x,

u^17*x^60 + u^61*x^58 + u^47*x^57 + u^11*x^56 + u^41*x^54 + u^9*x^53 + u^18*x^52 + u^44*x^51 + u^12*x^50 + u^52*x^49 + u^33*x^48 + u^37*x^46 + u^32*x^45 + u^38*x^44 + u^31*x^43 + u^13*x^42 +
u^31*x^41 + u^32*x^40 + u^38*x^39 + u^52*x^38 + u^48*x^37 + u^47*x^36 + u^26*x^35 + u^6*x^34 + u^4*x^33 + u^53*x^32 + u^2*x^30 + u^24*x^29 + u^32*x^28 + u^14*x^27 + u^17*x^26 + x^25 +
u^45*x^24 + u^12*x^23 + u^31*x^22 + u^42*x^21 + u^39*x^20 + u^53*x^19 + u^41*x^18 + u^41*x^17 + u^41*x^16 + u^26*x^15 + u^57*x^14 + u^40*x^13 + u^11*x^12 + u^42*x^11 + u^36*x^10 + u^55*x
^9
+ u^23*x^8 + u^4*x^7 + u^41*x^6 + u^43*x^5 + u^9*x^4 + u^17*x^3 + u*x^2 + u^25*x,

u^11*x^56 + u^23*x^52 + u^8*x^50 + u^2*x^49 + u^24*x^48 + u*x^44 + u^9*x^42 + u^48*x^41 + u^36*x^40 + u^12*x^38 + u^25*x^37 + u^56*x^36 + u^31*x^35 + u^61*x^34 + u^25*x^33 + u^40*x^32 +
u^55*x^28 + u^49*x^26 + u^54*x^25 + u^10*x^24 + u^11*x^22 + u^56*x^21 + u^25*x^20 + u^39*x^19 + u^16*x^18 + u^52*x^17 + u^58*x^16 + u^29*x^14 + u^19*x^13 + u^36*x^12 + u^12*x^11 +
u^62*x^10 + u^48*x^9 + u^15*x^8 + u^33*x^7 + u^20*x^6 + u^57*x^5 + u^30*x^4 + u^26*x^3 + u^17*x^2 + u^38*x,

u*x^56 + u^46*x^52 + u^3*x^50 + u^32*x^49 + u^16*x^48 + u^52*x^44 + u^54*x^42 + u^40*x^41 + u^11*x^40 + u^18*x^38 + u^18*x^37 + u^6*x^36 + u^46*x^35 + u^6*x^34 + u^45*x^33 + u^46*x^32 +
u^62*x^28 + u^21*x^26 + x^25 + u^8*x^24 + u^25*x^22 + u^29*x^21 + u^40*x^20 + u^27*x^19 + u^47*x^18 + u^26*x^17 + u^55*x^16 + u^11*x^14 + u^31*x^13 + u^15*x^12 + u^62*x^11 + u^20*x^10 +
u^21*x^9 + u^36*x^8 + u^5*x^7 + u^4*x^6 + u^53*x^5 + u^60*x^4 + u^58*x^3 + u^10*x^2 + u^5*x,

u^36*x^56 + u*x^52 + u^45*x^50 + u^6*x^49 + u^2*x^48 + u*x^44 + u^22*x^42 + u^53*x^41 + u^3*x^40 + u^12*x^38 + u^57*x^37 + u^47*x^36 + u^50*x^35 + u^40*x^34 + u^15*x^33 + u^51*x^32 + u^57*x
^28
+ u^18*x^26 + u^46*x^25 + u^43*x^24 + u^46*x^22 + u^43*x^21 + u^8*x^20 + u^8*x^19 + u^60*x^18 + u^38*x^17 + u^42*x^16 + u^15*x^14 + u^52*x^13 + u^52*x^12 + u^20*x^11 + u^58*x^10 + u^41*x
^9
+ u^9*x^8 + u^12*x^7 + u^36*x^6 + u^56*x^5 + u^39*x^4 + u^35*x^3 + u^6*x^2 + u^50*x,

u^58*x^56 + u^55*x^52 + u^17*x^50 + u^45*x^48 + u^54*x^44 + u^4*x^42 + u^49*x^41 + u^2*x^40 + u^21*x^38 + u^60*x^37 + u^30*x^36 + u^47*x^35 + u^49*x^34 + u^55*x^33 + u^5*x^32 + u^25*x^28 +
u^41*x^26 + u^16*x^25 + u^2*x^24 + u^36*x^22 + u^52*x^21 + u^61*x^20 + u^29*x^19 + u^60*x^18 + u*x^17 + u^13*x^16 + u^41*x^14 + u^22*x^13 + u^26*x^12 + u^30*x^11 + u^10*x^10 + u^25*x^9 +
u^10*x^8 + u^13*x^7 + u^57*x^6 + u^19*x^5 + u^22*x^4 + u^50*x^3 + u^16*x^2 + u^2*x,

u^50*x^56 + u^12*x^52 + u^17*x^50 + u^35*x^49 + u^28*x^48 + u^13*x^44 + u^6*x^42 + u^49*x^41 + u^43*x^40 + u^34*x^38 + u^20*x^37 + u^54*x^36 + u^55*x^35 + u^13*x^34 + u^8*x^33 + u^11*x^32 +
u^55*x^28 + u^50*x^26 + u^10*x^25 + u^48*x^24 + u^50*x^22 + u^31*x^21 + u^57*x^20 + u^10*x^19 + u^8*x^17 + u^56*x^16 + u^6*x^14 + u^24*x^13 + u^36*x^12 + u^11*x^11 + u^7*x^10 + u^34*x^9 +
u^53*x^8 + u^38*x^7 + u^38*x^6 + u^21*x^5 + u^49*x^4 + u^59*x^3 + u^56*x^2 + u^6*x,

u^14*x^60 + u^58*x^58 + u^44*x^57 + u^12*x^56 + u^38*x^54 + u^6*x^53 + u^8*x^52 + u^41*x^51 + u^32*x^50 + u^50*x^49 + u^49*x^48 + u^34*x^46 + u^29*x^45 + u^14*x^44 + u^28*x^43 + u^31*x^42 +
u^15*x^41 + u^51*x^40 + u^35*x^39 + u^7*x^38 + u^32*x^37 + u^51*x^36 + u^58*x^35 + u*x^34 + u^52*x^33 + u^3*x^32 + u^62*x^30 + u^21*x^29 + u^19*x^28 + u^11*x^27 + u^51*x^26 + u^36*x^25 +
u^51*x^24 + u^9*x^23 + u^15*x^22 + u*x^21 + u^16*x^20 + u^16*x^19 + u^62*x^18 + u^51*x^17 + u^33*x^16 + u^23*x^15 + u^38*x^14 + u^25*x^13 + u^47*x^12 + u^20*x^11 + u^38*x^10 + u^42*x^9 +
u^60*x^8 + u^11*x^7 + u^12*x^6 + u^26*x^5 + u^6*x^4 + u^38*x^3 + u^43*x^2 + u^13*x,

u^25*x^56 + u^8*x^52 + u^13*x^50 + u^24*x^49 + u^59*x^48 + u^22*x^44 + u^4*x^42 + u^2*x^41 + u^21*x^40 + u^26*x^38 + u^33*x^37 + u^37*x^36 + u^59*x^35 + u^38*x^34 + u^21*x^33 + u^27*x^32 +
u^9*x^28 + u^48*x^26 + u^43*x^25 + u^42*x^24 + u^41*x^22 + u^7*x^21 + u*x^20 + u^35*x^19 + u^10*x^17 + u^11*x^16 + u^24*x^14 + x^13 + u^29*x^12 + u^41*x^11 + u^11*x^10 + u^43*x^9 +
u^62*x^8 + u^57*x^7 + u^58*x^6 + u^11*x^5 + u^38*x^4 + u^33*x^3 + u^22*x^2 + u^7*x,

u^14*x^60 + u^58*x^58 + u^44*x^57 + u^4*x^56 + u^38*x^54 + u^6*x^53 + u^32*x^52 + u^41*x^51 + u^50*x^50 + u^21*x^49 + u^2*x^48 + u^34*x^46 + u^29*x^45 + u^47*x^44 + u^28*x^43 + u^48*x^42 +
u^52*x^41 + u^7*x^40 + u^35*x^39 + u^19*x^38 + u^23*x^37 + u^11*x^36 + u^21*x^35 + u^29*x^34 + u^26*x^33 + u^16*x^32 + u^62*x^30 + u^21*x^29 + u^55*x^28 + u^11*x^27 + u^9*x^26 + u^29*x^25 +
u^29*x^24 + u^9*x^23 + u^28*x^22 + u^55*x^21 + u^54*x^20 + u^2*x^19 + u^9*x^18 + u^3*x^17 + u^47*x^16 + u^23*x^15 + u^57*x^14 + u^23*x^13 + u^39*x^12 + u^3*x^11 + u^43*x^10 + u^7*x^9 +
u^33*x^8 + u^13*x^7 + u^39*x^6 + u^36*x^5 + u^54*x^4 + u^40*x^3 + u^40*x^2 + u^46*x,

u^62*x^56 + u^2*x^52 + u^46*x^50 + u^57*x^49 + u^37*x^48 + u^2*x^44 + u^5*x^42 + u^46*x^41 + u^21*x^40 + u^13*x^38 + u^58*x^37 + u^11*x^36 + u^33*x^35 + u^44*x^34 + u^26*x^33 + u^62*x^32 +
u^7*x^28 + u^23*x^26 + u^51*x^25 + u^21*x^24 + u^37*x^22 + u^48*x^21 + u^19*x^20 + u^41*x^19 + u^13*x^18 + u^39*x^17 + u^8*x^16 + u^13*x^14 + u^39*x^13 + x^12 + u^27*x^11 + u^33*x^10 +
u^33*x^9 + u^15*x^8 + u^50*x^7 + u^31*x^6 + u^26*x^5 + u^6*x^4 + u^36*x^3 + u^43*x^2 + u^3*x,

u^43*x^56 + u^50*x^52 + u^4*x^50 + u^53*x^49 + u^60*x^48 + u^31*x^44 + u^49*x^42 + u^43*x^41 + u^6*x^40 + u^41*x^38 + u^25*x^37 + u^43*x^36 + u^49*x^35 + u^20*x^34 + u^23*x^33 + u^52*x^32 +
u^2*x^26 + u^2*x^25 + u^11*x^24 + u^10*x^22 + u^35*x^21 + u^49*x^20 + u^31*x^19 + u^17*x^18 + u^25*x^17 + u^59*x^16 + u^16*x^14 + u^38*x^13 + u^9*x^12 + u^36*x^11 + u^58*x^10 + u^3*x^9 +
u^37*x^8 + u^39*x^7 + u^48*x^6 + u^41*x^5 + u^62*x^4 + u^49*x^2 + u^36*x,

u^13*x^56 + u^32*x^52 + u^26*x^50 + u^47*x^49 + u^3*x^48 + u^25*x^44 + u^33*x^42 + u^10*x^41 + u^17*x^40 + u^6*x^38 + u^6*x^37 + u^39*x^36 + u^41*x^35 + u^46*x^34 + u^7*x^33 + u^47*x^32 +
u^43*x^28 + u^33*x^26 + u^25*x^25 + u^62*x^24 + u^25*x^22 + u^42*x^21 + u^50*x^20 + u^62*x^19 + u^4*x^18 + u^30*x^17 + u^26*x^16 + u^3*x^14 + u^22*x^13 + u^11*x^12 + u^15*x^11 + u^32*x^9
+
u^50*x^8 + u^31*x^7 + u^45*x^6 + u^48*x^5 + u^18*x^4 + u^37*x^3 + u^25*x^2 + u^20*x,

u^29*x^56 + u^24*x^52 + u^55*x^50 + u^39*x^49 + u^6*x^48 + u^37*x^44 + u^31*x^42 + u^15*x^41 + u^7*x^40 + u^9*x^38 + u^11*x^37 + u^24*x^36 + u^58*x^35 + u^55*x^34 + u^56*x^33 + u^36*x^32 +
u^62*x^28 + u^56*x^26 + u^28*x^25 + u^31*x^24 + u^2*x^22 + u^40*x^21 + u^23*x^20 + u*x^19 + u^61*x^18 + u^49*x^17 + u^51*x^16 + u^14*x^14 + u^11*x^13 + u^58*x^12 + u^34*x^11 + u^39*x^10 +
u^21*x^9 + u^19*x^8 + u^46*x^7 + x^6 + u^27*x^5 + u^48*x^4 + u^51*x^3 + u^10*x^2 + u^24*x,

u^45*x^56 + u^4*x^52 + u^30*x^50 + u^10*x^49 + u^3*x^48 + u^6*x^44 + u*x^42 + u^34*x^41 + u^35*x^40 + u^42*x^38 + u^23*x^37 + u^32*x^36 + u^3*x^35 + u^12*x^34 + u^5*x^33 + u^9*x^32 + u^43*x
^28
+ u^8*x^26 + u^54*x^25 + u^58*x^24 + u^45*x^22 + u^57*x^21 + u^49*x^20 + u^15*x^17 + u^15*x^16 + u^33*x^14 + x^13 + u^35*x^12 + u^29*x^11 + u^31*x^10 + u^26*x^9 + u^60*x^8 + u^33*x^7 +
u^50*x^6 + u^58*x^5 + u^62*x^4 + u^35*x^3 + u^57*x^2 + u^60*x,

u^61*x^56 + u^33*x^52 + u^16*x^50 + u^14*x^49 + u^10*x^48 + u^33*x^42 + u^25*x^41 + u^58*x^40 + u^59*x^38 + u^14*x^37 + u^14*x^36 + u^7*x^35 + u^20*x^34 + u^3*x^33 + u^51*x^32 + u^49*x^28 +
u^13*x^26 + u^48*x^25 + u^54*x^24 + u^9*x^22 + u*x^21 + u^35*x^20 + u^48*x^19 + u^33*x^18 + u^59*x^17 + u^35*x^16 + u^7*x^14 + u^24*x^13 + u^12*x^12 + u^33*x^11 + u^18*x^10 + u^12*x^9 +
u^11*x^8 + u^61*x^7 + u^52*x^6 + u^48*x^5 + u^2*x^4 + u^50*x^3 + u^18*x^2 + u^14*x,

u^23*x^56 + u^38*x^52 + u^31*x^50 + u^47*x^49 + u^37*x^48 + u^57*x^44 + u^2*x^42 + u^17*x^41 + u^4*x^40 + u^28*x^38 + u^50*x^37 + u^44*x^36 + u^19*x^35 + u^6*x^34 + u^17*x^33 + u^28*x^32 +
u^29*x^28 + u^34*x^26 + u^9*x^25 + u^58*x^24 + u^18*x^22 + u^43*x^21 + u^62*x^20 + u^52*x^19 + u^42*x^18 + u^57*x^17 + u^32*x^16 + u^13*x^14 + u^34*x^13 + u^55*x^12 + u^13*x^11 + u^44*x
^10
+ u*x^24*x^9 + u^45*x^8 + u^50*x^7 + u^26*x^6 + u^2*x^5 + u^57*x^4 + u^29*x^3 + u^61*x^2 + u^23*x,

u^57*x^56 + u^21*x^52 + u^7*x^50 + u^24*x^49 + u^45*x^48 + u^33*x^44 + u^11*x^42 + u^37*x^41 + u^44*x^40 + u^29*x^38 + u^21*x^36 + u^21*x^35 + u^47*x^34 + u^54*x^33 + u^39*x^32 + u^27*x^28 +
u^35*x^26 + u^13*x^25 + u^49*x^24 + u^52*x^22 + u^9*x^21 + u^57*x^20 + u^6*x^18 + u^49*x^17 + u^20*x^16 + u^31*x^14 + u^42*x^13 + u^18*x^12 + u^38*x^11 + u^2*x^10 + u^12*x^9 + u^26*x^8 +
u*x^7 + u^58*x^6 + u^52*x^5 + u^11*x^4 + u^26*x^3 + u^53*x^2 + u^22*x,

u^9*x^56 + u^5*x^52 + u^19*x^50 + u^35*x^49 + u^9*x^48 + u^5*x^44 + u^7*x^42 + u^37*x^41 + u^58*x^40 + u^55*x^38 + u^17*x^37 + u^49*x^36 + u^49*x^35 + u^26*x^34 + x^33 + u^41*x^32 + u^61*x^28 +
u^51*x^26 + u^23*x^25 + u^58*x^24 + u^40*x^22 + u^60*x^21 + u^20*x^20 + u^44*x^19 + u^50*x^18 + u^26*x^17 + u^10*x^16 + u^10*x^14 + u^13*x^13 + u^51*x^12 + u^10*x^11 + u^60*x^10 +

u^9*x^9 + u^8*x^8 + u^49*x^7 + u^53*x^6 + u^43*x^5 + u^17*x^4 + u^24*x^3 + u^25*x^2,

u^55*x^56 + u^5*x^52 + u^54*x^50 + u^24*x^49 + u^57*x^44 + u^45*x^42 + u^3*x^41 + u^28*x^40 + u^39*x^38 + u^25*x^37 + u^13*x^36 + u^34*x^35 + u^22*x^34 + u^22*x^33 + u^51*x^32 + u^34*x^28 + u^23*x^26 + u^9*x^25 + u^29*x^24 + u^48*x^22 + u^8*x^21 + u^29*x^20 + u^55*x^19 + u^7*x^18 + u^56*x^17 + u^32*x^16 + u^8*x^14 + u^9*x^13 + u^26*x^12 + u^10*x^11 + u^55*x^10 + u^55*x^9 + u^54*x^8 + u^7*x^7 + u^38*x^6 + u^34*x^5 + u^2*x^4 + u^6*x^3 + u^26*x^2 + u^61*x,

u^11*x^56 + u^32*x^52 + u^10*x^50 + u^52*x^49 + u^31*x^48 + u^15*x^44 + u^9*x^42 + u^55*x^41 + u^26*x^40 + u^36*x^38 + u^34*x^37 + u^21*x^36 + u^34*x^35 + u^10*x^34 + u^29*x^33 + u^22*x^32 + u^44*x^28 + u^36*x^26 + u^5*x^25 + u^11*x^24 + u^45*x^22 + u^33*x^21 + u^32*x^20 + u^46*x^19 + u^21*x^18 + u^60*x^17 + u^62*x^16 + u^30*x^14 + x^13 + u^18*x^12 + u^10*x^11 + u^18*x^10 + u^38*x^9 + u^2*x^8 + u^45*x^7 + u^49*x^6 + u^44*x^5 + u^57*x^4 + u^33*x^3 + u^62*x^2 + u^22*x,

u^17*x^56 + u^28*x^52 + u^19*x^50 + x^49 + u^24*x^48 + u^41*x^44 + u^62*x^42 + u^8*x^41 + u^23*x^40 + u^31*x^38 + u*x^37 + u^49*x^36 + u^42*x^35 + u^60*x^34 + u^17*x^33 + u^3*x^32 + u^56*x^28 + u^45*x^26 + u^10*x^25 + u^60*x^24 + u^4*x^22 + u^45*x^21 + u^37*x^20 + u^16*x^19 + u^37*x^18 + u^18*x^17 + u^54*x^16 + u^8*x^14 + u^24*x^13 + u^12*x^12 + u^49*x^11 + u^38*x^10 + u^26*x^9 + u^37*x^8 + u^4*x^7 + u^25*x^6 + u*x^5 + u^11*x^4 + u^24*x^3 + u^31*x^2 + u^32*x,

u^31*x^60 + u^12*x^58 + u^61*x^57 + u^4*x^56 + u^55*x^54 + u^23*x^53 + u^37*x^52 + u^58*x^51 + u^55*x^50 + u^51*x^49 + u^51*x^48 + u^51*x^46 + u^46*x^45 + u^57*x^44 + u^45*x^43 + u^30*x^42 + u^61*x^41 + u^25*x^40 + u^52*x^39 + u^16*x^38 + u^44*x^37 + u^26*x^36 + u^57*x^35 + u^61*x^34 + u^11*x^33 + u^17*x^32 + u^16*x^30 + u^38*x^29 + u^61*x^28 + u^28*x^27 + u^53*x^26 + u^27*x^25 + u^24*x^24 + u^26*x^23 + u^30*x^22 + u^3*x^21 + u^15*x^20 + u^8*x^19 + u^41*x^18 + u^18*x^17 + u^4*x^16 + u^40*x^15 + u^30*x^14 + u^2*x^13 + u^43*x^12 + u^56*x^11 + u^59*x^10 + u^50*x^9 + u^39*x^8 + u^56*x^7 + u^40*x^6 + u^23*x^5 + u^33*x^4 + u^32*x^3 + u^60*x^2 + u^55*x,

u^25*x^36 + u^25*x^18 + u^38*x^12 + x^9 + u^25*x^5,

u^28*x^60 + u^9*x^58 + u^58*x^57 + u^57*x^56 + u^52*x^54 + u^20*x^53 + u^41*x^52 + u^55*x^51 + u^39*x^50 + u^12*x^49 + u^52*x^48 + u^48*x^46 + u^43*x^45 + u^6*x^44 + u^42*x^43 + u^53*x^42 + u^25*x^41 + u^52*x^40 + u^49*x^39 + u^47*x^38 + u^17*x^37 + u^62*x^36 + u^22*x^35 + u^61*x^34 + u^48*x^33 + u^14*x^32 + u^13*x^30 + u^35*x^29 + u^6*x^28 + u^25*x^27 + u^50*x^26 + u^44*x^25 + u^58*x^24 + u^23*x^23 + u^59*x^22 + u^23*x^21 + u^40*x^20 + u^30*x^19 + u^51*x^18 + u^4*x^17 + u^23*x^16 + u^37*x^15 + u^5*x^14 + u^42*x^13 + u^34*x^12 + u^12*x^11 + u^46*x^10 + u^25*x^9 + u^13*x^8 + u^10*x^7 + u^42*x^6 + u^11*x^5 + u^56*x^4 + u^58*x^3 + u^16*x^2 + u^43*x,

u^29*x^56 + u^54*x^52 + u^5*x^50 + u^60*x^49 + u^57*x^48 + u^60*x^44 + u^4*x^42 + u^40*x^41 + u^32*x^40 + u^19*x^38 + u^42*x^37 + u^8*x^36 + u^20*x^35 + u^7*x^34 + u^43*x^33 + u^18*x^32 + u^49*x^28 + u^40*x^26 + u^4*x^25 + u^56*x^24 + u^5*x^22 + u^54*x^21 + u^39*x^20 + u^29*x^19 + u^61*x^18 + u^51*x^17 + u^44*x^16 + u^22*x^14 + u^30*x^13 + u^2*x^12 + u^6*x^11 + u*x^10 + u^40*x^9 + u^37*x^8 + u^42*x^7 + u^29*x^6 + u^10*x^5 + u^2*x^4 + u^50*x^3 + u^9*x^2 + u^47*x,

u^36*x^56 + u^38*x^52 + u^24*x^50 + u^22*x^49 + u^6*x^48 + u^47*x^44 + u*x^42 + u^51*x^41 + u^35*x^40 + u^23*x^38 + u^17*x^37 + u^8*x^36 + u^34*x^35 + u^49*x^34 + u^42*x^33 + u^38*x^32 + u^3*x^28 + u^41*x^26 + u^56*x^25 + u^34*x^24 + u^50*x^22 + u^6*x^21 + u^60*x^20 + u^28*x^19 + u^21*x^18 + u^34*x^17 + u^37*x^16 + u^18*x^14 + u^44*x^13 + u^41*x^12 + u^2*x^11 + u^55*x^10 + u^23*x^9 + u^57*x^8 + u^27*x^7 + u^59*x^6 + u^44*x^5 + u^16*x^4 + u^52*x^3 + u^56*x^2 + u^40*x,

u^20*x^56 + u^40*x^52 + u^48*x^50 + u^20*x^49 + u^41*x^42 + u^58*x^41 + u^30*x^40 + u^51*x^38 + u^37*x^37 + u^45*x^36 + u^11*x^35 + u^28*x^34 + u^10*x^33 + u^15*x^32 + u^57*x^28 + u^45*x^26 + u^4*x^25 + u^35*x^24 + u^41*x^22 + u^21*x^21 + u^27*x^20 + u^17*x^19 + u^34*x^18 + u^41*x^17 + u^54*x^16 + u^50*x^14 + u^39*x^12 + u^57*x^11 + u^45*x^10 + u^40*x^9 + u^50*x^8 + u^18*x^7 + u^42*x^6 + u^14*x^5 + u^34*x^4 + u^32*x^3 + u^9*x^2 + u^18*x,

u^23*x^56 + u*x^52 + u^8*x^50 + u^42*x^49 + u^43*x^48 + u^51*x^44 + u^27*x^42 + u^22*x^41 + u^20*x^40 + u^2*x^38 + x^37 + u^49*x^36 + u^51*x^35 + u^22*x^34 + u^30*x^33 + u^34*x^32 + u^30*x^28 + u^6*x^26 + u^26*x^25 + u^44*x^24 + u^44*x^22 + u^4*x^21 + u^58*x^20 + u^46*x^19 + u^26*x^18 + u^51*x^17 + u^49*x^16 + u^32*x^14 + u^3*x^13 + u^60*x^12 + u^7*x^11 + u^33*x^10 + u^56*x^9 + u^46*x^8 + u^21*x^7 + u^60*x^5 + u^29*x^4 + u^13*x^3 + u^49*x^2 + u^30*x,

u^14*x^56 + u^7*x^52 + u^12*x^50 + u^37*x^49 + u^55*x^48 + u*x^44 + u^31*x^42 + u^19*x^41 + u^9*x^40 + u^35*x^38 + u^6*x^37 + u^54*x^36 + u^7*x^35 + u^41*x^34 + u^47*x^33 + u^29*x^32 + u^35*x^26 + u^3*x^25 + u^59*x^22 + u^20*x^21 + u^29*x^20 + u^42*x^19 + u^13*x^18 + u^52*x^17 + u^31*x^16 + u^14*x^14 + u^19*x^13 + u^18*x^12 + u^36*x^11 + u^58*x^10 + u^61*x^9 + u^33*x^8 + u^61*x^7 + u^34*x^6 + u^7*x^5 + u^8*x^4 + u^12*x^3 + u^36*x^2 + u^61*x,

u^58*x^56 + u^58*x^50 + u^42*x^49 + u^16*x^48 + u^43*x^44 + u^15*x^42 + u^37*x^41 + u^57*x^40 + u^42*x^38 + u^6*x^37 + x^36 + u^53*x^35 + u^26*x^34 + u^33*x^33 + u^36*x^32 + u^27*x^28 + u^41*x^26 + u^31*x^25 + u^10*x^24 + u^42*x^22 + u^47*x^20 + u^53*x^19 + u^55*x^18 + u^18*x^17 + u^47*x^14 + u^48*x^13 + u^41*x^12 + u^18*x^11 + u^32*x^10 + u^42*x^9 + u^47*x^8 + u^54*x^7 + u^2*x^5 + u^11*x^4 + u^50*x^3 + u^57*x^2 + u^8*x,

u^48*x^56 + u^55*x^52 + u^29*x^50 + u^37*x^49 + u^18*x^48 + u^41*x^44 + u^46*x^42 + u^52*x^41 + u^30*x^40 + u^41*x^38 + u^7*x^37 + u^25*x^36 + u^21*x^35 + u^27*x^34 + u*x^33 + u^36*x^32 + u^37*x^28 + u^53*x^26 + u^60*x^25 + u^5*x^24 + u^59*x^22 + u^18*x^21 + u^52*x^20 + u^4*x^19 + u^13*x^18 + u^37*x^17 + u^22*x^16 + u^5*x^14 + x^13 + u^6*x^12 + u^16*x^11 + u^3*x^10 + u^33*x^9 + u^50*x^8 + u^28*x^7 + u^7*x^6 + u^34*x^5 + u^36*x^4 + u^56*x^3 + u^18*x,

u^38*x^56 + u^8*x^52 + u^11*x^50 + u^31*x^49 + u^45*x^48 + u^47*x^44 + u^25*x^42 + u^47*x^41 + u^42*x^40 + u^43*x^38 + u^23*x^37 + u^60*x^36 + u^56*x^35 + u^54*x^34 + u^53*x^33 + u^27*x^32 + u^49*x^28 + u^37*x^26 + u^57*x^25 + u^20*x^24 + u^35*x^22 + u*x^21 + u^43*x^20 + u^37*x^19 + u^28*x^18 + u^41*x^17 + u^10*x^16 + u^45*x^14 + u^40*x^13 + u^59*x^12 + u^26*x^11 + u^4*x^10 + u^3*x^9 + u^8*x^8 + u^61*x^7 + u^55*x^6 + u^38*x^5 + u^36*x^4 + u^60*x^3 + u^50*x^2 + x,

u^33*x^56 + u^41*x^52 + u^57*x^50 + u^24*x^49 + u^11*x^48 + u^41*x^44 + u^60*x^42 + u^60*x^41 + u^18*x^40 + u^36*x^38 + u^15*x^37 + u^5*x^36 + u^34*x^35 + u^58*x^34 + u^8*x^33 + u*x^32 + u^49*x^28 + u^58*x^26 + u^7*x^25 + u^42*x^24 + u^22*x^22 + u^53*x^21 + u^13*x^20 + u^62*x^19 + u^32*x^18 + u^34*x^17 + u^30*x^16 + u^32*x^14 + u^20*x^13 + u^23*x^12 + u^12*x^11 + u^7*x^10 + u^8*x^9 + u^39*x^8 + u^23*x^7 + u^42*x^6 + u^54*x^5 + u^32*x^4 + u^57*x^3 + u^14*x^2 + u^26*x,

u^44*x^56 + u^46*x^52 + u^5*x^50 + u^38*x^49 + u^16*x^48 + u^28*x^44 + u^60*x^42 + u^24*x^41 + u^23*x^40 + u^26*x^38 + u^58*x^37 + u^40*x^36 + u^60*x^35 + u^7*x^34 + u^30*x^33 + u^52*x^32 + u^7*x^28 + u^47*x^26 + u^7*x^25 + u^57*x^24 + u^39*x^22 + u^21*x^21 + x^20 + u^55*x^19 + u^49*x^18 + u^58*x^17 + u^8*x^16 + u^37*x^14 + u^3*x^13 + u^45*x^12 + u^43*x^11 + u^28*x^10 + u^32*x^9 + u^42*x^8 + u^28*x^7 + u^24*x^6 + u^58*x^5 + u^59*x^4 + u^23*x^3 + u^56*x^2 + u^37*x
];

Function:

u^40*x^5 + u^10*x^6 + u^62*x^20 + u^35*x^33 + u^15*x^34 + u^29*x^48,

#EA-Classes: 91

Degrees: {* 2, 3^^63, 4^^27 *}

Representatives:

[
u^14*x^56 + u^45*x^52 + u^38*x^50 + u^40*x^49 + u^50*x^48 + u^55*x^44 + u^28*x^42 + u^27*x^41 + u^36*x^40 + u^20*x^38 + u^55*x^37 + u^32*x^36 + u^39*x^35 + u^4*x^34 + u^4*x^33 + u^27*x^32 + u^2*x^28 + u^8*x^26 + u^56*x^25 + u^49*x^24 + u^59*x^22 + u^36*x^21 + u^42*x^20 + u^32*x^19 + u^58*x^18 + u^21*x^17 + u^27*x^16 + u^20*x^14 + u^19*x^13 + u^26*x^12 + x^11 + u^61*x^10 + u^49*x^9 + u^22*x^8 + u^3*x^7 + u^36*x^6 + u^55*x^5 + u^38*x^4 + u^52*x^3 + u^40*x^2 + u^28*x,

u^7*x^56 + u^50*x^52 + u^49*x^50 + u^17*x^49 + u^58*x^48 + u^52*x^44 + u^24*x^42 + u^34*x^41 + u^23*x^40 + u^9*x^38 + u^11*x^37 + u^56*x^36 + u^24*x^35 + u^36*x^34 + u^17*x^33 + u^61*x^32 + u^15*x^28 + u^22*x^26 + u^9*x^25 + u^35*x^24 + u^57*x^22 + u^2*x^21 + u^3*x^20 + u^58*x^19 + u^28*x^18 + u^15*x^17 + u^51*x^16 + u^42*x^14 + u^60*x^13 + u^54*x^12 + u^30*x^11 + u^42*x^10 + u^39*x^9 + u^50*x^8 + u^14*x^7 + u^4*x^6 + u^46*x^5 + u*x^4 + u^3*x^3 + u^60*x^2 + u^45*x,

u^32*x^56 + u^53*x^52 + u^13*x^50 + u^18*x^49 + x^48 + u^10*x^44 + u^61*x^41 + u^49*x^40 + u^20*x^38 + u^31*x^37 + u^12*x^36 + u^7*x^35 + u^49*x^34 + u^24*x^33 + u^23*x^32 + u^55*x^28 + u^47*x^26 + u^48*x^25 + u^19*x^24 + u^32*x^22 + x^20 + u^5*x^19 + u^31*x^18 + u^39*x^17 + x^16 + u^13*x^14 + u^60*x^13 + u^22*x^12 + u^45*x^11 + u^45*x^10 + u^60*x^8 + u^8*x^7 + u^5*x^6 + x^5 + u^27*x^4 + u^47*x^3 + u^57*x^2 + u^39*x,

u^31*x^60 + u^12*x^58 + u^61*x^57 + u^55*x^54 + u^23*x^53 + u^17*x^52 + u^58*x^51 + u^59*x^50 + u^48*x^49 + u^4*x^48 + u^51*x^46 + u^46*x^45 + u^52*x^44 + u^45*x^43 + u^33*x^41 + u^13*x^40 + u^52*x^39 + u^27*x^37 + u^47*x^36 + u^36*x^35 + u^28*x^34 + u^28*x^33 + u^35*x^32 + u^16*x^30 + u^38*x^29 + u^58*x^28 + u^28*x^27 + u^38*x^26 + u^21*x^25 + u^51*x^24 + u^26*x^23 + u^58*x^22 + u^28*x^21 + u*x^20 + u^56*x^19 + u^55*x^17 + u^34*x^16 + u^40*x^15 + u^7*x^14 + u^29*x^13 + u^7*x^12 + u^52*x^11 + u^60*x^10 + u^20*x^9 + u^58*x^8 + u^36*x^7 + u^53*x^6 + u^6*x^5 + u^61*x^4 + u^53*x^3 + u^22*x^2 + u^24*x,

u^43*x^56 + u^39*x^52 + u^61*x^50 + u^41*x^49 + u^24*x^48 + u^43*x^44 + u^24*x^42 + u^27*x^41 + u^33*x^40 + u^26*x^38 + u^28*x^37 + u^53*x^36 + u^44*x^35 + u^29*x^34 + u^40*x^33 + u^60*x^32 + u^41*x^28 + u^22*x^26 + u^18*x^25 + u^26*x^24 + u^31*x^22 + u^34*x^21 + u^7*x^20 + u^2*x^19 + u^18*x^18 + u^26*x^17 + u^54*x^16 + u^29*x^14 + u^40*x^13 + u^62*x^12 + u^54*x^11 + u^39*x^10 + u^50*x^9 + u^57*x^8 + u^25*x^7 + u^35*x^6 + u^28*x^5 + u^53*x^4 + u^21*x^3 + u^38*x^2 + u^25*x,

u^40*x^56 + u^31*x^52 + u^29*x^50 + u^31*x^49 + u^59*x^48 + u^52*x^44 + u^28*x^42 + u^2*x^41 + u^40*x^40 + u^23*x^38 + u^6*x^37 + u^20*x^36 + u^33*x^35 + u^3*x^34 + u^57*x^33 + u^32*x^32 +

$u^{53}*x^{28} + u^{42}*x^{26} + u^{40}*x^{25} + u^{13}*x^{24} + u^{27}*x^{22} + x^{21} + u^{52}*x^{20} + u^{52}*x^{19} + u^{35}*x^{18} + u^{45}*x^{17} + u^{52}*x^{16} + u^{52}*x^{14} + u^{21}*x^{13} + u^{58}*x^{12} + u^{18}*x^{11} + u^{53}*x^{10} + u^{6}*x^{9} + u^{45}*x^{8} + u^{7}*x^{7} + u^{11}*x^{6} + u^{57}*x^{4} + u^{11}*x^{3} + u^{44}*x^{2} + u^{34}*x,$

$u^{34}*x^{60} + u^{15}*x^{58} + u*x^{57} + u^{45}*x^{56} + u^{58}*x^{54} + u^{26}*x^{53} + u^{42}*x^{52} + u^{61}*x^{51} + u^{43}*x^{50} + u^{24}*x^{49} + u^{13}*x^{48} + u^{54}*x^{46} + u^{49}*x^{45} + u^{4}*x^{44} + u^{48}*x^{43} + u^{31}*x^{42} + u^{43}*x^{41} + u^{61}*x^{40} + u^{55}*x^{39} + u^{52}*x^{38} + u^{7}*x^{37} + u^{32}*x^{36} + u^{60}*x^{35} + u^{17}*x^{34} + u^{60}*x^{33} + u^{46}*x^{32} + u^{19}*x^{30} + u^{41}*x^{29} + u^{40}*x^{28} + u^{31}*x^{27} + u^{9}*x^{26} + u^{40}*x^{25} + u^{53}*x^{24} + u^{29}*x^{23} + u^{32}*x^{22} + u^{61}*x^{21} + u^{39}*x^{20} + u^{33}*x^{19} + u^{42}*x^{18} + u^{57}*x^{17} + u^{43}*x^{16} + u^{43}*x^{15} + u^{33}*x^{14} + u^{56}*x^{13} + u^{19}*x^{12} + u^{50}*x^{11} + u^{47}*x^{10} + u^{45}*x^{9} + u^{7}*x^{8} + u^{60}*x^{7} + u^{23}*x^{6} + u^{13}*x^{5} + u^{10}*x^{4} + u^{19}*x^{3} + u^{14}*x^{2} + u^{29}*x,$

$u^{3}*x^{60} + u^{47}*x^{58} + u^{33}*x^{57} + u^{62}*x^{56} + u^{27}*x^{54} + u^{58}*x^{53} + u^{49}*x^{52} + u^{30}*x^{51} + u^{30}*x^{50} + u^{29}*x^{49} + u^{26}*x^{48} + u^{23}*x^{46} + u^{18}*x^{45} + u^{2}*x^{44} + u^{17}*x^{43} + u^{18}*x^{42} + u^{41}*x^{41} + u^{18}*x^{40} + u^{24}*x^{39} + u^{26}*x^{38} + u^{44}*x^{37} + u^{7}*x^{36} + u^{17}*x^{35} + u^{25}*x^{34} + u^{38}*x^{33} + u^{16}*x^{32} + u^{51}*x^{30} + u^{10}*x^{29} + x^{28} + x^{27} + u^{53}*x^{26} + u^{45}*x^{25} + u^{51}*x^{24} + u^{61}*x^{23} + u^{53}*x^{22} + u^{19}*x^{21} + u^{61}*x^{20} + u^{22}*x^{19} + u^{41}*x^{18} + u^{60}*x^{17} + u*x^{16} + u^{12}*x^{15} + u^{36}*x^{14} + u^{16}*x^{13} + u^{9}*x^{12} + u^{56}*x^{11} + u^{10}*x^{10} + u^{47}*x^{9} + u^{13}*x^{8} + u^{35}*x^{7} + u^{28}*x^{6} + u*x^{5} + u^{55}*x^{4} + u^{61}*x^{3} + u^{55}*x^{2} + u^{15}*x,$

$u^{12}*x^{60} + u^{56}*x^{58} + u^{42}*x^{57} + u^{2}*x^{56} + u^{36}*x^{54} + u^{4}*x^{53} + u^{46}*x^{52} + u^{39}*x^{51} + u*x^{50} + u^{49}*x^{49} + u^{17}*x^{48} + u^{32}*x^{46} + u^{27}*x^{45} + x^{44} + u^{26}*x^{43} + u^{20}*x^{42} + u^{21}*x^{41} + u^{6}*x^{40} + u^{33}*x^{39} + u^{14}*x^{38} + u^{35}*x^{37} + u^{3}*x^{36} + u^{35}*x^{35} + u^{12}*x^{34} + u^{59}*x^{33} + u^{57}*x^{32} + u^{60}*x^{30} + u^{19}*x^{29} + u^{5}*x^{28} + u^{9}*x^{27} + u^{36}*x^{26} + u^{3}*x^{25} + u^{9}*x^{24} + u^{7}*x^{23} + u^{47}*x^{22} + u^{36}*x^{21} + u^{22}*x^{20} + u^{29}*x^{19} + u^{8}*x^{18} + u^{14}*x^{17} + u^{34}*x^{16} + u^{21}*x^{15} + u^{47}*x^{14} + u^{59}*x^{13} + u^{54}*x^{12} + u^{45}*x^{11} + u^{30}*x^{10} + u^{49}*x^{9} + u^{36}*x^{8} + u^{29}*x^{7} + u^{25}*x^{6} + u^{38}*x^{5} + u^{43}*x^{4} + u^{45}*x^{3} + u^{3}*x^{2} + u^{8}*x,$

$u^{29}*x^{56} + u^{26}*x^{52} + u^{19}*x^{50} + u^{60}*x^{49} + u^{30}*x^{48} + u^{47}*x^{44} + u^{22}*x^{42} + u^{23}*x^{41} + u^{26}*x^{40} + u^{23}*x^{38} + u^{11}*x^{37} + u^{3}*x^{36} + u^{41}*x^{35} + u^{57}*x^{34} + u^{16}*x^{33} + u^{47}*x^{32} + u^{40}*x^{28} + u^{46}*x^{26} + u^{46}*x^{25} + u^{44}*x^{24} + u^{8}*x^{22} + u^{47}*x^{21} + u^{35}*x^{20} + u^{33}*x^{19} + u^{12}*x^{18} + u^{50}*x^{17} + u^{55}*x^{16} + u^{10}*x^{14} + u^{4}*x^{13} + u^{56}*x^{12} + u^{18}*x^{11} + u^{2}*x^{10} + u^{38}*x^{9} + u^{3}*x^{8} + u^{56}*x^{7} + u*x^{6} + u^{8}*x^{5} + u^{22}*x^{4} + u^{26}*x^{3} + u^{38}*x^{2} + u*x,$

$u^{8}*x^{56} + u^{49}*x^{52} + u^{21}*x^{50} + u^{50}*x^{49} + u^{11}*x^{48} + u^{58}*x^{44} + u^{6}*x^{42} + u^{31}*x^{41} + u^{19}*x^{40} + u^{22}*x^{38} + u^{49}*x^{37} + u^{21}*x^{36} + u^{41}*x^{35} + u^{52}*x^{34} + u^{3}*x^{33} + u^{52}*x^{32} + u^{15}*x^{28} + u^{30}*x^{26} + u^{8}*x^{25} + u^{10}*x^{24} + u^{28}*x^{22} + u^{25}*x^{21} + u^{57}*x^{20} + x^{19} + u^{55}*x^{18} + u^{54}*x^{17} + u^{8}*x^{16} + u^{15}*x^{14} + u^{47}*x^{13} + u^{21}*x^{12} + u^{62}*x^{11} + u*x^{10} + u^{9}*x^{9} + u^{16}*x^{8} + x^{7} + u^{15}*x^{5} + u^{33}*x^{4} + u^{3}*x^{3} + u^{38}*x^{2} + u^{50}*x,$

$u^{36}*x^{56} + u^{53}*x^{52} + u^{43}*x^{50} + u^{44}*x^{49} + u^{55}*x^{48} + u^{22}*x^{44} + u^{41}*x^{42} + u^{36}*x^{41} + u^{57}*x^{40} + u^{52}*x^{38} + u^{54}*x^{37} + u^{37}*x^{36} + u^{62}*x^{35} + u^{47}*x^{34} + u^{3}*x^{33} + u^{24}*x^{32} + u^{17}*x^{28} + u^{54}*x^{26} + u^{52}*x^{25} + u^{20}*x^{24} + u*x^{22} + u^{40}*x^{21} + u^{52}*x^{20} + u^{6}*x^{19} + u^{46}*x^{18} + u^{56}*x^{17} + u^{45}*x^{16} + u^{25}*x^{14} + u^{44}*x^{13} + u^{10}*x^{12} + u^{47}*x^{11} + u^{60}*x^{10} + u^{21}*x^{8} + u^{48}*x^{7} + u^{9}*x^{6} + x^{4} + u^{42}*x^{3} + u^{61}*x^{2} + u^{11}*x,$

$u^{54}*x^{56} + u^{37}*x^{52} + u^{22}*x^{50} + u^{7}*x^{49} + u^{35}*x^{48} + u^{43}*x^{44} + u^{4}*x^{42} + u^{23}*x^{41} + u^{46}*x^{40} + u^{21}*x^{38} + u^{58}*x^{37} + u^{62}*x^{36} + u^{10}*x^{35} + u^{27}*x^{33} + u^{45}*x^{32} + u^{8}*x^{28} + u^{36}*x^{26} + u^{55}*x^{25} + u^{9}*x^{24} + u^{12}*x^{22} + u*x^{21} + u^{7}*x^{20} + u^{55}*x^{19} + u^{5}*x^{18} + u^{9}*x^{17} + u^{32}*x^{16} + u^{6}*x^{14} + u^{22}*x^{13} + u^{5}*x^{12} + u^{35}*x^{11} + u^{40}*x^{10} + u^{50}*x^{9} + u^{25}*x^{8} + u^{48}*x^{7} + u^{36}*x^{6} + u^{3}*x^{5} + u^{61}*x^{4} + u^{60}*x^{3} + u^{21}*x^{2} + u^{23}*x,$

$u^{57}*x^{56} + u^{19}*x^{52} + u^{31}*x^{50} + u^{55}*x^{49} + u^{29}*x^{44} + u^{14}*x^{42} + u^{40}*x^{41} + u^{32}*x^{40} + u^{46}*x^{38} + u^{16}*x^{37} + u^{61}*x^{36} + u^{58}*x^{35} + u^{56}*x^{34} + u^{13}*x^{33} + u^{33}*x^{32} + u^{2}*x^{28} + u^{46}*x^{26} + u^{22}*x^{25} + u^{58}*x^{24} + u^{22}*x^{22} + u^{58}*x^{21} + u^{45}*x^{20} + x^{19} + u^{29}*x^{18} + u^{15}*x^{17} + u^{21}*x^{16} + u^{56}*x^{14} + u^{47}*x^{13} + u^{21}*x^{12} + u^{29}*x^{11} + u^{49}*x^{10} + u^{52}*x^{9} + u^{33}*x^{8} + u^{50}*x^{7} + u^{46}*x^{6} + x^{5} + u*x^{4} + u^{62}*x^{3} + u^{37}*x^{2} + u^{31}*x,$

$u^{12}*x^{52} + u^{32}*x^{50} + u^{8}*x^{49} + u^{25}*x^{48} + x^{44} + u^{49}*x^{42} + u^{50}*x^{41} + u^{26}*x^{40} + u^{52}*x^{38} + u^{5}*x^{37} + u^{57}*x^{36} + u^{37}*x^{35} + u^{38}*x^{34} + u^{26}*x^{33} + u^{26}*x^{32} + u^{15}*x^{28} + u^{28}*x^{26} + u^{44}*x^{25} + u^{35}*x^{24} + u^{6}*x^{22} + u^{48}*x^{21} + u^{57}*x^{20} + u^{17}*x^{19} + u^{39}*x^{18} + u^{62}*x^{17} + u^{50}*x^{16} + u^{60}*x^{14} + u^{32}*x^{13} + u^{45}*x^{12} + u^{38}*x^{11} + u^{13}*x^{10} + u^{52}*x^{9} + u^{24}*x^{8} + u^{7}*x^{7} + u^{35}*x^{6} + u^{31}*x^{5} + u^{54}*x^{4} + u^{33}*x^{3} + u^{25}*x^{2} + u^{41}*x,$

$u^{58}*x^{60} + u^{39}*x^{58} + u^{25}*x^{57} + u^{47}*x^{56} + u^{19}*x^{54} + u^{50}*x^{53} + u^{59}*x^{52} + u^{22}*x^{51} + u^{42}*x^{50} + u^{60}*x^{49} + u^{8}*x^{48} + u^{15}*x^{46} + u^{10}*x^{45} + u^{48}*x^{44} + u^{9}*x^{43} + u^{6}*x^{42} + u^{4}*x^{41} + u^{7}*x^{40} + u^{16}*x^{39} + u^{55}*x^{38} + u^{62}*x^{37} + u^{28}*x^{36} + u^{14}*x^{35} + u^{52}*x^{34} + u^{61}*x^{33} + u^{17}*x^{32} + u^{43}*x^{30} + u^{2}*x^{29} + u^{60}*x^{28} + u^{55}*x^{27} + u^{32}*x^{26} + u^{55}*x^{25} + u^{41}*x^{24} + u^{53}*x^{23} + u^{45}*x^{22} + u^{39}*x^{21} + u^{27}*x^{20} + u^{18}*x^{19} + u^{53}*x^{18} + u^{54}*x^{17} + u^{22}*x^{16} + u^{4}*x^{15} + u^{9}*x^{14} + u^{21}*x^{13} + u^{30}*x^{12} + u^{3}*x^{11} + u^{42}*x^{10} + u^{7}*x^{9} + u^{60}*x^{8} + u^{8}*x^{7} + u^{55}*x^{6} + u^{26}*x^{5} + u^{42}*x^{4} + u^{48}*x^{3} + u^{16}*x^{2} + u^{8}*x,$

$u^{48}*x^{56} + u^{17}*x^{52} + u^{4}*x^{50} + u^{55}*x^{49} + u^{11}*x^{48} + u^{54}*x^{44} + u^{43}*x^{42} + u^{27}*x^{41} + u^{19}*x^{40} + u^{61}*x^{38} + u^{48}*x^{37} + u^{54}*x^{36} + u^{31}*x^{35} + u^{57}*x^{34} + u^{62}*x^{33} + u^{9}*x^{32} + u^{5}*x^{28} + u^{33}*x^{26} + u^{4}*x^{25} + u^{56}*x^{24} + u^{38}*x^{22} + u^{15}*x^{21} + u^{47}*x^{20} + u^{51}*x^{19} + x^{18} + u^{10}*x^{17} + u^{11}*x^{16} + u*x^{14} + u^{23}*x^{13} + u^{51}*x^{12} + u^{14}*x^{11} + u^{51}*x^{10} + u^{46}*x^{9} + u^{11}*x^{8} + u^{11}*x^{7} + u^{52}*x^{6} + u^{20}*x^{5} + u^{12}*x^{4} + u^{47}*x^{3} + x^{2} + u^{25}*x,$

$u^{11}*x^{56} + u^{13}*x^{52} + u^{50}*x^{50} + u^{21}*x^{49} + u^{47}*x^{48} + u^{20}*x^{44} + u^{37}*x^{42} + u^{27}*x^{41} + u^{39}*x^{40} + u^{15}*x^{38} + u^{32}*x^{37} + u^{30}*x^{36} + u^{35}*x^{35} + u^{24}*x^{34} + u^{53}*x^{33} + u^{11}*x^{32} + u^{61}*x^{28} + u^{13}*x^{26} + u^{39}*x^{25} + u^{45}*x^{24} + u^{27}*x^{22} + u^{10}*x^{21} + u^{39}*x^{20} + u^{53}*x^{19} + u^{11}*x^{18} + x^{16} + u^{55}*x^{14} + u^{16}*x^{13} + u^{56}*x^{12} + u^{26}*x^{11} + u^{13}*x^{10} + u^{18}*x^{9} + u^{28}*x^{8} + u^{62}*x^{7} + u^{11}*x^{5} + u^{52}*x^{4} + u^{59}*x^{3} + u^{34}*x^{2} + u^{26}*x,$

$u^{29}*x^{48} + u^{15}*x^{34} + u^{35}*x^{33} + u^{62}*x^{20} + u^{10}*x^{6} + u^{40}*x^{5},$

$u^{53}*x^{60} + u^{34}*x^{58} + u^{20}*x^{57} + u^{4}*x^{56} + u^{14}*x^{54} + u^{45}*x^{53} + u^{18}*x^{52} + u^{17}*x^{51} + u^{15}*x^{50} + u^{24}*x^{49} + u^{28}*x^{48} + u^{10}*x^{46} + u^{5}*x^{45} + u^{27}*x^{44} + u^{4}*x^{43} + x^{42} + u^{56}*x^{41} + u^{7}*x^{40} + u^{11}*x^{39} + u^{6}*x^{38} + u^{27}*x^{37} + u^{9}*x^{36} + u^{24}*x^{35} + u^{61}*x^{34} + u^{4}*x^{33} + u^{20}*x^{32} + u^{38}*x^{30} + u^{60}*x^{29} + u^{28}*x^{28} + u^{50}*x^{27} + u^{40}*x^{26} + u^{17}*x^{25} + u^{14}*x^{24} + u^{48}*x^{23} + u^{50}*x^{22} + u^{36}*x^{21} + u^{7}*x^{20} + u^{51}*x^{19} + u^{12}*x^{18} + u^{60}*x^{17} + u^{32}*x^{16} + u^{62}*x^{15} + u^{43}*x^{14} + u^{61}*x^{13} + u^{29}*x^{12} + u^{44}*x^{11} + u^{39}*x^{10} + u^{11}*x^{9} + u^{25}*x^{8} + u^{20}*x^{7} + u^{2}*x^{6} + u^{50}*x^{5} + u^{52}*x^{4} + u^{2}*x^{3} + u^{41}*x^{2} + u^{13}*x,$

$u^{8}*x^{56} + u^{49}*x^{52} + u^{47}*x^{50} + u^{37}*x^{49} + u^{52}*x^{48} + u^{25}*x^{44} + u^{34}*x^{42} + u^{41}*x^{41} + u^{51}*x^{40} + u^{7}*x^{38} + u^{5}*x^{37} + u^{61}*x^{36} + u^{61}*x^{35} + u^{17}*x^{34} + u^{59}*x^{33} + u^{18}*x^{32} + u^{23}*x^{28} + u^{10}*x^{26} + u^{41}*x^{25} + u^{4}*x^{24} + u^{31}*x^{22} + u^{35}*x^{21} + u^{23}*x^{20} + u^{29}*x^{19} + u^{50}*x^{18} + u^{8}*x^{17} + u^{45}*x^{16} + u^{54}*x^{14} + u^{39}*x^{13} + u^{21}*x^{12} + u^{41}*x^{11} + u^{28}*x^{10} + u^{29}*x^{9} + u^{56}*x^{7} + u^{6}*x^{6} + u^{24}*x^{5} + u^{3}*x^{4} + u^{17}*x^{3} + u^{43}*x^{2} + u^{13}*x,$

$u^{53}*x^{60} + u^{34}*x^{58} + u^{20}*x^{57} + u^{45}*x^{56} + u^{14}*x^{54} + u^{45}*x^{53} + u^{27}*x^{52} + u^{17}*x^{51} + u^{29}*x^{50} + u^{40}*x^{49} + u*x^{48} + u^{10}*x^{46} + u^{5}*x^{45} + u^{60}*x^{44} + u^{4}*x^{43} + u^{48}*x^{42} + u^{59}*x^{41} + u^{37}*x^{40} + u^{11}*x^{39} + u^{41}*x^{38} + u^{53}*x^{37} + u^{6}*x^{36} + u^{49}*x^{35} + u^{41}*x^{34} + u^{47}*x^{33} + u^{22}*x^{32} + u^{38}*x^{30} + u^{60}*x^{29} + u^{18}*x^{28} + u^{50}*x^{27} + u^{38}*x^{26} + u^{40}*x^{25} + u^{57}*x^{24} + u^{48}*x^{23} + u^{40}*x^{22} + u^{2}*x^{21} + u^{34}*x^{20} + u^{47}*x^{19} + u^{24}*x^{18} + u^{7}*x^{17} + u^{14}*x^{16} + u^{62}*x^{15} + u^{16}*x^{14} + u^{49}*x^{13} + u^{17}*x^{12} + u^{9}*x^{11} + u^{56}*x^{10} + u^{27}*x^{9} + u^{8}*x^{8} + u^{21}*x^{7} + u^{48}*x^{6} + u^{9}*x^{5} + u^{46}*x^{4} + u^{16}*x^{3} + u^{44}*x^{2} + u*x,$

$u^{4}*x^{56} + u^{41}*x^{52} + u^{7}*x^{50} + u^{16}*x^{49} + u^{47}*x^{48} + u^{9}*x^{44} + u^{29}*x^{42} + u^{35}*x^{41} + u^{61}*x^{40} + u^{59}*x^{38} + u^{4}*x^{37} + u^{30}*x^{36} + u^{43}*x^{35} + u^{25}*x^{33} + u^{47}*x^{32} + u^{52}*x^{28} + u^{22}*x^{26} + u^{37}*x^{25} + x^{24} + u^{5}*x^{22} + u^{11}*x^{21} + u^{31}*x^{20} + u^{2}*x^{19} + u^{22}*x^{18} + u^{58}*x^{17} + u^{35}*x^{16} + u^{25}*x^{14} + u^{18}*x^{13} + u^{48}*x^{12} + u^{39}*x^{11} + u^{22}*x^{10} + x^{9} + u^{20}*x^{8} + u^{44}*x^{7} + u^{37}*x^{6} + u^{20}*x^{5} + u^{21}*x^{4} + u^{32}*x^{3} + u^{40}*x^{2} + u^{3}*x,$

$u^{38}*x^{60} + u^{19}*x^{58} + u^{5}*x^{57} + u^{10}*x^{56} + u^{62}*x^{54} + u^{30}*x^{53} + u^{33}*x^{52} + u^{2}*x^{51} + u^{11}*x^{50} + u^{9}*x^{49} + u^{53}*x^{48} + u^{58}*x^{46} + u^{53}*x^{45} + u^{57}*x^{44} + u^{52}*x^{43} + x^{42} + u^{25}*x^{41} + u^{21}*x^{40} + u^{59}*x^{39} + u^{24}*x^{38} + u^{31}*x^{37} + u^{41}*x^{36} + u^{22}*x^{35} + u^{17}*x^{34} + u^{20}*x^{33} + u^{58}*x^{32} + u^{23}*x^{30} + u^{45}*x^{29} + u^{25}*x^{28} + u^{35}*x^{27} + u^{62}*x^{26} + u^{29}*x^{25} + u^{58}*x^{24} + u^{33}*x^{23} + u^{42}*x^{22} + u^{3}*x^{21} + u^{4}*x^{20} + u^{41}*x^{19} + u^{55}*x^{18} + u^{2}*x^{17} + u^{3}*x^{16} + u^{47}*x^{15} + u^{32}*x^{13} + u^{59}*x^{12} + u^{57}*x^{11} + u^{11}*x^{10} + u^{25}*x^{9} + u^{30}*x^{8} + u^{25}*x^{7} + u^{2}*x^{6} + u^{58}*x^{4} + u^{16}*x^{3} + u^{2}*x^{2} + u^{50}*x,$

$u*x^{56} + u^{37}*x^{52} + u^{27}*x^{50} + u^{30}*x^{49} + u^{10}*x^{48} + u^{35}*x^{44} + u^{47}*x^{42} + u^{33}*x^{41} + u^{34}*x^{40} + u^{7}*x^{38} + u^{59}*x^{37} + u^{19}*x^{36} + u^{53}*x^{35} + x^{34} + u^{7}*x^{33} + u^{23}*x^{32} + u^{54}*x^{28} + u^{20}*x^{26} + u^{2}*x^{25} + u^{52}*x^{24} + u^{7}*x^{22} + u^{2}*x^{21} + u^{36}*x^{20} + u^{26}*x^{19} + u^{14}*x^{18} + u^{47}*x^{17} + u^{19}*x^{16} + u^{29}*x^{14} + u^{42}*x^{13} + u^{10}*x^{12} + u^{42}*x^{11} + u^{26}*x^{10} + u^{8}*x^{9} + u^{45}*x^{8} + u^{29}*x^{7} + u^{30}*x^{6} + u^{21}*x^{5} + u^{27}*x^{4} + u^{9}*x^{3} + u^{52}*x^{2} + u^{5}*x,$

$u^{29}*x^{60} + u^{10}*x^{58} + u^{59}*x^{57} + u^{4}*x^{56} + u^{53}*x^{54} + u^{21}*x^{53} + u^{58}*x^{52} + u^{56}*x^{51} + u^{55}*x^{50} + u^{12}*x^{49} + u^{4}*x^{48} + u^{49}*x^{46} + u^{44}*x^{45} + u^{61}*x^{44} + u^{43}*x^{43} + u^{51}*x^{42} + u^{58}*x^{41} + u^{4}*x^{40} + u^{50}*x^{39} + u^{42}*x^{38} + u^{56}*x^{37} + u^{6}*x^{36} + u^{24}*x^{35} + u^{29}*x^{34} + u^{14}*x^{33} + u^{59}*x^{32} + u^{14}*x^{30} + u^{36}*x^{29} + u^{46}*x^{28} + u^{26}*x^{27} + u^{19}*x^{26} + u^{22}*x^{25} + u^{33}*x^{24} + u^{24}*x^{23} + u^{48}*x^{22} + u^{36}*x^{21} + u^{7}*x^{20} + u^{53}*x^{19} + u^{9}*x^{18} + u^{47}*x^{17} + u^{5}*x^{16} + u^{38}*x^{15} + u^{36}*x^{14} + u*x^{13} + u*x^{12} + u^{17}*x^{11} + u^{58}*x^{10} + u^{15}*x^{9} + u^{59}*x^{8} + u^{4}*x^{7} + u^{14}*x^{6} + u^{20}*x^{5} + u*x^{4} + u^{58}*x^{3} + u^{32}*x^{2} + u^{25}*x,$

$u^{5}*x^{56} + u^{37}*x^{52} + u^{60}*x^{50} + u^{20}*x^{49} + u^{39}*x^{48} + u^{41}*x^{44} + u^{58}*x^{42} + u^{52}*x^{41} + u^{28}*x^{38} + u^{48}*x^{37} + u^{28}*x^{36} + u^{5}*x^{35} + u^{49}*x^{34} + u^{16}*x^{33} + u^{13}*x^{32} + u^{44}*x^{28} + u^{48}*x^{26} + u^{46}*x^{25} + u^{54}*x^{24} + u^{30}*x^{22} + u^{57}*x^{21} + u^{59}*x^{20} + u^{21}*x^{19} + u^{21}*x^{18} + u^{16}*x^{17} + x^{16} + u^{53}*x^{14} + u^{50}*x^{13} + u^{37}*x^{12} + u^{55}*x^{11} + u^{44}*x^{10} + u^{61}*x^{9} + u^{12}*x^{8} + u^{38}*x^{7} + u^{35}*x^{6} + u^{5}*x^{5} + u^{17}*x^{4} + u^{4}*x^{3} + u^{60}*x^{2} + u^{56}*x,$

$u^{60}*x^{56} + u^{34}*x^{52} + u^{62}*x^{50} + u^{40}*x^{49} + u^{33}*x^{48} + u^{38}*x^{44} + u^{36}*x^{42} + u^{37}*x^{41} + u^{42}*x^{40} + u^{60}*x^{38} + u^{55}*x^{37} + x^{36} + u^{44}*x^{34} + u^{16}*x^{33} + u^{29}*x^{32} + u^{2}*x^{28} + u^{4}*x^{26} + u^{4}*x^{25} + u^{22}*x^{24} + u^{12}*x^{22} + u^{27}*x^{21} + u^{4}*x^{20} + u^{25}*x^{19} + u^{57}*x^{18} + u^{33}*x^{17} + u^{46}*x^{16} + u^{44}*x^{14} + u^{60}*x^{13} + u^{2}*x^{12} + u^{25}*x^{11} + u^{32}*x^{10} + u^{56}*x^{9} + u^{58}*x^{8} + u^{38}*x^{7} + u^{62}*x^{6} + u^{8}*x^{4} + u^{42}*x^{3} + u^{49}*x^{2} + u^{51}*x,$

$u^{47}*x^{56} + u^{37}*x^{52} + u^{12}*x^{50} + u^{62}*x^{49} + u^{48}*x^{48} + u^{4}*x^{44} + u^{33}*x^{42} + u^{3}*x^{41} + u^{22}*x^{40} + u^{42}*x^{38} + u^{5}*x^{36} + u^{61}*x^{35} + u^{15}*x^{34} + u^{28}*x^{33} + u^{47}*x^{32} + u^{33}*x^{28} + u^{2}*x^{26} + u^{15}*x^{25} + u^{20}*x^{24} + u^{42}*x^{22} + u^{13}*x^{21} + u^{55}*x^{20} + u^{33}*x^{19} + u^{9}*x^{18} + u^{47}*x^{17} + u^{7}*x^{17} + u^{34}*x^{16} + u^{58}*x^{14} + u^{62}*x^{13} + u^{6}*x^{12} + u^{43}*x^{11} + u^{2}*x^{10} + u^{22}*x^{9} + u^{28}*x^{8} + u^{13}*x^{7} + u^{37}*x^{6} + u^{24}*x^{5} + u^{56}*x^{4} + u^{53}*x^{3} + u^{22}*x^{2} + u^{12}*x,$

$u^{42}*x^{56} + u^{59}*x^{52} + u^{29}*x^{50} + u^{52}*x^{49} + u^{58}*x^{48} + u^{5}*x^{44} + u^{52}*x^{42} + u^{18}*x^{41} + u^{20}*x^{40} + u^{28}*x^{38} + u^{35}*x^{37} + u^{6}*x^{36} + u^{39}*x^{35} + u^{33}*x^{34} + u^{28}*x^{33} + u^{52}*x^{32} + u^{2}*x^{28} + u^{36}*x^{26} + u^{33}*x^{25} + u^{3}*x^{24} + u^{37}*x^{22} + u^{34}*x^{21} + u^{52}*x^{20} + u^{46}*x^{19} + u^{32}*x^{18} + u^{22}*x^{17} + u^{19}*x^{16} + u^{26}*x^{14} + u^{10}*x^{13} + u^{38}*x^{12} + u^{31}*x^{11} + u^{41}*x^{10} + u^{14}*x^{9} + u^{60}*x^{8} + u^{56}*x^{7} + u^{9}*x^{6} + u^{55}*x^{5} + u^{23}*x^{4} + u^{21}*x^{3} + u^{2}*x^{2} + u^{51}*x,$

$u^{50}*x^{56} + u^{40}*x^{52} + u^{20}*x^{50} + u^{3}*x^{49} + u^{39}*x^{48} + u^{43}*x^{44} + u^{42}*x^{42} + x^{41} + u^{39}*x^{40} + u^{26}*x^{38} + u^{25}*x^{37} + u^{2}*x^{36} + u^{52}*x^{35} + u^{6}*x^{34} + u^{16}*x^{33} + u^{14}*x^{32} + u^{10}*x^{28} + u^{57}*x^{26} + u^{26}*x^{25} + u^{45}*x^{24} + u^{18}*x^{22} + u^{45}*x^{21} + u^{21}*x^{20} + u^{11}*x^{19} + u^{27}*x^{18} + u^{30}*x^{17} + u^{16}*x^{16} + u^{45}*x^{14} + u^{33}*x^{13} + u^{19}*x^{12} + u^{37}*x^{11} + u^{55}*x^{10} + u^{30}*x^{9} + u^{24}*x^{8} + u^{21}*x^{7} + u^{42}*x^{6} + u^{22}*x^{5} + u^{3}*x^{4} + u^{49}*x^{3} + u^{35}*x^{2} + u^{13}*x,$

u^29*x^60 + u^10*x^58 + u^59*x^57 + u^8*x^56 + u^53*x^54 + u^21*x^53 + u^57*x^52 + u^56*x^51 + u^35*x^50 + u^40*x^49 + u^25*x^48 + u^49*x^46 + u^44*x^45 + u*x^44 + u^43*x^43 + u^29*x^42 + u^7*x^41 + u^44*x^40 + u^50*x^39 + u^8*x^38 + u^34*x^37 + u^2*x^36 + u^21*x^35 + u^17*x^34 + u^20*x^33 + u^60*x^32 + u^14*x^30 + u^36*x^29 + u^60*x^28 + u^26*x^27 + u^13*x^26 + u^61*x^25 + u^32*x^24 + u^24*x^23 + u^42*x^22 + u^46*x^21 + u^9*x^20 + u^50*x^19 + u^60*x^18 + u^41*x^17 + u^9*x^16 + u^38*x^15 + u^55*x^14 + u^47*x^13 + u^55*x^12 + u^30*x^11 + x^10 + u^32*x^9 + u^30*x^8 + u^21*x^7 + u^40*x^6 + u^5*x^5 + u^42*x^4 + u^40*x^3 + u^11*x^2 + u^21*x,

u^30*x^56 + u^39*x^52 + u^2*x^50 + u^58*x^49 + u^34*x^48 + u^44*x^44 + u^4*x^42 + u^56*x^41 + u^10*x^40 + u^12*x^38 + u^6*x^37 + u^30*x^36 + u^35*x^35 + u^33*x^34 + u^17*x^33 + u^31*x^32 + u^9*x^28 + u^51*x^26 + x^25 + u^13*x^24 + u^62*x^22 + u^27*x^21 + u^52*x^20 + u^31*x^19 + u^52*x^18 + u^60*x^17 + u^10*x^16 + u^50*x^14 + u^38*x^13 + u^55*x^12 + u^30*x^11 + u^62*x^10 + u^6*x^9 + u^3*x^8 + u^7*x^4 + u^34*x^6 + u^28*x^5 + u^39*x^4 + u^5*x^3 + u^2*x^2 + u^46*x,

u^26*x^60 + u^7*x^58 + u^56*x^57 + u^23*x^56 + u^50*x^54 + u^18*x^53 + u^4*x^52 + u^53*x^51 + u^3*x^50 + u^31*x^49 + u^38*x^48 + u^46*x^46 + u^41*x^45 + u^41*x^44 + u^40*x^43 + u^26*x^42 + u^17*x^41 + u^13*x^40 + u^47*x^39 + u^15*x^38 + u^12*x^37 + u^18*x^36 + u^40*x^35 + u^43*x^34 + u^7*x^33 + u^30*x^32 + u^11*x^30 + u^33*x^29 + u^36*x^28 + u^23*x^27 + u^48*x^26 + u^45*x^25 + u^50*x^24 + u^21*x^23 + u^18*x^22 + u^35*x^21 + u^57*x^20 + u^2*x^19 + u^57*x^18 + u^50*x^17 + u^31*x^16 + u^35*x^15 + u^30*x^14 + u^43*x^13 + u^26*x^12 + u^45*x^11 + u^29*x^10 + u^19*x^9 + u^30*x^8 + u^43*x^7 + u^14*x^6 + u^52*x^5 + u^54*x^4 + u^39*x^3 + u^8*x^2 + u^51*x,

u^26*x^56 + u^20*x^52 + u^60*x^50 + u^33*x^49 + u^7*x^48 + u^22*x^44 + u^47*x^42 + u^11*x^41 + u^41*x^40 + u^34*x^38 + u^41*x^37 + u^8*x^36 + u^4*x^35 + u^47*x^34 + x^33 + u^18*x^32 + u^39*x^28 + u^42*x^26 + u^22*x^25 + u^44*x^24 + u^9*x^22 + u^48*x^21 + u^24*x^20 + u^49*x^19 + u^45*x^18 + u^25*x^17 + u^41*x^16 + u^42*x^14 + u^9*x^13 + u^15*x^12 + u^25*x^11 + u^57*x^10 + u^24*x^9 + u^20*x^8 + u^50*x^7 + u^29*x^6 + u^40*x^5 + u^34*x^4 + u^28*x^3 + u^16*x^2 + u^32*x,

u^50*x^56 + u^61*x^52 + u^61*x^50 + u*x^49 + u^58*x^48 + u^40*x^44 + x^42 + u^31*x^41 + u^34*x^40 + u^54*x^38 + u^5*x^37 + u^51*x^36 + u*x^35 + u^37*x^34 + u^5*x^33 + u^25*x^32 + u^24*x^28 + u^18*x^26 + u^10*x^25 + u^47*x^24 + u^16*x^22 + u^62*x^21 + u*x^20 + u^13*x^19 + u^54*x^18 + u^37*x^17 + u^34*x^16 + u^23*x^14 + u^20*x^13 + u^25*x^12 + u^53*x^11 + u^47*x^10 + u^57*x^9 + u^3*x^8 + u^6*x^7 + u^55*x^6 + u^61*x^5 + u^14*x^4 + u^22*x^3 + u^27*x^2 + u^35*x,

u^37*x^56 + u^57*x^52 + u^56*x^50 + u^5*x^49 + u^22*x^48 + u^41*x^44 + u^19*x^42 + u^50*x^41 + u^22*x^40 + u^35*x^38 + u^9*x^37 + u^36*x^36 + u^19*x^35 + u^3*x^34 + x^33 + x^32 + u^38*x^28 + u^44*x^26 + u^11*x^25 + u^41*x^24 + u^7*x^22 + u^30*x^21 + u^59*x^20 + u^33*x^19 + u^46*x^18 + u^25*x^17 + u^35*x^16 + u^11*x^14 + u^37*x^13 + u^58*x^12 + u^44*x^11 + u^55*x^10 + u^19*x^9 + u^31*x^8 + u^43*x^7 + u^52*x^6 + u^17*x^3 + u^35*x^2 + u^51*x,

u^4*x^56 + u^42*x^52 + u^34*x^50 + u^37*x^49 + u^45*x^48 + u^23*x^44 + u^17*x^42 + u^29*x^41 + u^8*x^40 + u^48*x^38 + u^55*x^36 + u^46*x^35 + u^47*x^34 + u^38*x^33 + u^23*x^32 + u^55*x^28 + u^17*x^26 + u^49*x^25 + u^16*x^24 + u^57*x^22 + u^30*x^21 + u^41*x^20 + u^2*x^19 + u^20*x^18 + u^7*x^17 + u^32*x^16 + u^10*x^14 + u^55*x^13 + u^14*x^12 + u^32*x^11 + u^35*x^10 + u^59*x^9 + u^51*x^8 + u^21*x^7 + u^58*x^6 + u^43*x^5 + u^55*x^4 + u^49*x^3 + u^59*x^2 + u^2*x,

u^6*x^56 + u^29*x^52 + u^9*x^50 + u^31*x^49 + u^19*x^48 + u^29*x^42 + u^17*x^41 + u^18*x^40 + u^25*x^38 + u^48*x^37 + u^48*x^36 + u^5*x^35 + u^5*x^34 + x^33 + u^2*x^32 + u^14*x^28 + u^37*x^26 + u^59*x^25 + u^38*x^24 + u^19*x^22 + u^24*x^21 + u^20*x^20 + u^62*x^19 + u^48*x^18 + u^29*x^17 + u^7*x^16 + u^16*x^14 + u^47*x^13 + u^12*x^12 + u^15*x^11 + u^7*x^10 + u^25*x^9 + u^9*x^8 + u^61*x^7 + u^4*x^6 + u^60*x^5 + u^35*x^4 + u^21*x^3 + u^18*x^2 + u^48*x,

u^21*x^56 + u^51*x^52 + u^25*x^50 + u^42*x^49 + u*x^48 + u^3*x^44 + u^2*x^42 + u^37*x^41 + u^5*x^40 + u^16*x^38 + u^36*x^37 + u^59*x^36 + u^51*x^35 + u^18*x^34 + u^25*x^33 + u^51*x^32 + u^53*x^28 + u^3*x^26 + u^28*x^25 + u^35*x^24 + u^10*x^22 + u^17*x^21 + u^4*x^20 + u^54*x^19 + u*x^18 + u^12*x^17 + u^59*x^16 + u^38*x^14 + u^33*x^13 + u^39*x^12 + u^16*x^11 + u*x^10 + u^51*x^9 + u^61*x^8 + u^10*x^7 + u^26*x^6 + u^16*x^5 + u^34*x^4 + u^32*x^3 + u^26*x^2 + u^16*x,

u^39*x^56 + x^52 + u^27*x^50 + u^36*x^49 + u^37*x^48 + u^42*x^44 + u^23*x^42 + u^54*x^41 + u^13*x^40 + u^3*x^38 + u^38*x^37 + u^29*x^36 + u^15*x^35 + u^13*x^34 + u^44*x^33 + u^23*x^32 + u^25*x^28 + u^42*x^26 + u^55*x^25 + u^45*x^24 + u^34*x^22 + u^44*x^21 + u^15*x^20 + u^48*x^19 + u^14*x^18 + u^42*x^17 + u^2*x^16 + u^13*x^13 + u^42*x^12 + u^2*x^10 + u^43*x^9 + u^39*x^8 + u^17*x^7 + u^42*x^6 + u^59*x^5 + u^53*x^4 + u^23*x^3 + u^40*x^2 + u^59*x,

u^16*x^56 + u*x^52 + u^62*x^50 + u^22*x^48 + u^36*x^44 + u^7*x^42 + u^32*x^41 + u^34*x^40 + u^53*x^38 + u^44*x^37 + u^43*x^36 + u^58*x^35 + u^22*x^34 + u^27*x^33 + u^43*x^32 + u^62*x^28 + u^42*x^26 + u^23*x^25 + u^46*x^24 + u^5*x^22 + u^11*x^21 + u^7*x^20 + u^30*x^19 + u^51*x^18 + u^10*x^17 + u^3*x^16 + u^25*x^14 + u^34*x^13 + u^10*x^12 + u^37*x^11 + u^35*x^10 + u^58*x^9 + u^39*x^8 + u^54*x^7 + u^10*x^6 + u^21*x^5 + u^36*x^4 + u^48*x^3 + u^46*x^2 + u^34*x,

u^25*x^56 + u^12*x^52 + u^7*x^50 + u^59*x^49 + u^16*x^48 + u^11*x^44 + u^45*x^42 + u^37*x^41 + u^27*x^40 + u^13*x^38 + u^41*x^37 + u^10*x^36 + u^4*x^35 + u^20*x^34 + u^44*x^33 + u^22*x^32 + u^13*x^28 + u^3*x^26 + u^10*x^25 + u^11*x^24 + u^60*x^22 + u^2*x^21 + u^52*x^20 + u^13*x^19 + u^62*x^18 + u^16*x^17 + u^26*x^16 + u^31*x^14 + u^60*x^13 + u^33*x^12 + u^9*x^11 + u^40*x^10 + u^37*x^9 + u^2*x^8 + u^19*x^7 + u^40*x^6 + x^5 + u^11*x^4 + u*x^3 + u^3*x^2 + u^7*x,

u^54*x^56 + u^50*x^52 + u^17*x^50 + u^40*x^49 + u^24*x^48 + u^34*x^44 + u^23*x^42 + u^45*x^41 + u^7*x^40 + u^31*x^38 + u^14*x^37 + u^56*x^36 + u^26*x^35 + u^7*x^34 + u^31*x^33 + x^32 + u^57*x^28 + u^55*x^25 + u^54*x^24 + u^30*x^22 + u^24*x^21 + u^10*x^20 + u^51*x^19 + u^30*x^18 + u^49*x^17 + u^32*x^16 + u^8*x^14 + u^18*x^13 + u^53*x^12 + u^40*x^11 + u^24*x^10 + u^13*x^9 + u^15*x^8 + u^56*x^7 + u^58*x^6 + u^37*x^5 + u^38*x^4 + u^7*x^3 + u^3*x^2 + u^18*x,

u^25*x^56 + u^44*x^52 + u^12*x^50 + x^49 + u^58*x^48 + u^62*x^44 + u^43*x^42 + u^15*x^41 + u^46*x^40 + u^31*x^38 + u*x^37 + u^59*x^36 + u^54*x^35 + u^6*x^34 + u^43*x^33 + u^46*x^32 + u^37*x^28 + u^32*x^26 + u^5*x^25 + u^50*x^24 + u^50*x^22 + u^43*x^21 + u^7*x^20 + u^9*x^19 + u^9*x^18 + u^12*x^17 + u^17*x^16 + u^21*x^14 + u^4*x^13 + u^37*x^12 + u^19*x^11 + u^13*x^10 + u^49*x^9 + u^45*x^8 + u^49*x^7 + u^50*x^6 + u^20*x^5 + u^62*x^4 + u^39*x^3 + u^26*x^2 + u^57*x,

u^21*x^52 + u^24*x^50 + u^48*x^49 + u^43*x^48 + u^57*x^44 + u^16*x^42 + u*x^41 + u^37*x^40 + u^61*x^38 + u^35*x^37 + u^7*x^36 + u*x^35 + u^33*x^34 + u^51*x^33 + u^19*x^32 + u^58*x^28 + u^60*x^26 + u^51*x^25 + u^19*x^24 + u^23*x^22 + u^20*x^21 + u^59*x^20 + u^34*x^19 + u^12*x^18 + u^9*x^17 + u^50*x^16 + u^4*x^14 + u^50*x^13 + u^56*x^12 + u^44*x^11 + u^38*x^10 + u^46*x^9 + u^15*x^8 + u^8*x^7 + u^27*x^6 + u^51*x^5 + u^24*x^4 + u^2*x^3 + u^40*x^2 + u^8*x,

u^34*x^56 + u^42*x^52 + u^40*x^50 + u^10*x^49 + u*x^48 + u^48*x^44 + u^14*x^42 + u^50*x^41 + u^59*x^40 + u^27*x^38 + u^28*x^37 + u^62*x^36 + u^26*x^35 + u^45*x^34 + u^2*x^33 + u^43*x^32 + u^33*x^28 + u^58*x^26 + u^26*x^25 + u^21*x^24 + u^17*x^22 + u^50*x^21 + u^57*x^20 + u^33*x^19 + u^26*x^18 + u^48*x^17 + u^24*x^16 + u^41*x^14 + u^21*x^12 + u^56*x^11 + u^44*x^10 + u^51*x^9 + u^7*x^8 + u^53*x^7 + u^37*x^6 + u^20*x^5 + u^26*x^4 + u^41*x^3 + u^16*x^2 + u^5*x,

u^29*x^56 + u^44*x^52 + u^56*x^50 + u^26*x^49 + u^11*x^48 + u^22*x^44 + u^22*x^42 + u^61*x^41 + u^10*x^40 + u^9*x^38 + u^22*x^37 + u^9*x^36 + u^3*x^35 + u^51*x^34 + u^61*x^33 + u^14*x^32 + u^25*x^28 + u^18*x^26 + u^25*x^25 + u^7*x^24 + u^10*x^22 + u^52*x^21 + u^40*x^20 + u^42*x^19 + u^8*x^18 + u^55*x^17 + u^10*x^16 + u^37*x^14 + u^12*x^13 + u^5*x^12 + u^59*x^11 + u^40*x^10 + u^14*x^9 + u^39*x^8 + u^32*x^7 + u^9*x^6 + u^36*x^5 + u^46*x^4 + u^11*x^3 + u^17*x^2 + u^54*x,

u^11*x^56 + u^45*x^52 + u^40*x^50 + u^36*x^49 + u^60*x^48 + u^62*x^44 + u^42*x^42 + u^27*x^41 + u^19*x^40 + u^24*x^38 + u^33*x^37 + u*x^36 + u^41*x^35 + u^11*x^34 + u^23*x^33 + u^56*x^32 + u^40*x^28 + u^46*x^26 + u^12*x^25 + u^44*x^24 + u^22*x^22 + u^20*x^21 + u^2*x^20 + u^57*x^19 + u^36*x^18 + u^37*x^17 + u^59*x^16 + u^27*x^14 + u^45*x^13 + u^44*x^12 + u^60*x^11 + u^41*x^10 + u^12*x^9 + u^40*x^8 + u^26*x^7 + u^18*x^6 + u^17*x^5 + u^50*x^4 + u^58*x^3 + u^52*x^2 + u^26*x,

u^37*x^60 + u^18*x^58 + u^4*x^57 + u^41*x^56 + u^61*x^54 + u^29*x^53 + u^43*x^52 + u*x^51 + u^20*x^50 + u^36*x^49 + u^57*x^48 + u^57*x^46 + u^52*x^45 + u^5*x^44 + u^51*x^43 + u^36*x^42 + u^62*x^41 + u^56*x^40 + u^58*x^39 + u^11*x^38 + x^37 + u^35*x^36 + u^54*x^35 + u^3*x^34 + u*x^33 + u^19*x^32 + u^22*x^30 + u^44*x^29 + u^24*x^28 + u^34*x^27 + u^57*x^26 + u^22*x^25 + u^25*x^24 + u^32*x^23 + u^48*x^22 + u^27*x^21 + u^23*x^20 + u^14*x^19 + u^21*x^18 + u^34*x^17 + u^18*x^16 + u^46*x^15 + u^3*x^14 + u^41*x^13 + u^34*x^12 + u^25*x^11 + u^44*x^10 + u^52*x^9 + u^46*x^8 + x^7 + u^61*x^6 + u^49*x^5 + u^48*x^4 + u^9*x^3 + u^54*x^2 + u^13*x,

u^42*x^56 + u^54*x^52 + u^19*x^50 + u^34*x^49 + u^57*x^48 + u^51*x^44 + u^25*x^42 + u^34*x^41 + u^2*x^40 + u^23*x^38 + x^37 + u^52*x^36 + u^24*x^35 + u^49*x^34 + u^7*x^33 + u^31*x^32 + u^21*x^28 + u^58*x^26 + u^18*x^25 + u^18*x^24 + u^3*x^22 + u^49*x^21 + u^62*x^20 + u^53*x^19 + u^22*x^18 + u^58*x^17 + u^53*x^16 + u^21*x^14 + u^59*x^13 + u^19*x^12 + u^23*x^11 + u^53*x^10 + u^22*x^9 + u^25*x^8 + u^37*x^7 + u^33*x^6 + u^37*x^5 + u^49*x^4 + u^47*x^3 + u^16*x^2 + u^4*x,

u^55*x^60 + u^36*x^58 + u^22*x^57 + u^16*x^54 + u^47*x^53 + u^59*x^52 + u^19*x^51 + u^15*x^50 + u^35*x^49 + u^61*x^48 + u^12*x^46 + u^7*x^45 + u^14*x^44 + u^6*x^43 + u^21*x^42 + u*x^41 + u^14*x^40 + u^13*x^39 + u^16*x^38 + u^15*x^37 + u^45*x^36 + u^18*x^35 + u^55*x^34 + u^22*x^33 + u^14*x^32 + u^40*x^30 + u^62*x^29 + u^52*x^28 + u^52*x^27 + u^25*x^26 + u^11*x^25 + u^9*x^24 + u^50*x^23 + u^37*x^22 + u^52*x^21 + u^8*x^20 + u^16*x^19 + u^13*x^18 + u^4*x^17 + u^51*x^16 + u*x^15 + u^51*x^14 + u^44*x^13 + u^15*x^12 + u^35*x^11 + u^39*x^10 + u^61*x^9 + u^54*x^8 + u^38*x^7 + u^30*x^6 + u^40*x^5 + u^30*x^4 + u^57*x^3 + u^34*x^2 + u^62*x,

u^19*x^56 + u*x^52 + u^31*x^50 + u^16*x^49 + u^25*x^48 + u^34*x^44 + u^31*x^42 + u^53*x^40 + u^62*x^38 + u^32*x^37 + u^32*x^36 + u^11*x^35 + u^39*x^34 + u^2*x^33 + u^59*x^32 + u^14*x^28 + u^5*x^26 + u^5*x^25 + u^29*x^24 + u^15*x^22 + u^17*x^21 + u^62*x^20 + u^41*x^19 + u^43*x^18 + u^37*x^17 + u^27*x^16 + u^33*x^14 + u*x^13 + u^3*x^12 + u^42*x^11 + u^12*x^10 + u^35*x^9 + u^23*x^8 + u^43*x^7 + u^23*x^6 + u^13*x^5 + u^40*x^4 + u^54*x^3 + u^28*x^2 + u^37*x,

u^43*x^56 + u^58*x^52 + u^48*x^50 + u^12*x^49 + u^15*x^48 + u^34*x^44 + u^33*x^42 + u^12*x^41 + u^34*x^40 + u^33*x^38 + u^32*x^37 + u^28*x^36 + u^59*x^35 + u^23*x^34 + u^31*x^33 + u^24*x^32 + u^36*x^28 + u^61*x^26 + u^60*x^25 + u^17*x^24 + u^49*x^22 + u^52*x^21 + u^58*x^20 + u^17*x^19 + u^56*x^18 + u^47*x^17 + u^42*x^16 + u^58*x^14 + u^5*x^13 + u^34*x^12 + u^11*x^11 + u^60*x^10 + u^45*x^9 + u^22*x^8 + u^59*x^7 + u^36*x^6 + u^56*x^5 + u^33*x^4 + u^28*x^3 + u^25*x^2 + u^54*x,

u^50*x^56 + u^21*x^52 + u^17*x^50 + u^9*x^49 + u^46*x^48 + u^53*x^44 + u^25*x^42 + u^54*x^40 + u^26*x^38 + u^2*x^37 + u^39*x^36 + u^8*x^35 + u^21*x^34 + u^38*x^33 + u^30*x^32 + u^26*x^28 + u^31*x^26 + u^35*x^25 + u^54*x^24 + u^59*x^22 + u^38*x^21 + u^13*x^20 + u^57*x^19 + u^33*x^18 + u^43*x^17 + u^46*x^16 + u^2*x^14 + u^32*x^13 + u^13*x^12 + u^33*x^11 + u^19*x^10 + u^10*x^9 + u^48*x^8 + u^10*x^7 + u^55*x^6 + u^52*x^5 + u^47*x^4 + u^4*x^3 + u^15*x^2 + u^15*x,

u^36*x^56 + u^41*x^52 + u^32*x^50 + u^20*x^49 + u^52*x^48 + u^34*x^44 + u^42*x^42 + u^14*x^41 + u^15*x^40 + u^13*x^38 + u^25*x^37 + u^39*x^36 + u^5*x^35 + u^17*x^34 + u^45*x^33 + u^3*x^32 + u^3*x^28 + x^26 + u^29*x^25 + u^18*x^24 + u^38*x^22 + u^49*x^21 + u^48*x^20 + u^39*x^19 + u^34*x^18 + u^27*x^17 + u^16*x^16 + u^31*x^14 + u^35*x^13 + u^62*x^12 + u^29*x^11 + u^62*x^10 + u^62*x^9 + u^14*x^8 + u^26*x^7 + u^9*x^6 + u^13*x^5 + u^56*x^4 + u^45*x^3 + u^25*x^2 + u^46*x,

u^37*x^56 + u^56*x^52 + u^6*x^50 + u^59*x^49 + u^36*x^48 + u^54*x^44 + u^28*x^42 + u^40*x^41 + u^12*x^40 + u^51*x^38 + x^37 + u*x^36 + u^43*x^35 + u^38*x^34 + u^29*x^33 + u^11*x^32 + u^28*x^28 + u^37*x^26 + u^8*x^25 + u^59*x^24 + u^31*x^22 + u^52*x^21 + u^44*x^20 + u^24*x^19 + u^46*x^18 + u^16*x^17 + u^31*x^16 + u^18*x^14 + u^48*x^13 + u^42*x^12 + u^16*x^11 + u^26*x^10 + u^4*x^9 + u^8*x^8 + u^53*x^7 + u^58*x^6 + u^48*x^5 + u^48*x^4 + u^26*x^3 + u^18*x^2 + u^31*x,

u^37*x^60 + u^18*x^58 + u^4*x^57 + u^62*x^56 + u^61*x^54 + u^29*x^53 + u^5*x^52 + u*x^51 + u^8*x^50 + u^54*x^49 + x^48 + u^57*x^46 + u^52*x^45 + u^31*x^44 + u^51*x^43 + u^40*x^42 +

u^26*x^41 + u^24*x^40 + u^58*x^39 + u^14*x^38 + u^45*x^37 + u^6*x^36 + u^47*x^35 + u^21*x^34 + u^32*x^33 + u^34*x^32 + u^22*x^30 + u^44*x^29 + u^22*x^28 + u^34*x^27 + u^32*x^26 + u^8*x^25 + u^42*x^24 + u^32*x^23 + u^21*x^22 + u^31*x^21 + x^20 + u^5*x^19 + u^14*x^18 + u^4*x^17 + u^58*x^16 + u^46*x^15 + u^13*x^14 + u^2*x^13 + u^61*x^12 + u^48*x^11 + u^42*x^10 + u^23*x^9 + u^46*x^8 + u^9*x^7 + u^31*x^6 + u^36*x^5 + u^10*x^4 + u^3*x^3 + u^6*x^2 + u^34*x,

u^51*x^56 + u^21*x^52 + u^50*x^50 + u^36*x^49 + u^21*x^48 + u^27*x^44 + u^23*x^42 + u^55*x^41 + u^55*x^40 + u^28*x^38 + u^32*x^37 + u^9*x^36 + u^20*x^35 + u*x^34 + u^48*x^33 + x^32 + u^24*x^28 + u^18*x^26 + u^35*x^25 + x^24 + u^8*x^22 + u^61*x^21 + u^17*x^20 + u^21*x^19 + u^57*x^18 + u^10*x^17 + u^59*x^16 + u^35*x^14 + u^17*x^13 + u^5*x^12 + u^29*x^11 + u^44*x^10 + u^31*x^9 + u^59*x^7 + u^33*x^6 + u^37*x^5 + u^15*x^4 + u^41*x^3 + u^47*x^2 + u^50*x,

u^45*x^60 + u^26*x^58 + u^12*x^57 + u^57*x^56 + u^6*x^54 + u^37*x^53 + u^31*x^52 + u^9*x^51 + u^61*x^50 + u^12*x^49 + u^55*x^48 + u^2*x^46 + u^60*x^45 + u^52*x^44 + u^59*x^43 + u^59*x^42 + u^8*x^41 + u^19*x^40 + u^3*x^39 + u^31*x^38 + u^29*x^37 + u^55*x^36 + u^56*x^35 + u^26*x^34 + u^56*x^33 + u^18*x^32 + u^30*x^30 + u^52*x^29 + u^36*x^28 + u^42*x^27 + u^61*x^26 + u^55*x^25 + u^53*x^24 + u^40*x^23 + u^14*x^22 + u^37*x^21 + u^43*x^20 + u^11*x^19 + u^43*x^18 + u^29*x^17 + u^54*x^16 + u^54*x^15 + u^17*x^14 + u^21*x^13 + u^44*x^12 + u^14*x^11 + u^10*x^10 + u^2*x^9 + u^50*x^8 + u^52*x^7 + u^13*x^6 + u^20*x^5 + u^55*x^4 + u^62*x^3 + u^10*x^2 + u^6*x,

u^29*x^60 + u^10*x^58 + u^59*x^57 + u^11*x^56 + u^53*x^54 + u^21*x^53 + u*x^52 + u^56*x^51 + u^44*x^50 + u^40*x^49 + u^12*x^48 + u^49*x^46 + u^44*x^45 + u^56*x^44 + u^43*x^43 + u^32*x^42 + u^38*x^41 + u^51*x^40 + u^50*x^39 + u^14*x^38 + u^2*x^37 + u^22*x^36 + u^43*x^35 + u^4*x^33 + u^31*x^32 + u^14*x^30 + u^36*x^29 + u^54*x^28 + u^26*x^27 + u^15*x^26 + u^31*x^25 + u^40*x^24 + u^24*x^23 + u^33*x^22 + u^49*x^21 + u^18*x^20 + u^51*x^19 + u^40*x^17 + u^51*x^16 + u^38*x^15 + u^28*x^14 + u^45*x^13 + u^38*x^12 + u^4*x^11 + u^34*x^10 + u^19*x^9 + u^22*x^8 + u^5*x^7 + u^48*x^6 + u^46*x^5 + u^38*x^4 + u^13*x^3 + u^42*x^2 + u^5*x,

u^61*x^56 + u^22*x^52 + u^60*x^50 + u^4*x^49 + u^23*x^48 + u^55*x^44 + u^42*x^42 + u^34*x^41 + u^59*x^40 + u^21*x^38 + u^35*x^37 + u^24*x^36 + u^21*x^35 + u^5*x^34 + u^55*x^33 + u^22*x^32 + u^11*x^28 + u^42*x^26 + u^43*x^25 + u^9*x^24 + u^2*x^22 + u^11*x^21 + u^23*x^20 + u^19*x^18 + u^28*x^17 + u^28*x^16 + u^42*x^12 + u^33*x^11 + u^53*x^10 + u^20*x^9 + u^14*x^8 + u^41*x^7 + u^2*x^6 + u^29*x^5 + u^37*x^4 + u^37*x^3 + u^53*x^2 + u^45*x,

u^16*x^56 + u^3*x^52 + u^23*x^50 + u^35*x^49 + u^48*x^48 + x^44 + u^34*x^42 + x^41 + u^58*x^40 + u^47*x^38 + u^7*x^37 + u^24*x^36 + u^52*x^35 + u^32*x^34 + u^9*x^33 + u^12*x^32 + u^15*x^28 + u^14*x^26 + u^3*x^25 + u^62*x^24 + u^26*x^22 + u^50*x^21 + u^39*x^20 + u^15*x^19 + u^30*x^18 + u^62*x^17 + u^5*x^16 + u^23*x^14 + u^30*x^13 + u^51*x^12 + u^32*x^11 + u^3*x^10 + x^9 + u^47*x^8 + u^16*x^7 + u^59*x^6 + u^28*x^5 + u^7*x^4 + u^39*x^3 + u^50*x^2 + u^58*x,

u^36*x^56 + u^26*x^52 + u^23*x^50 + u^15*x^49 + u^16*x^48 + u^57*x^44 + u^27*x^42 + u^34*x^41 + u^3*x^40 + u^51*x^38 + u^55*x^37 + u^14*x^36 + u^34*x^35 + u^32*x^34 + u^58*x^33 + u^5*x^32 + u^42*x^28 + u^57*x^26 + u^26*x^25 + u^48*x^24 + u^13*x^22 + u^23*x^21 + u^4*x^20 + u^6*x^19 + u^2*x^18 + u^5*x^17 + u^57*x^16 + u^51*x^14 + u^56*x^13 + u^21*x^12 + u^46*x^11 + u^41*x^10 + u^55*x^9 + u^25*x^8 + u^27*x^7 + u^37*x^6 + u^14*x^5 + u^43*x^4 + u^42*x^3 + u^37*x^2 + u^58*x,

u^10*x^56 + u^60*x^52 + u^37*x^50 + u^54*x^49 + u^14*x^48 + u^17*x^44 + u^17*x^42 + u^10*x^41 + u^26*x^40 + u^60*x^38 + u^26*x^37 + u^47*x^36 + u^37*x^35 + u^40*x^34 + u^9*x^33 + u^40*x^32 + u^51*x^28 + u^38*x^26 + u^10*x^25 + u^33*x^24 + u^15*x^22 + u^44*x^21 + u^20*x^20 + u^28*x^19 + u^8*x^18 + u^12*x^17 + u^25*x^16 + u^32*x^14 + u^41*x^13 + u^56*x^12 + u^2*x^11 + u^10*x^10 + u^27*x^9 + u^6*x^8 + u^36*x^7 + u^49*x^6 + u^25*x^5 + u^38*x^4 + u^23*x^3 + u^41*x^2 + u^11*x,

u^24*x^56 + u^30*x^52 + u^36*x^50 + u^7*x^49 + u^33*x^48 + u^4*x^44 + u^42*x^42 + u^16*x^41 + u^13*x^40 + u^45*x^38 + u^22*x^37 + u^20*x^36 + u^8*x^35 + u^5*x^34 + u^4*x^32 + u^42*x^28 + u^19*x^26 + u^5*x^25 + u^8*x^24 + u^39*x^22 + u^32*x^21 + u^45*x^20 + u^34*x^19 + u^20*x^18 + u^20*x^17 + u^62*x^16 + u^29*x^14 + u^46*x^13 + u^13*x^12 + u^29*x^11 + u^28*x^10 + u^4*x^9 + u^44*x^8 + u^16*x^7 + u^40*x^6 + u^41*x^5 + u^22*x^4 + u^25*x^3 + u^62*x^2 + u^39*x,

u^14*x^56 + u^48*x^52 + u^28*x^50 + u^21*x^49 + u^27*x^48 + u^16*x^44 + u^49*x^42 + u^57*x^41 + u^51*x^40 + u^6*x^38 + u^2*x^37 + u^48*x^36 + u^51*x^35 + u^20*x^34 + u^44*x^33 + u^19*x^32 + u^60*x^28 + u^54*x^26 + u^40*x^25 + u^39*x^24 + u^15*x^22 + u^42*x^21 + u^22*x^20 + u^28*x^19 + u^26*x^18 + u^51*x^17 + u^23*x^16 + u^43*x^14 + u^30*x^13 + u^56*x^12 + u^39*x^11 + u^4*x^10 + u^12*x^9 + u^29*x^8 + u^5*x^7 + u^28*x^6 + u^2*x^5 + u^51*x^4 + u^51*x^3 + u^10*x^2 + u^25*x,

u^58*x^60 + u^39*x^58 + u^25*x^57 + u^17*x^56 + u^19*x^54 + u^50*x^53 + u^21*x^52 + u^22*x^51 + u^62*x^50 + u^38*x^49 + u^52*x^48 + u^15*x^46 + u^10*x^45 + u^59*x^44 + u^9*x^43 + u^58*x^42 + u^46*x^41 + u^32*x^40 + u^16*x^39 + u^56*x^38 + u^50*x^37 + u^55*x^36 + u^51*x^35 + u^29*x^34 + u^43*x^33 + u^5*x^32 + u^43*x^30 + u^2*x^29 + u^46*x^28 + u^55*x^27 + u^33*x^26 + u^48*x^25 + u^7*x^24 + u^53*x^23 + u^13*x^22 + u^12*x^21 + u^12*x^20 + u^13*x^19 + u^38*x^18 + u^20*x^17 + u^45*x^16 + u^4*x^15 + u^40*x^14 + u^42*x^13 + u^35*x^12 + u^9*x^11 + u^21*x^10 + u^43*x^9 + u^56*x^8 + u^58*x^7 + u^16*x^6 + u^20*x^5 + u^62*x^4 + u^13*x^3 + u^6*x^2 + u^49*x,

u^58*x^60 + u^39*x^58 + u^25*x^57 + u^6*x^56 + u^19*x^54 + u^50*x^53 + u^21*x^52 + u^22*x^51 + u^16*x^50 + u^44*x^49 + u^50*x^48 + u^15*x^46 + u^10*x^45 + u^13*x^44 + u^9*x^43 + u^16*x^42 + u^36*x^41 + u^29*x^40 + u^16*x^39 + u^18*x^38 + u^7*x^37 + u^10*x^36 + u^18*x^35 + u^20*x^34 + u^18*x^33 + u^10*x^32 + u^43*x^30 + u^2*x^29 + u^61*x^28 + u^55*x^27 + u^50*x^26 + u^24*x^25 + u^50*x^24 + u^53*x^23 + u^52*x^22 + u^7*x^21 + u^22*x^20 + u^20*x^19 + u^57*x^18 + u^20*x^17 + u^57*x^16 + u^4*x^15 + u^48*x^14 + u^21*x^13 + u^16*x^12 + u^14*x^11 + x^10 + u^26*x^9 + u^25*x^8 + u^53*x^7 + u^23*x^6 + u^14*x^5 + u^14*x^4 + u^61*x^3 + u^33*x^2 + u^34*x,

x^56 + u^35*x^52 + u^37*x^50 + u^37*x^48 + u^24*x^44 + u^27*x^42 + u^42*x^41 + u^23*x^40 + u^10*x^38 + u^47*x^37 + u^19*x^36 + u^8*x^35 + u^18*x^34 + u^36*x^33 + u^6*x^32 + u^34*x^28 + u^53*x^26 + u^27*x^25 + u^48*x^24 + u^60*x^22 + u^55*x^21 + u^36*x^20 + u^59*x^19 + u^26*x^18 + u^18*x^17 + u^36*x^16 + u^2*x^14 + u^27*x^13 + u^20*x^12 + u^26*x^11 + u^20*x^10 + u^59*x^9 + u^38*x^8 + u^23*x^7 + u^31*x^6 + u^2*x^5 + u^5*x^4 + u^21*x^3 + u^44*x^2 + u^54*x,

u^12*x^60 + u^56*x^58 + u^42*x^57 + u^22*x^56 + u^36*x^54 + u^4*x^53 + u^50*x^52 + u^39*x^51 + u^23*x^50 + u^28*x^49 + u^40*x^48 + u^32*x^46 + u^27*x^45 + u^10*x^44 + u^26*x^43 + u^46*x^42 + u^18*x^41 + u^5*x^40 + u^33*x^39 + u^40*x^38 + u^61*x^37 + u^46*x^36 + u^26*x^35 + u^36*x^34 + u^46*x^33 + u^6*x^32 + u^60*x^30 + u^19*x^29 + u^38*x^28 + u^9*x^27 + u^56*x^26 + u^6*x^25 + u^44*x^24 + u^7*x^23 + u^16*x^22 + u^34*x^21 + u^35*x^20 + u^20*x^19 + u^12*x^18 + u^25*x^17 + u^14*x^16 + u^21*x^15 + u^44*x^14 + u^28*x^13 + u^57*x^12 + u^34*x^11 + u^24*x^10 + u^30*x^9 + u^55*x^8 + u*x^7 + u^57*x^6 + u^42*x^5 + u^58*x^4 + u^30*x^3 + u^3*x^2 + u^55*x,

u^58*x^56 + u^4*x^52 + u^34*x^50 + u^22*x^49 + u^8*x^48 + u^3*x^44 + u^30*x^42 + u^16*x^41 + u^40*x^40 + u^37*x^38 + u^36*x^37 + u^57*x^36 + u^4*x^35 + u^53*x^34 + u^19*x^33 + u^57*x^32 + u^6*x^28 + u^59*x^26 + u^35*x^25 + u*x^24 + u^31*x^22 + u^15*x^21 + u^33*x^20 + u^49*x^19 + u^12*x^18 + u^42*x^17 + u^4*x^16 + u^30*x^14 + u^2*x^13 + u^22*x^12 + u^28*x^11 + u^31*x^10 + u^29*x^9 + u^14*x^8 + u^38*x^7 + u^44*x^6 + u^9*x^5 + u^46*x^4 + u^47*x^3 + u^27*x^2,

u^34*x^60 + u^15*x^58 + u*x^57 + u^49*x^56 + u^58*x^54 + u^26*x^53 + u^24*x^52 + u^61*x^51 + u^48*x^50 + u^24*x^49 + u^59*x^48 + u^54*x^46 + u^49*x^45 + u^47*x^44 + u^48*x^43 + u^40*x^42 + u^48*x^41 + u^62*x^40 + u^55*x^39 + u^24*x^38 + u^2*x^37 + u^49*x^36 + u^26*x^34 + u^33*x^33 + u^52*x^32 + u^19*x^30 + u^41*x^29 + u^42*x^28 + u^31*x^27 + u^49*x^26 + u^32*x^25 + u^3*x^24 + u^29*x^23 + u^50*x^22 + u^38*x^21 + u^62*x^20 + u^35*x^19 + u^20*x^18 + u^57*x^17 + u^44*x^16 + u^43*x^15 + u^8*x^14 + u^58*x^13 + u^22*x^12 + u^49*x^11 + u^10*x^10 + u^55*x^9 + u^2*x^8 + u^49*x^7 + u^47*x^6 + u^5*x^5 + u^53*x^4 + u^8*x^3 + u^31*x^2 + u^36*x,

u^55*x^60 + u^36*x^58 + u^22*x^57 + u^41*x^56 + u^16*x^54 + u^47*x^53 + u*x^52 + u^19*x^51 + u^35*x^50 + u^8*x^49 + u*x^48 + u^12*x^46 + u^7*x^45 + u^43*x^44 + u^6*x^43 + u^37*x^42 + u^11*x^41 + u^25*x^40 + u^13*x^39 + u^18*x^38 + u^55*x^37 + u^16*x^36 + u^39*x^35 + u^57*x^34 + u*x^33 + u^50*x^32 + u^40*x^30 + u^62*x^29 + u^31*x^28 + u^52*x^27 + u^18*x^26 + u^5*x^25 + u^12*x^24 + u^50*x^23 + u^54*x^22 + u^27*x^21 + u^34*x^20 + u^55*x^19 + u^10*x^18 + u^30*x^17 + u^39*x^16 + u*x^15 + u^7*x^14 + u^28*x^13 + u^53*x^12 + u^14*x^10 + u^30*x^9 + u^30*x^8 + u^6*x^7 + u^61*x^6 + u^21*x^5 + u^24*x^4 + u^5*x^3 + u^41*x^2 + u^44*x,

u^24*x^56 + u^37*x^52 + u^2*x^50 + u^49*x^49 + u^37*x^48 + u^31*x^44 + u^26*x^42 + u^60*x^41 + u^55*x^40 + u^5*x^38 + u^35*x^37 + u^59*x^36 + u^46*x^35 + u^47*x^34 + u^40*x^33 + u^37*x^32 + u^38*x^28 + u^45*x^26 + u^6*x^25 + u^33*x^24 + u^13*x^22 + u^33*x^21 + u^8*x^20 + u^62*x^19 + u^11*x^18 + u^4*x^17 + u^56*x^16 + u^12*x^14 + u^32*x^13 + u^22*x^12 + u^51*x^11 + u^62*x^10 + u^12*x^9 + u^27*x^8 + u^26*x^7 + u^50*x^6 + u^9*x^5 + u^7*x^4 + u^10*x^3 + u^60*x^2 + u^34*x,

u^35*x^56 + u^46*x^52 + u^14*x^50 + u^12*x^49 + u^46*x^48 + u^30*x^44 + u^35*x^42 + u^43*x^41 + u^6*x^40 + u^15*x^37 + u^17*x^36 + u^57*x^35 + u^12*x^34 + u^50*x^33 + u^8*x^32 + u^59*x^28 + u^15*x^26 + u^14*x^25 + u^57*x^24 + u^43*x^22 + u^37*x^21 + u^8*x^20 + u^18*x^19 + u^5*x^18 + u^35*x^17 + u^42*x^16 + u^44*x^14 + u^19*x^13 + u^39*x^12 + u^11*x^11 + u^56*x^10 + u^19*x^9 + u^27*x^8 + u^60*x^7 + u^60*x^6 + u^25*x^5 + u^55*x^4 + u^46*x^3 + u^39*x^2 + u^61*x,

u^12*x^60 + u^56*x^58 + u^42*x^57 + u^55*x^56 + u^36*x^54 + u^4*x^53 + u^8*x^52 + u^39*x^51 + u^38*x^50 + u^61*x^49 + u^16*x^48 + u^32*x^46 + u^27*x^45 + u^43*x^44 + u^26*x^43 + u^54*x^42 + u^46*x^41 + u^15*x^40 + u^33*x^39 + u^55*x^38 + u^8*x^37 + u^12*x^36 + u^5*x^35 + u^26*x^34 + u^51*x^33 + u^54*x^32 + u^60*x^30 + u^19*x^29 + u^19*x^28 + u^9*x^27 + u^55*x^26 + u^52*x^25 + u^55*x^24 + u^7*x^23 + u^56*x^22 + u^42*x^21 + u^47*x^20 + u^47*x^19 + u^8*x^18 + u^54*x^17 + u^27*x^16 + u^21*x^15 + u^5*x^14 + u^25*x^13 + u^44*x^12 + u^56*x^11 + u^32*x^10 + u^9*x^9 + u^58*x^8 + u^58*x^7 + u^61*x^6 + u^18*x^5 + u^38*x^4 + u^37*x^3 + u^11*x^2 + u^31*x,

u^30*x^56 + u^35*x^52 + u^10*x^50 + u^25*x^49 + u^5*x^48 + u^50*x^44 + u^34*x^42 + u*x^41 + u^32*x^40 + u^11*x^38 + u^34*x^37 + u^7*x^36 + u^27*x^35 + u^50*x^34 + u^25*x^33 + u^24*x^32 + u^57*x^28 + u^17*x^26 + u^32*x^25 + u^39*x^24 + u^56*x^22 + u^8*x^21 + u^27*x^20 + u^28*x^18 + u^4*x^17 + u^42*x^16 + u*x^14 + u^47*x^13 + u^18*x^12 + u^9*x^11 + u^5*x^10 + u^50*x^9 + u^60*x^8 + u^32*x^7 + u^37*x^6 + u^50*x^5 + u^61*x^4 + u^19*x^3 + u^24*x^2 + u^50*x,

u^12*x^60 + u^56*x^58 + u^42*x^57 + u^30*x^56 + u^36*x^54 + u^4*x^53 + u^54*x^52 + u^39*x^51 + u^29*x^50 + u^53*x^49 + u*x^48 + u^32*x^46 + u^27*x^45 + u^36*x^44 + u^26*x^43 + u^15*x^42 + u^12*x^41 + u^23*x^40 + u^33*x^39 + u^17*x^38 + u^27*x^37 + u^44*x^36 + u^30*x^35 + u^41*x^34 + u^8*x^33 + u^59*x^32 + u^60*x^30 + u^19*x^29 + u^23*x^28 + u^9*x^27 + u^17*x^26 + u^24*x^25 + u^32*x^24 + u^7*x^23 + u^38*x^22 + u^42*x^21 + u^31*x^20 + u^25*x^19 + u^37*x^18 + u^23*x^17 + u^54*x^16 + u^21*x^15 + u^24*x^14 + u^26*x^13 + u^2*x^12 + u^49*x^11 + u^33*x^10 + u^47*x^8 + u^31*x^7 + u^13*x^6 + u^4*x^5 + u^58*x^4 + u^19*x^3 + u^7*x^2 + u^7*x,

u^53*x^60 + u^34*x^58 + u^20*x^57 + u^30*x^56 + u^14*x^54 + u^45*x^53 + u^47*x^52 + u^17*x^51 + u^30*x^50 + u^37*x^49 + u^5*x^48 + u^10*x^46 + u^5*x^45 + u^20*x^44 + u^4*x^43 + u^6*x^42 + u^10*x^41 + u^16*x^40 + u^11*x^39 + u^20*x^38 + u^36*x^37 + u^19*x^36 + u*x^35 + u^34*x^34 + u^7*x^33 + u*x^32 + u^38*x^30 + u^60*x^29 + u^31*x^28 + u^50*x^27 + u^51*x^26 + u^9*x^25 + u^25*x^24 + u^48*x^23 + u^27*x^22 + u^2*x^21 + u^2*x^20 + u^2*x^19 + u^48*x^18 + u^43*x^17 + u^39*x^16 + u^62*x^15 + u^12*x^14 + u^22*x^13 + u^16*x^12 + u^40*x^11 + u^61*x^10 + u^25*x^9 + u^61*x^8 + u^24*x^7 + u^31*x^6 + u^14*x^5 + u^18*x^4 + u^18*x^3 + u^61*x,

u^18*x^56 + u^29*x^52 + u^16*x^50 + u^33*x^48 + u^38*x^44 + u^44*x^42 + u^33*x^41 + u^41*x^40 + u^26*x^38 + u^38*x^37 + u^57*x^36 + u^62*x^35 + u^35*x^34 + u^8*x^33 + u^43*x^32 + u^53*x^28 + u^3*x^26 + u^60*x^25 + u^59*x^24 + u^7*x^22 + u^57*x^21 + u^54*x^20 + u^19*x^19 + u^52*x^18 + u*x^17 + u^43*x^16 + u^22*x^14 + u^3*x^13 + u^38*x^12 + u^40*x^11 + u^58*x^10 + u^61*x^9 + u^18*x^8 + u^18*x^7 + u^62*x^6 + u*x^5 + u^61*x^4 + u^15*x^3 + u^21*x^2 + u^30*x,

u^8*x^56 + u^24*x^50 + u^29*x^49 + u^46*x^48 + u^9*x^44 + u^57*x^42 + u^53*x^41 + u^17*x^40 + u^35*x^38 + u^60*x^37 + u^45*x^36 + u^2*x^35 + u^31*x^34 + u^19*x^33 + u^23*x^32 + u^52*x^28 + u^28*x^26 + u^17*x^25 + u^40*x^24 + u^42*x^22 + u^50*x^21 + u^61*x^20 + u^35*x^19 + u^13*x^18 + u^43*x^17 + u^8*x^16 + u^7*x^14 + u^19*x^13 + u^23*x^12 + u^54*x^11 + u^10*x^10 + u^13*x^9 + u^6*x^8 + u^21*x^7 + u^3*x^6 + u^7*x^5 + u^51*x^4 + u^25*x^3 + u^17*x,

```
   u^7*x^56 + u^17*x^52 + u^59*x^50 + u^39*x^49 + u^46*x^48 + u^56*x^44 + u^17*x^42 + u^26*x^41 + u^58*x^40 + u^51*x^38 + u^27*x^37 + u^50*x^36 + u^16*x^35 + u^11*x^34 + u^10*x^33 + u^18*x^32
       + u^22*x^28 + u^6*x^26 + u^39*x^25 + u^20*x^24 + u^20*x^22 + u^47*x^21 + u^15*x^20 + u^28*x^19 + u^14*x^18 + u^13*x^17 + u^9*x^16 + u*x^14 + u^7*x^13 + u*x^12 + u^28*x^11 + u^19*x^10 +
       u^41*x^9 + u^20*x^8 + u^19*x^7 + u^54*x^6 + u^54*x^5 + u^13*x^4 + u^41*x^3 + u^45*x^2 + u^7*x,

   u^27*x^56 + u^19*x^52 + u^59*x^50 + u^40*x^49 + u^27*x^48 + u^44*x^44 + u^25*x^42 + u^57*x^41 + u^2*x^40 + x^38 + u^10*x^37 + u^15*x^36 + u^52*x^35 + u^8*x^34 + u^42*x^33 + u^20*x^32 +
       u^59*x^28 + x^26 + u^60*x^25 + u^5*x^24 + u^39*x^22 + u^33*x^21 + u^13*x^20 + u^31*x^19 + u^7*x^18 + u^54*x^17 + u^13*x^16 + u^25*x^14 + u^30*x^13 + u*x^12 + u^16*x^11 + u^41*x^10 +
       u^31*x^9 + u^57*x^7 + u^34*x^7 + u^31*x^6 + u^22*x^5 + u^5*x^4 + u^3*x^3 + u^61*x^2 + x,

   u^31*x^60 + u^12*x^58 + u^61*x^57 + u^41*x^56 + u^55*x^54 + u^23*x^53 + u^43*x^52 + u^58*x^51 + u^24*x^50 + u^40*x^49 + u^4*x^48 + u^51*x^46 + u^46*x^45 + u^34*x^44 + u^45*x^43 + u^39*x^42
       + u^35*x^41 + u^13*x^40 + u^52*x^39 + u^15*x^38 + u^49*x^37 + u^38*x^36 + u^2*x^35 + u^40*x^34 + u^33*x^33 + u^11*x^32 + u^16*x^30 + u^38*x^29 + u^60*x^28 + u^28*x^27 + u^19*x^26 +
       u^8*x^25 + u^30*x^24 + u^26*x^23 + u^51*x^22 + u^34*x^21 + u^30*x^20 + u^60*x^19 + u^11*x^18 + u^34*x^17 + u^16*x^16 + u^40*x^15 + u^11*x^14 + u^8*x^13 + u^9*x^12 + u^15*x^11 +
       u^19*x^10 + u^59*x^9 + u^61*x^8 + u^37*x^7 + u^59*x^6 + u^19*x^5 + u^52*x^4 + u^36*x^3 + u^7*x^2 + u^47*x,

   u^9*x^56 + u^43*x^52 + u^18*x^50 + u^52*x^49 + u^15*x^48 + u^19*x^44 + u^35*x^42 + u^20*x^41 + u^5*x^40 + u*x^38 + u^62*x^37 + u^25*x^36 + u^33*x^35 + u^44*x^34 + u^4*x^33 + u^3*x^32 +
       u^8*x^28 + u^26*x^26 + u^23*x^25 + u^38*x^24 + u^23*x^22 + u^5*x^21 + u^46*x^20 + u^34*x^19 + u^43*x^18 + u*x^17 + u^41*x^16 + u^41*x^14 + u^23*x^13 + u^59*x^12 + u^15*x^11 + u^55*x^10
       + u^44*x^9 + u^44*x^7 + u^53*x^6 + u^34*x^5 + u^14*x^4 + u^48*x^3 + u^22*x^2 + u^27*x,

   u^35*x^60 + u^16*x^58 + u^2*x^57 + u^39*x^56 + u^59*x^54 + u^27*x^53 + u^49*x^52 + u^62*x^51 + u^13*x^49 + u^4*x^48 + u^55*x^46 + u^50*x^45 + u^4*x^44 + u^49*x^43 + u^46*x^42 + u^47*x^41 +
       u^28*x^40 + u^56*x^39 + u^37*x^38 + u^29*x^37 + u^48*x^36 + u^33*x^35 + u^21*x^34 + u^37*x^33 + u^55*x^32 + u^20*x^30 + u^42*x^29 + u^46*x^28 + u^32*x^27 + u^19*x^26 + u^3*x^25 +
       u^15*x^24 + u^30*x^23 + u^39*x^22 + u^25*x^21 + u^7*x^20 + u^33*x^19 + u^42*x^18 + u^23*x^17 + u^62*x^16 + u^44*x^15 + u^49*x^14 + u^40*x^13 + u^43*x^12 + u^15*x^11 + u^41*x^10 +
       u^23*x^9 + u^41*x^8 + u*x^7 + u^19*x^6 + u^50*x^5 + u^47*x^4 + u^52*x^3 + u^25*x^2 + u^45*x,

   u^31*x^56 + u^22*x^52 + u^37*x^50 + u^12*x^49 + u^59*x^48 + u^51*x^44 + u^48*x^42 + u^4*x^41 + u^13*x^40 + u^58*x^38 + u^18*x^37 + u^22*x^36 + u^32*x^35 + u^37*x^34 + u^18*x^33 + u^33*x^32
       + u^43*x^28 + u^58*x^26 + u^26*x^25 + u^10*x^24 + u^45*x^22 + x^21 + u^6*x^20 + u^6*x^19 + x^18 + u^43*x^17 + u^7*x^16 + u^16*x^14 + u^10*x^13 + u^36*x^12 + u^37*x^11 + u^21*x^10 +
       u^25*x^9 + u^48*x^7 + u^13*x^6 + u^37*x^5 + u^40*x^4 + u^19*x^3 + u^6*x^2 + u^35*x,

   u*x^56 + u^38*x^52 + u^43*x^50 + u^55*x^49 + u^26*x^48 + u^19*x^44 + u^31*x^42 + u^57*x^41 + u^7*x^40 + u^23*x^38 + u^15*x^37 + u^54*x^36 + u^60*x^35 + u^29*x^34 + u^49*x^33 + u^40*x^32 +
       u^24*x^28 + u^26*x^26 + u^44*x^25 + u^30*x^24 + u^17*x^22 + u^3*x^21 + u^26*x^20 + u^9*x^19 + u^45*x^18 + u^56*x^17 + u^26*x^16 + u^47*x^14 + u^62*x^13 + u^21*x^12 + u^13*x^11 +
       u^40*x^10 + u^57*x^9 + u^25*x^8 + u^38*x^7 + u^51*x^6 + u^17*x^5 + u^45*x^4 + u^17*x^3 + u^25*x^2 + u^60*x,

   u^31*x^60 + u^12*x^58 + u^61*x^57 + u^20*x^56 + u^55*x^54 + u^23*x^53 + u^24*x^52 + u^58*x^51 + u^50*x^50 + u^12*x^49 + u^8*x^48 + u^51*x^46 + u^46*x^45 + u^37*x^44 + u^45*x^43 + u^52*x^42
       + u^2*x^41 + u^1*x^59*x^40 + u^52*x^39 + u^49*x^38 + u^36*x^37 + u^37*x^36 + u^28*x^35 + u^35*x^34 + u^4*x^33 + u^62*x^32 + u^16*x^30 + u^38*x^29 + u^50*x^28 + u^28*x^27 + u^38*x^26 +
       u^22*x^25 + u^9*x^24 + u^26*x^23 + u^44*x^22 + u^51*x^21 + u^26*x^20 + u^11*x^19 + u^56*x^18 + u^54*x^17 + u^5*x^17 + u^43*x^16 + u^40*x^15 + u^3*x^14 + u^61*x^13 + u^37*x^12 + u^44*x^11 +
       u^50*x^10 + u^25*x^9 + u^59*x^8 + u^3*x^7 + u^25*x^6 + u^30*x^5 + u^51*x^4 + u^21*x^3 + u^56*x^2 + u^29*x,

   u^59*x^56 + u^28*x^52 + u^62*x^50 + u^14*x^49 + u^8*x^48 + u^9*x^44 + u^24*x^42 + u^27*x^41 + u^41*x^40 + u^20*x^38 + u^49*x^37 + u^61*x^36 + u^4*x^35 + u^54*x^34 + u^17*x^33 + u^27*x^32 +
       u^30*x^28 + u^10*x^26 + u^62*x^25 + u^30*x^24 + u^46*x^22 + u^37*x^21 + u^5*x^20 + u^13*x^19 + u^29*x^18 + u*x^17 + u^11*x^16 + u^57*x^14 + u^10*x^13 + u^18*x^12 + u^12*x^11 +
       u^31*x^10 + u^45*x^9 + u^37*x^8 + u^18*x^7 + u^54*x^6 + u^12*x^5 + u^35*x^4 + u^29*x^3 + u^7*x^2 + u^8*x
];


Function :
u^34*x^6 + u^52*x^9 + u^48*x^12 + u^6*x^20 + u^9*x^33 + u^23*x^34 + u^25*x^40,

#EA−Classes :  91

Degrees : {∗ 2, 3^^66, 4^^24 ∗}

Representatives :
[
   u^48*x^56 + u^6*x^52 + u^9*x^50 + u^7*x^49 + u^8*x^48 + u^23*x^44 + u^26*x^42 + u^22*x^41 + u^7*x^40 + u^49*x^38 + u^4*x^37 + u^2*x^36 + u^33*x^35 + u^44*x^34 + u^44*x^33 + u^12*x^32 +
       u^59*x^28 + u^58*x^26 + u^18*x^25 + u^57*x^24 + u^8*x^22 + u^44*x^21 + u^29*x^20 + u^39*x^19 + u^14*x^18 + u^25*x^17 + u^9*x^16 + u^37*x^14 + u^30*x^13 + u^15*x^12 + u^37*x^11 + u^35*x^10
       + u^8*x^9 + u^24*x^8 + u^48*x^7 + u^12*x^6 + u^58*x^4 + u^34*x^3 + u^41*x^2 + u^26*x,

   u^2*x^56 + u^47*x^52 + u^13*x^50 + u^56*x^49 + u^46*x^48 + u^13*x^44 + u^55*x^42 + u^33*x^41 + u^38*x^40 + u^37*x^38 + u^24*x^37 + u^16*x^36 + u^5*x^35 + u^10*x^34 + u^36*x^33 + u^35*x^32 +
       u^15*x^28 + u^49*x^26 + u^42*x^25 + u^13*x^24 + u^61*x^22 + u^14*x^21 + u^55*x^20 + u^28*x^19 + u^53*x^18 + u^30*x^17 + u^47*x^16 + u^12*x^14 + u^29*x^13 + u^40*x^12 + u^43*x^11 +
       u^32*x^10 + u^59*x^9 + u^53*x^8 + u^52*x^7 + u^22*x^6 + u^25*x^5 + u^5*x^4 + u^12*x^3 + u^3*x^2 + u^38*x,

   u^58*x^56 + u^33*x^52 + u^6*x^50 + u^45*x^49 + u^38*x^48 + u^7*x^44 + u^17*x^42 + u^38*x^41 + u^17*x^40 + u^37*x^38 + u^44*x^37 + u^16*x^36 + u^56*x^35 + u^53*x^34 + u^8*x^33 + u^21*x^32 +
       u^18*x^28 + u^60*x^26 + u^60*x^25 + u^15*x^24 + u^30*x^22 + u^42*x^21 + u^29*x^20 + u^42*x^19 + u^47*x^18 + u^35*x^17 + u^22*x^16 + u^33*x^14 + u^2*x^13 + u^40*x^12 + u^32*x^11 + u^61*x
       ^10
       + u^43*x^9 + u^42*x^8 + u^27*x^7 + u^57*x^6 + u^10*x^5 + u^30*x^4 + u^27*x^3 + u^44*x^2 + u^18*x,

   u^5*x^56 + u^26*x^52 + u^42*x^50 + u^18*x^49 + u^62*x^48 + u^45*x^44 + u^8*x^42 + u^11*x^41 + u^37*x^40 + u^8*x^38 + u^25*x^37 + u^24*x^36 + u^8*x^35 + u^37*x^34 + u^14*x^33 + u^42*x^32 +
       u^33*x^28 + u^16*x^26 + u^12*x^25 + u^53*x^24 + u^39*x^22 + u^20*x^21 + u^34*x^20 + u^3*x^19 + u^52*x^18 + u^47*x^16 + u^47*x^14 + u^30*x^13 + u^51*x^12 + u^6*x^11 + u^19*x^10 + u^31*x^9
       +
       u^58*x^8 + u^9*x^7 + u^26*x^6 + u^52*x^5 + u^19*x^4 + u^30*x^3 + u^13*x^2 + u^12*x,

   u^44*x^56 + u^37*x^52 + u^53*x^50 + u^27*x^49 + u^56*x^48 + u^34*x^44 + u^46*x^42 + u^45*x^41 + u^17*x^40 + u*x^38 + u^30*x^37 + u^61*x^36 + u^27*x^35 + u^7*x^34 + u^29*x^33 + u^42*x^32 +
       u^14*x^28 + u^13*x^26 + u^50*x^25 + u^61*x^24 + u^15*x^22 + u^35*x^21 + u^20*x^20 + u^59*x^19 + u^40*x^18 + u^55*x^17 + u^41*x^16 + u^28*x^14 + u^9*x^13 + u^40*x^12 + u^13*x^11 + u^27*x
       ^10
       + u^52*x^9 + u^13*x^8 + u^18*x^7 + u^25*x^6 + u^10*x^5 + u^40*x^4 + u^20*x^3 + u^19*x^2 + u^27*x,

   u*x^60 + u^45*x^58 + u^31*x^57 + u^29*x^56 + u^25*x^54 + u^56*x^53 + u^46*x^52 + u^28*x^51 + u*x^50 + u^32*x^49 + u^6*x^48 + u^21*x^46 + u^16*x^45 + u^38*x^44 + u^15*x^43 + u^35*x^42 +
       u^19*x^41 + u^19*x^40 + u^22*x^39 + u^36*x^38 + u^20*x^37 + u^21*x^36 + u^34*x^35 + u^26*x^34 + u^18*x^33 + u^40*x^32 + u^49*x^30 + u^8*x^29 + u^29*x^28 + u^61*x^27 + u^28*x^26 + u^56*x
       ^25
       + u^58*x^24 + u^59*x^23 + u^30*x^22 + u^14*x^21 + u^7*x^20 + u^47*x^19 + u^24*x^18 + u^8*x^17 + u^53*x^16 + u^10*x^15 + u^2*x^14 + u^2*x^13 + u^55*x^12 + u^54*x^11 + u^36*x^10 + u^24*x^9
       +
       u^12*x^8 + u^29*x^7 + u^22*x^6 + u^30*x^5 + u^32*x^4 + u^13*x^3 + u^36*x^2 + u^59*x,

   u^2*x^56 + u^40*x^52 + u^56*x^50 + u^12*x^49 + u^11*x^48 + u^44*x^44 + u^48*x^42 + u^53*x^41 + u^46*x^40 + u^12*x^38 + u^34*x^37 + u^46*x^36 + u^60*x^35 + u^43*x^34 + u^18*x^33 + u^51*x^32 +
       u^9*x^28 + u^18*x^26 + u*x^25 + u^16*x^24 + u^6*x^21 + u^57*x^20 + u^50*x^19 + u^15*x^18 + u^38*x^17 + u^51*x^16 + u^21*x^14 + u^26*x^13 + u^43*x^12 + u^41*x^11 + u^17*x^10 + u^48*x^9 +
       u^15*x^8 + u^26*x^7 + u^53*x^6 + u^23*x^5 + u^8*x^4 + u^34*x^3 + u^20*x^2 + u^59*x,

   u^8*x^56 + u^3*x^52 + u^39*x^50 + u^49*x^49 + u^47*x^48 + u^4*x^44 + u^25*x^42 + u^32*x^41 + u^29*x^40 + u^12*x^38 + u^50*x^37 + u^5*x^36 + u^44*x^35 + u^7*x^34 + u*x^33 + u^30*x^32 +
       u^21*x^28 + u^7*x^26 + u^3*x^25 + u^53*x^24 + u^32*x^22 + u^40*x^21 + u^42*x^20 + u^15*x^19 + u^61*x^18 + u^51*x^17 + u^34*x^16 + u^9*x^14 + u^40*x^13 + u^20*x^12 + u^55*x^11 + u^16*x^10
       +
       u^62*x^9 + u^47*x^8 + u^38*x^7 + u^10*x^6 + u^6*x^5 + u^31*x^4 + u^36*x^3 + u^54*x^2 + u^2*x,

   u^10*x^56 + u^61*x^52 + u^60*x^50 + u^4*x^49 + u^35*x^48 + u*x^44 + u^41*x^42 + u^4*x^41 + u^26*x^40 + u^13*x^38 + u^8*x^37 + u^11*x^36 + u^61*x^35 + u^49*x^34 + u^18*x^33 + u^9*x^32 +
       u^6*x^28 + u^14*x^26 + u^57*x^25 + u^13*x^24 + u^29*x^22 + u^14*x^21 + u^26*x^20 + u^28*x^19 + u^8*x^18 + u^50*x^17 + u^39*x^16 + u^52*x^14 + u^8*x^13 + u^10*x^12 + u^44*x^11 + u^42*x^10
       +
       u^13*x^9 + u^52*x^8 + u^13*x^7 + u^62*x^6 + u^41*x^5 + u^52*x^4 + u^59*x^3 + u^51*x^2 + u^32*x,

   u^34*x^56 + u^26*x^52 + u^21*x^50 + u^58*x^49 + u^39*x^48 + u^45*x^44 + u^31*x^42 + u^39*x^41 + u^27*x^38 + u^54*x^37 + u^48*x^36 + u^15*x^35 + u^60*x^34 + u^52*x^33 + u^44*x^32 + u^25*x^28 +
       u^56*x^26 + x^25 + u^58*x^24 + u^37*x^22 + u^40*x^21 + u^19*x^20 + u^26*x^19 + u^14*x^18 + u^38*x^17 + u^16*x^16 + u^32*x^14 + u^58*x^13 + u^43*x^12 + u^31*x^11 + u*x^10 + u^58*x^9 +
       u^57*x^8 + u^57*x^7 + u^55*x^6 + u^20*x^5 + u^31*x^4 + u^6*x^3 + u^22*x^2,

   u^62*x^60 + u^43*x^58 + u^29*x^57 + u^19*x^56 + u^23*x^54 + u^54*x^53 + u^11*x^52 + u^26*x^51 + u^26*x^50 + u^26*x^49 + u^58*x^48 + u^19*x^46 + u^14*x^45 + u^2*x^44 + u^13*x^43 + u^54*x^42 +
       u^43*x^41 + u^29*x^40 + u^20*x^39 + u^20*x^38 + x^37 + u^12*x^36 + u^12*x^35 + u^50*x^34 + u^32*x^33 + u^15*x^32 + u^47*x^30 + u^6*x^29 + u^35*x^28 + u^59*x^27 + u^3*x^26 + u^8*x^25 +
       u^2*x^24 + u^57*x^23 + u^22*x^22 + u^36*x^21 + u^27*x^20 + u^38*x^19 + u^26*x^18 + u^8*x^17 + u^57*x^16 + u^8*x^15 + u^13*x^14 + u^36*x^13 + u^20*x^12 + u^42*x^11 + u^3*x^10 + u^20*x^9 +
       u^51*x^8 + u^45*x^7 + u^47*x^6 + u^21*x^5 + u^8*x^3 + u^40*x^2 + u^22*x,

   u^43*x^56 + u^22*x^52 + u^4*x^50 + u^41*x^49 + u^21*x^48 + u^25*x^44 + u^36*x^42 + u*x^41 + u^38*x^40 + u^37*x^38 + u^32*x^37 + u^54*x^36 + u^47*x^35 + u^53*x^34 + u^62*x^33 + u^44*x^32 +
       u^3*x^28 + u^53*x^26 + u^39*x^25 + x^24 + u^26*x^22 + u^2*x^21 + u^49*x^20 + u^19*x^19 + u^22*x^18 + u^23*x^17 + u^18*x^16 + u^7*x^14 + u^23*x^13 + u^44*x^12 + u^38*x^11 + u^20*x^10 +
       u^50*x^9 + u^40*x^8 + u^21*x^7 + u^62*x^6 + u^47*x^5 + u^5*x^4 + u^43*x^3 + u^28*x^2 + u^33*x,

   u^50*x^60 + u^31*x^58 + u^17*x^57 + u^18*x^56 + u^11*x^54 + u^42*x^53 + u^48*x^52 + u^14*x^51 + u^61*x^50 + u^61*x^49 + u^10*x^48 + u^7*x^46 + u^2*x^45 + u^40*x^44 + u*x^43 + u^26*x^42 +
```

u^53*x^41 + u^8*x^40 + u^8*x^39 + u^35*x^38 + u^40*x^37 + u^4*x^36 + u^53*x^35 + u^55*x^34 + u^47*x^33 + u^32*x^32 + u^35*x^30 + u^57*x^29 + u^22*x^28 + u^47*x^27 + u^49*x^26 + u^57*x^25 + u^27*x^24 + u^45*x^23 + u^15*x^22 + u*x^21 + u^52*x^20 + u^48*x^19 + u^10*x^18 + u^32*x^17 + u^60*x^16 + u^59*x^15 + u^49*x^14 + u^9*x^13 + u^24*x^12 + u^13*x^10 + u^53*x^9 + u^62*x^8 + u^10*x^7 + u^45*x^6 + u^5*x^5 + u^52*x^4 + u^8*x^3 + u^14*x^2 + u^55*x,

u^55*x^56 + u^15*x^52 + u^35*x^50 + u^38*x^49 + u^17*x^48 + u^22*x^44 + u^28*x^42 + u^41*x^41 + u^30*x^40 + u^38*x^38 + u^4*x^37 + x^36 + u^61*x^35 + u^61*x^34 + u^23*x^33 + u^56*x^32 + u^43*x^28 + u^6*x^26 + u^17*x^25 + u^49*x^22 + u^42*x^21 + u^7*x^20 + u^59*x^19 + u^30*x^18 + u^35*x^17 + u^45*x^16 + u^48*x^14 + u^2*x^13 + u^56*x^12 + u^13*x^11 + u^48*x^10 + u^3*x^9 + u^33*x^8 + u^15*x^7 + u^22*x^6 + u^58*x^5 + u^32*x^4 + u^12*x^3 + u^46*x^2 + u^39*x,

u*x^60 + u^45*x^58 + u^31*x^57 + u^57*x^56 + u^25*x^54 + u^56*x^53 + u^36*x^52 + u^28*x^51 + u^32*x^50 + u^55*x^49 + u^7*x^48 + u^21*x^46 + u^16*x^45 + u^32*x^44 + u^15*x^43 + u^55*x^41 + u^28*x^40 + u^22*x^39 + u^51*x^38 + u^48*x^36 + u^30*x^35 + u^44*x^34 + u^9*x^33 + u^5*x^32 + u^49*x^30 + u^8*x^29 + u^50*x^28 + u^61*x^27 + u^23*x^26 + u^61*x^25 + u^4*x^24 + u^59*x^23 + u^61*x^22 + u^20*x^21 + u^34*x^20 + u^38*x^19 + u^15*x^18 + u*x^17 + u^32*x^16 + u^10*x^15 + u^2*x^14 + u^24*x^13 + u^52*x^12 + u^31*x^11 + u^14*x^10 + u^44*x^9 + u^15*x^8 + u^31*x^7 + u^31*x^6 + u^36*x^5 + u^33*x^4 + u^30*x^3 + u^62*x^2,

u^11*x^60 + u^55*x^58 + u^41*x^57 + x^56 + u^35*x^54 + u^3*x^53 + u^9*x^52 + u^38*x^51 + u^17*x^50 + u^49*x^49 + u^20*x^48 + u^31*x^46 + u^26*x^45 + u^55*x^44 + u^25*x^43 + u^56*x^42 + u^19*x^41 + u^42*x^40 + u^32*x^39 + u^31*x^38 + u^9*x^37 + u^34*x^36 + u^60*x^35 + u^38*x^34 + u^8*x^33 + u^41*x^32 + u^59*x^30 + u^18*x^29 + u^10*x^28 + u^8*x^27 + u^18*x^26 + x^25 + u^38*x^24 + u^6*x^23 + u^12*x^22 + u^47*x^21 + u^44*x^20 + u^5*x^19 + u^8*x^18 + u^59*x^17 + u^18*x^16 + u^20*x^15 + u^10*x^14 + x^12 + u^50*x^11 + u^55*x^10 + u^62*x^9 + u^10*x^8 + u^22*x^7 + u^28*x^6 + u^57*x^5 + u^17*x^4 + u^41*x^3 + u^24*x^2 + u^23*x,

u^8*x^60 + u^52*x^58 + u^38*x^57 + u^2*x^56 + u^32*x^54 + x^53 + u^34*x^52 + u^35*x^51 + u^42*x^50 + u^15*x^49 + u^62*x^48 + u^28*x^46 + u^23*x^45 + u^31*x^44 + u^22*x^43 + u^41*x^42 + u^51*x^41 + u^32*x^40 + u^29*x^39 + u^50*x^38 + u^55*x^37 + u^43*x^35 + u^7*x^34 + u^19*x^33 + u^51*x^32 + u^56*x^30 + u^15*x^29 + u^29*x^28 + u^5*x^27 + u^42*x^26 + u^20*x^25 + u^53*x^24 + u^3*x^23 + u^42*x^22 + u^53*x^21 + u^45*x^20 + u^39*x^19 + u^42*x^18 + u^35*x^17 + u^29*x^16 + u^17*x^15 + u^42*x^14 + u^15*x^13 + u^27*x^12 + u^39*x^11 + u^46*x^10 + u^32*x^9 + u^62*x^8 + u^52*x^7 + u^17*x^6 + u^58*x^5 + u^3*x^4 + u^31*x^3 + u^31*x^2 + u^12*x,

u*x^60 + u^45*x^58 + u^31*x^57 + u^30*x^56 + u^25*x^54 + u^56*x^53 + u^16*x^52 + u^28*x^51 + u^15*x^50 + u^9*x^49 + u^43*x^48 + u^21*x^46 + u^16*x^45 + u^21*x^44 + u^15*x^43 + u^60*x^42 + u^49*x^41 + u^33*x^40 + u^22*x^39 + u^9*x^38 + u^40*x^37 + u^46*x^36 + u^7*x^35 + u^13*x^34 + u^34*x^33 + u^57*x^32 + u^49*x^30 + u^8*x^29 + u^19*x^28 + u^61*x^27 + u^42*x^26 + u^45*x^25 + u^22*x^24 + u^59*x^23 + u^13*x^22 + u^15*x^21 + u^51*x^20 + u^61*x^19 + u^62*x^18 + u^23*x^17 + u^4*x^16 + u^10*x^15 + u^13*x^14 + u^62*x^13 + u^43*x^12 + u^23*x^11 + u^52*x^10 + u^45*x^9 + u^31*x^8 + u^48*x^7 + u^61*x^6 + u^52*x^5 + u^21*x^4 + u^3*x^3 + u^48*x^2 + u^22*x,

u^35*x^56 + u^58*x^52 + u^39*x^50 + u^58*x^49 + u^3*x^48 + u*x^44 + u^37*x^42 + u^9*x^41 + u^56*x^40 + u^46*x^38 + u^39*x^37 + u^61*x^35 + u^39*x^34 + u^37*x^33 + u^43*x^32 + u^46*x^28 + u^62*x^26 + u^49*x^25 + u^39*x^24 + u^5*x^22 + u^12*x^21 + u^2*x^20 + u^50*x^19 + u^49*x^18 + u^61*x^17 + u^25*x^16 + u^43*x^14 + u^10*x^13 + u^23*x^12 + u^45*x^11 + u^54*x^10 + u^60*x^9 + u^51*x^8 + u^11*x^7 + u^50*x^6 + u^58*x^5 + u^13*x^4 + u^52*x^3 + u^3*x^2 + u^46*x,

u^36*x^56 + u^37*x^52 + u^31*x^50 + u^8*x^49 + u^41*x^48 + u^31*x^44 + u^51*x^42 + u^61*x^41 + u^49*x^40 + u^18*x^38 + u^37*x^37 + u^49*x^36 + u^50*x^35 + u^48*x^34 + u^20*x^33 + u^11*x^32 + u^56*x^28 + u^3*x^26 + u^26*x^25 + u^49*x^24 + u^40*x^22 + u^52*x^21 + u^61*x^20 + u^13*x^19 + u^5*x^18 + u^45*x^17 + u^6*x^16 + u^2*x^14 + u^50*x^13 + u^2*x^12 + u^54*x^11 + u^11*x^10 + u^25*x^9 + u^48*x^8 + u^36*x^7 + u^27*x^6 + u^61*x^5 + u^10*x^4 + u^45*x^3 + u^62*x^2 + u^41*x,

u^50*x^56 + u^4*x^52 + u^30*x^50 + u^15*x^49 + u^24*x^48 + u^22*x^44 + u^48*x^42 + u^56*x^41 + u^54*x^40 + u^19*x^38 + u^13*x^37 + u^7*x^36 + u^39*x^35 + u^23*x^34 + u^36*x^33 + u^56*x^32 + u^15*x^28 + u^52*x^26 + u^61*x^25 + u^9*x^24 + u^10*x^22 + u^6*x^21 + u^44*x^20 + u^42*x^19 + u^53*x^18 + u^13*x^17 + u^39*x^16 + u^52*x^14 + u^60*x^13 + u^14*x^12 + u^21*x^11 + u^11*x^10 + u^46*x^9 + u^22*x^8 + u^13*x^7 + u^60*x^6 + u^30*x^5 + u^4*x^4 + u^28*x^3 + u^18*x^2 + u^51*x,

u^11*x^60 + u^55*x^58 + u^41*x^57 + u^22*x^56 + u^35*x^54 + u^3*x^53 + u^55*x^52 + u^38*x^51 + u^32*x^50 + u^59*x^49 + u^17*x^48 + u^31*x^46 + u^26*x^45 + u^42*x^44 + u^25*x^43 + u^40*x^42 + u^27*x^41 + u^28*x^40 + u^32*x^39 + u^2*x^38 + u^47*x^37 + u^15*x^36 + u^4*x^35 + u^52*x^34 + u^61*x^33 + u^59*x^30 + u^18*x^29 + u^52*x^28 + u^8*x^27 + u^15*x^26 + u^33*x^25 + u^39*x^24 + u^6*x^23 + u^34*x^22 + u^58*x^21 + u^21*x^20 + u^16*x^19 + u^11*x^18 + u^21*x^17 + u^28*x^16 + u^20*x^15 + u^38*x^14 + u^35*x^13 + u^42*x^12 + u^44*x^11 + u^31*x^10 + u^33*x^9 + u^21*x^8 + u^28*x^7 + u^42*x^6 + u^32*x^5 + u^51*x^4 + u^4*x^3 + u^58*x^2 + u^13*x,

u^30*x^56 + u^41*x^52 + u^36*x^50 + u^48*x^49 + u^49*x^48 + u^42*x^44 + u^56*x^42 + u^19*x^41 + u^17*x^40 + u^43*x^38 + u^42*x^37 + u^54*x^36 + u^48*x^35 + u^21*x^34 + u^30*x^33 + u^13*x^32 + u^21*x^28 + u^60*x^26 + u^62*x^25 + u^31*x^24 + u^2*x^22 + u^12*x^21 + u^19*x^20 + u^22*x^19 + u^19*x^18 + u^13*x^17 + u^4*x^16 + u^45*x^14 + u^52*x^13 + u^39*x^12 + u^35*x^11 + u^49*x^10 + u^28*x^9 + u^11*x^8 + u^17*x^7 + u^32*x^6 + u^5*x^5 + u^53*x^4 + u^60*x^3 + u^54*x^2 + u^56*x,

u^61*x^56 + u^18*x^52 + u^12*x^50 + u^35*x^49 + u*x^48 + u^33*x^44 + u^48*x^42 + u^43*x^41 + u^53*x^40 + u^5*x^38 + u^20*x^37 + u^32*x^36 + u^36*x^35 + u^38*x^34 + u^52*x^33 + u^45*x^32 + u^8*x^28 + u^2*x^26 + u^17*x^25 + u^48*x^24 + u^17*x^22 + u^46*x^21 + u^41*x^20 + u^29*x^19 + u^61*x^18 + u^52*x^17 + u^16*x^16 + u^53*x^14 + u^54*x^13 + u^48*x^12 + u^61*x^11 + u^12*x^10 + u^54*x^9 + u^20*x^8 + u^21*x^7 + u^26*x^6 + u^49*x^5 + u^11*x^4 + u^30*x^3 + u^58*x^2 + u^11*x,

u^8*x^60 + u^52*x^58 + u^38*x^57 + u^6*x^56 + u^32*x^54 + x^53 + u^35*x^52 + u^35*x^51 + u^42*x^50 + u^59*x^49 + u^47*x^48 + u^28*x^46 + u^23*x^45 + u^14*x^44 + u^22*x^43 + u^37*x^42 + u^49*x^41 + u^32*x^40 + u^29*x^39 + u^28*x^38 + u^14*x^37 + u^44*x^36 + u*x^35 + u^8*x^32 + u^56*x^30 + u^15*x^29 + u^16*x^28 + u^5*x^27 + x^26 + u^3*x^25 + u^50*x^24 + u^3*x^23 + u^35*x^22 + u^59*x^21 + u^35*x^20 + u^43*x^19 + u^59*x^18 + u^12*x^17 + u^2*x^16 + u^17*x^15 + u^24*x^14 + x^13 + u^6*x^12 + u^16*x^11 + u^14*x^10 + u^43*x^9 + u^20*x^8 + u^53*x^7 + x^6 + u^50*x^5 + u^38*x^4 + u^11*x^3 + u^14*x^2 + u^12*x,

u^10*x^56 + u^6*x^52 + u^16*x^50 + u^5*x^49 + u^44*x^48 + u^60*x^44 + u^19*x^42 + u^56*x^41 + u^51*x^40 + u^57*x^38 + u^14*x^37 + u^27*x^36 + u^31*x^35 + u^17*x^34 + u^19*x^33 + u*x^32 + u^8*x^28 + u^28*x^26 + x^25 + u^37*x^24 + u^50*x^22 + u^47*x^21 + u^32*x^20 + u^28*x^19 + u^18*x^18 + u^16*x^17 + u^6*x^16 + u^25*x^14 + u^60*x^13 + u^14*x^12 + u^6*x^11 + u^60*x^10 + u^15*x^9 + u^22*x^8 + u^17*x^7 + u^17*x^6 + u^27*x^5 + u^25*x^4 + u^57*x^3 + u^43*x^2 + u^19*x,

u^50*x^56 + u^19*x^52 + u^30*x^50 + u^7*x^49 + u^22*x^48 + u^43*x^44 + u^10*x^42 + u^40*x^41 + u^39*x^40 + u^56*x^38 + u^30*x^37 + u^48*x^36 + u^19*x^35 + u^33*x^34 + u^51*x^33 + u^47*x^32 + u^40*x^28 + u^51*x^26 + u^23*x^25 + u^53*x^24 + u^16*x^22 + u^30*x^21 + u^9*x^20 + u^16*x^19 + u^13*x^18 + u^46*x^17 + u^61*x^16 + u^46*x^14 + u^34*x^13 + u^25*x^12 + u^53*x^11 + u^43*x^10 + u^48*x^9 + u^43*x^8 + u^32*x^7 + u^13*x^6 + u^61*x^5 + u^14*x^4 + u^32*x^3 + u^53*x^2 + u^41*x,

u^11*x^56 + u^61*x^52 + u^33*x^50 + u^34*x^49 + u^40*x^48 + u^8*x^44 + u^8*x^42 + u^14*x^41 + u^47*x^40 + u^33*x^38 + u^48*x^37 + u^40*x^36 + u^60*x^35 + u^42*x^34 + u^37*x^33 + u^4*x^32 + u^46*x^28 + u^35*x^26 + u^35*x^25 + u^42*x^24 + u^52*x^22 + u^49*x^21 + u^56*x^20 + u^38*x^19 + u^4*x^18 + u^46*x^17 + u^14*x^16 + u^14*x^14 + u^45*x^13 + u^8*x^12 + u^43*x^11 + u^31*x^10 + u^56*x^9 + u^53*x^8 + u^42*x^7 + u^40*x^6 + u^53*x^5 + u^41*x^4 + u^39*x^3 + u^49*x^2 + u^37*x,

u^37*x^56 + u^15*x^52 + u^42*x^50 + u^38*x^49 + u^54*x^48 + u^34*x^44 + u^15*x^42 + u^22*x^41 + u^3*x^40 + u^11*x^38 + u^3*x^37 + u^21*x^36 + u^61*x^35 + u^53*x^34 + u^10*x^33 + u^22*x^32 + u^28*x^28 + u^17*x^26 + u^22*x^25 + u^25*x^24 + u^6*x^22 + u^23*x^21 + u^54*x^20 + u^4*x^19 + u^9*x^18 + u^7*x^17 + u^14*x^16 + u^4*x^14 + u^6*x^13 + u^16*x^12 + u^28*x^11 + u^57*x^10 + u^62*x^9 + u^2*x^8 + u^11*x^7 + u^38*x^6 + u*x^5 + u^62*x^4 + u^12*x^3 + u^22*x^2 + u^6*x,

u^60*x^56 + u^43*x^52 + u^7*x^50 + u^15*x^49 + u^41*x^48 + x^44 + u^43*x^42 + u^55*x^41 + u^32*x^40 + u^2*x^38 + u^14*x^37 + u^58*x^36 + u^51*x^35 + u^46*x^34 + u^34*x^33 + u^59*x^32 + u^57*x^28 + u^35*x^26 + u^58*x^25 + u^54*x^24 + u^46*x^22 + u^15*x^21 + u^51*x^20 + u^48*x^19 + u^44*x^18 + u^4*x^17 + u^49*x^16 + u^28*x^14 + u^17*x^13 + u^57*x^12 + u^26*x^11 + u^48*x^10 + u^4*x^9 + u^24*x^8 + u^37*x^7 + u^35*x^5 + u^40*x^4 + u^20*x^3 + u^48*x^2 + u^34*x,

u^30*x^56 + x^52 + u^6*x^50 + u^49*x^49 + u^38*x^48 + u^4*x^44 + u^30*x^42 + u^36*x^41 + u^22*x^40 + u^28*x^38 + u^56*x^37 + u^18*x^36 + u^9*x^35 + u^41*x^34 + u^49*x^33 + u^5*x^32 + u^7*x^28 + u^23*x^26 + u^16*x^25 + u^12*x^24 + u^13*x^22 + u^57*x^21 + u^6*x^20 + u^34*x^19 + u^23*x^18 + u^21*x^17 + u^55*x^16 + u^12*x^14 + u^11*x^13 + u^26*x^12 + u^49*x^11 + u^22*x^10 + u^57*x^9 + u^57*x^8 + u^60*x^7 + u^62*x^6 + u^41*x^5 + u^56*x^4 + u^8*x^3 + u^55*x^2 + u^12*x,

u^8*x^56 + u^59*x^52 + u^22*x^50 + u^36*x^49 + u^23*x^48 + u^40*x^44 + u^16*x^42 + u^44*x^41 + u^21*x^40 + u^50*x^38 + u^34*x^37 + u^18*x^36 + u^40*x^35 + u^49*x^34 + u^37*x^33 + u^33*x^32 + u^20*x^28 + u^59*x^26 + u^14*x^25 + u^51*x^24 + u^31*x^22 + u^46*x^21 + u^4*x^20 + u^39*x^19 + u^62*x^18 + u^2*x^17 + u^20*x^16 + u^3*x^14 + u^25*x^13 + u^48*x^12 + u^30*x^11 + u^61*x^10 + u^13*x^9 + u^16*x^8 + u^48*x^7 + u^17*x^6 + u^58*x^5 + u^59*x^4 + u^22*x^3 + u^30*x^2 + u^25*x,

u^44*x^56 + u^52*x^52 + u^25*x^50 + u^23*x^49 + u^8*x^48 + u^57*x^44 + u^35*x^42 + u^26*x^41 + u^18*x^40 + u^15*x^38 + u^45*x^37 + u^37*x^36 + u^21*x^35 + u^30*x^34 + x^33 + u^59*x^32 + u^30*x^28 + u^48*x^26 + u^61*x^25 + u^60*x^24 + u^54*x^22 + u^21*x^21 + u^52*x^20 + u^36*x^19 + u^47*x^18 + u^42*x^17 + u^23*x^16 + u^49*x^14 + u^30*x^13 + u^20*x^12 + u^24*x^11 + u^38*x^10 + u^43*x^9 + u^16*x^8 + u^8*x^7 + x^6 + u^61*x^5 + u^15*x^4 + u^27*x^3 + u^49*x^2 + u^56*x,

u^24*x^56 + u^13*x^52 + u^12*x^50 + u^25*x^49 + u^19*x^48 + u^54*x^44 + u^45*x^42 + u^58*x^41 + u^37*x^40 + u^8*x^38 + u^21*x^37 + u^43*x^36 + u^22*x^35 + u^24*x^34 + u^9*x^33 + u^53*x^32 + u^57*x^28 + u^55*x^26 + u^26*x^25 + u^18*x^24 + u^2*x^22 + u^57*x^21 + u^4*x^20 + u^32*x^19 + u^31*x^18 + u^8*x^17 + u^37*x^16 + u^53*x^14 + u^26*x^13 + u^26*x^12 + u^60*x^11 + u^32*x^10 + u^62*x^9 + u^9*x^8 + u^37*x^7 + u^16*x^6 + u^23*x^5 + u^28*x^4 + u^37*x^3 + u^14*x^2 + u^26*x,

u^19*x^56 + u^14*x^52 + u^47*x^50 + x^49 + u^36*x^48 + u^38*x^44 + u^56*x^42 + u^2*x^41 + u^12*x^40 + u^27*x^38 + u^26*x^37 + u^25*x^36 + u^25*x^35 + u^62*x^34 + u^54*x^33 + u^46*x^32 + u^37*x^28 + u^13*x^26 + u^48*x^25 + u^60*x^24 + u*x^22 + u^10*x^21 + u^27*x^20 + u^50*x^19 + u^53*x^18 + u^32*x^16 + u^53*x^14 + u^18*x^13 + u^11*x^12 + u^2*x^11 + u^28*x^10 + u^37*x^9 + u^35*x^8 + u^13*x^7 + u^62*x^6 + u^24*x^5 + u^18*x^4 + u^12*x^3 + u^4*x^2 + u^50*x,

u^25*x^60 + u^6*x^58 + u^55*x^57 + u^34*x^56 + u^49*x^54 + u^17*x^53 + u^56*x^52 + u^52*x^51 + u^33*x^50 + u^44*x^49 + u^38*x^48 + u^45*x^46 + u^40*x^45 + u^35*x^44 + u^39*x^43 + u^31*x^42 + u^37*x^41 + u^48*x^40 + u^46*x^39 + u^26*x^38 + u^13*x^37 + u^60*x^36 + u^22*x^35 + u^52*x^34 + x^33 + u^48*x^32 + u^10*x^30 + u^32*x^29 + u^16*x^28 + u^22*x^27 + u^4*x^26 + u^55*x^25 + u^28*x^24 + u^20*x^23 + u^5*x^22 + u^43*x^21 + u^32*x^20 + u^10*x^19 + u^50*x^18 + u^32*x^17 + u^7*x^16 + u^34*x^15 + u^29*x^14 + u^17*x^13 + u^43*x^12 + u^53*x^11 + u^54*x^10 + u^12*x^9
+
u^12*x^8 + u^22*x^7 + u^5*x^6 + u^4*x^5 + u^6*x^4 + u^30*x^3 + u^19*x^2 + u^40*x,

u*x^60 + u^45*x^58 + u^31*x^57 + u^53*x^56 + u^25*x^54 + u^56*x^53 + u^10*x^52 + u^28*x^51 + u^18*x^50 + u^20*x^49 + u^49*x^48 + u^21*x^46 + u^16*x^45 + u^62*x^44 + u^15*x^43 + u^13*x^42 + u^27*x^41 + x^40 + u^22*x^39 + u^17*x^38 + u^22*x^37 + u^3*x^36 + u^15*x^35 + u^38*x^34 + u^52*x^33 + u^34*x^32 + u^49*x^30 + u^8*x^29 + u^53*x^28 + u^61*x^27 + u^37*x^26 + u^55*x^25 + u^30*x^24 + u^59*x^23 + u^39*x^22 + u^39*x^21 + u^23*x^20 + u^5*x^19 + u^14*x^18 + u^18*x^17 + u^50*x^16 + u^10*x^15 + u^57*x^14 + u^40*x^13 + u^16*x^12 + u^48*x^11 + u^25*x^10 + u^27*x^9 + u^57*x^8 + u^49*x^7 + u^11*x^6 + u^40*x^5 + u^20*x^4 + u^11*x^3 + u^57*x^2 + u^53*x,

u^50*x^60 + u^31*x^58 + u^17*x^57 + u^45*x^56 + u^11*x^54 + u^42*x^53 + u^17*x^52 + u^14*x^51 + u^24*x^50 + u^14*x^49 + u^8*x^48 + u^7*x^46 + u^2*x^45 + u^48*x^44 + u*x^43 + u^5*x^42 + u^5*x^41 + u^42*x^40 + u^8*x^39 + u^27*x^38 + u^47*x^37 + u^18*x^36 + u*x^35 + u^3*x^34 + u^36*x^33 + u^5*x^32 + u^35*x^30 + u^57*x^29 + x^28 + u^47*x^27 + u^17*x^26 + u^61*x^25 + u^10*x^24 + u^45*x^23 + u^36*x^22 + u*x^21 + u^17*x^20 + u^49*x^19 + u^34*x^18 + u^62*x^17 + u^21*x^16 + u^59*x^15 + u^49*x^14 + u^25*x^13 + u^50*x^12 + u^52*x^11 + u^62*x^10 + u^39*x^9 + u^19*x^8 + u^52*x^7 + x^6 + u^30*x^5 + x^4 + u^59*x^3 + u^37*x^2 + u^21*x,

u^30*x^56 + u^38*x^52 + u^4*x^50 + u^23*x^49 + u^3*x^48 + u^23*x^44 + u^10*x^42 + u^8*x^41 + u^12*x^40 + u^27*x^38 + u^29*x^37 + u^14*x^36 + u^20*x^35 + u^56*x^34 + u^34*x^33 + u^40*x^32 + u^31*x^28 + u^31*x^26 + u^17*x^25 + u^41*x^24 + u^6*x^22 + u^8*x^21 + u^46*x^20 + u^57*x^19 + u^46*x^18 + u^6*x^17 + u^19*x^16 + u^15*x^14 + u^56*x^13 + u^46*x^12 + u^59*x^11 + u^25*x^10
+
u^28*x^9 + u^44*x^8 + u^37*x^7 + u^28*x^6 + u^7*x^5 + u^46*x^4 + u^18*x^3 + u^16*x^2 + u^55*x,

u^61*x^56 + u^30*x^52 + u^17*x^50 + u^5*x^49 + u^9*x^48 + u^6*x^44 + u^24*x^42 + u^55*x^41 + u^30*x^38 + u^31*x^37 + u^19*x^36 + u^53*x^35 + u^2*x^34 + u^16*x^33 + u^50*x^32 + u^34*x^28 + u^19*x^26 + u^61*x^25 + u^48*x^24 + u^52*x^22 + u^49*x^21 + u^8*x^20 + u^57*x^19 + u^22*x^18 + u^48*x^17 + u^5*x^16 + u^44*x^14 + u^50*x^13 + u^2*x^12 + u^42*x^11 + u^7*x^10 + u^55*x^9 + u^56*x^8 + u^40*x^7 + u^17*x^6 + u^12*x^5 + u^38*x^4 + u^61*x^3 + u^29*x^2 + u^30*x,

u^59*x^56 + u^56*x^52 + u^62*x^50 + u^60*x^49 + u^12*x^48 + u^62*x^44 + u^12*x^42 + u^8*x^41 + u^36*x^40 + u^16*x^38 + u^15*x^37 + x^36 + u^31*x^35 + u^48*x^34 + u^14*x^33 + u^27*x^32 + u^36*x^28 + u^57*x^26 + u^35*x^25 + u^40*x^24 + u^14*x^22 + u^30*x^21 + u^3*x^20 + u^44*x^19 + u^36*x^18 + u^41*x^17 + u^18*x^16 + u^48*x^14 + u^37*x^13 + u^61*x^12 + u^9*x^11 + u^13*x^10 + u^52*x^9 + u^17*x^8 + u^15*x^7 + u^10*x^6 + u^51*x^5 + u^12*x^4 + u^10*x^3 + u^61*x^2 + u^61*x,

u^50*x^56 + u^31*x^52 + u^27*x^50 + u^20*x^49 + u^17*x^48 + u^44*x^44 + u^13*x^42 + u^43*x^41 + u^47*x^38 + u^26*x^37 + u^24*x^36 + u^62*x^35 + u^2*x^34 + u^16*x^33 + u^49*x^32 + u^16*x^28 + u^19*x^26 + u^8*x^25 + u^59*x^24 + u^31*x^22 + u^56*x^21 + u^52*x^20 + u^15*x^19 + u^35*x^18 + u^56*x^17 + u^47*x^16 + u^42*x^14 + u^24*x^13 + u^2*x^12 + u^15*x^11 + u^45*x^10 + u^17*x^9
+
u^41*x^8 + u^22*x^7 + u^40*x^6 + u^55*x^5 + u^24*x^4 + u^55*x^3 + u^17*x^2 + u^29*x,

u^12*x^56 + u^32*x^52 + u^36*x^50 + u^25*x^49 + u*x^48 + u^61*x^44 + u^56*x^42 + u^57*x^41 + u^41*x^40 + u^24*x^38 + u^3*x^37 + u^14*x^36 + u^58*x^35 + u^18*x^34 + u^45*x^33 + u^26*x^32 + u^13*x^28 + u^27*x^26 + u^11*x^25 + u^36*x^24 + u^20*x^22 + u^44*x^21 + u^26*x^20 + u^13*x^19 + u^59*x^18 + u^61*x^17 + u^7*x^16 + u^60*x^14 + u^48*x^13 + u^57*x^12 + u^39*x^11 + u^26*x^10
+ u^36*x^9 + u^29*x^8 + u^42*x^7 + u^31*x^6 + u^61*x^5 + u^57*x^4 + u^38*x^3 + u^28*x^2 + u^53*x,

u^58*x^56 + u^11*x^52 + u^45*x^50 + u^38*x^49 + u^35*x^48 + u^44*x^44 + u^33*x^42 + u^59*x^41 + u^29*x^40 + u^22*x^38 + u*x^37 + u^41*x^36 + u^51*x^35 + u^31*x^34 + u^53*x^33 + u^2*x^28 + u^21*x^26 + u^3*x^25 + u^54*x^24 + u^16*x^22 + u^38*x^21 + u^17*x^20 + u^37*x^19 + u^22*x^18 + u^3*x^17 + u^33*x^16 + u^51*x^14 + u^19*x^13 + u^46*x^12 + u^58*x^11 + u^62*x^10 + u^30*x^9
+
u^12*x^8 + u^9*x^7 + u^47*x^6 + u^34*x^5 + u^32*x^4 + u^53*x^3 + u^17*x^2 + u^26*x,

u^10*x^60 + u^54*x^58 + u^40*x^57 + u^6*x^56 + u^34*x^54 + u^2*x^53 + u^55*x^52 + u^37*x^51 + u^41*x^50 + u^11*x^49 + u^8*x^48 + u^30*x^46 + u^25*x^45 + u^46*x^44 + u^24*x^43 + u^24*x^42 + u^14*x^41 + u^31*x^39 + u^7*x^38 + u^54*x^37 + u^55*x^36 + u^39*x^35 + u*x^34 + u^57*x^33 + u^8*x^32 + u^58*x^30 + u^17*x^29 + u^36*x^28 + u^7*x^27 + u^14*x^26 + u^14*x^25 + u^2*x^24 + u^5*x^23 + u^8*x^22 + u^21*x^21 + u^9*x^20 + u^56*x^19 + u^13*x^18 + u^46*x^17 + u^54*x^16 + u^19*x^15 + u^12*x^14 + u^51*x^13 + u^31*x^12 + u^30*x^11 + u^26*x^10 + u^52*x^9 + u^62*x^8 + u^60*x^7 + u^42*x^6 + u^48*x^5 + u^9*x^4 + u^19*x^3 + u^35*x^2 + u^26*x,

u^62*x^60 + u^43*x^58 + u^29*x^57 + u^16*x^56 + u^23*x^54 + u^54*x^53 + u^57*x^52 + u^26*x^51 + u^37*x^50 + u^8*x^49 + u^13*x^48 + u^19*x^46 + u^14*x^45 + u^33*x^44 + u^13*x^43 + u^42*x^42 + u^16*x^41 + u^14*x^40 + u^20*x^39 + u^52*x^38 + u^13*x^37 + u^50*x^36 + u^6*x^35 + u^19*x^34 + u^61*x^33 + u^55*x^32 + u^47*x^30 + u^6*x^29 + u^51*x^28 + u^59*x^27 + u^49*x^26 + u^26*x^25 + u^42*x^24 + u^57*x^23 + u^33*x^22 + u^18*x^21 + u^12*x^20 + u^23*x^19 + u^45*x^18 + u^39*x^17 + u^24*x^16 + u^8*x^15 + x^14 + u^55*x^13 + u^52*x^12 + u^28*x^11 + u^26*x^10 + u^33*x^9 + u^51*x^8 + u^56*x^7 + u^15*x^6 + u^8*x^5 + u^39*x^4 + u^26*x^3 + u*x^2 + u^45*x,

u^51*x^56 + u*x^52 + u^22*x^50 + u^18*x^49 + u^45*x^48 + x^44 + u^60*x^42 + u^4*x^41 + u^52*x^40 + u^56*x^38 + u^43*x^37 + u^44*x^36 + u^58*x^35 + u^5*x^34 + u^47*x^33 + u^5*x^32 + u^32*x^28
+
u^39*x^26 + u^54*x^25 + u^2*x^24 + u^31*x^22 + u^54*x^21 + x^20 + u^22*x^19 + u^39*x^18 + u^4*x^17 + u^62*x^16 + u^61*x^14 + u^50*x^13 + u^5*x^12 + u^5*x^11 + u^23*x^10 + u^11*x^9 +
u^19*x^8 + u^14*x^7 + u^35*x^6 + u^19*x^5 + u^26*x^4 + u^61*x^3 + u^56*x^2 + u^45*x,

u^47*x^56 + u^32*x^52 + u^46*x^50 + u^57*x^49 + u^57*x^48 + u^5*x^44 + u^6*x^42 + u^31*x^41 + u^14*x^40 + u^52*x^38 + u^49*x^37 + u^2*x^36 + u^38*x^35 + u^52*x^33 + u^36*x^32 + u^43*x^28 + u^51*x^26 + u^31*x^25 + u^60*x^24 + u^46*x^22 + u^12*x^21 + u^24*x^20 + u^23*x^19 + u^59*x^18 + u^58*x^17 + u^60*x^16 + u^36*x^14 + u^30*x^13 + u^50*x^12 + u^7*x^11 + u^6*x^10 + u^17*x^9
+
u^7*x^8 + u^23*x^7 + u^61*x^6 + u^55*x^5 + u^4*x^4 + u^26*x^3 + u^10*x^2 + u^48*x,

u^60*x^56 + u^33*x^52 + u^37*x^50 + u^32*x^49 + u^58*x^48 + u^31*x^44 + u^60*x^42 + u^42*x^41 + u^9*x^40 + u^32*x^38 + u^22*x^37 + u^8*x^36 + u^15*x^35 + u^26*x^34 + u^37*x^33 + u^30*x^32 + u^13*x^28 + u^52*x^26 + u^60*x^25 + u^11*x^24 + u^53*x^22 + u^19*x^21 + u^15*x^20 + u^7*x^19 + u^28*x^18 + u^19*x^17 + u^10*x^16 + u^24*x^14 + u^32*x^13 + u^7*x^12 + u^35*x^11 + u^36*x^10
+ u^60*x^9 + u^49*x^8 + u^7*x^7 + u^40*x^6 + u^51*x^5 + u^28*x^4 + u^10*x^3 + u^27*x^2 + u^57*x,

u^59*x^56 + u^42*x^52 + u^54*x^50 + u^55*x^49 + u^10*x^48 + u^35*x^44 + u^22*x^42 + u^55*x^41 + u^39*x^40 + u^22*x^38 + u^33*x^37 + u^58*x^36 + x^35 + u^49*x^34 + u^12*x^33 + u^35*x^32 + u^22*x^28 + u^17*x^26 + u^51*x^25 + u^7*x^24 + u^4*x^22 + u^44*x^21 + u^37*x^20 + u^19*x^19 + u^6*x^18 + u^29*x^17 + u^62*x^16 + u^19*x^14 + u^10*x^13 + u^22*x^12 + u^21*x^11 + u^26*x^10
+
u^4*x^9 + u^6*x^8 + u^10*x^7 + u^6*x^6 + u^11*x^5 + u^49*x^4 + u*x^3 + u^13*x^2 + u^14*x,

u^11*x^60 + u^55*x^58 + u^41*x^57 + u^20*x^56 + u^35*x^54 + u^3*x^53 + u^7*x^52 + u^38*x^51 + u^43*x^50 + u^29*x^49 + u^30*x^48 + u^31*x^46 + u^26*x^45 + u^14*x^44 + u^25*x^43 + x^42 + u^21*x^41 + u^36*x^40 + u^32*x^39 + x^38 + u^50*x^37 + u^11*x^36 + u^60*x^35 + u^44*x^34 + u^17*x^33 + u^27*x^32 + u^59*x^30 + u^18*x^29 + u*x^28 + u^8*x^27 + u^59*x^26 + u^8*x^25 + u^7*x^24 + u^6*x^23 + u^12*x^22 + u^44*x^21 + u^20*x^20 + u^61*x^19 + u^9*x^18 + u^54*x^17 + u^20*x^15 + u^30*x^14 + u^49*x^13 + u^18*x^12 + u^54*x^11 + u^58*x^10 + u^39*x^9 + u^61*x^8 + u^57*x^7 + u^58*x^6 + u^56*x^5 + u^26*x^4 + u^18*x^3 + u^35*x^2 + u^11*x,

u^42*x^56 + u^49*x^52 + u^54*x^50 + u^24*x^49 + u^55*x^44 + u^36*x^42 + u^28*x^41 + u^43*x^40 + u^13*x^38 + u^10*x^37 + u^60*x^36 + u^26*x^35 + u*x^34 + u^21*x^33 + u^41*x^32 + u^4*x^28 + u^46*x^26 + u^54*x^25 + u^60*x^24 + u^22*x^22 + u^26*x^21 + u^16*x^20 + u^35*x^19 + u^33*x^18 + u^11*x^17 + u^26*x^16 + u^47*x^14 + u^39*x^13 + u^20*x^12 + u^24*x^11 + u^12*x^10 + u^39*x^9
+ u^58*x^8 + u^15*x^7 + u^13*x^6 + u^43*x^5 + u^44*x^4 + u^38*x^3 + u^40*x^2 + u^49*x,

u^61*x^56 + u^51*x^52 + u^23*x^50 + u^58*x^49 + u^58*x^48 + u^10*x^44 + u^3*x^42 + u^57*x^41 + u^8*x^40 + u^53*x^38 + u^60*x^37 + u^14*x^36 + u^31*x^35 + u^21*x^34 + u^34*x^33 + u^26*x^32 + u^41*x^28 + u^56*x^26 + u^49*x^25 + u^40*x^24 + u^14*x^21 + u^31*x^20 + u^30*x^19 + u^18*x^18 + u^19*x^17 + u^10*x^16 + u^41*x^14 + u^29*x^13 + u^16*x^12 + u^23*x^11 + u^29*x^10 + u^59*x^9
+ u^57*x^8 + u^33*x^7 + u^17*x^6 + u^57*x^5 + u^62*x^4 + u^53*x^3 + u^3*x^2 + u^58*x,

u^43*x^56 + u^45*x^52 + u^44*x^50 + u^14*x^49 + u^29*x^48 + u^3*x^42 + u^6*x^41 + u^28*x^40 + u^37*x^38 + u^36*x^37 + u^16*x^36 + u^44*x^35 + u^40*x^34 + u^33*x^33 + u^40*x^32 + u^25*x^28 + u^8*x^26 + u^49*x^25 + u^50*x^24 + u^40*x^22 + u^38*x^20 + u^17*x^19 + u^33*x^18 + u^56*x^17 + u^7*x^16 + x^14 + u^31*x^13 + u^10*x^12 + u^56*x^11 + u^6*x^10 + u^23*x^9 + u^23*x^8 + u^40*x^7 + u^51*x^6 + u^12*x^5 + u^52*x^4 + u^35*x^3 + u^6*x^2 + u^24*x,

u^10*x^60 + u^54*x^58 + u^40*x^57 + u^60*x^56 + u^34*x^54 + u^2*x^53 + u^23*x^52 + u^37*x^51 + u^50*x^50 + u^14*x^49 + u^16*x^48 + u^30*x^46 + u^25*x^45 + u^48*x^44 + u^24*x^43 + u^35*x^42 + u^39*x^41 + u^32*x^40 + u^31*x^39 + u^28*x^38 + u^43*x^37 + u^36*x^36 + u^14*x^35 + u^5*x^34 + u^34*x^33 + u^15*x^32 + u^58*x^30 + u^17*x^29 + u^23*x^28 + u^7*x^27 + u^4*x^26 + u^50*x^25
+
u^55*x^24 + u^5*x^23 + u^44*x^22 + u^7*x^21 + x^20 + u^57*x^19 + u^28*x^18 + u^40*x^17 + u^20*x^16 + u^19*x^15 + u^43*x^14 + u^46*x^13 + u^31*x^12 + u^43*x^11 + u^45*x^10 + u^11*x^9 +
u^49*x^8 + u^11*x^7 + u^20*x^6 + u^58*x^5 + u^28*x^4 + u^6*x^3 + u^62*x^2 + u^11*x,

u^9*x^56 + u^57*x^52 + u^36*x^50 + u^34*x^49 + u^21*x^48 + u^15*x^44 + u^52*x^42 + u^7*x^41 + u^57*x^40 + u^52*x^38 + u^6*x^37 + u^44*x^36 + u^26*x^35 + u^24*x^34 + u^20*x^33 + u^50*x^32 + u^23*x^28 + u^62*x^26 + u^30*x^25 + u^3*x^24 + u^45*x^22 + u^7*x^21 + u^33*x^20 + x^19 + u^52*x^18 + u^19*x^17 + u^28*x^16 + u^9*x^14 + u^27*x^13 + u^12*x^12 + u^46*x^11 + u^37*x^10 + u^8*x^9 + u^32*x^8 + u^31*x^7 + u^23*x^6 + u^36*x^5 + u^5*x^4 + u^18*x^3 + u^53*x^2 + u^59*x,

u^24*x^60 + u^5*x^58 + u^54*x^57 + u^41*x^56 + u^48*x^54 + u^16*x^53 + u^26*x^52 + u^51*x^51 + u^24*x^50 + u^14*x^49 + u^50*x^48 + u^44*x^46 + u^39*x^45 + u^50*x^44 + u^38*x^43 + u^15*x^42 + u^31*x^41 + u^13*x^40 + u^45*x^39 + u^37*x^38 + u^23*x^37 + u^3*x^36 + u^32*x^35 + u^53*x^34 + u^55*x^33 + u^15*x^32 + u^9*x^30 + u^31*x^29 + u^62*x^28 + u^21*x^27 + u^13*x^26 + u^42*x^25 + u^11*x^24 + u^19*x^23 + u^50*x^22 + u^2*x^21 + u^34*x^20 + u^39*x^19 + u^34*x^18 + u^16*x^17 + u^31*x^16 + u^33*x^15 + u^49*x^14 + u^14*x^13 + u^22*x^12 + u^8*x^11 + u^61*x^10 + u^9*x^9 + u^2*x^8 + u^32*x^7 + u^34*x^5 + u^40*x^4 + u^54*x^3 + u^33*x^2 + u^46*x,

u^25*x^60 + u^6*x^58 + u^55*x^57 + u^45*x^56 + u^49*x^54 + u^17*x^53 + u^51*x^52 + u^52*x^51 + u^49*x^50 + u^10*x^49 + u^48*x^48 + u^45*x^46 + u^40*x^45 + u^54*x^44 + u^39*x^43 + u^57*x^42 + u^4*x^41 + u^61*x^40 + u^46*x^39 + u^46*x^38 + u^41*x^36 + u^20*x^35 + u^17*x^34 + u^46*x^33 + u^2*x^32 + u^10*x^30 + u^32*x^29 + u^46*x^28 + u^22*x^27 + u^24*x^26 + u^29*x^25 + u^20*x^24

```
+ u^20*x^23 + u^13*x^22 + u^19*x^21 + u^60*x^20 + u^56*x^19 + u^48*x^18 + u^8*x^17 + u^39*x^16 + u^34*x^15 + u^12*x^14 + u^9*x^13 + u^8*x^12 + u^38*x^11 + u^4*x^10 + u^55*x^9 + u^14*x^8 +
    u^40*x^7 + u^19*x^6 + u^58*x^5 + u^41*x^4 + u^12*x^3 + u^23*x^2 ,

u^19*x^52 + u^11*x^50 + u^39*x^49 + u^51*x^48 + u^51*x^44 + u^59*x^42 + x^41 + u^21*x^40 + u^6*x^38 + u^60*x^37 + u^35*x^36 + u^19*x^35 + u^33*x^34 + u^15*x^33 + u^42*x^32 + u^51*x^28 +
    u^17*x^26 + u^40*x^25 + u*x^24 + u^40*x^22 + u^15*x^21 + u^35*x^20 + u^14*x^19 + u^48*x^18 + u^36*x^17 + u^51*x^16 + u^40*x^14 + u^2*x^13 + u^54*x^12 + u^34*x^11 + u^43*x^10 + u^51*x^9 +
    u^9*x^8 + u^15*x^7 + u^60*x^6 + u^52*x^5 + u^16*x^4 + u^20*x^2 ,

u^31*x^56 + u^40*x^52 + x^50 + u*x^49 + u^18*x^48 + u^4*x^44 + u^35*x^42 + u^19*x^41 + u^55*x^40 + u^8*x^38 + u^30*x^37 + u^11*x^36 + u^5*x^35 + u^12*x^34 + u^17*x^33 + u^39*x^32 + u^37*x^28
    +
    u^31*x^26 + u^7*x^25 + u^11*x^24 + u^16*x^22 + u^29*x^21 + u^7*x^20 + u^11*x^19 + u^24*x^18 + u^48*x^17 + u^36*x^16 + u^62*x^14 + u^50*x^13 + u^27*x^12 + u^35*x^11 + u^38*x^10 + u^29*x^9
    +
    u^38*x^8 + u^18*x^7 + u^45*x^6 + u^47*x^5 + u^7*x^4 + u^20*x^3 + u^46*x^2 + u^32*x ,

u^42*x^56 + u^36*x^52 + u^26*x^50 + u^23*x^49 + u^41*x^48 + u*x^44 + u^24*x^42 + u^34*x^41 + u^51*x^40 + u^31*x^38 + u^21*x^37 + x^36 + u^55*x^35 + u^42*x^34 + u^61*x^33 + u^37*x^32 + u^2*x
    ^28
    + u^50*x^26 + u^61*x^25 + u^41*x^24 + u^20*x^22 + u^34*x^21 + u^2*x^20 + u^52*x^19 + u^32*x^18 + u^22*x^17 + u^18*x^16 + u^3*x^14 + u^38*x^13 + u^61*x^12 + u^13*x^11 + u^27*x^9 + u^5*x^8
    +
    u^41*x^6 + u^32*x^5 + u^22*x^4 + u^59*x^3 + x^2 + u^37*x ,

u^62*x^60 + u^43*x^58 + u^29*x^57 + u^5*x^56 + u^23*x^54 + u^54*x^53 + u^15*x^52 + u^26*x^51 + u^33*x^50 + u^44*x^49 + u^56*x^48 + u^19*x^46 + u^14*x^45 + u^38*x^44 + u^13*x^43 + u^33*x^42 +
    u^57*x^41 + u^35*x^40 + u^20*x^39 + u^6*x^38 + u^62*x^37 + u^14*x^36 + u^52*x^35 + u^47*x^34 + u^33*x^33 + u^6*x^32 + u^47*x^30 + u^6*x^29 + u^40*x^28 + u^59*x^27 + u^38*x^26 + u^7*x^25 +
    u^36*x^24 + u^57*x^23 + x^22 + u^34*x^21 + u^49*x^20 + u^62*x^19 + u^60*x^18 + u^7*x^17 + u^10*x^16 + u^8*x^15 + u^11*x^14 + u*x^13 + u^31*x^12 + u^11*x^11 + u^12*x^10 + u^11*x^8 +
    u^24*x^7 + u^41*x^6 + u^4*x^5 + u^34*x^4 + u^6*x^3 + u^27*x^2 + u^20*x ,

u^16*x^56 + u^13*x^52 + u^46*x^50 + u^58*x^49 + u^19*x^48 + u^19*x^44 + u^42*x^42 + u^44*x^41 + u^18*x^40 + u^32*x^38 + u^8*x^37 + u^46*x^36 + u^12*x^35 + u^14*x^34 + u^35*x^33 + u^14*x^32 +
    u^59*x^28 + u^56*x^26 + u^5*x^25 + u^54*x^24 + u^55*x^22 + u^9*x^21 + u^6*x^20 + u^5*x^19 + u^2*x^18 + u^3*x^17 + u^3*x^16 + u^60*x^14 + u^13*x^13 + u^22*x^12 + u^37*x^11 + u^54*x^10 +
    u^21*x^9 + u^56*x^8 + u^60*x^7 + u^35*x^6 + u^36*x^5 + u^25*x^4 + u^43*x^3 + u^33*x^2 + u^18*x ,

u^19*x^56 + u^11*x^52 + u^10*x^50 + u^3*x^49 + u^32*x^48 + u^17*x^44 + u^37*x^42 + u^2*x^41 + u^30*x^40 + u^38*x^38 + u^35*x^37 + u^33*x^36 + u^49*x^35 + u^62*x^34 + u^13*x^33 + u^30*x^32 +
    u^9*x^28 + u^18*x^26 + u^50*x^25 + u^37*x^24 + u^53*x^22 + u^9*x^21 + u^6*x^20 + u^10*x^19 + u^43*x^18 + u^25*x^17 + u^3*x^16 + u^10*x^14 + u^16*x^13 + u^40*x^12 + u^56*x^11 + u^31*x^10 +
    u^10*x^9 + u^33*x^8 + u^39*x^7 + u^48*x^6 + u^23*x^5 + u^46*x^4 + u^7*x^3 + u^27*x^2 + u^39*x ,

u^37*x^56 + u^48*x^52 + u^25*x^50 + u^33*x^49 + u^59*x^48 + u^18*x^44 + u^33*x^42 + u^49*x^41 + u^10*x^40 + u^56*x^38 + u^4*x^37 + u^39*x^36 + u^4*x^35 + u^33*x^34 + u^33*x^33 + u^22*x^32 +
    u^33*x^28 + u^32*x^26 + u^61*x^25 + u^17*x^24 + u^44*x^22 + u^58*x^21 + u^56*x^20 + u^29*x^19 + u^42*x^18 + u^16*x^16 + u^21*x^14 + u^22*x^13 + u^11*x^12 + u*x^11 + u^59*x^10 + u^36*x^9 +
    u^10*x^8 + u^59*x^7 + u^46*x^6 + u^51*x^5 + u^23*x^4 + u^27*x^3 + u^42*x^2 + u^24*x ,

u^30*x^56 + u^17*x^52 + u^19*x^50 + u^29*x^49 + u^60*x^48 + u^28*x^44 + u^49*x^42 + u^37*x^41 + u^26*x^40 + u^35*x^38 + u^51*x^37 + u^48*x^36 + u^17*x^35 + u^37*x^34 + u^10*x^33 + u^53*x^32 +
    u^20*x^28 + u^13*x^26 + u^19*x^25 + u^39*x^24 + u^55*x^22 + u^54*x^20 + u^42*x^19 + u^13*x^18 + u^32*x^17 + u^26*x^16 + u^39*x^14 + u^11*x^13 + u^42*x^12 + u^28*x^11 + u^57*x^10 + u^25*x
    ^9
    + u^48*x^8 + u^6*x^7 + u^43*x^6 + u^6*x^5 + u^44*x^4 + u^35*x^3 + u^57*x^2 + u^41*x ,

u^62*x^60 + u^43*x^58 + u^29*x^57 + u^5*x^56 + u^23*x^54 + u^54*x^53 + u^54*x^52 + u^26*x^51 + u^40*x^50 + u^8*x^49 + u^14*x^48 + u^19*x^46 + u^14*x^45 + u^48*x^44 + u^13*x^43 + u^36*x^42 +
    u^25*x^41 + u^41*x^40 + u^20*x^39 + u^4*x^38 + u^21*x^37 + u^61*x^36 + u^6*x^35 + u^6*x^34 + u^34*x^33 + u^9*x^32 + u^47*x^30 + u^6*x^29 + u^40*x^28 + u^59*x^27 + u^56*x^26 + u^35*x^25 +
    u^6*x^24 + u^57*x^23 + u^34*x^22 + u^30*x^21 + u^36*x^20 + u^60*x^19 + u^42*x^18 + u^6*x^17 + u^49*x^16 + u^8*x^15 + u^5*x^14 + u^61*x^13 + u^13*x^12 + u^25*x^11 + u^51*x^10 + u^11*x^9 +
    u^20*x^8 + u^34*x^7 + u^22*x^6 + u^62*x^5 + u^25*x^4 + u^42*x^3 + u^16*x^2 + u^25*x ,

u^4*x^56 + u^42*x^52 + u^61*x^50 + u^43*x^49 + u^57*x^48 + u^59*x^44 + u^20*x^42 + u^47*x^41 + u^62*x^40 + u^30*x^38 + u^31*x^36 + u^4*x^35 + u*x^34 + u^58*x^33 + u^35*x^32 + u^54*x^28 +
    u^55*x^26 + u^22*x^25 + u^26*x^24 + u^48*x^22 + u^46*x^21 + u^49*x^20 + u^11*x^19 + u^14*x^18 + u^61*x^17 + u^6*x^16 + u^3*x^14 + u^8*x^13 + u^31*x^12 + u*x^11 + u^19*x^10 + u^32*x^9 +
    u^19*x^8 + u^56*x^7 + u^59*x^6 + u^21*x^5 + u^60*x^4 + u^12*x^3 + u^20*x^2 + u^52*x ,

u^13*x^56 + u^60*x^52 + u^25*x^50 + u^7*x^49 + u^9*x^48 + u^9*x^44 + u^39*x^42 + u^12*x^41 + x^40 + u^50*x^38 + u^54*x^37 + u^8*x^36 + u^16*x^35 + u^41*x^34 + u^27*x^33 + u^2*x^32 + u^8*x^28
    +
    u^4*x^26 + u^36*x^25 + u^45*x^24 + u^3*x^22 + u^62*x^21 + u^56*x^20 + u^8*x^19 + u^12*x^18 + u^20*x^17 + u^4*x^16 + u^60*x^14 + u^57*x^13 + u*x^12 + u^35*x^11 + u^13*x^10 + u^31*x^9 +
    u^22*x^8 + u^35*x^7 + u^38*x^6 + u^58*x^5 + u^36*x^4 + u^13*x^3 + u^31*x^2 + u^12*x ,

u^30*x^56 + u^43*x^52 + u^10*x^50 + u^26*x^49 + u^2*x^48 + u^15*x^44 + u^27*x^41 + u^39*x^40 + u^56*x^38 + u^41*x^36 + u^30*x^35 + u^53*x^34 + u^62*x^33 + u^9*x^32 + u^61*x^28 + u^35*x^26 +
    u^22*x^25 + u^51*x^24 + u^34*x^22 + u^49*x^20 + u^30*x^19 + u^43*x^18 + u^52*x^17 + u^57*x^16 + u^19*x^14 + u^8*x^13 + u^10*x^12 + u^17*x^11 + u^4*x^10 + u*x^9 + u^26*x^8 + u^23*x^7 +
    u^6*x^6 + u^61*x^5 + u^38*x^4 + u^31*x^3 + u^60*x^2 + u^34*x ,

u^32*x^56 + u^8*x^52 + u^19*x^50 + u^23*x^49 + u^6*x^48 + u^5*x^44 + u^49*x^42 + u^48*x^41 + u^8*x^40 + x^38 + u^15*x^37 + u^19*x^36 + u^23*x^35 + u^60*x^34 + u^34*x^33 + u^52*x^32 + u^41*x
    ^28
    + u^8*x^26 + u^19*x^25 + u^13*x^24 + u^51*x^22 + u^17*x^21 + u^35*x^20 + u^41*x^19 + u*x^18 + u^16*x^16 + u^20*x^14 + u^15*x^13 + u^15*x^12 + u^28*x^11 + u^16*x^10 + u^18*x^9 + u^16*x^8 +
    u^15*x^7 + x^6 + u^14*x^5 + u^46*x^4 + u^10*x^3 + u^19*x^2 + u^21*x ,

u^54*x^56 + u^19*x^52 + u^2*x^50 + u^57*x^49 + u^12*x^48 + u^57*x^44 + u^32*x^42 + u^55*x^41 + u^7*x^40 + u^58*x^38 + u^17*x^37 + u^15*x^36 + u^36*x^35 + u^30*x^34 + u^29*x^33 + u^3*x^32 +
    u^51*x^28 + u^7*x^26 + u^5*x^25 + u^49*x^24 + u^16*x^22 + u^14*x^21 + u^51*x^20 + u^13*x^19 + u^11*x^18 + u^33*x^17 + u^2*x^16 + u^56*x^14 + u^28*x^13 + u^29*x^12 + u^29*x^11 + u^37*x^10
    +
    u^14*x^9 + u^24*x^8 + u^40*x^7 + u^7*x^6 + u^5*x^5 + u^35*x^4 + u^39*x^3 + u^50*x^2 + u*x ,

u^35*x^56 + u^11*x^52 + u^30*x^50 + u^40*x^49 + u^35*x^48 + u^38*x^44 + u^29*x^42 + u^8*x^41 + u^12*x^40 + u^35*x^38 + x^37 + u^37*x^36 + u^46*x^35 + u^26*x^34 + u^39*x^33 + u^13*x^32 +
    u^17*x^28 + u^35*x^26 + u^22*x^25 + u*x^24 + u^28*x^22 + u^24*x^21 + u^62*x^20 + u^29*x^19 + u^19*x^18 + u^10*x^17 + u^22*x^16 + u^52*x^14 + u^29*x^13 + u^37*x^12 + u^42*x^11 + u^42*x^10
    +
    u^9*x^9 + u^43*x^8 + u^28*x^7 + u^39*x^6 + u^32*x^5 + u^24*x^4 + x^3 + u^8*x^2 + u^22*x ,

u^39*x^56 + u^55*x^52 + u^6*x^50 + u^39*x^49 + u^47*x^48 + u^37*x^44 + u^13*x^42 + u^60*x^41 + u^25*x^40 + u^17*x^38 + u^43*x^37 + u^58*x^36 + u^49*x^34 + u^32*x^33 + u^14*x^32 + u^57*x^28 +
    u^27*x^26 + u^52*x^25 + u^20*x^24 + u^59*x^22 + u^42*x^21 + u^18*x^20 + u^15*x^19 + u^31*x^18 + u^42*x^17 + u^62*x^16 + u^45*x^14 + u^5*x^13 + u^43*x^12 + u^42*x^11 + u^48*x^10 + u^34*x^9
    + u^61*x^8 + u^47*x^7 + u^26*x^6 + u^28*x^5 + u^13*x^4 + u^31*x^3 + u^11*x^2 + u^28*x ,

u^62*x^60 + u^43*x^58 + u^29*x^57 + u^32*x^56 + u^23*x^54 + u^54*x^53 + u*x^52 + u^26*x^51 + u^16*x^50 + u^17*x^49 + u^31*x^48 + u^19*x^46 + u^14*x^45 + u^61*x^44 + u^13*x^43 + u^50*x^42 +
    u^52*x^41 + u^31*x^40 + u^20*x^39 + u^11*x^38 + u^8*x^37 + u^8*x^36 + u^5*x^35 + u^22*x^34 + u^27*x^33 + u^53*x^32 + u^47*x^30 + u^6*x^29 + u^36*x^28 + u^59*x^27 + u^51*x^26 + u^62*x^25 +
    u^48*x^24 + u^57*x^23 + u^35*x^22 + u^36*x^21 + x^20 + u^7*x^19 + u^27*x^18 + u^13*x^17 + u^58*x^16 + u^8*x^15 + u^28*x^14 + u^37*x^13 + u^52*x^12 + u^3*x^11 + u^18*x^10 + u^25*x^9 +
    u^18*x^8 + u^40*x^7 + u^16*x^5 + u^51*x^4 + u^27*x^3 + u^57*x^2 + u^2*x ,

u^38*x^56 + u^33*x^52 + u^30*x^50 + u^45*x^49 + u^4*x^48 + u^31*x^44 + u^14*x^42 + u^38*x^41 + u^9*x^40 + u^60*x^38 + u^21*x^37 + u^49*x^36 + u^42*x^35 + u^32*x^34 + u^6*x^33 + u^53*x^32 +
    u^7*x^28 + u^20*x^26 + u^45*x^25 + u^46*x^24 + u^59*x^22 + u^52*x^21 + u^14*x^20 + u^14*x^19 + u^42*x^18 + u^46*x^17 + u^49*x^16 + u^46*x^14 + u^14*x^13 + u^53*x^12 + u^30*x^11 + u^49*x
    ^10
    + u^27*x^9 + u^8*x^8 + u^30*x^7 + u^18*x^6 + u^54*x^5 + u^58*x^4 + u^56*x^3 + u^14*x^2 + u^46*x ,

u^25*x^40 + u^23*x^34 + u^9*x^33 + u^6*x^20 + u^48*x^12 + u^52*x^9 + u^34*x^6 ,

u^13*x^56 + u^31*x^52 + u^17*x^50 + u^29*x^49 + u^20*x^48 + u^49*x^44 + u^29*x^42 + u^55*x^41 + u^35*x^40 + u^20*x^38 + u^32*x^37 + u^53*x^36 + u^17*x^35 + u^30*x^34 + u^20*x^33 + u^37*x^32 +
    u^36*x^28 + u^52*x^26 + u^16*x^25 + u^52*x^24 + u^22*x^22 + u^4*x^21 + u^51*x^20 + u^14*x^19 + u^27*x^18 + u^15*x^17 + u^62*x^14 + u^37*x^13 + u^62*x^12 + u^15*x^11 + u^47*x^10 + u^19*x^9
    + u^9*x^8 + u^15*x^7 + u^50*x^6 + u^32*x^5 + u^37*x^4 + u^61*x^3 + u^49*x^2 + u^44*x ,

u^14*x^56 + u^4*x^52 + u^23*x^50 + u^28*x^49 + u^26*x^48 + u^53*x^44 + u^11*x^42 + u^35*x^41 + u^57*x^40 + u^22*x^38 + u^8*x^37 + u^54*x^36 + u^30*x^35 + u^19*x^34 + u^18*x^33 + u^29*x^32 +
    u^19*x^28 + u^35*x^26 + u^2*x^25 + u^45*x^24 + u^22*x^22 + u^54*x^21 + u^28*x^20 + u^40*x^19 + u^22*x^18 + u^10*x^17 + u^29*x^16 + u^34*x^14 + u^16*x^13 + u^53*x^12 + u^11*x^11 + u^57*x
    ^10
    + u^51*x^9 + u^56*x^8 + u^15*x^7 + u^26*x^6 + u^13*x^5 + u^35*x^4 + u^61*x^3 + u^12*x^2 + u^36*x ,

u^58*x^56 + u^40*x^52 + u^18*x^50 + u^32*x^49 + u^42*x^48 + u^32*x^44 + u^3*x^42 + u^17*x^41 + u^48*x^40 + u^15*x^38 + u^43*x^37 + u^29*x^36 + u^15*x^35 + u^8*x^34 + u^27*x^33 + u^3*x^32 +
    u^31*x^28 + x^26 + u^23*x^25 + u^12*x^24 + u^59*x^22 + u^12*x^21 + u^32*x^20 + u^44*x^19 + u^58*x^18 + u^43*x^17 + u^48*x^16 + u^50*x^14 + u^59*x^13 + u^60*x^12 + u^32*x^11 + u^17*x^10 +
    u^43*x^9 + u^12*x^8 + u^9*x^7 + u^25*x^6 + u^18*x^5 + u^25*x^4 + u^45*x^3 + u^27*x^2 + u^12*x ,

u^62*x^60 + u^43*x^58 + u^29*x^57 + u^46*x^56 + u^23*x^54 + u^54*x^53 + u^45*x^52 + u^26*x^51 + u^18*x^50 + u^55*x^49 + u^22*x^48 + u^19*x^46 + u^14*x^45 + u^16*x^44 + u^13*x^43 + u^23*x^42 +
    u^15*x^41 + u^38*x^40 + u^20*x^39 + u^54*x^38 + u^14*x^37 + u^24*x^36 + u*x^35 + u^33*x^34 + u^57*x^33 + u*x^32 + u^47*x^30 + u^6*x^29 + u^4*x^28 + u^59*x^27 + u^33*x^26 + u^34*x^25 +
    u^49*x^24 + u^57*x^23 + u^36*x^22 + u^28*x^21 + u^31*x^20 + u^59*x^19 + u^46*x^18 + u^20*x^17 + u^31*x^16 + u^8*x^15 + u^57*x^14 + u^61*x^13 + u^33*x^12 + u^42*x^11 + u^55*x^10 + u^23*x^9
    + u^55*x^8 + u^54*x^7 + u^50*x^6 + u^53*x^5 + u^10*x^4 + u^11*x^3 + u^9*x^2 + u^37*x ,

u^4*x^60 + u^48*x^58 + u^34*x^57 + u^4*x^56 + u^28*x^54 + u^59*x^53 + u^21*x^52 + u^31*x^51 + u^33*x^50 + u^17*x^49 + u^34*x^48 + u^24*x^46 + u^19*x^45 + u^12*x^44 + u^18*x^43 + u^62*x^42 +
```

```
     u^48*x^41 + u^4*x^40 + u^25*x^39 + u^26*x^38 + u^57*x^37 + u^61*x^36 + u^40*x^35 + u^5*x^34 + u^29*x^33 + u^55*x^32 + u^52*x^30 + u^11*x^29 + u^2*x^28 + u*x^27 + u^13*x^26 + u^36*x^25 +
     u^26*x^24 + u^62*x^23 + u^34*x^22 + u^59*x^21 + u^18*x^20 + u^35*x^19 + u^14*x^18 + u^11*x^17 + u^32*x^16 + u^13*x^15 + u^62*x^14 + u^45*x^13 + u^54*x^12 + u^22*x^11 + u^21*x^10 + u^16*x
     ^9
     + u^16*x^8 + u^2*x^7 + u^42*x^6 + u^5*x^5 + u^5*x^4 + u^7*x^3 + u^26*x^2 + u^20*x,

     u^12*x^56 + u^3*x^52 + u^58*x^50 + u^62*x^49 + u^11*x^48 + u^43*x^44 + u^43*x^42 + u^47*x^41 + u^43*x^40 + u^50*x^38 + u^56*x^37 + u^49*x^36 + u^48*x^35 + u^45*x^34 + u^52*x^33 + u^60*x^32 +
     u^43*x^28 + u^44*x^26 + u^8*x^25 + u^5*x^24 + u^52*x^22 + u^60*x^20 + x^19 + u^33*x^18 + u^49*x^16 + u^25*x^14 + u^6*x^13 + u^14*x^12 + u^52*x^11 + u^5*x^10 + u^21*x^9 + u^38*x^8 +
     u^19*x^7 + u^57*x^6 + u^56*x^5 + u^33*x^4 + u^29*x^2 + u^49*x,

     u^36*x^56 + u^18*x^52 + u^20*x^50 + u^61*x^49 + u^38*x^48 + u^9*x^42 + u^16*x^41 + u^26*x^40 + u^45*x^38 + u^39*x^37 + u^39*x^36 + u^53*x^35 + u^20*x^34 + u^30*x^33 + u^29*x^32 + u^43*x^28 +
     u^21*x^26 + u^60*x^25 + u*x^24 + u^41*x^22 + u^33*x^21 + u^38*x^20 + u^24*x^18 + u^36*x^17 + u^50*x^16 + u^6*x^14 + u^24*x^13 + u^44*x^12 + u^32*x^11 + u^8*x^10 + u^35*x^9 + u^15*x^8 +
     u^12*x^7 + u^2*x^6 + u^23*x^5 + u^16*x^4 + u^15*x^3 + u^59*x^2 + u^36*x,

     u^44*x^56 + u^13*x^52 + u^48*x^50 + u^17*x^49 + u^61*x^48 + u^44*x^44 + u^27*x^42 + u^59*x^41 + u^21*x^40 + u^58*x^38 + u^55*x^37 + u^49*x^36 + u^37*x^35 + u^27*x^34 + u^46*x^33 + u^17*x^32 +
     u^50*x^28 + u^30*x^26 + u^37*x^25 + u^13*x^24 + u^51*x^22 + u^59*x^21 + u^23*x^20 + u^13*x^19 + u^61*x^18 + u^15*x^17 + u^46*x^16 + u^4*x^14 + u^38*x^13 + u^27*x^12 + u^51*x^11 + u^41*x
     ^10
     + u^14*x^9 + u^18*x^8 + u^28*x^7 + u^56*x^6 + u^16*x^5 + u^53*x^4 + u^55*x^3 + u^25*x^2 + u^54*x,

     u^17*x^56 + u^25*x^52 + u^24*x^50 + u^38*x^49 + u^13*x^48 + u^33*x^44 + u^51*x^42 + u^42*x^41 + u^38*x^40 + u^42*x^38 + u^21*x^37 + u^55*x^36 + u^34*x^35 + u^51*x^34 + u^7*x^33 + u^19*x^32 +
     u^13*x^28 + u*x^26 + u^9*x^25 + u^3*x^24 + u^3*x^22 + u^28*x^21 + u^39*x^20 + u^8*x^19 + u^21*x^18 + u^28*x^17 + u^16*x^16 + u^17*x^14 + u^56*x^13 + u^57*x^12 + u^44*x^11 + u^47*x^10 +
     u^50*x^9 + u^9*x^8 + u^57*x^7 + u^54*x^6 + u^32*x^5 + u^27*x^4 + u^14*x^3 + u^32*x^2 + u^5*x,

     u^33*x^56 + u^38*x^52 + u^45*x^50 + u^34*x^49 + u^58*x^48 + u^38*x^44 + u^20*x^42 + u^50*x^41 + u^5*x^40 + u^52*x^38 + u^60*x^37 + u^32*x^36 + u^3*x^35 + u^15*x^34 + u^37*x^33 + u^5*x^32 +
     u^19*x^28 + u^34*x^26 + u^47*x^25 + u^7*x^24 + u^45*x^22 + u^8*x^21 + u^27*x^20 + u^40*x^19 + u^23*x^18 + u^47*x^17 + u^37*x^16 + u^38*x^14 + u^59*x^13 + x^12 + u^15*x^11 + u^38*x^10 +
     u^3*x^9 + u^48*x^8 + u^21*x^7 + u^61*x^6 + u^55*x^5 + u^57*x^4 + u^54*x^3 + u^8*x^2 + u^52*x,

     u^25*x^60 + u^6*x^58 + u^55*x^57 + u^59*x^56 + u^49*x^54 + u^17*x^53 + u^38*x^52 + u^52*x^51 + u^26*x^50 + u^48*x^49 + u^31*x^48 + u^45*x^46 + u^40*x^45 + u^17*x^44 + u^39*x^43 + u^21*x^42 +
     u^25*x^41 + u^25*x^40 + u^46*x^39 + u^29*x^38 + u^10*x^36 + u^55*x^35 + u^33*x^33 + u^19*x^32 + u^10*x^30 + u^32*x^29 + u^25*x^28 + u^22*x^27 + u^22*x^26 + u^16*x^25 + u^32*x^24 +
     u^20*x^23 + u^18*x^22 + u^7*x^21 + u^23*x^20 + u^16*x^19 + u^40*x^18 + u^9*x^17 + u^21*x^16 + u^34*x^15 + u^54*x^14 + u^12*x^13 + u^34*x^12 + u^39*x^11 + u^39*x^10 + u^60*x^9 + u*x^8 +
     u^59*x^7 + u^23*x^6 + u^37*x^5 + u^26*x^4 + u^18*x^3 + u^37*x^2,

     u^39*x^56 + u*x^52 + x^50 + u^58*x^49 + u^29*x^48 + u^12*x^44 + u^8*x^41 + u^16*x^40 + u^31*x^38 + u^37*x^37 + u^43*x^36 + u^62*x^35 + u^32*x^34 + u^41*x^33 + u^38*x^32 + u^36*x^28 + u^36*x
     ^26
     + u^19*x^25 + u^56*x^24 + u^59*x^21 + u^43*x^20 + u^42*x^19 + u^12*x^18 + u^55*x^17 + u^44*x^16 + u^18*x^14 + u^13*x^13 + u^38*x^12 + u^13*x^11 + u^41*x^10 + u^36*x^9 + x^8 + u^43*x^7 +
     u^4*x^6 + u^15*x^5 + u^19*x^4 + u^52*x^3 + u^2*x^2 + u^37*x,

     u^47*x^56 + u^54*x^52 + u^62*x^50 + u^30*x^49 + u^24*x^48 + u^51*x^44 + u^41*x^42 + u^12*x^41 + u^55*x^40 + u^3*x^38 + u^60*x^37 + u^23*x^36 + u^27*x^35 + u^54*x^34 + u^12*x^33 + u^35*x^32 +
     u^35*x^28 + u^59*x^26 + u^11*x^25 + u^13*x^24 + u^20*x^22 + u^62*x^21 + u^61*x^20 + u^59*x^19 + u^3*x^18 + u^8*x^17 + u^5*x^16 + x^14 + u^41*x^13 + u^58*x^12 + u^24*x^11 + u^48*x^10 +
     u^24*x^9 + u^43*x^8 + u^26*x^7 + u^44*x^6 + u^54*x^5 + u^30*x^4 + u^51*x^3 + u^49*x^2 + u^53*x,

     u^59*x^56 + u^49*x^52 + u^32*x^50 + u^49*x^49 + u^29*x^48 + u^12*x^44 + u^45*x^42 + u^22*x^41 + x^40 + u^26*x^38 + u^43*x^37 + u^37*x^36 + u^53*x^35 + u^16*x^34 + u^6*x^33 + u^27*x^32 +
     u^61*x^28 + u^33*x^26 + u^58*x^25 + u^39*x^24 + u^57*x^22 + u^40*x^21 + u^14*x^20 + u*x^19 + u^36*x^18 + u^36*x^17 + u^57*x^16 + u^61*x^14 + u^7*x^13 + u^62*x^12 + u^21*x^11 + u^60*x^10 +
     u^46*x^9 + u^57*x^8 + u^42*x^7 + u^32*x^6 + u^22*x^5 + u^17*x^4 + u^27*x^3 + u^45*x^2 + u^26*x
];


Function:
x^9 + u^4*(x^10 + x^18) + u^9*(x^12 + x^20 + x^40),


#EA-Classes: 86

Degrees: {* 2, 3^^69, 4^^16 *}

Representatives:
[
     u^52*x^56 + x^50 + u^48*x^49 + u^12*x^48 + u^50*x^44 + u^2*x^42 + u^32*x^41 + u^49*x^40 + u^56*x^38 + u^33*x^37 + u^45*x^36 + u^3*x^35 + u^52*x^34 + u^26*x^33 + u^9*x^32 + u^25*x^28 +
     u^62*x^26 + u^11*x^25 + u^34*x^24 + u^60*x^22 + u^47*x^21 + u^24*x^20 + u^6*x^19 + u^34*x^18 + u^38*x^17 + u^21*x^16 + u^49*x^14 + u^46*x^13 + u^18*x^12 + u^31*x^11 + u^38*x^10 + x^9 +
     u^37*x^8 + u^25*x^7 + u^51*x^6 + u^24*x^5 + u^19*x^4 + u^61*x^3 + u^29*x^2 + u^24*x,

     u^42*x^56 + u^7*x^52 + u^17*x^50 + u^50*x^49 + u^43*x^48 + u^28*x^42 + u^49*x^41 + u^58*x^40 + u^41*x^38 + u^37*x^37 + u^52*x^36 + u^46*x^35 + u^30*x^34 + u^13*x^33 + u^13*x^32 + u^50*x^28 +
     u^56*x^26 + u^35*x^25 + x^24 + u^62*x^22 + u^33*x^21 + u^41*x^20 + u^33*x^19 + u^59*x^18 + u*x^17 + u^26*x^16 + u^34*x^14 + u^11*x^13 + u^53*x^12 + u^18*x^11 + u^54*x^10 + u^56*x^9 +
     u^52*x^8 + u^49*x^7 + x^6 + u^6*x^5 + u^46*x^4 + u^22*x^3 + u^30*x^2 + u^57*x,

     u^36*x^56 + u^37*x^52 + u^7*x^50 + u^58*x^49 + u^37*x^48 + u^51*x^44 + u^52*x^42 + u^33*x^41 + u^61*x^40 + u^42*x^38 + u^30*x^37 + u^57*x^36 + u^23*x^35 + u^34*x^34 + u^17*x^33 + u^6*x^32 +
     u^20*x^28 + u^8*x^26 + u^62*x^25 + u^50*x^24 + u^24*x^22 + u^46*x^21 + u^33*x^19 + u^18*x^18 + u^45*x^17 + u^62*x^16 + u^32*x^14 + u^60*x^13 + u^34*x^12 + u^8*x^11 + u^32*x^10 + u^3*x^9 +
     u^26*x^8 + x^7 + u^48*x^6 + u^47*x^5 + u^23*x^4 + u*x^3 + u^51*x^2 + u^33*x,

     u^25*x^56 + u^16*x^52 + u^17*x^50 + u^57*x^49 + u^2*x^48 + u^2*x^44 + u^36*x^42 + u^7*x^41 + u^10*x^40 + u^12*x^38 + u^60*x^37 + u^36*x^36 + u^19*x^35 + u^8*x^34 + u^51*x^33 + u^40*x^32 +
     u^15*x^28 + u^30*x^26 + u*x^25 + u^13*x^24 + u^38*x^22 + u^5*x^21 + u^24*x^20 + u^35*x^19 + u^17*x^18 + u^5*x^17 + u^62*x^16 + u^52*x^14 + u^38*x^13 + u^41*x^12 + u^41*x^11 + u^7*x^10 +
     u^10*x^9 + u^29*x^8 + u^49*x^7 + u^16*x^6 + u^13*x^5 + u^58*x^4 + u^8*x^3 + u^46*x^2 + u^8*x,

     u^47*x^60 + u^28*x^58 + u^14*x^57 + u^19*x^56 + u^8*x^54 + u^39*x^53 + u^59*x^52 + u^11*x^51 + u^49*x^50 + u^43*x^49 + u^27*x^48 + u^4*x^46 + u^62*x^45 + u^53*x^44 + u^61*x^43 + u^38*x^42 +
     u^3*x^41 + u^40*x^40 + u^5*x^39 + u^59*x^38 + u^46*x^37 + u^28*x^36 + u^47*x^35 + u^51*x^34 + u*x^33 + u^32*x^32 + u^32*x^30 + u^54*x^29 + u^11*x^28 + u^44*x^27 + u^33*x^26 + u^32*x^25 +
     u^3*x^24 + u^42*x^23 + u^50*x^22 + u^21*x^21 + u^18*x^20 + u^28*x^19 + u^51*x^18 + u^12*x^17 + u^54*x^16 + u^56*x^15 + u^21*x^14 + u^60*x^13 + u^23*x^12 + u^47*x^11 + u^10*x^10 + u^49*x^9
     + u^58*x^8 + u^49*x^7 + u^32*x^6 + u^30*x^5 + u^45*x^4 + u^59*x^2 + u^52*x,

     u^42*x^56 + u^2*x^52 + u^21*x^50 + u^11*x^49 + u^8*x^48 + u^27*x^44 + u^42*x^42 + u^53*x^41 + u^46*x^40 + u^10*x^38 + u^45*x^37 + u^7*x^36 + u^20*x^35 + u^55*x^34 + u^52*x^33 + u^50*x^32 +
     u^40*x^28 + u^28*x^26 + u^12*x^25 + u^48*x^22 + u^48*x^21 + u^36*x^20 + u^9*x^19 + u*x^18 + u*x^17 + u^30*x^16 + u^62*x^14 + u^22*x^13 + u^58*x^12 + u^53*x^11 + u^51*x^10 + x^9 + u^39*x^8
     + u^28*x^7 + u^12*x^6 + u^45*x^5 + u^45*x^4 + u^46*x^3 + u^61*x^2 + u^35*x,

     u^12*x^56 + u^34*x^52 + u^53*x^50 + u^55*x^49 + u^59*x^48 + u*x^44 + u^25*x^42 + u^44*x^41 + u^21*x^40 + u^8*x^38 + u^17*x^37 + u^2*x^36 + u^12*x^35 + u^39*x^34 + u^31*x^33 + u^42*x^32 +
     u^24*x^28 + u^11*x^26 + u^9*x^25 + u^8*x^24 + u^59*x^22 + u^49*x^21 + u^16*x^20 + u^14*x^19 + u^12*x^18 + u^52*x^17 + u^13*x^16 + u^61*x^13 + x^12 + u^55*x^11 + u^9*x^10 + u^40*x^9 +
     u^12*x^8 + u^61*x^7 + u^19*x^6 + u^21*x^5 + u^28*x^4 + u^53*x^3 + u^14*x^2 + u^36*x,

     u^30*x^60 + u^11*x^58 + u^60*x^57 + u^27*x^56 + u^54*x^54 + u^22*x^53 + u^31*x^52 + u^57*x^51 + u^47*x^50 + u^8*x^49 + u^52*x^48 + u^50*x^46 + u^45*x^45 + u^37*x^44 + u^44*x^43 + u^33*x^42 +
     u^17*x^41 + u^17*x^40 + u^51*x^39 + u^25*x^38 + u*x^37 + u^44*x^36 + u^23*x^35 + u^20*x^34 + u^56*x^33 + u^14*x^32 + u^15*x^30 + u^37*x^29 + u^28*x^28 + u^27*x^27 + u^16*x^26 + u^37*x^25
     +
     x^24 + u^25*x^23 + u^31*x^22 + u^4*x^21 + u^46*x^20 + u^21*x^19 + u^21*x^18 + u^27*x^17 + u^26*x^16 + u^39*x^15 + u^39*x^14 + u^59*x^13 + u^24*x^12 + u^3*x^11 + u^21*x^9 + u^17*x^8 +
     u^29*x^7 + u^27*x^6 + u*x^5 + u^29*x^4 + u^16*x^3 + u^42*x^2 + u^61*x,

     u^31*x^60 + u^12*x^58 + u^61*x^57 + u^41*x^56 + u^55*x^54 + u^23*x^53 + u^46*x^52 + u^58*x^51 + u^57*x^50 + u^45*x^49 + u^28*x^48 + u^51*x^46 + u^46*x^45 + u^18*x^44 + u^45*x^43 + u^6*x^42 +
     u^41*x^41 + u^31*x^40 + u^52*x^39 + u^37*x^38 + u^10*x^37 + u^7*x^36 + u^35 + u^56*x^34 + u^49*x^33 + u^62*x^32 + u^16*x^30 + u^38*x^29 + u^6*x^28 + u^28*x^27 + u^49*x^26 + u^2*x^25 +
     u^42*x^24 + u^26*x^23 + u^36*x^22 + u^55*x^21 + u^19*x^20 + u^47*x^19 + u^3*x^18 + u*x^17 + u^30*x^16 + u^40*x^15 + u^26*x^14 + u^5*x^13 + u^44*x^12 + u^36*x^11 + u^14*x^10 + u^13*x^9 +
     u*x^8 + u^7*x^7 + u^23*x^6 + u^43*x^5 + u^9*x^4 + u^49*x^3 + u^57*x^2 + u^60*x,

     u^10*x^56 + u^53*x^52 + u^26*x^50 + u^15*x^49 + u^44*x^44 + u^6*x^42 + u^47*x^41 + u^5*x^40 + u^30*x^38 + u^28*x^37 + u^10*x^36 + u^58*x^35 + u^13*x^34 + u^42*x^33 + u^17*x^32 + u^3*x^28 +
     u^23*x^26 + u^44*x^25 + u^42*x^24 + u^6*x^22 + u^16*x^21 + u^44*x^20 + u^45*x^19 + u^35*x^18 + u^55*x^17 + u^40*x^16 + u^27*x^14 + u^61*x^13 + u^31*x^12 + u^55*x^11 + u^11*x^10 + u^8*x^9
     +
     u^30*x^8 + u^12*x^7 + u^5*x^6 + u^36*x^5 + u^50*x^4 + u^8*x^3 + u^12*x^2 + u^52*x,

     u^38*x^56 + u^51*x^52 + u^10*x^50 + u^2*x^49 + u^18*x^48 + u^27*x^44 + u^39*x^42 + u^22*x^41 + u^62*x^40 + u^39*x^38 + u*x^37 + u^26*x^36 + u^39*x^35 + u^52*x^34 + u^2*x^33 + u^26*x^32 +
     u^49*x^28 + u^12*x^26 + x^25 + u^28*x^24 + u^58*x^22 + u^55*x^21 + u^32*x^20 + u^30*x^19 + u^32*x^18 + u^45*x^17 + u^55*x^16 + u^24*x^14 + u^6*x^13 + u^44*x^12 + u^51*x^11 + u^10*x^10 +
     u^23*x^9 + u^34*x^8 + u^52*x^7 + u^14*x^6 + u^58*x^5 + u^38*x^4 + u^61*x^3 + u^51*x^2 + u^52*x,

     u^31*x^60 + u^12*x^58 + u^61*x^57 + u^50*x^56 + u^55*x^54 + u^23*x^53 + u^57*x^52 + u^58*x^51 + u^29*x^50 + u^26*x^49 + u^28*x^48 + u^51*x^46 + u^46*x^45 + u^5*x^44 + u^45*x^43 + u^34*x^42 +
     u^28*x^41 + u^38*x^40 + u^52*x^39 + u^43*x^38 + u^8*x^37 + u^58*x^36 + u^23*x^35 + u^25*x^34 + u^53*x^33 + u^49*x^32 + u^16*x^30 + u^38*x^29 + u^53*x^28 + u^28*x^27 + u^27*x^26 + u^60*x
     ^25
     + u^31*x^24 + u^26*x^23 + u*x^22 + u^39*x^21 + u^33*x^20 + u^7*x^19 + u^41*x^18 + u^3*x^17 + u^57*x^16 + u^40*x^15 + u^40*x^14 + u^56*x^13 + u^60*x^12 + u^48*x^11 + u^39*x^10 + u^10*x^9 +
```

u^35*x^8 + u^17*x^7 + u^23*x^6 + u^61*x^5 + u^10*x^4 + u^52*x^3 + u^21*x^2 + u^21*x,

u^43*x^56 + u^40*x^52 + u^29*x^50 + u^24*x^49 + u^45*x^48 + u^25*x^44 + u^36*x^42 + u^52*x^41 + u^25*x^40 + u^13*x^38 + u^29*x^37 + u^4*x^36 + u^12*x^35 + u^32*x^34 + u^54*x^33 + u^4*x^32 +
u^44*x^28 + u^40*x^26 + u^34*x^25 + u^5*x^24 + u^15*x^22 + u^60*x^21 + u^36*x^20 + u^7*x^19 + u^3*x^18 + u^31*x^17 + x^16 + u^13*x^14 + u^37*x^13 + u^29*x^12 + u^50*x^11 + u^6*x^10 +
u^3*x^9 + u^61*x^8 + u^42*x^7 + u^37*x^6 + u^14*x^5 + u^42*x^4 + u^42*x^3 + u^59*x^2 + u^3*x,

u^15*x^56 + u^30*x^52 + u^56*x^50 + x^49 + u^62*x^48 + u^45*x^44 + u^10*x^42 + u^15*x^41 + u^6*x^40 + x^38 + u^44*x^37 + u^25*x^36 + u^51*x^35 + u^5*x^34 + u^3*x^33 + u^40*x^32 + u^23*x^28 +
u^18*x^26 + u^2*x^25 + u^18*x^24 + u^57*x^22 + u^42*x^21 + u^36*x^20 + u^31*x^19 + u^39*x^18 + u^43*x^17 + u^40*x^16 + u^21*x^14 + u^5*x^13 + u^52*x^12 + u^19*x^11 + u^7*x^10 + u^54*x^9 +
u^33*x^8 + u^12*x^7 + u^25*x^6 + u^50*x^5 + u^22*x^4 + u^38*x^3 + u^18*x^2 + u^15*x,

u^6*x^56 + u^4*x^52 + u^29*x^50 + u^27*x^49 + u^14*x^48 + x^44 + u^51*x^42 + u^58*x^41 + u^33*x^40 + u*x^37 + u^12*x^36 + u*x^35 + u^62*x^34 + u^60*x^33 + u^56*x^32 + u^34*x^28 + u^30*x^26 +
u^7*x^25 + u^20*x^24 + u^34*x^22 + u^41*x^21 + u^29*x^20 + u^24*x^19 + u*x^18 + u^62*x^17 + u^20*x^16 + u^13*x^14 + u*x^13 + u^20*x^12 + u^56*x^11 + u^32*x^10 + u^20*x^9 + u^52*x^8 +
u^33*x^7 + u^38*x^6 + u^24*x^5 + u^61*x^4 + u^8*x^3 + u^26*x^2 + u^39*x,

u^23*x^60 + u^4*x^58 + u^53*x^57 + u^27*x^56 + u^47*x^54 + u^15*x^53 + u^48*x^52 + u^50*x^51 + u^43*x^50 + u^19*x^49 + u^34*x^48 + u^43*x^46 + u^38*x^45 + u^60*x^44 + u^37*x^43 + u^61*x^42 +
u^44*x^41 + u^37*x^40 + u^44*x^39 + u^7*x^38 + u^52*x^37 + u^14*x^36 + u^13*x^35 + u^16*x^34 + u^2*x^33 + u^8*x^30 + u^30*x^29 + u^51*x^28 + u^20*x^27 + u^16*x^26 + u^44*x^25 + u^48*x^24
+
u^18*x^23 + u^11*x^22 + u^29*x^21 + u^10*x^20 + u^25*x^19 + u^6*x^18 + u^10*x^17 + u^44*x^16 + u^32*x^15 + u^61*x^14 + u^10*x^13 + u^62*x^12 + u^56*x^11 + u^18*x^10 + u^44*x^9 + u^60*x^8
+
u^45*x^7 + u^27*x^6 + u^22*x^5 + u^13*x^4 + u^29*x^3 + u^37*x^2 + u^51*x,

u^12*x^56 + u^8*x^52 + x^50 + u^17*x^49 + u^22*x^48 + u^56*x^44 + u^38*x^42 + u^10*x^41 + u^44*x^40 + u^8*x^38 + u^14*x^37 + u^42*x^36 + u^12*x^35 + u^59*x^34 + u^12*x^33 + u^9*x^32 +
u^60*x^28 + u^29*x^26 + u^32*x^25 + u^20*x^24 + u^47*x^22 + u*x^21 + u^19*x^20 + u^28*x^19 + u^48*x^18 + u^3*x^17 + u^45*x^16 + u^45*x^14 + u^16*x^13 + u^15*x^12 + u^43*x^11 + u^5*x^10 +
u^5*x^9 + u^46*x^8 + u^49*x^7 + u^50*x^6 + u^12*x^5 + u^59*x^4 + u^3*x^3 + u^62*x^2 + u^31*x,

u^30*x^56 + u^17*x^52 + u^23*x^50 + u^62*x^49 + u^58*x^48 + u^30*x^44 + u^53*x^42 + u^10*x^41 + u^14*x^40 + u^33*x^38 + u^12*x^37 + u^19*x^36 + u^37*x^35 + u^7*x^34 + u^7*x^33 + u^3*x^32 +
u^13*x^28 + x^26 + u^25*x^25 + u^42*x^24 + u^25*x^22 + u^6*x^21 + u^42*x^20 + u^43*x^19 + u^49*x^18 + u^8*x^17 + u^53*x^16 + u^61*x^14 + u^61*x^13 + u^45*x^12 + u^5*x^11 + u^58*x^10 +
u^40*x^9 + u^18*x^8 + u^42*x^7 + u^57*x^6 + u^56*x^5 + u^6*x^4 + u^41*x^3 + u^12*x^2 + u^6*x,

u^25*x^56 + u^50*x^52 + u^22*x^50 + u^6*x^48 + u^45*x^44 + u^28*x^42 + u^29*x^41 + u^38*x^40 + u^27*x^38 + u^39*x^37 + u^61*x^36 + u^23*x^35 + u^15*x^34 + u^10*x^33 + u^34*x^28 + u^15*x^26 +
u^3*x^25 + u^34*x^24 + u^43*x^22 + u^20*x^21 + u^53*x^20 + u^50*x^19 + u^39*x^18 + u^26*x^17 + u^31*x^16 + u^44*x^14 + u^34*x^13 + u^51*x^12 + u*x^11 + u^42*x^10 + u^15*x^9 + u^28*x^8 +
u^59*x^7 + u^49*x^6 + u^18*x^5 + x^4 + u^11*x^3 + u^16*x^2 + u^18*x,

u^31*x^60 + u^12*x^58 + u^61*x^57 + u^13*x^56 + u^55*x^54 + u^23*x^53 + u^25*x^52 + u^58*x^51 + u^56*x^49 + u^55*x^48 + u^51*x^46 + u^46*x^45 + u^10*x^44 + u^45*x^43 + u^32*x^41 + u^51*x^40 +
u^52*x^39 + x^38 + u^24*x^37 + u^23*x^36 + u^54*x^35 + u^57*x^33 + u^57*x^32 + u^16*x^30 + u^38*x^29 + u^21*x^28 + u^28*x^27 + u^55*x^26 + u^47*x^25 + u^45*x^24 + u^26*x^23 + u^43*x^22 +
u^42*x^21 + u^25*x^20 + u^41*x^19 + u^17*x^18 + u^13*x^17 + x^16 + u^40*x^15 + u^3*x^14 + u^45*x^13 + u^39*x^12 + u^43*x^11 + u^58*x^10 + x^9 + u^16*x^8 + u^33*x^7 + u^39*x^6 + u^43*x^5 +
u^61*x^4 + u^37*x^3 + u^39*x^2 + u^59*x,

u^27*x^56 + u^24*x^52 + u^58*x^50 + u^26*x^49 + u^52*x^48 + u^58*x^44 + u^61*x^42 + u^45*x^41 + u^61*x^40 + u^19*x^38 + u^24*x^37 + u^9*x^36 + u^51*x^35 + u^26*x^34 + u^61*x^33 + u^14*x^32 +
u^47*x^28 + u^42*x^26 + u^44*x^25 + u^37*x^24 + u^34*x^22 + u^54*x^21 + u^34*x^20 + u^20*x^18 + u^28*x^17 + u^28*x^16 + u^18*x^14 + u^40*x^13 + u^59*x^12 + u^35*x^11 + u^36*x^10 + u^49*x
^9
+ u^50*x^8 + u^27*x^7 + u^62*x^6 + u^50*x^5 + u^59*x^4 + u^43*x^3 + u^39*x^2 + u^43*x,

u^31*x^60 + u^12*x^58 + u^61*x^57 + u^41*x^56 + u^55*x^54 + u^23*x^53 + u^58*x^51 + u^11*x^50 + u^40*x^49 + u^23*x^48 + u^51*x^46 + u^46*x^45 + u^60*x^44 + u^45*x^43 + u^37*x^42 + u^14*x^41 +
u^18*x^40 + u^52*x^39 + u^58*x^38 + u^56*x^37 + u^61*x^36 + u^29*x^35 + u^49*x^34 + u^58*x^33 + u^43*x^32 + u^16*x^30 + u^38*x^29 + u^22*x^28 + u^28*x^27 + u^27*x^26 + u^19*x^25 +
u^30*x^24 + u^26*x^23 + u^39*x^22 + u^16*x^21 + u^13*x^20 + u^17*x^19 + u^28*x^18 + u^11*x^17 + u^3*x^16 + u^40*x^15 + u^61*x^14 + u^21*x^13 + u^42*x^12 + u^5*x^11 + u^54*x^10 + u^53*x^9
+
u^27*x^8 + u^46*x^6 + u^29*x^4 + u^53*x^3 + u^57*x^2 + u^12*x,

u^60*x^56 + u^53*x^52 + u^56*x^50 + u^24*x^49 + x^48 + u^42*x^44 + u^51*x^42 + u^46*x^41 + u^35*x^40 + u^3*x^38 + u^29*x^37 + u^36*x^36 + u^10*x^35 + u^9*x^34 + u^27*x^33 + u^16*x^32 +
u^7*x^28 + u^16*x^26 + u^44*x^25 + u^17*x^24 + u^24*x^22 + u^41*x^21 + u^8*x^20 + u^41*x^19 + u^59*x^18 + u^12*x^17 + u^9*x^14 + u^49*x^13 + u^20*x^12 + u^47*x^11 + u^27*x^10 + u^42*x^9 +
u^27*x^8 + u^25*x^7 + u^21*x^6 + u^49*x^5 + u^33*x^4 + u^25*x^3 + u^3*x^2 + u^15*x,

u^55*x^56 + u^49*x^52 + u^41*x^50 + u^22*x^49 + u^7*x^48 + u^34*x^44 + u^44*x^42 + u^58*x^41 + u^33*x^40 + u^49*x^38 + u^55*x^37 + u^43*x^36 + u*x^35 + u^28*x^34 + u^30*x^33 + u^24*x^32 +
u^3*x^28 + u^24*x^26 + u^7*x^25 + u^42*x^24 + u^36*x^22 + u^34*x^21 + u^14*x^20 + u^13*x^19 + u^28*x^18 + u^21*x^17 + u^12*x^16 + u^62*x^13 + u^62*x^12 + u^47*x^11 + u^58*x^10 + u^8*x^9 +
u^4*x^8 + u^7*x^7 + u^33*x^6 + u^52*x^5 + u^8*x^4 + u^9*x^3 + u^25*x^2 + u^11*x,

u^31*x^56 + u^25*x^52 + u^35*x^50 + u^9*x^49 + u^41*x^48 + u^8*x^44 + u^22*x^42 + u^27*x^41 + u^35*x^40 + u^28*x^38 + u^35*x^37 + u^20*x^36 + u^60*x^35 + u^19*x^34 + u^53*x^33 + u^51*x^32 +
u^59*x^28 + u^28*x^26 + u^23*x^25 + u^50*x^24 + u^50*x^22 + u^5*x^21 + u^21*x^20 + u^12*x^19 + u^3*x^18 + u^61*x^17 + u^13*x^16 + u^15*x^14 + u^3*x^13 + u^24*x^12 + u^13*x^11 + u^11*x^10
+
u^40*x^9 + u^41*x^8 + u^54*x^7 + u^49*x^6 + u^40*x^5 + u^12*x^4 + u^57*x^3 + u^18*x^2 + u^15*x,

u^18*x^56 + u^25*x^52 + u^8*x^50 + u^35*x^49 + u^24*x^48 + u^12*x^44 + u^10*x^42 + u^20*x^41 + u^6*x^40 + u^39*x^38 + u^15*x^37 + u^25*x^36 + u^3*x^35 + u^4*x^34 + u^18*x^33 + u^13*x^32 +
u^29*x^26 + u^35*x^25 + u^25*x^24 + u^29*x^22 + u^49*x^21 + u^12*x^20 + u^31*x^19 + u^62*x^18 + u^23*x^17 + u^16*x^16 + u^13*x^14 + u^49*x^13 + u^57*x^12 + u^52*x^11 + u^5*x^10 + u^48*x^9
+ u^54*x^8 + u^11*x^7 + u^39*x^6 + u^60*x^5 + u^43*x^4 + u^25*x^3 + u^60*x^2 + u^48*x,

u^12*x^56 + u^27*x^52 + x^50 + u^51*x^49 + u^10*x^48 + u^62*x^42 + u^38*x^41 + u^20*x^40 + u^24*x^38 + u^5*x^37 + u^57*x^36 + u^19*x^35 + u^53*x^34 + u^13*x^33 + u^30*x^32 + u^37*x^28 +
u^10*x^26 + u^19*x^25 + u^43*x^24 + u^5*x^22 + u^61*x^21 + u^48*x^20 + u^42*x^19 + u^34*x^18 + u^44*x^17 + u^28*x^16 + u^36*x^14 + u^6*x^13 + u^62*x^12 + u^35*x^11 + u^40*x^10 + u^61*x^9
+
u^37*x^8 + u^38*x^7 + u^47*x^6 + u^53*x^5 + u^23*x^4 + u^43*x^3 + u^60*x^2 + u^8*x,

u^45*x^56 + u^37*x^52 + u^12*x^50 + u^9*x^49 + u^21*x^48 + u^22*x^44 + u^60*x^42 + u^43*x^41 + u^14*x^40 + x^38 + u^46*x^37 + u^42*x^36 + u^29*x^35 + u^19*x^34 + u^10*x^33 + u*x^32 + u^20*x
^28
+ u^8*x^26 + u^5*x^25 + u^58*x^24 + u^4*x^22 + u^15*x^21 + u^24*x^20 + u^45*x^19 + u^11*x^18 + u^29*x^17 + u^22*x^16 + u^61*x^14 + u^31*x^13 + u^31*x^12 + u^35*x^11 + u^36*x^10 + u^29*x^8
+ u^17*x^7 + u^29*x^6 + u^62*x^5 + u^49*x^4 + u^10*x^3 + u^14*x^2 + u^47*x,

u^31*x^60 + u^12*x^58 + u^61*x^57 + u^32*x^56 + u^55*x^54 + u^23*x^53 + u^11*x^52 + u^58*x^51 + u^54*x^50 + u^52*x^49 + u^16*x^48 + u^51*x^46 + u^46*x^45 + u^39*x^44 + u^45*x^43 + u^46*x^42 +
u^35*x^41 + u^52*x^40 + u^52*x^39 + u^28*x^38 + u^10*x^37 + u^8*x^36 + u^22*x^35 + u^17*x^34 + u^61*x^33 + u^11*x^32 + u^16*x^30 + u^38*x^29 + u^32*x^28 + u^28*x^27 + u^38*x^26 + u^22*x
^25
+ u^55*x^24 + u^26*x^23 + u^35*x^22 + u^4*x^21 + u^35*x^20 + u^52*x^19 + u^50*x^18 + u^59*x^17 + u^37*x^16 + u^40*x^15 + u^33*x^14 + u^58*x^13 + u^59*x^12 + u^61*x^11 + u^16*x^10 +
u^46*x^9 + u*x^8 + u^7*x^7 + u^14*x^6 + u^13*x^5 + u^57*x^4 + u^55*x^3 + x^2 + u^54*x,

u^47*x^56 + u^49*x^52 + u^58*x^50 + u*x^49 + u^11*x^48 + u^33*x^44 + u^27*x^42 + u^34*x^41 + u^36*x^40 + u^2*x^38 + u^36*x^37 + u^37*x^36 + u^59*x^35 + u^28*x^34 + u^61*x^33 + u^45*x^32 +
u^14*x^28 + u^62*x^26 + u^4*x^25 + u^8*x^24 + u^40*x^22 + u^34*x^21 + u^20*x^20 + u^21*x^19 + u^25*x^18 + u^29*x^17 + u^9*x^16 + u^17*x^14 + u^22*x^13 + u^62*x^12 + u^35*x^11 + u^28*x^10
+
u^14*x^9 + u^31*x^8 + u^20*x^7 + u^60*x^6 + u^58*x^5 + u^12*x^4 + u^41*x^3 + u^44*x^2 + u^26*x,

u^33*x^56 + u^59*x^52 + u^20*x^50 + u^17*x^49 + u^20*x^48 + u^15*x^44 + u^4*x^42 + u^54*x^41 + u^54*x^40 + u^35*x^38 + u^44*x^37 + u^35*x^36 + u^16*x^35 + u^24*x^34 + u^58*x^33 + u^46*x^32 +
u^12*x^28 + u^29*x^26 + u^52*x^25 + u^62*x^24 + u^41*x^22 + u^40*x^21 + u^23*x^20 + u^31*x^19 + u^5*x^18 + u^6*x^17 + u^8*x^16 + u^50*x^14 + u^38*x^13 + u^45*x^12 + u^45*x^11 + u^15*x^10
+
u^20*x^9 + u^19*x^8 + u^25*x^7 + u^53*x^6 + u^13*x^5 + u^44*x^4 + u^45*x^3 + u^47*x^2 + u^46*x,

u^48*x^56 + u^45*x^52 + u^3*x^50 + u^51*x^49 + u^42*x^48 + u^26*x^44 + u^19*x^42 + u^5*x^41 + u^32*x^40 + u^26*x^38 + u^34*x^37 + u^29*x^36 + u^53*x^35 + u^2*x^34 + u^32*x^33 + u^3*x^32 +
u^42*x^28 + u^36*x^26 + u^45*x^25 + u^29*x^24 + u^38*x^22 + u^51*x^21 + u^45*x^19 + u^20*x^18 + u^58*x^17 + u^4*x^16 + u^24*x^14 + u^15*x^13 + u^23*x^12 + u^32*x^11 + u^6*x^10 + u^16*x^9
+
u^18*x^8 + u^29*x^6 + x^5 + u^6*x^4 + u^52*x^3 + u^31*x^2 + u^61*x,

u^3*x^60 + u^47*x^58 + u^33*x^57 + u^54*x^56 + u^27*x^54 + u^58*x^53 + u^28*x^52 + u^30*x^51 + u^49*x^50 + u^48*x^49 + u^46*x^48 + u^23*x^46 + u^18*x^45 + u^47*x^44 + u^17*x^43 + u^25*x^42 +
u^36*x^41 + u^44*x^40 + u^24*x^39 + u^12*x^38 + u^39*x^37 + u^61*x^36 + u^38*x^35 + u^4*x^34 + u^52*x^33 + u^15*x^32 + u^51*x^30 + u^10*x^29 + u^28*x^28 + x^27 + u^39*x^26 + u^16*x^25 +
u^50*x^24 + u^61*x^23 + u^2*x^22 + u^20*x^21 + u^55*x^20 + u^15*x^19 + u^61*x^18 + u^2*x^17 + u^57*x^16 + u^12*x^15 + u^31*x^14 + u^7*x^13 + u^62*x^12 + u^40*x^11 + u^27*x^10 + u^52*x^9 +
u^15*x^8 + u^47*x^7 + u^14*x^6 + u^9*x^5 + u^40*x^4 + u^21*x^3 + u^52*x^2 + u^35*x,

u^42*x^56 + u^6*x^52 + u^48*x^50 + u^19*x^49 + u^55*x^48 + u^18*x^44 + u^17*x^42 + u^3*x^41 + u^44*x^40 + u^23*x^38 + u^54*x^37 + u^15*x^36 + u^59*x^35 + u^59*x^34 + u^25*x^33 + u^5*x^32 +
u^43*x^28 + u^59*x^26 + u^53*x^25 + u^3*x^24 + u^45*x^22 + u^36*x^21 + u^34*x^20 + u^51*x^19 + u^56*x^18 + u^56*x^17 + u^7*x^16 + u^23*x^14 + u^11*x^13 + u^15*x^12 + u^17*x^11 + u^58*x^10
+ u^3*x^9 + u^50*x^8 + u^48*x^7 + u^18*x^6 + u^61*x^5 + u^26*x^4 + u^16*x^3 + u^6*x^2 + u^6*x,

u^39*x^56 + u^6*x^52 + u^58*x^50 + u^2*x^49 + u^19*x^48 + u^41*x^44 + u^48*x^42 + u^38*x^41 + u^39*x^40 + u^45*x^38 + u^38*x^37 + u^38*x^36 + u^49*x^35 + u^14*x^34 + u^31*x^33 + u^34*x^32 +
u^54*x^26 + u^14*x^25 + u^35*x^24 + u^10*x^22 + u^30*x^21 + u^55*x^19 + u^48*x^18 + u^42*x^17 + u^44*x^16 + u^51*x^14 + u^50*x^13 + u^7*x^12 + u^9*x^11 + u^40*x^10 + u^45*x^9 + u^44*x^8 +
u^7*x^7 + u^8*x^6 + u^42*x^5 + u^7*x^4 + u^42*x^3 + u^46*x^2 + u^48*x,

u^51*x^56 + u^37*x^52 + u^55*x^50 + u^47*x^49 + u^49*x^48 + u^38*x^44 + u^48*x^42 + u^48*x^41 + u^28*x^40 + u^43*x^38 + u^40*x^37 + u^14*x^36 + u^22*x^35 + u^27*x^34 + u^53*x^33 + u^5*x^32 + u^49*x^28 + u^57*x^26 + u^32*x^25 + u^17*x^24 + u^51*x^22 + u^29*x^21 + u^10*x^20 + u^21*x^19 + u^22*x^18 + u^16*x^17 + u^19*x^16 + u^24*x^14 + u^32*x^13 + u^57*x^12 + u^10*x^11 + u^48*x^10 + u^7*x^9 + u^37*x^8 + u^21*x^7 + u^25*x^6 + u^35*x^5 + u^38*x^4 + u^22*x^3 + u^39*x^2 + u^24*x,

u^46*x^56 + u^41*x^52 + u^48*x^50 + u^15*x^49 + u^6*x^48 + x^44 + u^32*x^42 + u^55*x^41 + u^2*x^40 + u^44*x^38 + u^42*x^37 + u^48*x^36 + u^30*x^35 + u^30*x^34 + u^60*x^33 + u^14*x^32 + u^55*x^28 + u^52*x^26 + u^41*x^25 + u^15*x^24 + u^34*x^22 + u^9*x^21 + u^59*x^20 + u^17*x^19 + u^36*x^18 + u^30*x^17 + u^41*x^16 + u^13*x^14 + u^55*x^13 + u^36*x^12 + u^36*x^11 + u^56*x
^10
+ u^30*x^9 + u^28*x^8 + u^15*x^7 + u^44*x^6 + u^33*x^5 + u^17*x^4 + u^43*x^3 + u^27*x^2 + u*x,

u^27*x^56 + u^8*x^52 + u^26*x^50 + u^10*x^49 + u^38*x^48 + u^13*x^44 + u^16*x^42 + u^41*x^41 + u^29*x^40 + u^50*x^38 + u^11*x^37 + u^49*x^36 + u^51*x^35 + u^42*x^34 + u^35*x^33 + u^8*x^32 + u^26*x^28 + u^25*x^26 + u^14*x^25 + u^25*x^24 + u^54*x^22 + u^11*x^21 + u^25*x^20 + u^38*x^19 + u^31*x^18 + u^40*x^17 + u^9*x^16 + u^52*x^14 + u^3*x^13 + u^46*x^12 + u^57*x^9 + u^33*x^7 + u^15*x^6 + u^12*x^5 + u^39*x^4 + u^17*x^3 + u^12*x^2 + u^48*x,

u^59*x^56 + u^32*x^52 + u^49*x^50 + u^10*x^49 + u^21*x^48 + u^57*x^44 + u^38*x^42 + u^48*x^41 + u^17*x^40 + u^12*x^38 + u^48*x^37 + u^56*x^36 + u^60*x^35 + x^34 + u^16*x^33 + u^5*x^32 + u^43*x^28 + u^28*x^26 + u^50*x^25 + u^44*x^24 + u^34*x^22 + u^53*x^21 + u^53*x^19 + u^18*x^18 + u^11*x^17 + u^13*x^16 + u^24*x^13 + u^43*x^12 + u^15*x^11 + u^48*x^10 + u^7*x^9 + u^50*x^8
+
u^50*x^7 + u^18*x^6 + u^12*x^5 + u^37*x^4 + u*x^3 + u^49*x^2 + u^59*x,

u^38*x^56 + u^25*x^52 + u^43*x^50 + u^13*x^49 + u^47*x^48 + u^57*x^44 + u^8*x^42 + u^25*x^41 + u^7*x^40 + x^38 + u^58*x^37 + u^27*x^36 + u^20*x^34 + u^31*x^33 + u^37*x^32 + u^45*x^28 + u^21*x^26 + u^41*x^25 + u^52*x^24 + u^52*x^22 + u^33*x^21 + u^40*x^20 + u^54*x^19 + u^52*x^18 + u^59*x^17 + u^20*x^16 + u^36*x^14 + u^33*x^13 + u^54*x^12 + u^36*x^11 + u^7*x^10 + u^29*x^9 + u^16*x^8 + u^56*x^7 + u^25*x^6 + u^62*x^5 + u^24*x^4 + u^22*x^3 + u^44*x^2 + u^26*x,

u^14*x^56 + u^16*x^52 + u^19*x^50 + u^29*x^49 + u^6*x^48 + u^41*x^44 + u^45*x^42 + u^59*x^41 + u^58*x^40 + u^57*x^38 + u^59*x^37 + u^10*x^36 + u^54*x^35 + u^47*x^34 + u^57*x^33 + u^46*x^32 + u^11*x^28 + u^49*x^26 + u*x^25 + u^31*x^24 + u^50*x^22 + u^12*x^21 + x^20 + u^3*x^19 + u^13*x^18 + u^58*x^17 + u^22*x^16 + u^24*x^14 + u^22*x^13 + u^25*x^12 + u^25*x^11 + u^16*x^10 + u^10*x^9 + u*x^8 + u^6*x^7 + x^6 + u^16*x^5 + u^42*x^4 + u^57*x^3 + u*x^2 + u^5*x,

u^8*x^56 + u^60*x^52 + u^3*x^50 + u^16*x^49 + u^36*x^48 + u^5*x^44 + u^52*x^42 + u^41*x^41 + u^16*x^40 + u^30*x^38 + u^12*x^37 + u^19*x^36 + u^3*x^35 + u^19*x^34 + u^8*x^33 + u^2*x^32 + u^4*x^28 + u^8*x^26 + u^48*x^25 + u^56*x^24 + u^19*x^21 + u^60*x^20 + u^35*x^19 + u^34*x^18 + u^22*x^17 + u^43*x^16 + u^15*x^14 + u^45*x^13 + u^15*x^12 + u^54*x^11 + u^14*x^10 + u^7*x^9 + u^3*x^8 + u^32*x^7 + u*x^6 + u^17*x^5 + u^55*x^4 + u^33*x^3 + u^33*x^2 + u^27*x,

u^56*x^56 + u^29*x^50 + x^49 + u^35*x^44 + u^30*x^42 + u^50*x^41 + u^18*x^40 + u^8*x^38 + u^42*x^37 + u^11*x^36 + u^39*x^35 + u^41*x^34 + u^23*x^33 + u*x^32 + u^23*x^28 + u^26*x^26 + u^46*x
^25
+ u^57*x^24 + u^19*x^22 + u^17*x^21 + u^13*x^20 + u^58*x^19 + u^44*x^18 + u^29*x^17 + u^50*x^16 + u^36*x^14 + u^3*x^13 + u^51*x^12 + u^8*x^11 + u^59*x^10 + u^10*x^9 + u^23*x^8 + u^60*x^7
+
u^5*x^6 + u^39*x^5 + u^57*x^4 + u^43*x^3 + u^19*x^2 + u^7*x,

u^14*x^56 + u^61*x^52 + u^49*x^50 + u^29*x^49 + u^12*x^48 + u^10*x^44 + u^35*x^42 + u^62*x^41 + u^52*x^40 + u^53*x^38 + u^17*x^37 + u^8*x^36 + u^4*x^35 + u^22*x^34 + u^13*x^33 + u^32*x^32 + u^25*x^28 + u^37*x^26 + u^48*x^25 + u^51*x^24 + u^11*x^22 + u^59*x^21 + u^8*x^19 + u^22*x^18 + u^47*x^17 + u^19*x^16 + u^20*x^14 + u^8*x^13 + u^29*x^12 + u^7*x^11 + u^2*x^10 + u^24*x^9 + u^43*x^8 + u^62*x^7 + u^8*x^6 + u^35*x^5 + u^31*x^4 + u^47*x^3 + u^52*x^2 + u^57*x,

x^56 + u^61*x^52 + u^3*x^50 + u^33*x^49 + u^25*x^48 + u^36*x^44 + u^32*x^42 + u^35*x^41 + u^5*x^40 + u^11*x^38 + u^11*x^37 + u^47*x^36 + u^42*x^35 + u^35*x^34 + u^17*x^33 + u^15*x^32 + u^39*x^28 + u^17*x^26 + u^3*x^25 + u^4*x^24 + u^46*x^22 + u^60*x^21 + u^37*x^20 + u^58*x^19 + u^27*x^18 + u^60*x^17 + u^50*x^16 + u^20*x^14 + u^39*x^13 + u^4*x^12 + u^17*x^11 + u^38*x^10
+
u^49*x^9 + u^41*x^8 + u^34*x^7 + u^52*x^6 + x^5 + x^4 + u^39*x^3 + u^14*x^2 + u^32*x,

u^23*x^60 + u^4*x^58 + u^53*x^57 + u^33*x^56 + u^47*x^54 + u^15*x^53 + u^10*x^52 + u^50*x^51 + u^26*x^50 + u^38*x^49 + u^5*x^48 + u^43*x^46 + u^38*x^45 + u^21*x^44 + u^37*x^43 + u^5*x^42 + u^4*x^41 + u^7*x^40 + u^44*x^39 + x^38 + u^30*x^37 + u^25*x^36 + u^48*x^35 + u^22*x^34 + u^34*x^33 + u^16*x^32 + u^8*x^30 + u^30*x^29 + u^44*x^28 + u^20*x^27 + u^19*x^26 + u^62*x^25 + u^38*x^24 + u^18*x^23 + u^35*x^22 + u^45*x^21 + u^29*x^20 + u^41*x^19 + u^19*x^18 + u^45*x^17 + u^14*x^16 + u^32*x^15 + u^41*x^14 + u^51*x^13 + u^12*x^12 + u^6*x^11 + u^58*x^10 + u^48*x^9 + u^57*x^8 + u^28*x^7 + u^61*x^6 + u^15*x^5 + u^2*x^4 + u^56*x^3 + u^61*x^2 + u^47*x,

u^44*x^56 + u^49*x^52 + u^17*x^50 + u^31*x^49 + u^41*x^48 + u^39*x^44 + u^62*x^42 + u^20*x^41 + u^33*x^40 + u^30*x^38 + u^36*x^37 + u^54*x^36 + u^18*x^35 + u^43*x^34 + u^30*x^33 + u^59*x^32 + u^30*x^28 + u^23*x^26 + u^36*x^25 + u^50*x^24 + u^59*x^22 + u^61*x^20 + u^50*x^19 + u^9*x^18 + u^60*x^17 + u^9*x^16 + u^56*x^14 + u^61*x^13 + u^62*x^12 + u^15*x^11 + u^38*x^10 + u^30*x^9
+
u^4*x^8 + u^17*x^7 + u^3*x^6 + u^33*x^5 + u^34*x^4 + u^44*x^3 + u^6*x^2 + u^24*x,

u^31*x^56 + u^37*x^52 + u^35*x^50 + u^38*x^49 + u^50*x^48 + u^21*x^44 + u^10*x^42 + u^18*x^41 + u^30*x^40 + u^23*x^38 + u^11*x^37 + u^27*x^36 + u^11*x^35 + u^50*x^33 + u^14*x^32 + u^27*x^28 + u^28*x^26 + u^30*x^25 + u^57*x^24 + u^9*x^22 + u^46*x^21 + x^20 + u^22*x^19 + u^11*x^18 + u^49*x^17 + u^14*x^16 + u^56*x^14 + u^11*x^13 + u^21*x^12 + u^57*x^11 + u*x^10 + u^31*x^9 + u^33*x^8 + u^49*x^7 + u^35*x^6 + u^60*x^5 + u^13*x^4 + u^57*x^3 + u^40*x^2 + u^12*x,

u^24*x^60 + u^5*x^58 + u^54*x^57 + u^52*x^56 + u^48*x^54 + u^16*x^53 + u^14*x^52 + u^51*x^51 + u^57*x^50 + u^55*x^49 + u^36*x^48 + u^44*x^46 + u^39*x^45 + u^28*x^44 + u^38*x^43 + u^55*x^42 + u^17*x^41 + u^21*x^40 + u^45*x^39 + u^60*x^38 + u^9*x^37 + u^50*x^36 + u^46*x^35 + u^32*x^34 + u^57*x^33 + u^42*x^32 + u^9*x^30 + u^31*x^29 + u^17*x^28 + u^21*x^27 + u^56*x^26 + u^16*x^25 + u^32*x^24 + u^19*x^23 + u^17*x^22 + u^8*x^21 + u*x^20 + u^56*x^18 + u^57*x^17 + u^50*x^16 + u^33*x^15 + u^8*x^14 + u^47*x^13 + u*x^12 + u^43*x^11 + u^13*x^10 + u^32*x^9 + u^36*x^8 + u^37*x^7 + u^10*x^6 + u^3*x^5 + u^38*x^4 + u^43*x^3 + u^20*x^2 + u^6*x,

u^49*x^56 + u^57*x^52 + u^52*x^50 + u^12*x^49 + u^53*x^48 + u^33*x^44 + u^56*x^42 + u*x^41 + u^16*x^40 + u^35*x^38 + u^40*x^37 + u^58*x^36 + u^61*x^35 + u^35*x^34 + u^51*x^33 + u^38*x^32 + u^23*x^28 + u^16*x^26 + u^12*x^25 + u*x^24 + u^12*x^22 + u^8*x^21 + u^36*x^20 + u^47*x^19 + u^2*x^18 + u^16*x^17 + u^45*x^16 + u^58*x^14 + u^57*x^13 + u^19*x^11 + u^17*x^10 + u^20*x^9 + u^48*x^8 + u^37*x^7 + u^38*x^6 + u^31*x^5 + u^40*x^4 + u^25*x^3 + u^19*x^2 + u^38*x,

u^19*x^56 + u^12*x^52 + u^34*x^50 + u^51*x^49 + u^41*x^48 + u^23*x^44 + u^21*x^42 + u^49*x^41 + u^61*x^40 + u^15*x^38 + u^60*x^37 + u^57*x^35 + u^55*x^34 + u^16*x^33 + u^30*x^32 + u^17*x^28 + u^29*x^26 + u^60*x^25 + u^47*x^24 + u^57*x^22 + u^50*x^21 + u^6*x^20 + u^30*x^19 + u^46*x^18 + u^51*x^17 + u^6*x^16 + u^48*x^14 + u^55*x^13 + u^46*x^12 + u^39*x^11 + u^20*x^10 + u^56*x^9
+
u*x^8 + u^46*x^7 + u^6*x^6 + u^50*x^5 + u^32*x^4 + u*x^3 + u^46*x^2 + u^33*x,

u^27*x^56 + u^18*x^52 + u^34*x^50 + u^4*x^49 + u^23*x^48 + u^35*x^44 + u^39*x^42 + u^19*x^41 + u^43*x^40 + u^22*x^38 + u^61*x^37 + u^17*x^36 + u^38*x^35 + u^57*x^34 + u^30*x^33 + u^9*x^32 + u^4*x^28 + u^36*x^26 + u^28*x^25 + u^14*x^24 + u^53*x^22 + u^15*x^21 + u^13*x^20 + u^39*x^19 + u^21*x^18 + u^54*x^16 + u^15*x^14 + u^32*x^13 + u^23*x^12 + u^6*x^11 + u^28*x^10 + u^9*x^9 + u^33*x^8 + u^44*x^7 + u^20*x^6 + u^8*x^5 + u^14*x^4 + u^62*x^3 + u^59*x^2 + u^57*x,

u^33*x^60 + u^15*x^58 + u*x^57 + u^55*x^56 + u^38*x^54 + u^23*x^53 + u^9*x^52 + u^61*x^51 + u^33*x^50 + u^23*x^49 + u^33*x^48 + u^13*x^46 + u^34*x^45 + u^15*x^44 + u^48*x^43 + u^35*x^42 + u^56*x^41 + u^51*x^40 + u^48*x^39 + u^47*x^38 + u^44*x^37 + u^17*x^36 + u^32*x^35 + u^36*x^34 + u^45*x^33 + u^21*x^32 + u^16*x^30 + x^29 + u^59*x^28 + u^31*x^27 + u^7*x^26 + u^27*x^25 + u^10*x^24 + u^61*x^23 + u^23*x^22 + u^11*x^21 + u^11*x^20 + u^60*x^19 + u^19*x^18 + u^35*x^16 + u^23*x^15 + u^56*x^14 + u^16*x^13 + u^43*x^12 + u^42*x^11 + u^7*x^10 + x^9 + u*x^8 + u^46*x^6 + u^25*x^5 + u*x^4 + u^17*x^3 + u^12*x^2 + u^31*x,

u^33*x^56 + u^24*x^52 + u^3*x^50 + u^12*x^49 + u^28*x^48 + u^5*x^44 + u^41*x^42 + u^25*x^41 + u^48*x^40 + u^44*x^38 + u^59*x^37 + u^55*x^36 + u^12*x^35 + u^17*x^34 + u^56*x^33 + u^54*x^32 + u^12*x^28 + x^26 + u^35*x^25 + u^11*x^24 + u^4*x^22 + u^7*x^21 + u^51*x^20 + u^43*x^19 + u^14*x^18 + u^43*x^17 + u^62*x^16 + u^9*x^14 + u^41*x^13 + x^12 + u^44*x^11 + u^43*x^10 + u^46*x^9 + u^5*x^8 + u^9*x^7 + u^42*x^6 + u^3*x^5 + u^46*x^4 + u^27*x^3 + u^53*x^2 + u^2*x,

u^15*x^56 + u^62*x^52 + u^38*x^50 + u^27*x^49 + u^27*x^48 + u^34*x^44 + u^50*x^42 + u^38*x^41 + u^53*x^40 + u^12*x^38 + u^16*x^36 + u^58*x^35 + u^19*x^34 + u^24*x^33 + u^26*x^32 + u^7*x^28 + u*x^26 + u^26*x^25 + u^50*x^24 + u^39*x^22 + u^14*x^21 + u^18*x^20 + u^59*x^19 + u^6*x^18 + u^24*x^17 + u^50*x^16 + u^33*x^14 + u^58*x^13 + u^33*x^12 + u^41*x^11 + u^47*x^10 + u^3*x^9 + u^36*x^8 + u^20*x^7 + u^37*x^6 + u^14*x^5 + u^62*x^4 + u^41*x^3 + u^5*x^2 + u^43*x,

u^29*x^56 + u^56*x^52 + u^32*x^50 + u^18*x^49 + u^35*x^48 + u^51*x^44 + u^52*x^42 + u^30*x^41 + u^54*x^40 + u^15*x^38 + u^25*x^37 + u^60*x^36 + u^21*x^35 + u^57*x^34 + u^56*x^33 + u^22*x^32 + u^51*x^28 + u^19*x^26 + u^4*x^25 + u^23*x^24 + u^11*x^22 + u^48*x^21 + u^51*x^20 + u^7*x^19 + u^31*x^18 + u^44*x^17 + u^26*x^16 + u^33*x^14 + u^14*x^13 + u^45*x^12 + u^41*x^11 + u^7*x^10
+
u^54*x^9 + u^7*x^8 + u^3*x^7 + u*x^6 + u^35*x^5 + u^30*x^4 + u^2*x^3 + u^49*x^2 + u^14*x,

u^39*x^56 + u^33*x^52 + u^44*x^50 + u^45*x^49 + u^4*x^48 + x^44 + u^10*x^42 + u^44*x^41 + u^34*x^40 + u^59*x^38 + u^30*x^37 + u^7*x^36 + u^34*x^35 + u^23*x^34 + u^29*x^32 + u^15*x^28 + u^57*x^26 + u^36*x^25 + u^30*x^24 + u^11*x^22 + u^11*x^21 + u^6*x^20 + u^25*x^19 + u^56*x^18 + u^19*x^17 + u^6*x^16 + u^3*x^14 + u^4*x^13 + u^41*x^12 + u^37*x^11 + u^34*x^10 + u^41*x^9 + u^21*x^8 + u^10*x^7 + u^61*x^6 + u^10*x^5 + u^15*x^4 + u^62*x^3 + u^13*x^2 + u^8*x,

u^11*x^56 + u^45*x^52 + u^9*x^50 + u^9*x^49 + u^46*x^48 + u^55*x^44 + u^38*x^42 + u^24*x^41 + u*x^40 + u^11*x^38 + u^23*x^37 + u^26*x^36 + u^17*x^35 + u^48*x^34 + u^54*x^33 + u^48*x^32 + u^10*x^28 + u^51*x^26 + u^34*x^25 + u^19*x^24 + u^47*x^22 + u^23*x^21 + u^6*x^20 + u^21*x^19 + u^26*x^18 + u^48*x^17 + u^57*x^16 + u^9*x^14 + u^12*x^13 + u^6*x^12 + u^52*x^11 + u^12*x^10
+
u^47*x^9 + u^29*x^8 + u^7*x^7 + u^48*x^6 + u^27*x^5 + u^13*x^4 + u^45*x^3 + u^16*x^2 + u^44*x,

u^50*x^56 + u^24*x^52 + u^24*x^50 + u^47*x^49 + u^49*x^48 + u^56*x^44 + u^34*x^42 + u^53*x^41 + u^48*x^40 + u^37*x^38 + u^34*x^37 + u^41*x^36 + u^49*x^35 + u^25*x^34 + x^33 + u^13*x^32 + u^12*x^28 + u^50*x^26 + u^44*x^25 + u^25*x^24 + u^43*x^22 + u^16*x^21 + u^51*x^20 + u^42*x^19 + u^10*x^18 + u^15*x^17 + u^51*x^16 + u^4*x^14 + u^17*x^13 + u^29*x^12 + u^49*x^11 + u*x^10 + u^39*x^9 + u^46*x^8 + u^26*x^7 + u^45*x^6 + u^19*x^5 + u^55*x^4 + u^49*x^3 + u^21*x^2 + u^52*x,

u^44*x^56 + u^38*x^52 + u^14*x^50 + u^16*x^49 + u^47*x^48 + u^8*x^44 + u^3*x^42 + u^45*x^41 + u^8*x^40 + u^23*x^38 + u^44*x^37 + u^6*x^36 + u^28*x^35 + u^60*x^33 + u^45*x^32 + u^39*x^28 + u^21*x^26 + u^26*x^25 + x^24 + u^43*x^22 + u^14*x^21 + u^29*x^20 + u^58*x^19 + u^5*x^18 + u^21*x^17 + u^45*x^16 + u^60*x^14 + u^62*x^13 + u^42*x^12 + u^34*x^11 + u^3*x^10 + u^21*x^9 + u^11*x^8 + u^39*x^7 + u^55*x^6 + u^4*x^5 + u^34*x^4 + u^18*x^3 + u^50*x^2 + u^22*x,

u^29*x^56 + u^28*x^52 + u^44*x^50 + u^4*x^49 + u^52*x^48 + u^7*x^44 + u^52*x^42 + u^3*x^41 + u^47*x^40 + u^31*x^38 + u^3*x^37 + u^41*x^36 + u^26*x^35 + u^23*x^34 + u^4*x^33 + u^60*x^32 + u^19*x^28 + u^54*x^26 + u^50*x^25 + u^50*x^24 + u^36*x^22 + u^27*x^21 + u^60*x^20 + u^22*x^19 + u^57*x^18 + x^17 + u^33*x^16 + u^17*x^14 + u^43*x^13 + u^30*x^12 + u^30*x^11 + u^40*x^10 + u^44*x^9 + u^23*x^8 + u^48*x^7 + u^31*x^6 + u^2*x^5 + u^36*x^4 + u^20*x^3 + u^14*x^2 + u^41*x,

u^14*x^56 + u^53*x^52 + u^34*x^50 + u^3*x^49 + u^54*x^48 + u^35*x^44 + u^53*x^42 + u^7*x^41 + u^11*x^40 + x^38 + u^4*x^37 + u^19*x^36 + u^34*x^35 + u^21*x^34 + u^8*x^33 + u^19*x^32 + u^14*x^28
+ u*x^26 + u^38*x^25 + u^9*x^22 + u^8*x^21 + u^7*x^20 + u^50*x^19 + u^13*x^18 + u^24*x^17 + u^27*x^16 + u^2*x^14 + u^16*x^13 + u^14*x^12 + u^23*x^11 + u^8*x^10 + u^34*x^9 + u^61*x^8 + u^3*x^7 + u^52*x^6 + u^35*x^5 + u^27*x^4 + u^49*x^3 + u^57*x^2 + u^39*x,

u^8*x^56 + u^53*x^52 + u^53*x^50 + u^18*x^49 + u^5*x^48 + u^7*x^44 + u^29*x^42 + u^28*x^40 + u^24*x^38 + u^54*x^37 + u^59*x^36 + u^37*x^35 + u^26*x^34 + u^54*x^33 + u^49*x^32 + u^29*x^28 + u^47*x^26 + u^48*x^25 + u^55*x^24 + u^40*x^22 + u^12*x^21 + u^32*x^20 + u^43*x^19 + u^62*x^18 + u^2*x^17 + u^4*x^16 + u^15*x^14 + u^4*x^13 + u^51*x^12 + u^53*x^11 + u^9*x^10 + u^28*x^9 + u^36*x^8 + u^57*x^7 + u^35*x^6 + u^30*x^5 + u^55*x^4 + u^59*x^3 + x^2 + u^5*x,

u^53*x^56 + u^51*x^50 + u^40*x^49 + u^28*x^48 + u^13*x^44 + u^62*x^42 + u^31*x^41 + u^62*x^40 + u^17*x^38 + u^53*x^37 + u^29*x^36 + u^10*x^35 + u^47*x^34 + u^6*x^33 + u^34*x^32 + u^45*x^26 + u^52*x^25 + u^16*x^24 + u^29*x^22 + u^42*x^21 + u^29*x^20 + u^59*x^19 + u^46*x^18 + u^40*x^17 + u^11*x^16 + u^42*x^14 + u^14*x^13 + u^39*x^12 + u^52*x^11 + u^25*x^10 + u^23*x^9 + u^59*x^8 + u^52*x^7 + u^19*x^6 + u^39*x^5 + u^17*x^4 + u^47*x^3 + u^56*x^2 + u^30*x,

u^62*x^56 + u^25*x^50 + u^50*x^49 + u^20*x^48 + u^53*x^44 + u^43*x^42 + u^43*x^41 + u^53*x^40 + u^54*x^38 + u^20*x^37 + x^36 + u^42*x^35 + u^59*x^34 + u^5*x^33 + u^4*x^32 + u^43*x^28 + u^28*x^26 + u^48*x^25 + u^41*x^24 + u^56*x^22 + u^55*x^21 + u^55*x^20 + u^61*x^19 + u^30*x^17 + u^21*x^16 + u^10*x^14 + u^31*x^13 + u^36*x^12 + u^25*x^10 + u^31*x^9 + u^28*x^8 + u^30*x^6
+
u^31*x^5 + u^22*x^4 + u^44*x^3 + u^33*x^2 + u^36*x,

x^56 + u^56*x^52 + u^13*x^50 + u^6*x^49 + u^39*x^48 + u^34*x^44 + u^16*x^42 + u^18*x^41 + u^51*x^40 + u^59*x^38 + u^9*x^37 + u^35*x^36 + u^56*x^35 + u^52*x^34 + u^9*x^33 + u^18*x^32 + u^5*x^28
+ u^26*x^26 + u^54*x^25 + u^57*x^24 + u^18*x^22 + u^10*x^21 + u^17*x^20 + u^19*x^19 + u^29*x^18 + u^4*x^17 + u^52*x^16 + u^45*x^14 + u^62*x^13 + u^22*x^12 + u^54*x^11 + u^11*x^10 + u^24*x^9 + u^27*x^8 + u^51*x^7 + u^43*x^6 + u^7*x^5 + u^29*x^4 + u^6*x^3 + u^11*x^2 + u^34*x,

u^58*x^56 + u^16*x^52 + u^10*x^50 + u^55*x^49 + u^33*x^48 + u^51*x^44 + u^7*x^42 + u^10*x^41 + u^40*x^40 + u^35*x^38 + u^5*x^37 + u^15*x^36 + u^61*x^35 + u^29*x^34 + u^32*x^33 + u^41*x^32 + u^22*x^28 + u^56*x^26 + u^39*x^25 + u^43*x^24 + u^38*x^22 + u^27*x^21 + u^2*x^20 + u^25*x^19 + u^19*x^18 + u^54*x^17 + u^34*x^16 + u^49*x^14 + u^18*x^13 + u^35*x^12 + u^14*x^11 + u^29*x^10
+ u^51*x^9 + u^62*x^8 + u^43*x^7 + u^32*x^6 + u^41*x^5 + u^50*x^4 + u^19*x^3 + u^29*x^2 + u^61*x,

u^30*x^60 + u^11*x^58 + u^60*x^57 + u^36*x^56 + u^54*x^54 + u^22*x^53 + u^30*x^52 + u^57*x^51 + u^62*x^50 + u^35*x^49 + u^36*x^48 + u^50*x^46 + u^45*x^45 + u^16*x^44 + u^44*x^43 + x^42 + u^50*x^41 + u^28*x^40 + u^51*x^39 + u^48*x^38 + u^39*x^37 + u^17*x^36 + u^55*x^35 + u^59*x^34 + u^32*x^33 + u^35*x^32 + u^15*x^30 + u^37*x^29 + u^55*x^28 + u^27*x^27 + u^47*x^26 + u^10*x^25 + u^27*x^24 + u^25*x^23 + u^39*x^22 + u^38*x^21 + u^40*x^20 + u^52*x^19 + u^11*x^18 + u^33*x^17 + u^8*x^16 + u^39*x^15 + u^50*x^14 + u^35*x^13 + u^38*x^12 + u^48*x^11 + u^29*x^10
+ u^48*x^9 + u^22*x^8 + u^46*x^7 + u^42*x^6 + u^29*x^5 + u^35*x^4 + u^3*x^3 + u^36*x^2 + u^27*x,

u^31*x^60 + u^12*x^58 + u^61*x^57 + u^30*x^56 + u^55*x^54 + u^23*x^53 + u^28*x^52 + u^58*x^51 + u^27*x^50 + u^24*x^49 + u^35*x^48 + u^51*x^46 + u^46*x^45 + u^9*x^44 + u^45*x^43 + u^16*x^42 + u^57*x^41 + u^3*x^40 + u^52*x^39 + u^33*x^38 + u^2*x^37 + u^32*x^36 + u^7*x^35 + u^2*x^34 + u^16*x^33 + u^16*x^30 + u^38*x^29 + u^39*x^28 + u^28*x^27 + u^8*x^26 + u^51*x^25 + u^33*x^24 + u^26*x^23 + u^42*x^22 + u^39*x^21 + u^9*x^20 + u*x^19 + u^28*x^18 + u^62*x^17 + u^33*x^16 + u^40*x^15 + u^2*x^14 + u^16*x^13 + u^44*x^12 + u^25*x^11 + u^41*x^10 + u^57*x^9 + u^55*x^8 + u^62*x^7 + u^57*x^6 + u^19*x^5 + u^19*x^4 + u^36*x^2 + u^60*x,

u^14*x^56 + u^3*x^52 + u^10*x^50 + u^23*x^49 + u^59*x^48 + u^20*x^44 + u^60*x^42 + u^19*x^41 + u^34*x^40 + u^41*x^38 + u^58*x^37 + u^14*x^36 + u^23*x^35 + u^48*x^34 + u^45*x^33 + u^40*x^32 + u^5*x^28 + u^4*x^26 + u^29*x^25 + u^23*x^24 + u^51*x^22 + u^21*x^21 + u^44*x^20 + u^18*x^19 + u^54*x^18 + u^48*x^17 + u^25*x^16 + u^15*x^14 + u^12*x^13 + u^36*x^12 + u^61*x^11 + u^52*x^10
+ u^5*x^9 + u^2*x^8 + u^4*x^7 + u^25*x^6 + u^29*x^5 + u*x^4 + u^51*x^3 + u^37*x^2 + u^38*x,

u^15*x^56 + u^30*x^52 + u^6*x^50 + u^24*x^49 + u^48*x^48 + u^25*x^44 + u^45*x^42 + u^51*x^40 + u^5*x^38 + u^38*x^37 + u^4*x^36 + u^15*x^35 + u^23*x^34 + u^7*x^33 + u^57*x^32 + u^50*x^28 + u^32*x^26 + u^55*x^25 + u^18*x^24 + u^41*x^22 + u^43*x^21 + u^44*x^20 + u^42*x^19 + u^43*x^18 + u^31*x^17 + u^62*x^16 + u^9*x^14 + u^40*x^13 + u^45*x^12 + u^39*x^11 + u^34*x^10 + u^46*x^9
+ u^31*x^8 + u^2*x^7 + u^47*x^6 + u^61*x^5 + u^3*x^4 + u^21*x^3 + u^15*x^2 + u^5*x,

u^34*x^56 + u^12*x^52 + u^51*x^50 + u^61*x^49 + u^5*x^48 + u^26*x^44 + u^28*x^42 + u^61*x^41 + u^8*x^40 + u^60*x^38 + u^60*x^37 + u^60*x^36 + u^39*x^35 + u^25*x^34 + u^10*x^33 + u^31*x^32 + u^45*x^28 + u^5*x^26 + x^25 + u^11*x^24 + u^5*x^22 + u^11*x^21 + u^16*x^20 + u^50*x^19 + u^42*x^18 + u^5*x^17 + u^4*x^16 + u^10*x^14 + u^23*x^13 + u^18*x^12 + u^8*x^11 + u^42*x^10 + u^25*x^9 + u^5*x^8 + u^6*x^7 + u^22*x^6 + u^42*x^5 + u^4*x^4 + u^39*x^3 + u^6*x^2 + u^28*x,

u^9*x^40 + u^9*x^20 + u^4*x^18 + u^9*x^12 + u^4*x^10 + x^9,

u^56*x^56 + u^10*x^52 + u^53*x^49 + u^25*x^48 + u^36*x^44 + u^18*x^42 + u^46*x^41 + u^53*x^40 + u^6*x^38 + u^33*x^37 + u^15*x^36 + u^38*x^35 + u^58*x^34 + u^13*x^33 + u^54*x^32 + u^37*x^28 + u^23*x^26 + u^44*x^25 + u^14*x^24 + u^14*x^22 + u^30*x^21 + u^61*x^20 + u^37*x^19 + u^12*x^18 + u^24*x^17 + u^59*x^16 + u^60*x^14 + u^51*x^13 + u^14*x^12 + x^11 + u^38*x^10 + u^14*x^9 + u^58*x^8 + u^16*x^7 + u^14*x^6 + u^5*x^5 + u^45*x^4 + u^57*x^3 + u^8*x^2 + u^41*x,

u^40*x^56 + u^54*x^52 + u^3*x^50 + u^14*x^49 + u^25*x^48 + u^8*x^44 + u^13*x^42 + u^29*x^41 + u^55*x^40 + u^2*x^38 + u^7*x^37 + u^18*x^36 + u^9*x^35 + u^54*x^34 + u^54*x^33 + x^32 + u*x^28 + u^18*x^26 + u^3*x^25 + u^40*x^24 + u^24*x^22 + u^10*x^21 + u^11*x^20 + u^48*x^19 + u^25*x^18 + u^22*x^17 + u^41*x^16 + x^14 + u^12*x^12 + u^32*x^11 + u^38*x^10 + u^28*x^9 + u^49*x^8 + u^17*x^7 + u^51*x^6 + u^18*x^5 + u^41*x^4 + u^42*x^3 + u^37*x^2 + u^51*x,

u^11*x^56 + u^32*x^52 + u^60*x^50 + u^30*x^49 + u^13*x^48 + u^48*x^44 + u^41*x^42 + u^6*x^41 + u^61*x^40 + u^58*x^38 + u^58*x^36 + u^7*x^35 + u^22*x^34 + u^40*x^33 + u^35*x^32 + u^24*x^28 + u^11*x^26 + u^3*x^25 + u^20*x^24 + u^25*x^22 + u^4*x^21 + u^24*x^20 + u^11*x^19 + u^45*x^18 + u^18*x^17 + u*x^16 + u^62*x^14 + u^11*x^13 + u^50*x^12 + u^4*x^11 + u^10*x^10 + u^6*x^9 + u^13*x^8 + u^41*x^7 + u^15*x^6 + u^26*x^5 + u^50*x^4 + u^15*x^3 + u^8*x^2 + u^4*x,

u^47*x^56 + u^38*x^52 + u^42*x^50 + u^18*x^49 + u^36*x^48 + u^6*x^44 + u^55*x^42 + u^3*x^41 + u^14*x^40 + u^24*x^38 + u^57*x^37 + u^17*x^36 + u^12*x^35 + u^16*x^34 + u^16*x^33 + x^32 + u^36*x^28 + u^4*x^26 + u^47*x^25 + u^27*x^24 + u^60*x^22 + u^32*x^21 + u^21*x^20 + u^9*x^18 + u^5*x^17 + u^52*x^16 + u^40*x^14 + u^46*x^13 + u^44*x^12 + u^2*x^11 + u^40*x^10 + u^4*x^9 + u^19*x^8 + u^62*x^7 + u^36*x^6 + u^23*x^5 + u^44*x^4 + u^53*x^3 + u^21*x^2 + u^3*x,

u^44*x^56 + u^27*x^52 + u^8*x^50 + u^28*x^49 + u^11*x^48 + u^43*x^44 + x^42 + u^62*x^41 + u^17*x^40 + u^52*x^38 + u^58*x^37 + u^42*x^36 + u^14*x^35 + u^33*x^34 + u^6*x^33 + u^61*x^32 + u^40*x^28 + u^51*x^26 + u^50*x^25 + x^24 + u^5*x^22 + u^37*x^21 + u^39*x^20 + u^4*x^19 + u^17*x^18 + u^18*x^17 + u^37*x^16 + u^4*x^14 + u^6*x^13 + u^61*x^12 + u^40*x^11 + u^7*x^10 + u^50*x^9 + u^12*x^8 + u^31*x^7 + u^23*x^6 + u^51*x^5 + u^36*x^4 + u^25*x^3 + u^7*x^2 + u^62*x,

u^35*x^56 + u^27*x^52 + u^4*x^50 + u^48*x^49 + u^27*x^48 + u^52*x^44 + u^18*x^42 + u^9*x^40 + u^28*x^38 + u^28*x^37 + u*x^36 + u^44*x^35 + u*x^34 + u^60*x^33 + u^58*x^32 + u^9*x^28 + x^26 + u^54*x^25 + u^56*x^24 + u^53*x^22 + u^33*x^21 + u^40*x^20 + u^28*x^19 + u^21*x^18 + u^8*x^17 + u^52*x^16 + u^33*x^14 + u^24*x^13 + u^36*x^12 + u^60*x^11 + u^14*x^10 + u^29*x^8 + u^52*x^7
+
u^57*x^6 + u^34*x^5 + u^38*x^4 + u^5*x^3 + u^12*x^2 + u^27*x,

u^12*x^56 + u^46*x^52 + u^50*x^50 + u^44*x^49 + u^12*x^48 + u^12*x^44 + u^4*x^42 + u^18*x^41 + u^37*x^40 + x^38 + u^27*x^37 + u^51*x^36 + u^48*x^35 + u^59*x^34 + u^18*x^33 + u^15*x^32 + u^43*x^28 + u^31*x^26 + u^20*x^25 + u^19*x^24 + u^45*x^22 + u^23*x^21 + u^62*x^20 + u^59*x^19 + u^24*x^18 + u^22*x^17 + u^45*x^16 + u^60*x^14 + u^17*x^13 + u^21*x^12 + u^53*x^11 + u^10*x^10 + u^27*x^9 + u^40*x^8 + u^24*x^7 + u^48*x^6 + u^50*x^5 + u^30*x^4 + u^17*x^3 + u^4*x^2 + u^51*x,

u^30*x^60 + u^11*x^58 + u^60*x^57 + u^43*x^56 + u^54*x^54 + u^22*x^53 + u^45*x^52 + u^57*x^51 + u^60*x^50 + u^8*x^49 + u^4*x^48 + u^50*x^46 + u^45*x^45 + u^22*x^44 + u^44*x^43 + u^30*x^42 + u^31*x^41 + u^42*x^40 + u^51*x^39 + u^27*x^38 + u^42*x^37 + u^59*x^36 + u^53*x^35 + u^2*x^34 + u^2*x^33 + u^5*x^32 + u^15*x^30 + u^37*x^29 + u^47*x^28 + u^27*x^27 + u^26*x^26 + u^22*x^25
+
u^39*x^24 + u^25*x^23 + u^17*x^22 + u^30*x^21 + u^31*x^20 + u^14*x^19 + u^37*x^18 + u^36*x^17 + u^42*x^16 + u^39*x^15 + u^24*x^14 + u^60*x^13 + u^17*x^12 + u^52*x^11 + u^3*x^10 + u^23*x^9 + u^40*x^8 + u^15*x^7 + u^62*x^6 + u^9*x^5 + u^5*x^4 + u^7*x^3 + u^51*x^2 + u^45*x,

u^54*x^56 + u*x^52 + u^10*x^50 + u^56*x^49 + u^7*x^48 + u^50*x^44 + u^28*x^42 + u^36*x^40 + u^17*x^38 + u^28*x^37 + u^34*x^36 + u^16*x^35 + u^53*x^34 + u^35*x^33 + u^19*x^32 + u^22*x^28 + u^19*x^26 + u^26*x^25 + u^33*x^24 + u^43*x^22 + u^16*x^21 + u^5*x^20 + u^49*x^19 + u^49*x^18 + u^12*x^17 + u^6*x^16 + u^2*x^14 + u^38*x^13 + u^44*x^12 + u^55*x^11 + u^28*x^10 + u^4*x^9 + u^48*x^8 + u^24*x^7 + u^58*x^6 + u^6*x^5 + u*x^4 + u^59*x^3 + u^35*x^2 + u^37*x,

u^58*x^56 + u^42*x^52 + u^23*x^50 + u^25*x^49 + u^8*x^48 + u^37*x^44 + u^62*x^42 + u^36*x^41 + u^54*x^40 + u^62*x^38 + u*x^37 + u^17*x^36 + u^8*x^35 + u^48*x^34 + u^28*x^33 + u^52*x^32 + u^24*x^28 + u^52*x^26 + u*x^25 + x^24 + u^2*x^22 + u^22*x^21 + u^28*x^20 + u^45*x^19 + u^17*x^18 + u^61*x^17 + u^34*x^16 + u^41*x^14 + u^26*x^13 + u^53*x^12 + x^11 + u^43*x^10 + u^10*x^9
+
u^13*x^8 + u^20*x^7 + u^38*x^6 + u^45*x^5 + u^29*x^4 + u^13*x^3 + u^13*x^2 + u^53*x,

u^12*x^60 + u^56*x^58 + u^42*x^57 + u^56*x^56 + u^36*x^54 + u^4*x^53 + u^6*x^52 + u^39*x^51 + u^41*x^50 + u^32*x^49 + u^54*x^48 + u^32*x^46 + u^27*x^45 + u^26*x^44 + u^26*x^43 + u^12*x^42 + u^9*x^41 + u^32*x^40 + u^33*x^39 + u^27*x^38 + u^10*x^37 + u^28*x^36 + u^50*x^35 + u^7*x^34 + u^10*x^33 + u^56*x^32 + u^60*x^30 + u^19*x^29 + u^3*x^28 + u^9*x^27 + u^25*x^26 + u^49*x^25 + u^6*x^24 + u^7*x^23 + u^36*x^22 + u^24*x^21 + u^48*x^20 + u^53*x^19 + u^44*x^18 + u^3*x^17 + u^40*x^16 + u^21*x^15 + u^33*x^14 + u^22*x^13 + u^15*x^12 + u^9*x^11 + u^13*x^10 + u^36*x^9 + u^23*x^8 + u^4*x^7 + u^49*x^6 + u^61*x^5 + u^58*x^4 + u^60*x^3 + u^52*x^2 + u*x,

u^26*x^56 + u^17*x^52 + u^3*x^50 + u^57*x^49 + u^3*x^48 + u^23*x^44 + u^3*x^42 + u^58*x^41 + u^19*x^40 + u^4*x^38 + u^50*x^37 + u^6*x^36 + u^32*x^35 + u^30*x^34 + u^48*x^33 + u^34*x^32 +
u^12*x^28 + u^61*x^26 + u^11*x^25 + u^21*x^24 + u^19*x^22 + u^52*x^21 + u*x^20 + u^34*x^19 + u^53*x^18 + u^47*x^17 + u^15*x^16 + u^41*x^14 + u^19*x^13 + u^24*x^12 + u^49*x^11 + u^40*x^10
+
u^11*x^9 + x^8 + u^24*x^7 + u^47*x^6 + u^39*x^5 + u^38*x^4 + u^15*x^3 + u^4*x^2 + u^31*x,

u^3*x^56 + u^34*x^52 + u^10*x^50 + u^4*x^49 + u^33*x^48 + u^38*x^44 + x^42 + u^19*x^41 + u^32*x^40 + u^57*x^38 + u^24*x^37 + u^23*x^36 + u^37*x^35 + u^52*x^34 + u^38*x^33 + u^52*x^32 +
u^24*x^28 + u^43*x^26 + u^10*x^25 + u^30*x^24 + u^56*x^22 + u^24*x^21 + u^39*x^20 + u^51*x^19 + u^13*x^18 + u^57*x^17 + u^12*x^16 + u^56*x^14 + u^61*x^13 + u^29*x^12 + u^47*x^11 +
u^14*x^10 + u^61*x^9 + u^61*x^8 + u^25*x^7 + u^6*x^6 + u^16*x^5 + u^22*x^4 + u^13*x^3 + u^28*x^2 + u^8*x
];

Function:
u^52*x^3 + u^47*x^5 + u*x^6 + u^9*x^9 + u^44*x^12 + u^47*x^33 + u^10*x^34 + u^33*x^40,

#EA-Classes: 92

DEEGREE: {* 2, 3^^69, 4^^22 *}

Representatives:

[
u^28*x^56 + u^60*x^52 + u^6*x^50 + u^42*x^49 + u^18*x^48 + u^62*x^44 + u^23*x^42 + u^11*x^41 + u^59*x^40 + x^38 + u^9*x^37 + u^53*x^36 + u^26*x^35 + u^60*x^34 + u^37*x^33 + u^45*x^32 +
u^15*x^28 + u^59*x^26 + u^52*x^25 + u^38*x^24 + u^9*x^22 + u^43*x^21 + u^12*x^20 + u^46*x^19 + x^18 + u^30*x^17 + u^14*x^14 + u^35*x^13 + u^55*x^12 + u^5*x^11 + u^31*x^10 + u^54*x^9 +
u^57*x^8 + u^17*x^7 + u^19*x^6 + u^28*x^5 + u^32*x^4 + u^8*x^3 + u^37*x^2 + u^34*x,

u^41*x^56 + u^33*x^52 + u^34*x^50 + u^51*x^49 + u^38*x^48 + u^19*x^44 + u^2*x^42 + u^14*x^41 + u^37*x^40 + u^21*x^38 + u^23*x^37 + u^49*x^36 + u^2*x^35 + u^7*x^34 + u^8*x^33 + u^46*x^32 +
u^24*x^28 + u^20*x^26 + u^7*x^25 + u^61*x^24 + u^54*x^22 + u^27*x^21 + u^14*x^20 + u^54*x^19 + u^2*x^18 + u^10*x^17 + u^39*x^16 + u^53*x^14 + u^40*x^13 + u^62*x^12 + u^16*x^11 +
u^20*x^10 + u^35*x^9 + u^14*x^8 + u^47*x^7 + u^51*x^6 + u^11*x^5 + u^46*x^4 + u^25*x^3 + u^59*x^2 + u^17*x,

u^60*x^56 + u^37*x^52 + u^30*x^50 + u^26*x^49 + u^40*x^48 + u^34*x^44 + u^51*x^42 + u^61*x^41 + u^55*x^38 + u^16*x^37 + u^56*x^36 + u^52*x^35 + u^7*x^34 + u^5*x^33 + u^8*x^32 + u^53*x^28 +
u^45*x^26 + u^62*x^25 + u^20*x^24 + u^15*x^22 + u^13*x^21 + u^43*x^20 + u^53*x^19 + u^53*x^18 + u^29*x^17 + x^16 + u^44*x^14 + u^57*x^13 + u^47*x^12 + u^26*x^11 + u^55*x^10 + u^47*x^9
+ u^54*x^8 + u^46*x^7 + u^28*x^6 + u^31*x^5 + u^30*x^4 + u^27*x^3 + u^2*x^2 + u^25*x,

u^58*x^56 + u^38*x^52 + u^28*x^50 + u^57*x^48 + u^46*x^44 + u^60*x^42 + u^48*x^41 + u^51*x^40 + u^7*x^38 + u*x^37 + u^54*x^36 + u^9*x^35 + u^45*x^34 + u^29*x^33 + u^2*x^32 + u*x^28 +
u^13*x^26 + u^3*x^25 + u^20*x^24 + u^38*x^22 + u^52*x^21 + u^39*x^20 + u^28*x^19 + u^20*x^18 + u^31*x^17 + u^4*x^16 + u^35*x^14 + u^19*x^13 + u^44*x^12 + u^53*x^11 + u^12*x^10 +
u^17*x^9 + u^31*x^8 + u^42*x^7 + u^14*x^6 + u^48*x^5 + u^32*x^4 + u*x^3 + u^50*x^2 + u^47*x,

u^14*x^60 + u^58*x^58 + u^44*x^57 + u^44*x^56 + u^38*x^54 + u^6*x^53 + u^32*x^52 + u^41*x^51 + u^6*x^50 + u^7*x^49 + u^34*x^46 + u^29*x^45 + u^47*x^44 + u^28*x^43 + u^5*x^42 + u^9*x^41 +
u^15*x^40 + u^35*x^39 + u^3*x^38 + u*x^37 + u^20*x^36 + u^13*x^35 + u^47*x^33 + u^33*x^32 + u^62*x^30 + u^21*x^29 + u^43*x^28 + u^11*x^27 + u^19*x^26 + u^28*x^25 + u^22*x^24 + u^9*x^23
+ u^45*x^22 + u^38*x^21 + u^40*x^20 + u^37*x^19 + u^57*x^18 + u^55*x^17 + u^14*x^16 + u^23*x^15 + u^38*x^14 + u^15*x^13 + u*x^12 + u^55*x^11 + u^4*x^10 + u^50*x^9 + u^32*x^8 + u^12*x^7
+ u^49*x^6 + u^37*x^5 + u*x^4 + u^26*x^3 + u^11*x^2 + u^17*x,

u^39*x^56 + u^5*x^52 + u^57*x^50 + u^26*x^49 + u^58*x^48 + u^57*x^44 + u^31*x^42 + u^5*x^41 + u^3*x^40 + u^37*x^38 + u^48*x^37 + u^29*x^36 + u^4*x^35 + u^2*x^34 + u^8*x^33 + u^31*x^32 +
u^15*x^28 + u^6*x^26 + u^47*x^25 + u^55*x^24 + u^58*x^22 + u^3*x^21 + u^35*x^20 + u^19*x^19 + u^38*x^18 + u^10*x^17 + u^59*x^16 + u^56*x^14 + u^61*x^13 + u^16*x^12 + u^59*x^11 +
u^50*x^10 + u^40*x^9 + u^53*x^8 + u^30*x^7 + u^33*x^6 + u^55*x^5 + u^47*x^4 + u^34*x^3 + u^40*x^2 + u^9*x,

u^34*x^60 + u^15*x^58 + u*x^57 + u^27*x^56 + u^58*x^54 + u^26*x^53 + u^14*x^52 + u^61*x^51 + u^52*x^50 + u^53*x^49 + u*x^48 + u^54*x^46 + u^49*x^45 + u^33*x^44 + u^48*x^43 + u^37*x^42 +
x^41 + u^2*x^40 + u^55*x^39 + u^57*x^38 + u^16*x^37 + u^42*x^36 + u^43*x^34 + u^54*x^33 + u^44*x^32 + u^19*x^30 + u^41*x^29 + u^32*x^28 + u^31*x^27 + u^49*x^26 + u^25*x^25 + u^28*x^24
+ u^29*x^23 + u^14*x^22 + u^21*x^21 + u^53*x^20 + u^58*x^19 + u^37*x^18 + u^30*x^17 + u^33*x^16 + u^43*x^15 + u^27*x^14 + u^49*x^13 + u^6*x^12 + u^53*x^11 + u^41*x^10 + u^31*x^9 +
u^38*x^8 + u^3*x^7 + u^31*x^6 + u^59*x^5 + u^36*x^4 + u^35*x^3 + u^19*x^2 + u^13*x,

u^56*x^56 + u^31*x^52 + u^40*x^50 + u^28*x^49 + u^37*x^48 + u^61*x^44 + u^30*x^42 + u^55*x^41 + u^15*x^40 + u^35*x^38 + u^41*x^37 + u^55*x^36 + u^52*x^35 + u^18*x^34 + u^34*x^33 +
u^13*x^32 + u^26*x^28 + u^20*x^26 + u^55*x^25 + u^54*x^24 + u^34*x^22 + u^48*x^21 + u^26*x^19 + u^34*x^18 + u^58*x^17 + u^30*x^16 + u^59*x^14 + u^33*x^13 + u^60*x^12 + u^39*x^11 +
u^62*x^10 + u^7*x^9 + u^37*x^8 + u^21*x^7 + u^50*x^6 + u^53*x^5 + u^31*x^4 + u^3*x^3 + u^41*x^2 + u^51*x,

u^38*x^56 + u^55*x^52 + u^37*x^50 + u^47*x^49 + u^47*x^48 + u^40*x^44 + u^40*x^42 + u^4*x^41 + u^9*x^40 + u^39*x^38 + u^10*x^37 + u^4*x^36 + u^39*x^35 + x^34 + u^58*x^33 + u^59*x^32 +
u^18*x^28 + u^35*x^26 + u^10*x^25 + u^10*x^24 + u^21*x^22 + u*x^21 + u^62*x^20 + u^22*x^19 + u^51*x^17 + u*x^16 + u^6*x^14 + u^42*x^13 + u^54*x^12 + u^27*x^11 + u^18*x^10 + u^36*x^9 +
u^36*x^8 + u^47*x^7 + u^37*x^6 + u^25*x^5 + u^50*x^4 + u^20*x^3 + u^14*x^2 + u^37*x,

u^31*x^60 + u^12*x^58 + u^61*x^57 + u^50*x^56 + u^55*x^54 + u^23*x^53 + u^32*x^52 + u^58*x^51 + u^44*x^50 + u^34*x^49 + x^48 + u^51*x^46 + u^46*x^45 + u^56*x^44 + u^45*x^43 + u^48*x^42 +
u^43*x^41 + u^61*x^40 + u^52*x^39 + u^6*x^38 + u^20*x^37 + u^23*x^36 + u^57*x^35 + u^3*x^34 + u^47*x^33 + u^40*x^32 + u^16*x^30 + u^38*x^29 + u^62*x^28 + u^28*x^27 + u^9*x^26 +
u^44*x^25 + u^16*x^24 + u^26*x^23 + u^50*x^22 + u^14*x^21 + u^56*x^20 + u^7*x^19 + u^52*x^18 + u^54*x^17 + u^45*x^16 + u^40*x^15 + u^18*x^14 + u^53*x^13 + u^8*x^12 + u^17*x^11 +
u^20*x^10 + u^43*x^9 + u^10*x^8 + u^14*x^7 + u^43*x^6 + u^9*x^5 + u^26*x^4 + u^4*x^3 + u^22*x^2 + u^26*x,

u^54*x^56 + u^19*x^52 + u^3*x^50 + u^10*x^49 + u^52*x^48 + u^31*x^44 + u^61*x^42 + u^33*x^41 + u^47*x^40 + u^51*x^38 + u^18*x^37 + u^33*x^36 + u^6*x^35 + u^60*x^34 + u^55*x^33 + u^33*x^32
+ u^31*x^28 + u^7*x^26 + u^36*x^25 + u^10*x^24 + u^46*x^22 + u^44*x^21 + u^18*x^20 + u^38*x^19 + u^49*x^18 + u^49*x^17 + u^62*x^16 + u^30*x^14 + u*x^13 + u^29*x^12 + u^41*x^11 +
u^17*x^10 + u^17*x^9 + u^42*x^8 + u^62*x^7 + u^43*x^6 + u^37*x^5 + u^21*x^4 + u^27*x^3 + u^23*x^2 + u^22*x,

u^15*x^56 + u^35*x^52 + u^28*x^50 + u^25*x^49 + u^49*x^48 + u^54*x^44 + u^48*x^41 + u^50*x^40 + x^38 + u^25*x^37 + x^36 + u*x^35 + u^40*x^34 + u^13*x^33 + u^22*x^32 + u^32*x^28 + u^35*x^26
+ u^25*x^25 + u^5*x^24 + u*x^21 + u^58*x^20 + u^38*x^19 + u^29*x^18 + u^42*x^17 + u^52*x^16 + u^22*x^14 + u^44*x^13 + u^18*x^12 + u^35*x^11 + u^5*x^10 + u^39*x^9 + u^55*x^8
+ x^7 + u^54*x^6 + u^15*x^5 + u^22*x^4 + u^51*x^3 + u^4*x^2 + u^3*x,

u^8*x^60 + u^52*x^58 + u^38*x^57 + u^57*x^56 + u^32*x^54 + x^53 + u^62*x^52 + u^35*x^51 + u^50*x^50 + u^5*x^49 + u^33*x^48 + u^28*x^46 + u^23*x^45 + u^55*x^44 + u^22*x^43 + u^56*x^42 +
u^33*x^41 + u^30*x^40 + u^29*x^39 + u^15*x^38 + u^21*x^37 + u^44*x^36 + u^2*x^35 + u^32*x^34 + u^20*x^33 + u^58*x^32 + u^56*x^30 + u^15*x^29 + u^17*x^28 + u^5*x^27 + u^11*x^26 +
u^54*x^25 + u^54*x^24 + u^3*x^23 + u^24*x^22 + u^50*x^21 + u^55*x^20 + u^36*x^19 + u^37*x^18 + u^19*x^17 + u^14*x^16 + u^17*x^15 + u^51*x^14 + u^6*x^13 + u^13*x^12 + u^35*x^11 +
u^52*x^10 + u^22*x^9 + u^16*x^8 + u^41*x^7 + u^6*x^6 + u^9*x^5 + u^12*x^4 + u^6*x^3 + u*x^2 + u^42*x,

u^32*x^60 + u^13*x^58 + u^62*x^57 + u^4*x^56 + u^56*x^54 + u^24*x^53 + u^28*x^52 + u^59*x^51 + u^7*x^50 + u^50*x^49 + u^35*x^48 + u^52*x^46 + u^47*x^45 + u^12*x^44 + u^46*x^43 + u^3*x^42 +
u^6*x^41 + u^24*x^40 + u^53*x^39 + u^18*x^38 + u^41*x^37 + u^34*x^36 + u^35*x^35 + u^57*x^34 + u^30*x^33 + u^59*x^32 + u^17*x^30 + u^39*x^29 + u^20*x^28 + u^29*x^27 + u^53*x^25 +
u^58*x^24 + u^27*x^23 + u^48*x^22 + u^5*x^21 + u^33*x^20 + u^41*x^19 + u^37*x^18 + u^42*x^17 + u^28*x^16 + u^41*x^15 + u^36*x^14 + u^31*x^13 + u^50*x^12 + u^19*x^11 + u^60*x^10 +
u^54*x^9 + u^37*x^8 + u^20*x^7 + u^4*x^6 + u^62*x^5 + u^25*x^4 + u^53*x^3 + u^13*x^2 + u^11*x,

u^47*x^60 + u^28*x^58 + u^14*x^57 + u^22*x^56 + u^8*x^54 + u^39*x^53 + u^45*x^52 + u^11*x^51 + x^50 + u^3*x^49 + u^55*x^48 + u^4*x^46 + u^62*x^45 + u^39*x^44 + u^61*x^43 + u^59*x^42 +
u^2*x^41 + u^38*x^40 + u^5*x^39 + u^52*x^38 + u^12*x^37 + u^55*x^36 + u^10*x^35 + u^28*x^33 + u^31*x^32 + u^32*x^30 + u^54*x^29 + u^30*x^28 + u^44*x^27 + u^4*x^26 + u^12*x^25 +
u^27*x^24 + u^42*x^23 + x^22 + u^62*x^21 + u^10*x^20 + u^3*x^19 + u^9*x^18 + u^37*x^17 + u^10*x^16 + u^56*x^15 + u^31*x^14 + u*x^13 + u^56*x^12 + x^11 + u^23*x^10 + u^51*x^9 + u*x^8 +
u^60*x^7 + u^48*x^6 + u^46*x^5 + u^49*x^4 + u^22*x^3 + u^9*x^2 + u^35*x,

u^15*x^56 + u^9*x^52 + u^44*x^50 + u^8*x^49 + u^60*x^48 + u^29*x^44 + u^46*x^42 + u^7*x^41 + u^20*x^40 + u^45*x^38 + u^19*x^37 + u^53*x^36 + u^29*x^35 + u^23*x^34 + u^49*x^33 + u^55*x^32 +
u^42*x^28 + u^23*x^26 + u^5*x^25 + u^6*x^24 + u^46*x^22 + u^53*x^21 + u^15*x^20 + u^16*x^19 + u^47*x^18 + u^12*x^17 + u^18*x^16 + u^31*x^14 + u^49*x^13 + u^8*x^12 + u^44*x^11 +
u^32*x^10 + u^31*x^9 + u^54*x^8 + u^57*x^7 + u^56*x^6 + u^50*x^5 + u^48*x^4 + u^61*x^3 + u^42*x^2 + u^58*x,

u^18*x^56 + u^18*x^52 + u^19*x^50 + u^12*x^49 + u^27*x^48 + u^55*x^44 + u^14*x^42 + u^57*x^41 + u^50*x^40 + u^35*x^38 + u^56*x^37 + u^26*x^36 + u^61*x^35 + u^9*x^34 + u^4*x^33 + u^6*x^32 +
u^40*x^28 + u^32*x^26 + u^19*x^25 + u^6*x^24 + u^52*x^22 + u^47*x^21 + u^5*x^20 + u^33*x^19 + u^9*x^18 + u^40*x^17 + u^45*x^16 + u^7*x^14 + u^44*x^13 + u^3*x^12 + u^2*x^11 + u^19*x^10
+ u^43*x^9 + u^30*x^8 + u^62*x^7 + u^34*x^6 + u^33*x^5 + u^10*x^4 + u^56*x^3 + u^31*x^2 + u^55*x,

u^38*x^56 + u^49*x^52 + u^2*x^50 + u^30*x^49 + u^61*x^48 + u^7*x^44 + u^35*x^42 + u^21*x^41 + u^38*x^40 + u^20*x^38 + u*x^37 + u^26*x^36 + u^19*x^35 + u^17*x^34 + u^29*x^33 + u^56*x^32 +
u^40*x^28 + u^56*x^26 + u^13*x^25 + u^26*x^24 + u^59*x^22 + u^55*x^21 + u^3*x^20 + u^8*x^18 + u^24*x^19 + u^49*x^18 + u^42*x^17 + u^43*x^16 + u^18*x^14 + u^7*x^13 + u^6*x^11 + u^38*x^10 + u^2*x^9
+ u^52*x^8 + u^47*x^7 + u^30*x^6 + u^50*x^5 + u^32*x^4 + u^13*x^3 + u^50*x^2 + u^17*x,

u^44*x^56 + u^16*x^52 + u^7*x^50 + u^43*x^49 + u^26*x^48 + u^47*x^44 + u^13*x^42 + u^52*x^41 + u^46*x^40 + u^52*x^38 + u^10*x^37 + u^6*x^36 + u^4*x^35 + u^44*x^34 + u^61*x^33 + u^21*x^32 +
u^12*x^28 + u^9*x^26 + u^16*x^25 + u^34*x^24 + u^44*x^22 + u^11*x^21 + u^49*x^20 + u^41*x^19 + u^10*x^18 + u^16*x^17 + u^31*x^16 + u^2*x^14 + u^57*x^13 + u^52*x^12 + u^60*x^11 +
u^57*x^10 + u^41*x^9 + u^20*x^8 + u^11*x^7 + u^42*x^6 + u^28*x^5 + u^28*x^4 + u^43*x^3 + u^36*x^2 + u^39*x,

u^17*x^56 + u^48*x^52 + u^7*x^50 + u^42*x^49 + u^39*x^48 + u^9*x^44 + u^16*x^42 + u^41*x^41 + u^3*x^40 + u^29*x^38 + u^57*x^37 + u^6*x^36 + u^40*x^35 + u^56*x^34 + u^48*x^33 + u^33*x^32 +
u^15*x^28 + u^61*x^26 + u^5*x^25 + u^55*x^24 + u^42*x^22 + u^56*x^21 + u^31*x^20 + u^33*x^19 + u^58*x^18 + u^16*x^17 + u^10*x^16 + u^62*x^14 + u*x^13 + u^21*x^12 + u^2*x^11 + u^22*x^10
+ u^10*x^9 + u^8*x^8 + u^25*x^7 + u^51*x^6 + u^19*x^5 + u^55*x^4 + u^14*x^3 + u^29*x^2 + u^51*x,

u^5*x^56 + u^26*x^52 + u^58*x^50 + u^58*x^49 + u^40*x^48 + u^4*x^44 + u^23*x^42 + u^39*x^41 + u^47*x^40 + u^17*x^38 + u^49*x^37 + u^23*x^36 + u^29*x^35 + u^28*x^34 + u^51*x^33 + u^30*x^32 + u^51*x^28 + u^50*x^26 + u^25*x^25 + u^10*x^24 + u^31*x^22 + u^31*x^21 + u^20*x^20 + u^37*x^19 + u^52*x^18 + u^39*x^17 + x^16 + u^37*x^14 + u^12*x^13 + u^4*x^12 + u^41*x^11 + u^19*x^10 + u^44*x^9 + u^15*x^8 + u^35*x^7 + u^4*x^6 + u^59*x^5 + u^32*x^4 + u^55*x^3 + u^31*x^2 + u^20*x,

u^14*x^60 + u^58*x^58 + u^44*x^57 + u^24*x^56 + u^38*x^54 + u^6*x^53 + u^36*x^52 + u^41*x^51 + u^42*x^50 + u^30*x^49 + u^46*x^48 + u^34*x^46 + u^29*x^45 + u^22*x^44 + u^28*x^43 + u^26*x^42 + u^53*x^41 + u*x^40 + u^35*x^39 + u^40*x^38 + u^14*x^37 + u^58*x^36 + u^37*x^35 + u^22*x^34 + u^8*x^33 + u^54*x^32 + u^62*x^30 + u^21*x^29 + u^15*x^28 + u^11*x^27 + u^33*x^26 + u^7*x^25 + u^3*x^24 + u^9*x^23 + u^2*x^22 + u^30*x^21 + u^27*x^20 + u^5*x^19 + u^59*x^18 + u^15*x^17 + u^13*x^16 + u^23*x^15 + u^59*x^13 + u^55*x^12 + u^45*x^11 + u^21*x^10 + u^4*x^9 + u^39*x^8 + u^6*x^7 + u^21*x^6 + u^41*x^5 + u^37*x^4 + u^12*x^3 + u^62*x^2 + u^15*x,

u^10*x^56 + u^19*x^52 + u^34*x^50 + u^3*x^49 + u^50*x^48 + u^11*x^44 + u^54*x^42 + u^13*x^41 + u^47*x^40 + u^24*x^38 + u^9*x^37 + u^21*x^36 + u^47*x^35 + u^58*x^34 + u^6*x^33 + u^47*x^32 + u^32*x^28 + u^13*x^26 + u^44*x^25 + u^7*x^24 + u^58*x^21 + u^58*x^20 + u^32*x^19 + u^28*x^18 + u^27*x^17 + u^41*x^16 + u^50*x^14 + u^46*x^13 + u^13*x^12 + u^39*x^11 + u^13*x^10 + u^41*x^9 + u^23*x^8 + u^30*x^7 + u^40*x^6 + u^38*x^5 + u^22*x^4 + u^40*x^3 + u^17*x^2 + u^60*x,

u^8*x^60 + u^52*x^58 + u^38*x^57 + u^38*x^56 + u^32*x^54 + x^53 + u^26*x^52 + u^35*x^51 + u^20*x^50 + u^47*x^49 + u^31*x^48 + u^28*x^46 + u^23*x^45 + u^29*x^44 + u^22*x^43 + u^55*x^42 + u^33*x^41 + u^12*x^40 + u^29*x^39 + u^24*x^37 + u^28*x^36 + u^16*x^35 + u^28*x^34 + u^10*x^33 + u^9*x^32 + u^56*x^30 + u^15*x^29 + u^40*x^28 + u^5*x^27 + u^38*x^26 + u^42*x^25 + u^19*x^24 + u^3*x^23 + u^45*x^22 + u^47*x^21 + u^45*x^20 + u^36*x^19 + u^3*x^18 + u^50*x^17 + u^53*x^16 + u^17*x^15 + u^43*x^14 + u^43*x^13 + u^26*x^12 + u^60*x^11 + u^43*x^10 + u^37*x^9 + u^21*x^8 + u^40*x^7 + u^10*x^6 + u^41*x^5 + u^20*x^4 + u^8*x^3 + u^44*x^2 + u^41*x,

u^38*x^56 + u^56*x^50 + u^16*x^49 + u^49*x^48 + u^61*x^44 + u^9*x^42 + u^33*x^41 + u^41*x^40 + u^37*x^38 + u^4*x^37 + u*x^36 + u^61*x^35 + u^51*x^34 + u^30*x^33 + u^37*x^32 + u^7*x^28 + u^14*x^26 + u^52*x^25 + u^12*x^24 + u^30*x^22 + u^42*x^21 + u^13*x^20 + u^56*x^19 + u^31*x^18 + u^19*x^17 + u^8*x^16 + u^52*x^14 + u^9*x^13 + u^37*x^12 + u^35*x^11 + u^58*x^10 + u^46*x^9 + u^21*x^8 + u^12*x^7 + u^57*x^6 + u^51*x^5 + u^38*x^4 + u^10*x^3 + u^59*x^2 + u^42*x,

u^10*x^56 + u^13*x^52 + u^24*x^50 + u^13*x^49 + u^4*x^48 + u^17*x^44 + u^16*x^42 + u^62*x^41 + u^55*x^40 + u^49*x^38 + u^5*x^37 + u^20*x^36 + u^4*x^35 + u^53*x^34 + u^5*x^33 + u^30*x^32 + u^56*x^28 + u^7*x^26 + u^15*x^25 + u^22*x^24 + u^60*x^21 + u^7*x^20 + u^51*x^19 + u^14*x^18 + u^16*x^17 + u^12*x^16 + u^58*x^14 + u^40*x^13 + u^33*x^12 + u^57*x^11 + u^33*x^10 + u^50*x^9 + u^26*x^8 + x^7 + u^22*x^6 + u^61*x^5 + u^20*x^4 + u^44*x^3 + u^23*x^2 + u^14*x,

u^33*x^40 + u^10*x^34 + u^47*x^33 + u^44*x^12 + u^9*x^9 + u*x^6 + u^47*x^5 + u^52*x^3,

u^7*x^56 + u^34*x^52 + u^34*x^50 + u^26*x^49 + u^4*x^48 + u^15*x^44 + u^25*x^42 + u^30*x^41 + u^7*x^40 + u^36*x^38 + u^21*x^37 + u^8*x^36 + u^8*x^35 + u^60*x^34 + u^5*x^33 + u^38*x^32 + u^29*x^28 + u^46*x^26 + u^50*x^25 + u^33*x^24 + u^61*x^22 + u^39*x^21 + u^30*x^20 + u^38*x^19 + u^17*x^18 + u^55*x^17 + u^49*x^16 + u^16*x^14 + u^11*x^13 + u^35*x^12 + u^21*x^11 + u^28*x^10 + u^14*x^9 + u^57*x^8 + u^18*x^7 + u^44*x^6 + u^25*x^5 + u^37*x^4 + u^33*x^3 + u^13*x^2 + u^25*x,

u^12*x^56 + u^9*x^52 + u*x^50 + u^52*x^49 + u^40*x^48 + u^20*x^44 + u^44*x^42 + u^13*x^41 + u^18*x^40 + u^11*x^38 + u^5*x^37 + u^38*x^36 + u^13*x^35 + u^41*x^34 + u^30*x^33 + u^59*x^32 + u^16*x^28 + u^33*x^26 + u^19*x^25 + u^10*x^24 + u^36*x^22 + u^22*x^21 + u^59*x^20 + u^3*x^19 + u*x^18 + u^20*x^17 + u^3*x^16 + u^48*x^14 + u^2*x^13 + u^45*x^12 + u^18*x^11 + u^34*x^10 + u^59*x^9 + u^30*x^8 + u^15*x^7 + u^2*x^6 + u^57*x^5 + u^50*x^4 + u^11*x^3 + u^18*x^2 + u^25*x,

u^2*x^56 + u^23*x^52 + u^28*x^50 + u^28*x^49 + u^9*x^48 + u^9*x^44 + u^35*x^42 + u^8*x^41 + u^17*x^40 + u^62*x^38 + u^18*x^37 + u^17*x^36 + u^36*x^35 + u^35*x^34 + u^54*x^33 + u^29*x^28 + u^15*x^26 + u^35*x^25 + u^37*x^24 + u^10*x^22 + u^10*x^21 + u^15*x^20 + x^19 + u^34*x^18 + u^3*x^17 + u^20*x^16 + u^5*x^14 + u^8*x^13 + u^17*x^12 + u^2*x^11 + u^49*x^10 + u^53*x^9 + u^35*x^8 + u^40*x^7 + u^51*x^6 + u^48*x^5 + u^24*x^4 + u^38*x^3 + u^27*x^2 + u^51*x,

u^40*x^56 + u^26*x^52 + u^4*x^50 + u*x^49 + u^8*x^48 + u^37*x^44 + u^10*x^42 + u^55*x^41 + u^22*x^40 + u^33*x^38 + u^24*x^37 + u^47*x^35 + u^21*x^34 + u^22*x^33 + u^47*x^32 + u^26*x^28 + u^58*x^26 + u^8*x^25 + u^13*x^24 + u^16*x^22 + u^33*x^21 + u^55*x^20 + u^12*x^19 + u^5*x^18 + u^41*x^17 + u^53*x^16 + u^61*x^14 + u^17*x^13 + u^30*x^12 + u^58*x^11 + u^39*x^10 + u^7*x^9 + u^24*x^8 + u^50*x^7 + u^30*x^6 + u^27*x^5 + u^46*x^4 + u^43*x^3 + u^6*x^2 + u^31*x,

u^32*x^56 + u^50*x^52 + u^8*x^50 + u^15*x^49 + u^47*x^48 + u^45*x^44 + u^46*x^42 + u^52*x^41 + u^11*x^40 + u^16*x^38 + u^42*x^37 + u^34*x^36 + u^20*x^35 + u^32*x^34 + u^17*x^33 + u^52*x^32 + u^3*x^28 + u^4*x^26 + u^48*x^25 + u^23*x^24 + u^26*x^22 + u^18*x^21 + u^24*x^20 + u^13*x^19 + u^7*x^18 + u^49*x^17 + u^52*x^16 + u^21*x^14 + u^17*x^13 + u^57*x^12 + u^7*x^11 + u^37*x^10 + u^30*x^9 + u^18*x^8 + u^46*x^7 + u^31*x^5 + u^40*x^4 + u^35*x^3 + u^51*x^2 + u^19*x,

u^22*x^60 + u^3*x^58 + u^52*x^57 + u^24*x^56 + u^46*x^54 + u^14*x^53 + u^13*x^52 + u^49*x^51 + u^59*x^50 + u^60*x^49 + u^24*x^48 + u^42*x^46 + u^37*x^45 + u^30*x^44 + u^36*x^43 + u^59*x^42 + u^47*x^41 + u^59*x^40 + u^43*x^39 + u^15*x^38 + u^20*x^37 + u^43*x^36 + u^58*x^35 + u^35*x^34 + u^34*x^32 + u^7*x^30 + u^29*x^29 + u^8*x^28 + u^19*x^27 + u^48*x^26 + u^29*x^25 + u^2*x^24 + u^17*x^23 + u^9*x^22 + u^58*x^21 + u^32*x^20 + u^61*x^19 + u^10*x^18 + u^43*x^17 + u^4*x^16 + u^31*x^15 + u^17*x^14 + u^6*x^13 + u^14*x^12 + u^31*x^11 + u^10*x^10 + u^53*x^9 + u^26*x^8 + u^53*x^7 + u^28*x^6 + u^52*x^5 + u^25*x^4 + u^17*x^3 + u^15*x^2 + u^46*x,

u^15*x^52 + u^6*x^50 + u^23*x^49 + u^55*x^48 + u^46*x^44 + u^50*x^42 + u^46*x^41 + u^59*x^40 + u^24*x^38 + u^52*x^37 + u^13*x^36 + u^58*x^35 + u^24*x^34 + u^56*x^33 + u^62*x^32 + u^30*x^28 + u^22*x^26 + u^50*x^25 + u^36*x^24 + u^58*x^22 + u^19*x^21 + u^61*x^20 + u^7*x^19 + x^18 + u^53*x^17 + u^5*x^16 + u^12*x^14 + u^59*x^13 + u^45*x^12 + u^21*x^11 + u^30*x^10 + u^34*x^9 + u^51*x^8 + u^14*x^7 + u^43*x^6 + u^31*x^5 + u^11*x^4 + u^28*x^3 + u^26*x^2 + u^13*x,

u^6*x^56 + u^27*x^52 + u^46*x^50 + u^9*x^49 + u^39*x^48 + u^53*x^42 + u^30*x^41 + u^15*x^40 + u^59*x^38 + u^50*x^37 + u^12*x^36 + u^19*x^35 + u^37*x^34 + u^24*x^33 + u^10*x^32 + u^49*x^28 + u^59*x^26 + u^30*x^25 + u^17*x^24 + u^57*x^22 + u^58*x^21 + u^22*x^20 + u^45*x^19 + u^24*x^18 + u^43*x^17 + u^52*x^16 + u^19*x^14 + u^43*x^13 + u^55*x^12 + u^55*x^11 + u^2*x^10 + u^27*x^9 + u^5*x^8 + u^9*x^7 + u^30*x^6 + u^10*x^5 + u^43*x^4 + u^23*x^3 + u^55*x^2 + u^15*x,

u^21*x^56 + u^42*x^52 + u^23*x^50 + u^60*x^49 + u^47*x^48 + u^49*x^44 + u^11*x^41 + u^10*x^40 + u^40*x^38 + u^7*x^37 + u*x^36 + u^19*x^35 + u^16*x^34 + u^34*x^33 + u^49*x^32 + u*x^28 + u^12*x^26 + u^49*x^25 + u^39*x^24 + u^27*x^22 + u^23*x^21 + u^25*x^20 + u^32*x^19 + u^12*x^18 + u^7*x^17 + u^18*x^16 + u^61*x^14 + u^7*x^13 + u^29*x^12 + u^3*x^11 + u^29*x^10 + u^2*x^9 + u^39*x^8 + u^30*x^7 + u^3*x^6 + u^18*x^4 + u^57*x^3 + u^21*x^2 + u^31*x,

u^44*x^56 + u*x^52 + u^48*x^50 + u^6*x^49 + u^51*x^48 + u^48*x^44 + u^30*x^42 + u^33*x^41 + u^28*x^40 + u^16*x^38 + u*x^37 + u^23*x^36 + u^7*x^35 + u^7*x^34 + u^16*x^33 + u^26*x^32 + u^33*x^28 + u^53*x^26 + u^17*x^25 + u^3*x^24 + u^57*x^22 + u^18*x^21 + u^40*x^20 + u^31*x^19 + u^44*x^18 + u^32*x^17 + u^3*x^16 + u^2*x^14 + u^32*x^13 + u^40*x^12 + u^43*x^11 + u^13*x^10 + u^5*x^9 + u^36*x^8 + u^50*x^7 + u^9*x^6 + u^14*x^5 + u^50*x^4 + u^52*x^3 + u^4*x^2 + u^52*x,

u^32*x^56 + u^9*x^52 + u^46*x^50 + u^20*x^49 + u^29*x^48 + u^41*x^44 + u^60*x^42 + u^12*x^41 + u^55*x^40 + u^20*x^38 + u^51*x^36 + u^29*x^35 + u^5*x^34 + u^5*x^33 + u^29*x^32 + u^43*x^28 + u^24*x^26 + u^8*x^25 + u^59*x^24 + u^4*x^22 + u^27*x^21 + u^16*x^20 + x^19 + u^60*x^18 + u^47*x^17 + u^60*x^16 + u^6*x^14 + u^45*x^13 + u^20*x^12 + u^43*x^11 + u^61*x^10 + u^6*x^9 + u^38*x^8 + u^8*x^7 + u^51*x^6 + u^38*x^5 + u^22*x^4 + u^10*x^3 + u^13*x^2 + u^34*x,

u^26*x^56 + u^39*x^52 + u^45*x^50 + u^38*x^49 + u^62*x^48 + u^21*x^44 + u^17*x^42 + u^45*x^41 + u^35*x^40 + u^36*x^38 + u^45*x^37 + u^55*x^36 + u^43*x^35 + u^46*x^34 + u^6*x^33 + u^26*x^32 + u^12*x^28 + u^45*x^26 + u^58*x^25 + u^19*x^24 + u^5*x^22 + u^27*x^20 + u^61*x^19 + u^61*x^18 + u^5*x^17 + u^40*x^16 + u^42*x^14 + u^17*x^13 + u^43*x^12 + u^58*x^11 + u^37*x^10 + u^8*x^9 + u^10*x^8 + u^27*x^7 + u^49*x^6 + u^39*x^5 + u^24*x^4 + u^45*x^3 + u^39*x^2 + u^45*x,

u^5*x^56 + u^16*x^52 + u^44*x^50 + u^40*x^49 + u^11*x^48 + u^12*x^44 + u^40*x^42 + u^17*x^41 + u^61*x^40 + u^60*x^38 + u^23*x^37 + u^40*x^36 + u^3*x^35 + u^45*x^34 + u^35*x^33 + u^58*x^32 + u^18*x^28 + u^19*x^26 + u^40*x^25 + u^56*x^24 + u^28*x^22 + u^46*x^21 + u^56*x^20 + u^10*x^19 + u^13*x^18 + u^56*x^17 + u^19*x^16 + u^41*x^14 + u^36*x^13 + u^59*x^12 + u^48*x^11 + u^13*x^10 + u^55*x^9 + u^31*x^8 + u^36*x^7 + u^22*x^6 + u^47*x^5 + u^15*x^4 + u^55*x^3 + u^61*x^2 + u^29*x,

u^40*x^56 + u^50*x^52 + u*x^50 + u^52*x^49 + u^45*x^48 + u^3*x^44 + u^31*x^42 + u^19*x^41 + u^29*x^40 + u^4*x^38 + u^44*x^37 + u^31*x^36 + u^60*x^35 + u^55*x^34 + u^18*x^33 + u^9*x^32 + u^62*x^28 + x^26 + u^28*x^25 + u^18*x^24 + u^56*x^22 + u^57*x^21 + u^3*x^20 + u^6*x^19 + u^24*x^18 + u^47*x^17 + u^4*x^16 + u^35*x^14 + u^44*x^13 + u^46*x^12 + u^30*x^11 + u^41*x^10 + u^26*x^9 + u^55*x^8 + u^35*x^7 + u^51*x^6 + u^58*x^4 + u^4*x^3 + u^33*x^2 + u^55*x,

u^13*x^56 + u^37*x^52 + u^3*x^50 + u^60*x^49 + u^6*x^48 + u^43*x^42 + u^62*x^41 + u^28*x^40 + u^18*x^38 + u^20*x^37 + u^54*x^36 + u^2*x^35 + u^58*x^34 + u^54*x^33 + u^15*x^32 + u^9*x^28 + u^28*x^26 + u^61*x^25 + u^55*x^24 + u*x^22 + u^55*x^21 + u^8*x^20 + u^34*x^19 + u^29*x^18 + u^45*x^17 + u^7*x^16 + u^33*x^14 + u^11*x^13 + u*x^12 + u^60*x^11 + u^26*x^10 + u^42*x^9 + u^35*x^8 + u^16*x^7 + u^17*x^6 + u^31*x^5 + u^40*x^4 + u^13*x^3 + u^42*x^2 + u^29*x,

u^44*x^56 + u^16*x^52 + u^8*x^50 + u^18*x^49 + u^6*x^48 + u^29*x^44 + u^42*x^42 + u^57*x^41 + u^50*x^40 + u^7*x^38 + u^46*x^37 + u^52*x^36 + u^11*x^35 + u^49*x^34 + u^37*x^33 + u^48*x^32 + u^41*x^28 + u^44*x^26 + u^61*x^25 + u^13*x^24 + u^19*x^22 + u^56*x^21 + u^46*x^20 + u^57*x^19 + u^50*x^18 + u^53*x^17 + u^43*x^16 + u^62*x^14 + u^49*x^13 + u^61*x^12 + u^15*x^11 + u*x^10 + u^27*x^9 + u^22*x^8 + u^53*x^7 + u^30*x^6 + u^14*x^5 + u^20*x^4 + u^36*x^3 + u^21*x^2 + u^17*x,

u^54*x^56 + u^62*x^52 + u^18*x^50 + u^13*x^49 + u^60*x^48 + u^39*x^44 + u^62*x^42 + u^29*x^41 + u^6*x^40 + u^41*x^38 + u^17*x^37 + u^62*x^36 + u^11*x^35 + u^31*x^34 + u^23*x^33 + u^52*x^32 + u^32*x^28 + u^46*x^26 + u^44*x^25 + u^42*x^24 + u^10*x^22 + u^45*x^21 + u^46*x^20 + u^36*x^19 + u^41*x^18 + u^7*x^17 + u^57*x^16 + u^56*x^14 + u^39*x^13 + u^10*x^12 + u^10*x^11 + u^58*x^10 + u^17*x^9 + u^58*x^8 + u^40*x^7 + u^50*x^6 + u^40*x^5 + u^5*x^4 + u^45*x^3 + u^42*x^2 + u^60*x,

u^52*x^56 + u^12*x^52 + u^56*x^50 + u^12*x^49 + u^60*x^48 + u^57*x^44 + u^32*x^42 + u^4*x^41 + u^59*x^40 + u^17*x^38 + u^41*x^37 + u^43*x^35 + u^10*x^34 + u^49*x^33 + u^48*x^32 + u^18*x^28 + u^9*x^26 + u^3*x^25 + u^8*x^24 + u^45*x^22 + u^21*x^21 + u^37*x^20 + u^57*x^19 + u^3*x^18 + u^51*x^17 + u^33*x^16 + u^21*x^14 + u^5*x^13 + u^8*x^12 + u^14*x^11 + u^5*x^10 + u^32*x^9 + u^17*x^8 + u^3*x^7 + u^10*x^6 + u^5*x^5 + u^32*x^4 + u^32*x^3 + u^26*x^2 + u^44*x,

u^53*x^56 + u^42*x^52 + u^47*x^50 + u^60*x^49 + u^31*x^48 + u^7*x^44 + u^3*x^42 + u^52*x^41 + u^39*x^40 + u^38*x^38 + u^41*x^37 + u^40*x^36 + u^22*x^34 + u^6*x^33 + u^35*x^32 + u^2*x^28 + u^13*x^26 + u^51*x^25 + u^7*x^24 + u^56*x^22 + u^41*x^21 + u^51*x^20 + u^62*x^19 + u^47*x^18 + u^59*x^17 + u^2*x^16 + u^8*x^14 + u^53*x^13 + u^54*x^12 + u^39*x^11 + u^5*x^10 + u^15*x^9 + u^40*x^8 + u^21*x^7 + u^51*x^6 + u^44*x^5 + u^23*x^4 + u^57*x^3 + u^40*x^2 + u^29*x,

u^24*x^56 + u^34*x^52 + u^31*x^49 + u^43*x^48 + u^44*x^44 + u^39*x^42 + u^21*x^41 + u^42*x^40 + u^36*x^38 + u^34*x^37 + u^16*x^36 + u^11*x^35 + u^16*x^34 + u^9*x^33 + u^16*x^32 + u^5*x^28 + u^20*x^26 + u^57*x^25 + u^2*x^24 + u*x^22 + u^9*x^21 + u^59*x^20 + u^47*x^19 + u^42*x^18 + u^55*x^17 + x^16 + u^34*x^14 + u^59*x^13 + u^24*x^12 + u^12*x^11 + u^5*x^10 + u^44*x^9 + u^5*x^7 + u^60*x^6 + u^5*x^5 + u^9*x^4 + u^49*x^3 + u^55*x^2 + u^60*x,

u^13*x^56 + u^22*x^52 + u^43*x^50 + u^14*x^49 + u^43*x^48 + u^12*x^44 + u^38*x^42 + u^19*x^41 + u^43*x^40 + u^42*x^38 + u^50*x^37 + u^26*x^36 + u^26*x^35 + u^59*x^34 + u^51*x^33 + u^6*x^32 + u^36*x^28 + u^56*x^26 + u^58*x^25 + u^53*x^24 + u^36*x^22 + u^29*x^21 + u^47*x^20 + u^20*x^19 + u^37*x^18 + u^26*x^17 + u^12*x^16 + u^4*x^14 + u^7*x^13 + u^47*x^12 + u^32*x^11 + u^24*x^10 + u^29*x^9 + u^42*x^8 + u^62*x^7 + u*x^6 + u^59*x^5 + u^31*x^4 + u^25*x^3 + u^62*x^2 + u^41*x,

u^39*x^56 + u^29*x^52 + u^25*x^50 + u^21*x^49 + u^44*x^48 + u^14*x^44 + u^3*x^42 + u^61*x^41 + u^13*x^40 + u^21*x^38 + u^61*x^37 + u^47*x^36 + u^60*x^35 + u^47*x^34 + u^16*x^33 + u^6*x^32 + u^7*x^28 + u^35*x^26 + u^60*x^25 + u^11*x^24 + u^13*x^22 + u^46*x^21 + u^39*x^20 + u^45*x^19 + u^26*x^18 + u^58*x^17 + u^23*x^16 + u^11*x^14 + u^49*x^13 + u^54*x^12 + u^16*x^11 + u^7*x^10 + u^39*x^9 + u^46*x^8 + u^51*x^7 + u^51*x^6 + u^41*x^5 + u^47*x^4 + u^5*x^3 + u^57*x^2 + u^23*x,

u^20*x^56 + u^53*x^52 + u^31*x^50 + u^19*x^49 + u^10*x^48 + u^26*x^44 + u^62*x^42 + u^8*x^41 + u^12*x^40 + u^56*x^38 + u^40*x^37 + u^20*x^36 + u^31*x^35 + u^5*x^34 + u^27*x^33 + u^37*x^32 + u^17*x^28 + u^26*x^26 + u^20*x^25 + u^52*x^24 + u^21*x^22 + u^36*x^21 + u^52*x^20 + u^34*x^19 + u^37*x^18 + u^31*x^17 + u^27*x^16 + u^2*x^14 + u^3*x^13 + u^6*x^12 + u^28*x^11 + u^27*x^10 + u^18*x^9 + u^21*x^8 + u*x^7 + u^34*x^6 + u^2*x^5 + u^39*x^4 + u^37*x^3 + u^31*x^2 + u^37*x,

u^39*x^56 + u^61*x^52 + u^45*x^50 + u^56*x^49 + u^39*x^48 + u^46*x^44 + u^8*x^42 + u^10*x^41 + u^59*x^40 + u^12*x^37 + x^36 + u^7*x^35 + u^45*x^33 + u^36*x^32 + u^5*x^28 + u^62*x^26 + u^18*x^25 + u^19*x^24 + u^21*x^22 + u^36*x^21 + u*x^20 + u^32*x^19 + u^25*x^18 + u^22*x^17 + u^27*x^16 + u^18*x^14 + u^18*x^13 + u^12*x^12 + u^31*x^11 + u^39*x^10 + u^22*x^9 + u^7*x^8 + u^12*x^7 + u^60*x^6 + u^34*x^5 + u^61*x^4 + u^8*x^3 + u^31*x^2 + u^48*x,

u^27*x^56 + u^47*x^52 + u^6*x^50 + u^47*x^49 + u^25*x^48 + u^4*x^44 + u^54*x^42 + u^10*x^41 + u^46*x^40 + u^29*x^38 + u^7*x^37 + u^9*x^36 + u^39*x^35 + u^33*x^34 + u^22*x^33 + u^21*x^32 + u^49*x^28 + u^3*x^26 + u^7*x^25 + u^36*x^24 + u^4*x^22 + x^21 + u^10*x^20 + u^43*x^19 + u^29*x^18 + u^29*x^17 + u^42*x^16 + u^50*x^14 + u^4*x^13 + u^37*x^12 + u^44*x^11 + u^62*x^10 + u^3*x^9 + u^3*x^8 + u^56*x^7 + u^44*x^6 + u^22*x^5 + u^27*x^4 + u^56*x^3 + u^16*x^2 + u^50*x,

u^35*x^56 + u^17*x^52 + u^9*x^50 + u^48*x^49 + u^41*x^48 + u^9*x^44 + u^35*x^42 + u^52*x^41 + u^29*x^40 + u^41*x^38 + u^35*x^37 + u^3*x^36 + u^41*x^35 + u^38*x^34 + u^62*x^33 + u^18*x^32 + u^22*x^28 + u^16*x^26 + u^31*x^25 + u*x^24 + u^36*x^22 + u^54*x^21 + u^11*x^20 + u^59*x^19 + u^13*x^18 + u^2*x^17 + u^12*x^16 + u*x^14 + u^19*x^13 + u^3*x^12 + u^27*x^10 + u^20*x^9 + u^55*x^8 + u^58*x^7 + u^55*x^6 + u^18*x^5 + u^22*x^4 + u^49*x^3 + u^27*x^2 + u^4*x,

u^22*x^56 + u^59*x^52 + u^50*x^50 + u^26*x^49 + u^12*x^48 + u^27*x^44 + u^19*x^42 + u^13*x^41 + u^52*x^40 + u^41*x^38 + u^38*x^37 + u^50*x^36 + u^37*x^35 + u^55*x^34 + u^8*x^33 + u^30*x^32 + u^8*x^28 + u^45*x^26 + u^58*x^25 + u^39*x^24 + u^25*x^22 + u^14*x^21 + u^3*x^20 + u^26*x^19 + u^40*x^18 + u^39*x^17 + u^55*x^16 + u^44*x^14 + u^44*x^13 + u^56*x^12 + u^48*x^11 + u^37*x^10 + u^6*x^9 + u^45*x^8 + u^15*x^7 + u^52*x^6 + u^40*x^5 + u^41*x^4 + u^6*x^3 + u^56*x^2 + u^3*x,

u^16*x^56 + u^16*x^52 + u^58*x^50 + u^8*x^49 + u^29*x^48 + u^57*x^44 + u^56*x^42 + u^21*x^41 + u^47*x^40 + u^32*x^38 + u^25*x^37 + u^14*x^36 + u^3*x^35 + u^21*x^34 + u^33*x^33 + u^34*x^32 + u^22*x^28 + u^18*x^26 + u^12*x^25 + u^42*x^24 + u*x^22 + u^2*x^21 + u^11*x^20 + u^34*x^19 + x^18 + u^5*x^17 + u^11*x^16 + u^61*x^14 + u*x^13 + u^12*x^12 + u^38*x^11 + u^48*x^10 + u^61*x^9 + u^16*x^8 + u^15*x^7 + u^22*x^6 + u^59*x^5 + u^9*x^4 + u^49*x^3 + u^35*x^2 + u^11*x,

u^49*x^56 + u^21*x^52 + u^44*x^50 + u^15*x^49 + u^23*x^48 + u*x^44 + u^24*x^42 + u^17*x^41 + u^20*x^40 + u^9*x^38 + u^40*x^37 + u^17*x^36 + u^25*x^35 + u^50*x^34 + u^43*x^33 + u^28*x^32 + u^37*x^28 + u^20*x^26 + u^42*x^25 + u^30*x^24 + u^52*x^22 + u^46*x^21 + u^42*x^20 + u^20*x^19 + u^53*x^18 + u^29*x^17 + u^9*x^16 + u^36*x^14 + x^13 + u^17*x^12 + u^7*x^11 + u^48*x^10 + u^53*x^9 + x^8 + u^24*x^7 + u^13*x^6 + u^19*x^5 + u^17*x^4 + u^9*x^3 + u^43*x^2 + u^33*x,

u^14*x^60 + u^58*x^58 + u^44*x^57 + u^44*x^56 + u^38*x^54 + u^6*x^53 + u^18*x^52 + u^41*x^51 + u^11*x^50 + u^22*x^49 + u^61*x^48 + u^34*x^46 + u^29*x^45 + u^44*x^44 + u^28*x^43 + u^31*x^42 + u^3*x^41 + u^7*x^40 + u^35*x^39 + u^49*x^38 + u^45*x^37 + u^30*x^36 + u^35*x^35 + u^8*x^34 + u^42*x^33 + u^14*x^32 + u^62*x^30 + u^21*x^29 + u^7*x^28 + u^11*x^27 + u^28*x^26 + u^50*x^25 + u^42*x^24 + u^9*x^23 + u^40*x^22 + u^6*x^21 + u^19*x^20 + u^49*x^19 + u^50*x^18 + u^31*x^17 + u^18*x^16 + u^23*x^15 + u^37*x^14 + u^3*x^13 + u^34*x^12 + u^20*x^11 + u*x^10 + u*x^9 + u^46*x^8 + u^29*x^7 + u^59*x^6 + u^32*x^5 + u^42*x^4 + u^19*x^3 + x^2 + u^28*x,

u^9*x^56 + u^39*x^52 + u^3*x^50 + u^52*x^49 + u^33*x^48 + u^50*x^44 + u^8*x^42 + u^60*x^41 + u^44*x^40 + u^4*x^38 + u^30*x^37 + u^29*x^36 + u^13*x^35 + u^59*x^34 + u^40*x^33 + u^15*x^32 + u^18*x^28 + u^51*x^26 + u^30*x^25 + u^45*x^24 + u^55*x^22 + u^33*x^21 + u^14*x^20 + u^11*x^19 + u^32*x^18 + u^47*x^17 + u^23*x^16 + u^14*x^14 + u^7*x^13 + u^11*x^12 + u^32*x^11 + u^52*x^10 + u^30*x^9 + u^22*x^8 + u^13*x^7 + x^6 + u^62*x^5 + u^43*x^4 + u^37*x^3 + u^3*x^2 + u^11*x,

u^7*x^56 + u^41*x^52 + u^48*x^50 + u^58*x^49 + u^58*x^48 + u^57*x^44 + u^45*x^42 + u^47*x^41 + u^54*x^40 + u^52*x^38 + u^36*x^37 + u^54*x^36 + u^51*x^35 + u^37*x^34 + u^8*x^33 + u^10*x^32 + u^32*x^28 + u^54*x^26 + u^40*x^25 + u^45*x^24 + u^33*x^22 + u^34*x^21 + u^45*x^20 + u^41*x^19 + u^47*x^18 + x^17 + u^58*x^16 + u^45*x^14 + u^22*x^13 + u^39*x^12 + u^3*x^11 + u^43*x^10 + u^37*x^9 + u^60*x^8 + u^2*x^7 + u^33*x^6 + u^2*x^5 + u^15*x^4 + u^49*x^3 + u^60*x^2 + u^40*x,

u^31*x^60 + u^12*x^58 + u^61*x^57 + u^50*x^56 + u^55*x^54 + u^23*x^53 + u^4*x^52 + u^58*x^51 + u^50*x^50 + u^32*x^49 + u^4*x^48 + u^51*x^46 + u^46*x^45 + u^35*x^44 + u^45*x^43 + u^59*x^42 + u^14*x^41 + u^26*x^40 + u^52*x^39 + u^12*x^38 + u^19*x^37 + u^57*x^36 + u^49*x^35 + u^37*x^34 + u^4*x^33 + u^51*x^32 + u^16*x^30 + u^38*x^29 + u^51*x^28 + u^28*x^27 + u^20*x^26 + u^2*x^25 + u^7*x^24 + u^26*x^23 + u^32*x^22 + u^21*x^21 + u^5*x^20 + u^33*x^19 + x^18 + u*x^17 + u^35*x^16 + u^40*x^15 + u^4*x^14 + u^10*x^13 + u^51*x^12 + u^9*x^11 + u^30*x^10 + u^9*x^9 + u^54*x^8 + u^21*x^7 + u^38*x^6 + u^29*x^5 + u^51*x^4 + u^26*x^2 + u^20*x,

u^3*x^56 + u^38*x^52 + u^44*x^50 + u^25*x^49 + u^49*x^48 + u^57*x^44 + u^55*x^42 + u^41*x^41 + x^40 + u^52*x^38 + u^15*x^37 + u^39*x^36 + u^38*x^35 + u^48*x^34 + u^28*x^33 + u^58*x^32 + u^48*x^28 + u^37*x^26 + u^14*x^25 + u^62*x^24 + u^46*x^22 + u^4*x^21 + u^54*x^20 + u^56*x^19 + u^4*x^18 + u^10*x^17 + u^26*x^16 + u^6*x^14 + u^54*x^13 + u^31*x^12 + u^6*x^11 + u^42*x^10 + u^33*x^9 + u^12*x^8 + u^37*x^7 + u^57*x^6 + u^57*x^5 + u^60*x^4 + u^6*x^3 + u^62*x^2 + u^16*x,

u^9*x^56 + u^6*x^52 + u^10*x^50 + u^2*x^49 + u^55*x^48 + u^13*x^44 + u^46*x^42 + u^51*x^41 + u^14*x^40 + u^58*x^38 + u^27*x^37 + u^46*x^36 + u^42*x^35 + u^16*x^34 + u^40*x^33 + u^4*x^32 + u^22*x^28 + u^46*x^26 + u^57*x^25 + u^53*x^24 + u^17*x^22 + u^32*x^21 + u^53*x^20 + u^24*x^19 + u^28*x^18 + u^34*x^17 + u^52*x^16 + u^45*x^14 + x^13 + u^30*x^12 + u^35*x^11 + x^10 + u^56*x^9 + u^55*x^8 + u^21*x^7 + u^21*x^6 + u^14*x^5 + u^58*x^4 + u^18*x^3 + u^49*x^2 + u^36*x,

u^56*x^56 + u^3*x^52 + u^54*x^50 + u^35*x^49 + u^46*x^48 + u^29*x^44 + u^37*x^42 + u^20*x^41 + u*x^40 + u^52*x^38 + u^8*x^37 + u^25*x^36 + u^20*x^35 + u^25*x^34 + u^22*x^33 + u^39*x^32 + u^33*x^28 + x^26 + u^24*x^25 + u^33*x^24 + u^50*x^22 + u^13*x^21 + u^13*x^20 + u^47*x^19 + u^48*x^18 + u^18*x^17 + u^17*x^16 + u^42*x^14 + u^46*x^13 + u^17*x^12 + u^30*x^11 + u^56*x^10 + u^3*x^9 + u^23*x^8 + u^39*x^7 + u^15*x^6 + u^50*x^5 + u^23*x^4 + u^22*x^3 + u^41*x^2 + u^20*x,

u^47*x^60 + u^28*x^58 + u^14*x^57 + u^55*x^56 + u^8*x^54 + u^39*x^53 + u^9*x^52 + u^11*x^51 + u^48*x^50 + u^5*x^49 + u^7*x^48 + u^4*x^46 + u^62*x^45 + u^57*x^44 + u^61*x^43 + u^8*x^42 + u^60*x^41 + u^26*x^40 + u^5*x^39 + u^48*x^38 + u^49*x^37 + u^29*x^36 + u^11*x^35 + u^61*x^34 + u^34*x^33 + u^28*x^32 + u^32*x^30 + u^54*x^29 + x^28 + u^44*x^27 + u^33*x^26 + u^30*x^25 + u^37*x^24 + u^42*x^23 + u^8*x^22 + u^56*x^21 + u^12*x^20 + u^23*x^19 + u^5*x^18 + u^4*x^17 + u^58*x^16 + u^56*x^15 + u^37*x^14 + u^19*x^13 + u^41*x^12 + u^9*x^11 + u^13*x^10 + u^56*x^9 + u^55*x^8 + u^41*x^7 + u^29*x^6 + u^17*x^5 + u^30*x^4 + u^7*x^3 + u^15*x^2 + u^27*x,

u^3*x^56 + u*x^52 + u^14*x^50 + u^23*x^49 + u^61*x^48 + u^60*x^44 + u^11*x^42 + u^44*x^41 + u^18*x^40 + u^35*x^38 + u^51*x^37 + u^54*x^36 + u^31*x^35 + u^20*x^34 + u^53*x^33 + u^62*x^32 + u^2*x^28 + u^50*x^26 + u^59*x^25 + u^61*x^24 + u^37*x^22 + u^10*x^21 + u^48*x^20 + u^50*x^19 + u^13*x^18 + u^9*x^17 + u^13*x^16 + u^3*x^14 + u^23*x^13 + x^12 + u^19*x^11 + u^62*x^10 + u^31*x^9 + u^25*x^8 + u^8*x^7 + u^43*x^6 + u^28*x^5 + u^36*x^4 + u^43*x^3 + u^43*x^2 + u^45*x,

u^56*x^56 + u^30*x^52 + u^11*x^50 + u^38*x^49 + u^48*x^48 + u^36*x^44 + u^24*x^42 + u^6*x^41 + u^49*x^40 + u^56*x^38 + u^61*x^37 + u^61*x^36 + u^44*x^35 + u^35*x^34 + u^50*x^33 + u^40*x^32 + u^19*x^28 + u^6*x^26 + u^9*x^25 + u^14*x^24 + u^15*x^22 + u^34*x^21 + u^57*x^20 + u^35*x^19 + u^18*x^18 + u^24*x^17 + u^22*x^16 + x^14 + u^33*x^13 + u^60*x^12 + u^53*x^11 + u^35*x^10 + u^4*x^9 + u^20*x^8 + u^41*x^7 + u^48*x^6 + u^26*x^5 + u^6*x^4 + u^37*x^3 + u^27*x^2 + u^47*x,

u^22*x^56 + u^35*x^52 + u^48*x^50 + u^3*x^49 + u^56*x^48 + u^21*x^44 + u^14*x^42 + u^8*x^41 + u^30*x^40 + u^32*x^38 + u^58*x^37 + u^31*x^36 + u^19*x^35 + u^12*x^34 + u^24*x^33 + u^23*x^32 + u^35*x^28 + u^25*x^26 + u^29*x^25 + u^19*x^24 + u^34*x^22 + u^19*x^21 + u^30*x^20 + u^61*x^19 + u^9*x^18 + u^22*x^17 + u^9*x^16 + u^28*x^14 + u^46*x^13 + u^3*x^12 + u^19*x^11 + u^47*x^10 + x^9 + u^61*x^8 + u^15*x^7 + u^56*x^5 + u*x^4 + u^18*x^3 + u^24*x^2 + u^47*x,

u^26*x^56 + u^17*x^52 + u^61*x^50 + u^20*x^49 + u^37*x^48 + u^9*x^42 + u^34*x^41 + u^20*x^40 + u^19*x^38 + u^51*x^37 + u^11*x^36 + u^57*x^35 + u^49*x^34 + u^59*x^33 + u^40*x^32 + u^35*x^28 + u^41*x^26 + u^61*x^25 + u^54*x^24 + u^26*x^22 + u^58*x^21 + u^29*x^20 + u^7*x^19 + u^50*x^18 + u^3*x^17 + u^43*x^16 + u^51*x^14 + u^50*x^13 + u^38*x^12 + u^28*x^11 + u^44*x^10 + u^16*x^9 + u^52*x^8 + u^3*x^7 + u^9*x^6 + u^39*x^5 + u^26*x^3 + u^36*x^2 + u^42*x,

u^42*x^56 + u^18*x^52 + u^56*x^50 + u^24*x^49 + u^3*x^48 + u^33*x^44 + u^17*x^42 + u^61*x^41 + u^32*x^40 + u^33*x^38 + u^25*x^37 + u^24*x^36 + u^61*x^35 + u^30*x^34 + u^14*x^33 + u^45*x^32 + u^39*x^28 + u^3*x^26 + u^39*x^25 + u^30*x^24 + u^28*x^22 + u^15*x^21 + u^48*x^20 + u^43*x^19 + u*x^18 + u^27*x^17 + u^25*x^16 + u^37*x^14 + u^34*x^13 + u^49*x^12 + u^28*x^11 + u^47*x^10 + u^7*x^9 + u^16*x^8 + u^62*x^7 + u^36*x^6 + u^2*x^5 + u^58*x^4 + u^42*x^3 + u^28*x^2 + u^16*x,

u^12*x^56 + u^24*x^52 + u^13*x^50 + u^21*x^49 + u^8*x^48 + u^60*x^44 + u^19*x^42 + u^20*x^41 + u^61*x^40 + u^52*x^38 + u^52*x^37 + u^58*x^36 + u^39*x^35 + u^22*x^33 + u^41*x^32 + u^54*x^28 + u^36*x^26 + u^61*x^25 + u^35*x^24 + u^43*x^22 + u^52*x^21 + u^13*x^20 + u^14*x^19 + u^58*x^18 + u^10*x^16 + u*x^14 + u^38*x^13 + u^26*x^12 + u^17*x^11 + u^9*x^10 + u^52*x^9 + u^47*x^8 + u^41*x^7 + u^13*x^6 + u^53*x^5 + u^8*x^4 + u^12*x^3 + u^3*x,

u^49*x^52 + u^44*x^50 + u^53*x^49 + u^39*x^48 + u^62*x^44 + u^59*x^42 + u^53*x^41 + u*x^40 + u^62*x^38 + u^10*x^37 + u^26*x^36 + u^37*x^35 + u^25*x^34 + u^3*x^33 + u^41*x^32 + u^38*x^28 + u^10*x^26 + u^41*x^25 + u^57*x^24 + u^12*x^22 + u^44*x^21 + u^62*x^20 + u^10*x^19 + u^44*x^18 + u^17*x^17 + u^23*x^16 + u^18*x^13 + u^46*x^11 + u^20*x^10 + u^33*x^8 + u^44*x^7 + u^25*x^6 + u^62*x^5 + u^33*x^4 + u^54*x^3 + u^53*x^2 + u^60*x,

u^57*x^56 + u^47*x^52 + u^35*x^50 + u^53*x^49 + u^9*x^48 + u^21*x^44 + u^22*x^42 + u^5*x^41 + u^22*x^40 + u^12*x^38 + u^56*x^37 + u^25*x^36 + u^27*x^35 + u^39*x^34 + u^43*x^33 + u^37*x^32 + u^8*x^28 + u^48*x^26 + u^48*x^25 + u^50*x^24 + u^22*x^22 + u^57*x^21 + u^56*x^20 + u*x^19 + u^50*x^18 + u^27*x^17 + u^56*x^16 + u^35*x^14 + u^5*x^13 + u^36*x^12 + u^40*x^11 + u^29*x^10 + u^36*x^9 + u^51*x^8 + u^62*x^7 + u^41*x^6 + u^59*x^5 + u^21*x^4 + u^21*x^4 + u^28*x^3 + u^34*x^2 + u^49*x,

u^6*x^56 + u^27*x^52 + u^18*x^50 + u^27*x^49 + u^30*x^48 + u^52*x^44 + u^53*x^42 + u^14*x^41 + u^59*x^40 + u^28*x^38 + u^28*x^37 + u^47*x^36 + u^55*x^35 + u^61*x^34 + u^49*x^33 + u^60*x^32 + u^48*x^28 + u^23*x^26 + u^4*x^25 + u^10*x^24 + u^2*x^22 + u^49*x^21 + u^26*x^20 + u^5*x^19 + u^47*x^18 + u^32*x^17 + u^40*x^16 + u^36*x^14 + x^13 + u^59*x^12 + u^60*x^11 + u^31*x^10 + u^38*x^9 + u^38*x^7 + u^43*x^6 + u^13*x^5 + u^50*x^4 + u^24*x^3 + u^32*x^2 + u^37*x,

u^30*x^56 + u^41*x^52 + u^46*x^50 + u^32*x^49 + u^14*x^48 + u^23*x^44 + u^49*x^42 + u^36*x^41 + u^8*x^40 + u^3*x^38 + u^29*x^37 + u^36*x^36 + u^9*x^35 + u^41*x^34 + u^18*x^33 + u^20*x^32 + u^25*x^28 + u^45*x^26 + u^36*x^25 + u*x^24 + u^41*x^22 + u^40*x^21 + u^3*x^20 + u^5*x^19 + u^30*x^18 + u^48*x^17 + u^39*x^16 + u^14*x^14 + u*x^13 + u^58*x^12 + u^17*x^11 + u^4*x^10 +

u^37*x^9 + u^47*x^8 + u^57*x^7 + u^55*x^6 + u^12*x^5 + u^26*x^4 + u^15*x^3 + u^26*x^2 + u^18*x,

u^28*x^56 + u^19*x^52 + u^61*x^50 + u^7*x^49 + u^7*x^48 + u^12*x^44 + u^47*x^42 + x^41 + u^33*x^40 + u^56*x^38 + u^56*x^37 + u^13*x^36 + u^53*x^35 + u^57*x^34 + u^53*x^33 + u^16*x^32 + u^49*x^28 + u^51*x^26 + u^2*x^25 + u^35*x^24 + u^43*x^22 + u^62*x^21 + u^46*x^20 + u^49*x^19 + u^34*x^18 + u^21*x^17 + u^33*x^16 + u^33*x^14 + u^19*x^13 + u^12*x^12 + u^57*x^11 + u^28*x^10 + u^29*x^9 + u^48*x^8 + u^12*x^7 + u^56*x^6 + u^19*x^5 + u*x^4 + u^2*x^3 + u^24*x^2 + u^18*x,

u^26*x^56 + u^62*x^52 + u^59*x^50 + u^46*x^49 + u^33*x^48 + u^28*x^44 + u^48*x^42 + u^31*x^41 + u^29*x^40 + u^18*x^38 + u^47*x^37 + u^4*x^36 + u^53*x^35 + u^38*x^34 + u^38*x^33 + u^13*x^32 + u^18*x^28 + u^45*x^26 + u^43*x^25 + u^51*x^24 + x^22 + u^33*x^21 + u^48*x^20 + u^59*x^19 + u^62*x^18 + u^24*x^17 + u^46*x^16 + u^6*x^14 + u^21*x^13 + u^40*x^12 + u^57*x^11 + u^51*x^9 + u^7*x^8 + u^5*x^7 + u^45*x^6 + u^4*x^5 + u^35*x^4 + u^54*x^3 + u^26*x^2 + u^53*x,

u^55*x^60 + u^36*x^58 + u^22*x^57 + u^34*x^56 + u^16*x^54 + u^47*x^53 + u^12*x^52 + u^19*x^51 + u^40*x^50 + u^25*x^48 + u^12*x^46 + u^7*x^45 + u^22*x^44 + u^6*x^43 + u^52*x^42 + u^12*x^41 + u^27*x^40 + u^13*x^39 + u^27*x^38 + u*x^37 + u^11*x^36 + u^15*x^35 + u^54*x^34 + u^39*x^33 + u^21*x^32 + u^40*x^30 + u^62*x^29 + u^40*x^28 + u^52*x^27 + u^42*x^25 + u^41*x^24 + u^50*x^23 + u^39*x^22 + u^42*x^21 + u^13*x^19 + u^20*x^18 + u^50*x^17 + u^57*x^16 + u*x^15 + u^4*x^14 + u^58*x^13 + u^57*x^12 + u^30*x^11 + u^48*x^10 + u^53*x^9 + u^11*x^8 + u^38*x^7 + u^55*x^6 + u^47*x^5 + u^28*x^4 + u^23*x^3 + u^30*x^2 + u^40*x,

u^45*x^60 + u^26*x^58 + u^12*x^57 + u^40*x^56 + u^6*x^54 + u^37*x^53 + u^54*x^52 + u^9*x^51 + u^41*x^50 + u*x^49 + u^34*x^48 + u^2*x^46 + u^60*x^45 + x^44 + u^59*x^43 + u^49*x^42 + u^46*x^41 + u^56*x^40 + u^3*x^39 + u^28*x^38 + u^61*x^37 + u^60*x^36 + u^29*x^35 + u^45*x^34 + u^39*x^33 + u^48*x^32 + u^30*x^30 + u^52*x^29 + u^15*x^28 + u^42*x^27 + u^10*x^26 + u^46*x^25 + u^59*x^24 + u^40*x^23 + u^21*x^22 + u^57*x^21 + u^4*x^20 + u^23*x^19 + u^34*x^18 + u^62*x^17 + u^58*x^16 + u^54*x^15 + u^15*x^14 + u^19*x^13 + u^9*x^11 + u^29*x^10 + u^31*x^9 + u^24*x^8 + u^61*x^7 + u^14*x^6 + u^31*x^5 + u^59*x^4 + u^60*x^3 + u^8*x^2 + u^12*x,

u^55*x^60 + u^36*x^58 + u^22*x^57 + u^30*x^56 + u^16*x^54 + u^47*x^53 + u^25*x^52 + u^19*x^51 + u^55*x^50 + u^46*x^49 + u^24*x^48 + u^12*x^46 + u^7*x^45 + u^53*x^44 + u^6*x^43 + u^51*x^42 + x^41 + u^51*x^40 + u^13*x^39 + u^4*x^38 + u^59*x^37 + u^18*x^36 + u^19*x^35 + u^18*x^34 + u^27*x^33 + x^32 + u^40*x^30 + u^62*x^29 + u^48*x^28 + u^52*x^27 + u^18*x^26 + u^54*x^25 + u^38*x^24 + u^50*x^23 + u^56*x^22 + u^43*x^21 + u^36*x^20 + u^50*x^19 + u^40*x^18 + u^18*x^17 + u^25*x^16 + u*x^15 + u^25*x^14 + u^51*x^13 + u^12*x^12 + u^61*x^11 + u^8*x^10 + u^50*x^9 + u^43*x^8 + u^62*x^7 + u^37*x^6 + u^4*x^5 + u^12*x^4 + u^27*x^3 + u^14*x^2 + u^27*x,

u^2*x^56 + u^53*x^52 + u^50*x^50 + u^46*x^49 + u^24*x^48 + u^53*x^44 + u^35*x^42 + u^34*x^41 + u^56*x^40 + u^33*x^38 + u^14*x^37 + u^8*x^36 + u^8*x^35 + u^59*x^34 + u^41*x^33 + u^4*x^32 + u^56*x^28 + u^26*x^26 + u^30*x^25 + u^31*x^24 + u^4*x^22 + u^12*x^21 + u^15*x^20 + u^35*x^19 + u^26*x^18 + u^28*x^17 + u^24*x^16 + u^12*x^14 + u^2*x^13 + u^41*x^12 + u^54*x^11 + u^36*x^10 + u^19*x^9 + u^61*x^8 + u^22*x^7 + u^19*x^6 + u^39*x^5 + u^18*x^4 + u^18*x^3 + u^29*x^2 + u^10*x,

u^41*x^56 + u^55*x^52 + u^6*x^50 + u^55*x^49 + u^24*x^48 + u^16*x^44 + u^24*x^42 + u^13*x^41 + u^22*x^40 + u^36*x^38 + u*x^37 + u^7*x^36 + u^52*x^35 + u^56*x^34 + u^17*x^33 + u^23*x^32 + u^28*x^28 + u^20*x^26 + u^39*x^25 + u^28*x^24 + u^25*x^22 + u^6*x^21 + u^29*x^20 + u^27*x^19 + u^3*x^18 + u^34*x^17 + u^18*x^16 + u^7*x^14 + u^3*x^13 + u^39*x^12 + u*x^11 + u^3*x^10 + u*x^9 + u^27*x^8 + u^28*x^7 + u^28*x^6 + u^15*x^5 + u^48*x^4 + u^10*x^3 + u^61*x^2 + u^42*x,

u^22*x^60 + u^3*x^58 + u^52*x^57 + u^52*x^56 + u^46*x^54 + u^14*x^53 + u^49*x^52 + u^49*x^51 + u^13*x^50 + u^25*x^49 + u^18*x^48 + u^42*x^46 + u^37*x^45 + u^2*x^44 + u^36*x^43 + u^45*x^42 + u^34*x^41 + u^2*x^40 + u^43*x^39 + u^44*x^38 + u^23*x^37 + u^35*x^36 + u^39*x^35 + u^52*x^34 + u^5*x^33 + u^60*x^32 + u^7*x^30 + u^29*x^29 + u^19*x^27 + u^56*x^26 + u^33*x^25 + u^43*x^24 + u^17*x^23 + x^22 + u^43*x^21 + u^6*x^20 + u^32*x^19 + u^58*x^18 + u^33*x^17 + u^53*x^16 + u^31*x^15 + u^46*x^14 + u^36*x^13 + u^5*x^12 + u^56*x^11 + u^59*x^10 + u^62*x^9 + u^26*x^8 + u^27*x^7 + u^61*x^6 + u*x^5 + u^2*x^4 + u^57*x^3 + u^24*x^2 + u^53*x,

u^20*x^56 + u^39*x^52 + u^56*x^50 + u^4*x^49 + u^34*x^48 + u^40*x^44 + u^20*x^42 + u^7*x^41 + u^47*x^40 + u^30*x^38 + u^46*x^37 + u^21*x^36 + u^31*x^35 + u^38*x^34 + x^33 + u^56*x^32 + u^27*x^28 + u^60*x^26 + u^26*x^25 + u^12*x^24 + u^20*x^22 + u^35*x^21 + u^22*x^20 + u*x^19 + u^43*x^18 + u^49*x^17 + u^15*x^16 + u^58*x^14 + u^58*x^13 + u^22*x^12 + u^21*x^11 + u^48*x^10 + u^16*x^9 + u^62*x^8 + u^21*x^7 + x^6 + u*x^5 + u^6*x^4 + u^2*x^3 + u^39*x^2 + u^14*x,

u^47*x^60 + u^28*x^58 + u^14*x^57 + u^6*x^56 + u^8*x^54 + u^39*x^53 + u^57*x^52 + u^11*x^51 + u^20*x^50 + u^12*x^49 + u^22*x^48 + u^4*x^46 + u^62*x^45 + u^38*x^44 + u^61*x^43 + u^26*x^42 + u^3*x^41 + u^5*x^39 + u^57*x^38 + x^37 + u^26*x^36 + u^4*x^35 + u^44*x^34 + u^3*x^33 + u^11*x^32 + u^32*x^30 + u^54*x^29 + u^9*x^28 + u^44*x^27 + u^28*x^26 + u^38*x^25 + u^43*x^24 + u^42*x^23 + u^50*x^22 + x^21 + u^11*x^20 + u*x^19 + u^5*x^18 + x^17 + u^4*x^16 + u^56*x^15 + u^42*x^14 + u^14*x^13 + u^5*x^12 + u^25*x^11 + u^8*x^10 + u^26*x^9 + u^7*x^8 + u^45*x^7 + u^4*x^6 + u^3*x^5 + u^2*x^4 + u^45*x^3 + u^31*x^2 + u^7*x,

u^45*x^56 + u^33*x^52 + u^38*x^50 + u^9*x^49 + u^33*x^48 + u^21*x^44 + u^59*x^42 + u^35*x^41 + u^32*x^40 + u^7*x^38 + u^34*x^37 + u^3*x^36 + u^50*x^35 + u^27*x^34 + u^46*x^33 + u^34*x^32 + u^38*x^28 + u^46*x^26 + u^44*x^25 + u^42*x^24 + u^37*x^22 + u^21*x^21 + u^60*x^20 + u^10*x^19 + u^61*x^18 + u^52*x^17 + u^2*x^14 + u^49*x^13 + u^55*x^12 + u^58*x^11 + u^59*x^10 + u*x^9 + u^25*x^8 + u^25*x^7 + u^41*x^6 + u^54*x^5 + u^43*x^4 + u^45*x^3 + u^7*x^2 + u^46*x,

u^47*x^60 + u^28*x^58 + u^14*x^57 + u^38*x^56 + u^8*x^54 + u^39*x^53 + u^11*x^51 + u^26*x^50 + u^5*x^49 + u^8*x^48 + u^4*x^46 + u^62*x^45 + u^59*x^44 + u^61*x^43 + u^46*x^42 + u*x^41 + u^5*x^40 + u^5*x^39 + u^58*x^38 + u^20*x^37 + u^58*x^36 + u^61*x^35 + u^34*x^34 + u^41*x^33 + u^56*x^32 + u^32*x^30 + u^54*x^29 + u^50*x^28 + u^44*x^27 + u^18*x^26 + u^49*x^25 + u^58*x^24 + u^42*x^23 + u^42*x^22 + u^41*x^21 + u^15*x^20 + u^60*x^19 + u^18*x^18 + u^54*x^17 + u^49*x^16 + u^56*x^15 + u^26*x^14 + u^56*x^13 + u^18*x^12 + u^25*x^11 + u^37*x^10 + u^13*x^9 + u^3*x^8 + u^13*x^7 + u^43*x^6 + u^49*x^5 + u^56*x^4 + u^34*x^3 + u^9*x^2 + u^26*x,

u^34*x^60 + u^15*x^58 + u*x^57 + u^62*x^56 + u^58*x^54 + u^26*x^53 + u^51*x^52 + u^61*x^51 + x^50 + u^59*x^49 + x^48 + u^54*x^46 + u^49*x^45 + u^16*x^44 + u^48*x^43 + u^25*x^42 + u^35*x^41 + u^2*x^40 + u^55*x^39 + u^32*x^38 + u^48*x^37 + u^58*x^36 + u^2*x^35 + u^4*x^34 + u^32*x^33 + u^28*x^32 + u^19*x^30 + u^41*x^29 + u^24*x^28 + u^31*x^27 + u^38*x^26 + u^3*x^25 + u^15*x^24 + u^29*x^23 + u^24*x^22 + u^6*x^21 + u^29*x^20 + u^38*x^19 + u^60*x^18 + u^37*x^17 + u^50*x^16 + u^43*x^15 + u^57*x^14 + u^40*x^13 + u^49*x^12 + u^45*x^11 + u^49*x^10 + u^25*x^9 + u^60*x^8 + u^3*x^7 + u^55*x^6 + u^19*x^5 + u^8*x^4 + u^45*x^3 + u^42*x^2 + u^57*x,

u^25*x^60 + u^6*x^58 + u^55*x^57 + u^46*x^56 + u^49*x^54 + u^17*x^53 + u^17*x^52 + u^52*x^51 + u^11*x^50 + u^35*x^49 + u^58*x^48 + u^45*x^46 + u^40*x^45 + u^28*x^44 + u^39*x^43 + u^9*x^42 + u^16*x^41 + u^5*x^40 + u^46*x^39 + u^30*x^38 + u^57*x^37 + u^2*x^36 + u^50*x^35 + u^11*x^34 + u^22*x^33 + u^29*x^32 + u^10*x^30 + u^32*x^29 + u^17*x^28 + u^22*x^27 + u^38*x^26 + u^20*x^25 + u^45*x^24 + u^20*x^23 + u^56*x^22 + u^36*x^21 + u^26*x^20 + u^18*x^19 + u^38*x^18 + u^14*x^17 + u^29*x^16 + u^34*x^15 + u^15*x^14 + u^38*x^13 + u^3*x^12 + u^47*x^11 + u^5*x^10 + u^60*x^9 + u^33*x^8 + u^45*x^7 + u^34*x^6 + u^58*x^5 + u^6*x^4 + u^26*x^3 + u^10*x^2 + u^14*x,

u^44*x^60 + u^25*x^58 + u^11*x^57 + u^40*x^56 + u^5*x^54 + u^36*x^53 + u^52*x^52 + u^8*x^51 + u^7*x^50 + u^3*x^49 + u*x^46 + u^59*x^45 + x^44 + u^58*x^43 + u^58*x^42 + u^60*x^41 + u^43*x^40 + u^2*x^39 + u^44*x^38 + u^44*x^37 + u^35*x^36 + u^16*x^35 + u^20*x^34 + u^8*x^33 + u^17*x^32 + u^29*x^30 + u^51*x^29 + u^10*x^28 + u^41*x^27 + u^58*x^26 + u^47*x^25 + u^9*x^24 + u^4*x^39...
u^9*x^24 + u^4*x^39*x^23 + u^27*x^22 + u^55*x^21 + u*x^20 + u^51*x^19 + u^50*x^18 + u^57*x^17 + u^44*x^16 + u^53*x^15 + u^45*x^14 + u^27*x^13 + u^18*x^12 + u^57*x^11 + u^8*x^10 + u^16*x^9 + u^18*x^8 + u^41*x^7 + u^10*x^6 + u^45*x^5 + u^4*x^4 + u^30*x^3 + u^55*x^2 + u^9*x,

u^19*x^60 + u^33*x^58 + u^20*x^57 + u^21*x^56 + u^3*x^54 + u^37*x^53 + u^29*x^52 + u^2*x^51 + u^3*x^50 + u^37*x^49 + u^3*x^48 + u^40*x^46 + u^12*x^45 + u^18*x^44 + u^60*x^43 + u^22*x^42 + u^43*x^41 + u^28*x^40 + u^51*x^39 + u^25*x^38 + u^15*x^37 + u^23*x^36 + u^25*x^35 + u^40*x^34 + u^35*x^33 + u^61*x^32 + u^48*x^30 + u*x^29 + u^58*x^28 + u^30*x^27 + u^59*x^26 + u^2*x^25 + u^25*x^24 + u^39*x^23 + u^16*x^22 + u^3*x^21 + u^61*x^20 + u^59*x^19 + u^54*x^17 + u^32*x^16 + u^7*x^15 + u^7*x^14 + u*x^13 + u^26*x^12 + u^3*x^11 + u^40*x^10 + u^56*x^9 + u^5*x^8 + u^27*x^7 + u^16*x^6 + u^56*x^5 + u^9*x^4 + u^61*x^3 + u^3*x^2 + u^24*x,

u^48*x^56 + u^30*x^52 + u^56*x^50 + u^13*x^49 + u^61*x^48 + u^3*x^44 + u^8*x^42 + u^18*x^41 + u^19*x^40 + u^35*x^38 + u^51*x^37 + u^48*x^36 + u^7*x^35 + u^56*x^34 + u^21*x^33 + u^5*x^32 + u^22*x^28 + u^27*x^26 + u^37*x^25 + u^27*x^24 + u^2*x^22 + u*x^21 + u^49*x^20 + u^35*x^19 + u^57*x^18 + u^34*x^17 + u^52*x^16 + u^20*x^14 + u^33*x^13 + u^28*x^12 + u^59*x^11 + u^12*x^10 + u^12*x^9 + u^28*x^8 + u^52*x^7 + u^52*x^6 + u^62*x^5 + u^62*x^4 + u^37*x^3 + u^18*x^2 + u*x,

u^28*x^56 + u^27*x^52 + u^28*x^50 + u^30*x^49 + u^2*x^48 + u^49*x^44 + u^60*x^42 + u^31*x^41 + u^22*x^40 + u^17*x^38 + u^58*x^37 + u^2*x^36 + u^24*x^35 + u^61*x^33 + u^59*x^32 + u^53*x^28 + u^17*x^26 + u^18*x^25 + u^48*x^24 + u^27*x^22 + u^41*x^21 + u^44*x^20 + u^5*x^19 + u^39*x^18 + u^42*x^17 + u^32*x^16 + u^9*x^14 + u^29*x^13 + u^41*x^12 + u^53*x^11 + u^7*x^10 + u^37*x^9 + u^26*x^8 + u^48*x^7 + u^27*x^6 + u^16*x^5 + u^55*x^4 + u^8*x^3 + u^22*x^2 + u^52*x
];

Function:
u*(x^6 + x^10 + x^24 + x^33) + x^9 + u^4*x^17,

#EA-Classes: 85

Degrees: {* 2, 3^^66, 4^^18 *}

Representatives:

[
u^14*x^60 + u^58*x^58 + u^44*x^57 + u^25*x^56 + u^38*x^54 + u^6*x^53 + u^8*x^52 + u^41*x^51 + u^36*x^50 + u^33*x^49 + u^56*x^48 + u^34*x^46 + u^29*x^45 + u^26*x^44 + u^28*x^43 + u^48*x^42 + u^27*x^41 + u^49*x^40 + u^35*x^39 + u^5*x^38 + u^32*x^37 + u^45*x^36 + u^58*x^35 + u^6*x^34 + u^25*x^33 + u^32*x^32 + u^62*x^30 + u^21*x^29 + u^28*x^28 + u^11*x^27 + u^44*x^26 + u^60*x^25 + u*x^24 + u^9*x^23 + u^34*x^22 + u^13*x^21 + u^61*x^20 + u^41*x^19 + u^40*x^18 + u^58*x^17 + u^6*x^16 + u^23*x^15 + u^47*x^14 + u^10*x^13 + u^32*x^12 + u^62*x^11 + u^4*x^10 + u^32*x^9 + u^17*x^8 + u^26*x^7 + u^52*x^6 + u^53*x^5 + u^2*x^4 + u^6*x^3 + u^12*x^2 + u^50*x,

u^41*x^56 + u^59*x^52 + u^34*x^50 + u^60*x^49 + u^9*x^48 + u^6*x^44 + u^15*x^42 + u^9*x^41 + u^55*x^40 + u^14*x^38 + u^42*x^37 + u^49*x^36 + u^13*x^34 + u^37*x^33 + u^5*x^32 + u^39*x^28 + u^18*x^26 + u^9*x^25 + u^20*x^24 + u^25*x^22 + u^5*x^21 + u^23*x^20 + u^20*x^19 + u^35*x^18 + u^30*x^17 + u^51*x^16 + u^60*x^14 + u^28*x^13 + u^41*x^12 + u^22*x^11 + u^47*x^10 + u^17*x^9
  +
u^59*x^8 + u^28*x^7 + u^39*x^6 + u^41*x^5 + u^3*x^4 + u^28*x^3 + u^51*x^2 + u^58*x,

u^12*x^56 + u^24*x^52 + u^40*x^50 + u^37*x^49 + u^52*x^48 + u^18*x^44 + u^11*x^42 + u^47*x^41 + u^50*x^40 + u^36*x^38 + u^11*x^37 + u^33*x^36 + u^16*x^35 + u^45*x^34 + u^24*x^33 + u^19*x^32 + u^27*x^28 + u^31*x^26 + u^24*x^25 + u^37*x^24 + u^51*x^22 + u^24*x^21 + u^26*x^20 + u^52*x^19 + u^50*x^18 + u^52*x^17 + u^55*x^16 + u^58*x^14 + u^54*x^13 + u^25*x^12 + u^59*x^11 + u^22*x^10 + u^45*x^9 + u^33*x^8 + u^49*x^7 + u^61*x^6 + u^20*x^5 + u^45*x^4 + u^11*x^3 + u^19*x^2 + u^21*x,

u^24*x^56 + u^57*x^52 + u^16*x^50 + u^41*x^49 + u^7*x^48 + u^30*x^44 + u^34*x^42 + u^29*x^40 + u^16*x^38 + u^60*x^37 + u^42*x^36 + u^46*x^35 + u^33*x^34 + u^47*x^33 + u^4*x^32 + u^14*x^28 + u^42*x^26 + u^36*x^25 + u^18*x^24 + u*x^22 + u^28*x^21 + u^9*x^20 + u^13*x^19 + u^17*x^18 + u^24*x^17 + u^24*x^16 + u^52*x^14 + u^48*x^13 + u^25*x^12 + u^2*x^11 + u^33*x^10 + u^60*x^9 + u^26*x^8 + u^47*x^7 + u^7*x^6 + u^29*x^5 + u^38*x^4 + u^54*x^3 + u^26*x^2 + u^48*x,

u*x^33 + u*x^24 + u^4*x^17 + u*x^10 + x^9 + u*x^6,

u^18*x^56 + u^50*x^52 + u^34*x^50 + u^29*x^49 + u^51*x^48 + u^35*x^44 + u^61*x^42 + u^24*x^41 + u^55*x^40 + u^21*x^38 + u^39*x^37 + u^27*x^36 + u^33*x^35 + u^29*x^34 + u^7*x^33 + u^7*x^32 + u^14*x^28 + u^32*x^26 + u^7*x^25 + u^30*x^24 + u^3*x^22 + u^9*x^21 + u^34*x^20 + u^39*x^19 + u^3*x^18 + u^32*x^17 + u^23*x^16 + u^61*x^14 + u^21*x^13 + u^11*x^12 + u^31*x^11 + u^33*x^10 + u^50*x^9 + u^18*x^8 + u^32*x^7 + u^32*x^6 + u^12*x^5 + u^60*x^4 + u^26*x^3 + u^8*x^2 + u^7*x,

u^37*x^56 + u^37*x^52 + u^56*x^50 + u^54*x^49 + u^18*x^48 + u^42*x^44 + u^34*x^42 + u^28*x^41 + u^53*x^40 + u^2*x^38 + u^58*x^37 + u^5*x^36 + u^41*x^35 + u^35*x^34 + u^10*x^33 + u^61*x^32 + u^56*x^28 + u^55*x^26 + u^33*x^25 + u^21*x^24 + u^19*x^22 + u^35*x^21 + u^62*x^20 + u^22*x^19 + u^42*x^18 + u^10*x^17 + u^55*x^16 + u^29*x^14 + u^32*x^13 + u^55*x^12 + u^56*x^11 + u^11*x^10 + u^11*x^9 + u^20*x^8 + u^33*x^7 + u^39*x^6 + u^19*x^5 + u^7*x^4 + u^19*x^3 + u^31*x^2 + u^62*x,

u^37*x^56 + u^28*x^52 + u^60*x^50 + u^34*x^49 + u^36*x^48 + u^8*x^44 + u^2*x^42 + u^39*x^40 + u^10*x^38 + u^33*x^37 + u^54*x^36 + u^55*x^35 + u^8*x^34 + u*x^33 + u^37*x^32 + u^7*x^28 + u^53*x^26 + u^23*x^25 + u^61*x^24 + u^44*x^22 + u^22*x^21 + u^32*x^20 + u^58*x^19 + u^42*x^18 + u^56*x^16 + u^62*x^14 + u^37*x^13 + u^45*x^12 + u^14*x^11 + u^38*x^10 + u^25*x^9 + u^36*x^8 + u^48*x^7 + u^60*x^6 + u^28*x^5 + u^12*x^4 + u^50*x^3 + u^61*x^2 + u^42*x,

u^10*x^56 + u^3*x^52 + u^39*x^50 + u^31*x^49 + u^40*x^48 + u^44*x^44 + u^9*x^42 + u^3*x^41 + x^40 + u^3*x^38 + u^16*x^37 + u^11*x^36 + u^28*x^35 + u^39*x^34 + u^60*x^33 + u^36*x^32 + u^54*x^28 + u^53*x^26 + u^23*x^25 + u^38*x^24 + u^55*x^22 + u^29*x^21 + u^56*x^20 + u^58*x^19 + u^36*x^18 + u^14*x^17 + u^2*x^16 + u^24*x^14 + u^27*x^13 + u^50*x^12 + u^44*x^11 + u^35*x^10 + u^38*x^9 + u^39*x^8 + u^5*x^7 + u^30*x^6 + u^40*x^5 + u^58*x^4 + u^5*x^3 + x^2 + u^39*x,

u^32*x^56 + u^60*x^52 + u^18*x^50 + u^53*x^49 + u^51*x^48 + u^27*x^44 + u^26*x^42 + u^35*x^41 + u*x^40 + u^61*x^38 + u^46*x^37 + u^55*x^36 + u^36*x^35 + u^7*x^34 + u^29*x^33 + u^34*x^32 + u^35*x^28 + u^4*x^26 + u^31*x^25 + u^24*x^24 + u^46*x^21 + u^59*x^20 + u^55*x^19 + u^40*x^18 + u^21*x^17 + u^55*x^16 + u^44*x^14 + u^2*x^13 + u^11*x^12 + u^36*x^11 + u^48*x^10 + u^37*x^9 + u^48*x^8 + u^25*x^7 + u^4*x^6 + u^16*x^5 + u^18*x^4 + u^33*x^3 + u^43*x^2 + u^26*x,

u^18*x^60 + u^62*x^58 + u^48*x^57 + u^49*x^56 + u^42*x^54 + u^10*x^53 + u^23*x^52 + u^45*x^51 + u^30*x^50 + u^42*x^49 + u^32*x^48 + u^38*x^46 + u^33*x^45 + u^59*x^44 + u^32*x^43 + u^37*x^42 + u^56*x^41 + u^26*x^40 + u^39*x^39 + u^9*x^38 + u^21*x^37 + u^11*x^36 + u^39*x^35 + u^54*x^34 + u^19*x^32 + u^3*x^30 + u^25*x^29 + u^53*x^28 + u^15*x^27 + u^18*x^26 + u^60*x^25 + u^17*x^24 + u^13*x^23 + u^36*x^22 + u^10*x^21 + u^21*x^20 + u^18*x^19 + u^36*x^18 + u^9*x^17 + u^49*x^16 + u^27*x^15 + u^26*x^14 + u^60*x^13 + u^18*x^12 + u^11*x^11 + u^40*x^10 + u^25*x^9 + u^40*x^8 + u^11*x^7 + u^8*x^6 + u^5*x^5 + u^57*x^4 + u^46*x^3 + u^47*x^2 + u^35*x,

u^18*x^56 + u^9*x^52 + u^32*x^50 + u^35*x^49 + u^28*x^48 + u^31*x^44 + u^24*x^42 + u*x^41 + u^14*x^40 + u^27*x^38 + u^12*x^37 + u^48*x^36 + u^43*x^35 + u^8*x^34 + u^26*x^33 + u^39*x^32 + u^13*x^28 + u^18*x^26 + u^48*x^25 + u^47*x^24 + u^54*x^22 + u^37*x^21 + x^20 + u^47*x^19 + u^53*x^18 + u^57*x^17 + u^25*x^16 + u^13*x^14 + u^8*x^13 + u^49*x^12 + u^57*x^11 + u^16*x^10 + u^58*x^9 + u^61*x^8 + u^32*x^7 + u^24*x^6 + u^29*x^5 + u^24*x^4 + u^20*x^3 + u^47*x^2 + u^10*x,

u^46*x^60 + u^27*x^58 + u^13*x^57 + u^22*x^56 + u^7*x^54 + u^38*x^53 + u^12*x^52 + u^10*x^51 + x^50 + u^50*x^49 + u^36*x^48 + u^3*x^46 + u^61*x^45 + u^3*x^44 + u^60*x^43 + u^62*x^42 + u^52*x^41 + x^40 + u^4*x^39 + u^58*x^38 + u^21*x^37 + u^36*x^36 + u^30*x^35 + u^43*x^34 + u^59*x^33 + u^41*x^32 + u^31*x^30 + u^53*x^29 + u^11*x^28 + u^43*x^27 + u^36*x^26 + u^54*x^25 + u^62*x^24 + u^4*x^23 + u^50*x^22 + u^27*x^21 + u^20*x^20 + u^58*x^19 + u^26*x^18 + u^30*x^17 + u^51*x^16 + u^55*x^15 + u^30*x^14 + u^47*x^13 + u^36*x^12 + u^33*x^11 + u^19*x^10 + u^19*x^9 + u^7*x^8 + u^25*x^7 + u^22*x^6 + u^16*x^5 + u^28*x^4 + u^54*x^3 + u^33*x^2 + u^41*x,

u^7*x^56 + u^49*x^52 + u^2*x^50 + u^23*x^49 + u^52*x^48 + u^49*x^44 + u^28*x^42 + u^19*x^41 + u^37*x^40 + u^20*x^38 + x^37 + u^14*x^36 + u^55*x^35 + u^3*x^34 + u^35*x^33 + u^11*x^32 + u^36*x^28 + u^29*x^26 + u^51*x^25 + u^59*x^24 + u^52*x^22 + u^33*x^21 + u^21*x^20 + x^19 + u^31*x^18 + u^58*x^17 + u^43*x^16 + u^37*x^14 + u^44*x^13 + u^59*x^12 + u^16*x^11 + u^19*x^10 + u^20*x^9 + u^54*x^8 + u^24*x^7 + u^43*x^6 + u^56*x^5 + u^62*x^4 + u^58*x^3 + u^49*x^2 + u^57*x,

u^58*x^56 + u^37*x^52 + u^45*x^50 + u^29*x^49 + u^40*x^48 + u^24*x^44 + u^58*x^42 + u^27*x^41 + u^21*x^40 + u^19*x^38 + u^2*x^37 + u^43*x^36 + u^5*x^35 + u^59*x^34 + u^59*x^33 + u^2*x^32 + u^30*x^28 + u^43*x^26 + u^37*x^25 + u^56*x^24 + u^54*x^22 + u^7*x^21 + u^5*x^20 + u^29*x^19 + u^12*x^18 + u^56*x^17 + u^2*x^16 + u^24*x^14 + u^23*x^13 + u^57*x^12 + u^56*x^11 + x^10 + u^50*x^9 + u^13*x^8 + u^62*x^7 + u^55*x^6 + u^3*x^5 + u^37*x^4 + u^23*x^3 + u^57*x^2 + u^14*x,

u^43*x^56 + u^31*x^52 + u^49*x^50 + u^55*x^49 + u^42*x^48 + u^37*x^44 + u^10*x^42 + u^27*x^41 + u^9*x^40 + u^30*x^38 + u^49*x^37 + u^58*x^36 + u^13*x^35 + u^58*x^34 + u^47*x^33 + u^10*x^32 + u^55*x^28 + u^49*x^26 + u^51*x^25 + u^5*x^24 + u^57*x^22 + u^32*x^21 + x^20 + u^51*x^19 + u^33*x^18 + u^26*x^17 + u^57*x^16 + u^16*x^14 + u^24*x^13 + u^32*x^12 + u^35*x^11 + u^5*x^10 + u^11*x^9 + u^12*x^8 + u^35*x^7 + u^17*x^6 + u^26*x^5 + u^18*x^4 + u^55*x^3 + u^52*x^2 + u^47*x,

u^7*x^56 + u^29*x^52 + u^32*x^50 + u^14*x^49 + u^21*x^48 + u^12*x^44 + u^54*x^42 + u^25*x^41 + u^40*x^40 + u^44*x^38 + u*x^37 + u^8*x^36 + u^18*x^35 + u*x^34 + u^8*x^33 + u^20*x^32 + u^2*x^28 + u^43*x^26 + u^6*x^25 + u^35*x^24 + u^32*x^22 + u^51*x^21 + u^8*x^20 + u^57*x^19 + u^13*x^18 + u^45*x^17 + u^44*x^16 + u^45*x^14 + u^15*x^13 + u^8*x^12 + u^59*x^11 + u^32*x^10 + u^53*x^9 + u^32*x^8 + u^51*x^7 + u^41*x^6 + u^9*x^5 + u^48*x^4 + u^27*x^3 + u^18*x^2 + u^58*x,

u^23*x^56 + u^25*x^52 + u^5*x^50 + x^49 + u^22*x^48 + u^40*x^44 + u^30*x^42 + u^60*x^41 + u^44*x^40 + u^13*x^38 + u^45*x^37 + u^56*x^36 + u^46*x^35 + u^31*x^34 + u^15*x^33 + u^32*x^32 + u^6*x^28 + u^46*x^26 + u^51*x^25 + u^20*x^24 + u^10*x^22 + u^18*x^21 + u^48*x^20 + u^46*x^19 + u^43*x^18 + u^55*x^17 + u^16*x^16 + u^32*x^14 + u^21*x^13 + u*x^12 + u^28*x^11 + u^14*x^10 + u^57*x^9 + u^21*x^8 + u^46*x^7 + u^2*x^6 + u^5*x^5 + u^45*x^4 + u^58*x^3 + u^13*x^2 + u^52*x,

u^25*x^56 + u^51*x^52 + u^62*x^50 + u^35*x^49 + u^4*x^48 + u^27*x^42 + u^58*x^41 + u^44*x^40 + u^51*x^38 + u^2*x^37 + u^33*x^36 + u^10*x^35 + u^9*x^34 + u^13*x^33 + u^16*x^32 + u^4*x^28 + u^25*x^26 + u^41*x^25 + u^49*x^24 + u^59*x^22 + u^21*x^21 + u^26*x^20 + u^56*x^19 + u^26*x^18 + u^48*x^17 + u^24*x^16 + u^26*x^14 + u^54*x^13 + u^26*x^12 + u^9*x^11 + u^42*x^10 + u^6*x^9 + u^49*x^8 + u^6*x^7 + u^5*x^6 + u^39*x^5 + u^32*x^4 + u^57*x^3 + u^40*x^2 + u^44*x,

u^37*x^60 + u^18*x^58 + u^4*x^57 + u^6*x^56 + u^61*x^54 + u^29*x^53 + u^55*x^52 + u*x^51 + u^7*x^50 + u^6*x^49 + u^22*x^48 + u^57*x^46 + u^52*x^45 + u^23*x^44 + u^51*x^43 + u^20*x^42 + u^48*x^41 + u^31*x^40 + u^58*x^39 + u^44*x^38 + u^48*x^37 + u^42*x^36 + u^61*x^35 + u^41*x^34 + u^52*x^33 + u^18*x^32 + u^22*x^30 + u^44*x^29 + u^13*x^28 + u^34*x^27 + u^52*x^26 + u^49*x^25 + u^34*x^24 + u^32*x^23 + u*x^22 + u^23*x^21 + u^7*x^20 + u^33*x^19 + u^37*x^18 + u^37*x^17 + u^48*x^16 + u^46*x^15 + u^37*x^14 + u^40*x^13 + u^9*x^12 + u^13*x^11 + u^25*x^10 + u^16*x^9 + u*x^8 + u^12*x^7 + u^19*x^6 + u^50*x^5 + u^40*x^4 + u^6*x^3 + u^54*x^2 + u^20*x,

u^24*x^52 + u^35*x^50 + u^19*x^49 + u^57*x^48 + u^55*x^44 + u^17*x^42 + u^23*x^41 + u^37*x^40 + u^23*x^38 + u^2*x^37 + u^20*x^36 + u^15*x^35 + u^21*x^34 + u^16*x^33 + u^62*x^32 + u^22*x^28 + u^39*x^26 + u^16*x^25 + u^47*x^24 + u^28*x^22 + u^34*x^21 + u^56*x^20 + u^60*x^19 + u^35*x^18 + u^28*x^17 + u^14*x^16 + u^5*x^14 + u*x^13 + u^6*x^12 + u^4*x^11 + u^50*x^10 + u^54*x^9 + u^15*x^8 + u^9*x^7 + u^34*x^6 + u^34*x^5 + u^48*x^4 + u^46*x^3 + u^31*x^2 + u^41*x,

u^49*x^56 + u^39*x^52 + u^48*x^50 + u^24*x^49 + u^32*x^48 + u^50*x^44 + u^30*x^42 + u^12*x^41 + u^45*x^40 + u^62*x^38 + u^33*x^37 + u^14*x^36 + u^56*x^35 + u^2*x^34 + u^58*x^33 + u^61*x^32 + u^54*x^28 + u^3*x^26 + u^39*x^25 + u^16*x^24 + u^54*x^22 + u^56*x^21 + u^9*x^20 + u^58*x^19 + u^41*x^18 + u^40*x^17 + u^12*x^16 + u^2*x^14 + u^62*x^13 + u^7*x^12 + u^26*x^11 + u^14*x^10 + u^42*x^9 + u^8*x^8 + u^49*x^7 + u^28*x^6 + u^44*x^5 + u^44*x^4 + u^3*x^3 + u^8*x^2 + u^33*x,

u^22*x^56 + u^56*x^52 + u^62*x^50 + u^35*x^49 + u^27*x^48 + u^13*x^44 + u^4*x^42 + u^29*x^41 + u^44*x^40 + u^16*x^38 + u^47*x^37 + u^38*x^36 + u^38*x^35 + u^25*x^34 + u^21*x^33 + u^32*x^32 + u^30*x^28 + u^4*x^26 + u^20*x^25 + u^27*x^24 + u^17*x^22 + u^47*x^21 + u^30*x^20 + u^26*x^19 + u^28*x^18 + u^58*x^17 + u^50*x^16 + u^50*x^14 + u^46*x^13 + u^12*x^12 + u^54*x^11 + u^24*x^10 + u^20*x^9 + u^26*x^8 + u^7*x^7 + u^15*x^6 + u^13*x^5 + u^45*x^4 + u^61*x^3 + u^5*x^2 + u^48*x,

u^44*x^56 + u^6*x^52 + u^5*x^50 + u^55*x^49 + u^36*x^48 + u^11*x^44 + u^5*x^42 + u^30*x^41 + u^14*x^40 + u^51*x^38 + u^32*x^37 + u^57*x^36 + u^24*x^35 + u^4*x^34 + u^37*x^33 + u^26*x^32 + u^18*x^28 + u^51*x^26 + u^18*x^25 + u^29*x^24 + u^48*x^22 + u^11*x^21 + u^12*x^19 + u^42*x^18 + u^56*x^17 + u^56*x^16 + u^11*x^14 + u^5*x^13 + u^13*x^12 + u^26*x^11 + u^32*x^10 + u^21*x^9 + u^36*x^8 + u^37*x^7 + u^61*x^6 + u^23*x^5 + u^55*x^4 + u^19*x^3 + u^7*x^2 + u^10*x,

u^61*x^56 + u^37*x^52 + u^26*x^50 + u^27*x^49 + u^22*x^48 + u^39*x^44 + u^56*x^42 + u^48*x^41 + u^53*x^40 + u^35*x^38 + u^30*x^37 + u^57*x^36 + u^49*x^35 + u^8*x^34 + u^54*x^33 + x^32 + u^51*x^28 + u^52*x^26 + u^3*x^25 + u^36*x^24 + u^53*x^22 + u^7*x^21 + u^28*x^20 + u^42*x^19 + u^52*x^18 + u^51*x^17 + u^57*x^16 + u^61*x^14 + u^29*x^13 + u^37*x^12 + u^2*x^11 + u^20*x^10 + u^16*x^9 + u^3*x^8 + u^32*x^7 + u*x^6 + u^8*x^5 + x^4 + u^40*x^3 + u^40*x^2 + u^45*x,

u^32*x^56 + u^10*x^52 + u^41*x^50 + u^45*x^49 + u^27*x^48 + u^7*x^44 + u^15*x^42 + u^4*x^41 + u^15*x^40 + u^53*x^38 + u^50*x^37 + u^10*x^36 + u^31*x^35 + u^36*x^34 + u^18*x^33 + u^19*x^32 + u^59*x^28 + u^16*x^26 + u^41*x^25 + u^56*x^24 + u^10*x^22 + u^24*x^21 + u^21*x^20 + u^26*x^18 + u^36*x^17 + x^16 + u^31*x^14 + u^50*x^13 + u^44*x^12 + u^33*x^11 + u^11*x^10 + u^46*x^9 + u^29*x^8 + u^48*x^7 + u^9*x^6 + u^23*x^5 + u^11*x^4 + u^58*x^3 + u^2*x^2 + u^7*x,

u^24*x^56 + u^55*x^52 + u^22*x^50 + u^5*x^49 + u^36*x^48 + u^11*x^44 + u^22*x^42 + u^47*x^41 + u^6*x^40 + u^30*x^38 + u*x^37 + u^47*x^36 + u^36*x^35 + u^48*x^34 + u^43*x^33 + u^8*x^32 + u^21*x^28 + u^62*x^26 + u^22*x^25 + u^30*x^24 + u^61*x^22 + u^26*x^21 + u^5*x^20 + u^35*x^19 + u^53*x^17 + x^16 + u^21*x^14 + u^28*x^13 + u^28*x^12 + u^41*x^11 + u^55*x^10 + u^50*x^9 + u^39*x^8 + u^11*x^7 + u^54*x^6 + u^37*x^5 + u*x^4 + u^19*x^3 + u^49*x^2 + x,

u^16*x^56 + u^32*x^52 + u^6*x^50 + u^34*x^49 + u^59*x^48 + u^53*x^44 + u^46*x^42 + u^11*x^41 + u^4*x^40 + u^46*x^38 + u^10*x^37 + u^41*x^36 + u^58*x^35 + u^23*x^34 + u^2*x^33 + u^11*x^32 + u^45*x^28 + u^19*x^26 + u^54*x^25 + u^38*x^24 + u^58*x^22 + u^12*x^20 + u^57*x^19 + u^8*x^18 + u^26*x^17 + u^29*x^16 + u^3*x^14 + u^45*x^13 + u^33*x^12 + u^9*x^11 + u^29*x^10 + u^61*x^9 + u^13*x^8 + u^55*x^7 + u^57*x^6 + u^17*x^5 + u^11*x^4 + u^25*x^3 + u^18*x^2 + u^7*x,

u^35*x^60 + u^16*x^58 + u^2*x^57 + u^4*x^56 + u^59*x^54 + u^27*x^53 + u^8*x^52 + u^62*x^51 + u^10*x^50 + u^7*x^49 + u^59*x^48 + u^55*x^46 + u^50*x^45 + u^54*x^44 + u^49*x^43 + u^27*x^42 + u^5*x^41 + u^20*x^40 + u^56*x^39 + u^12*x^38 + x^37 + u^17*x^36 + u^37*x^35 + u^51*x^34 + u^4*x^33 + u^59*x^32 + u^20*x^30 + u^42*x^29 + u^7*x^28 + u^32*x^27 + u^15*x^26 + u^35*x^25 + u^10*x^24 + u^30*x^23 + u^14*x^22 + u^51*x^21 + u^8*x^20 + u*x^19 + u^44*x^18 + u^8*x^17 + u^45*x^16 + u^44*x^15 + u^4*x^14 + u^38*x^13 + u^46*x^12 + u^61*x^11 + u^51*x^10 + u^57*x^9 + u^46*x^8 + u^19*x^7 + u^54*x^6 + u^32*x^5 + u^5*x^4 + u^46*x^3 + u^28*x^2 + u^51*x,

u^35*x^56 + u^41*x^52 + u^48*x^50 + u^22*x^49 + u^58*x^48 + u^26*x^44 + u^33*x^42 + u^28*x^41 + u^27*x^40 + u^54*x^38 + u^44*x^37 + u^2*x^36 + u^58*x^35 + u^18*x^34 + u^52*x^33 + u^36*x^32 + u^23*x^28 + u^10*x^26 + u^34*x^25 + u^20*x^24 + u^35*x^22 + u^28*x^21 + u^61*x^20 + u^7*x^19 + u^16*x^18 + u^52*x^17 + u^49*x^16 + u^26*x^14 + u^21*x^13 + u^20*x^12 + u^6*x^11 + u^15*x^10 + u^16*x^9 + u^19*x^8 + u^48*x^7 + u^14*x^6 + u^30*x^5 + u^8*x^4 + u^29*x^3 + u^51*x^2 + u^61*x,

u^51*x^56 + u^23*x^52 + u^53*x^50 + u^7*x^49 + u^22*x^48 + u^6*x^44 + u^3*x^42 + u^7*x^41 + u^62*x^40 + u^58*x^38 + u^48*x^37 + u^22*x^36 + u^15*x^35 + u^13*x^34 + u^49*x^33 + u^2*x^32 + u^59*x^28 + u^36*x^26 + u^46*x^25 + x^24 + u^41*x^22 + u^14*x^21 + u^40*x^20 + u^23*x^18 + u^37*x^17 + u^25*x^16 + u^45*x^14 + u^35*x^13 + u^42*x^12 + u^32*x^11 + u^15*x^10 + u^46*x^9 + u^55*x^8 + u^58*x^7 + u^39*x^6 + u^10*x^5 + u^20*x^4 + x^3 + u^47*x^2 + u^27*x,

u^54*x^56 + u^6*x^52 + u^49*x^50 + u^5*x^49 + u^52*x^48 + u^49*x^44 + u^13*x^42 + u^39*x^41 + u^41*x^40 + u^23*x^38 + u^31*x^37 + u^43*x^36 + u^24*x^35 + u^19*x^34 + u^35*x^33 + u^49*x^32 + u^48*x^28 + u^58*x^26 + u^42*x^25 + u^39*x^24 + u^12*x^22 + u^46*x^21 + u^3*x^20 + u^40*x^19 + u^61*x^18 + u^61*x^17 + u^11*x^16 + u^34*x^14 + u^40*x^13 + u^10*x^12 + u^25*x^11 + u^42*x^10 + u^4*x^9 + u^59*x^8 + u^40*x^7 + u^49*x^6 + u^15*x^5 + u^16*x^4 + u^47*x^3 + u^32*x^2 + u^14*x,

u^37*x^60 + u^18*x^58 + u^4*x^57 + u^21*x^56 + u^61*x^54 + u^29*x^53 + u^7*x^52 + u*x^51 + u^25*x^50 + u^26*x^49 + u^50*x^48 + u^57*x^46 + u^52*x^45 + u^35*x^44 + u^51*x^43 + u^23*x^42 + u^26*x^41 + u^58*x^39 + u^41*x^38 + u^11*x^37 + u^16*x^36 + u^35*x^35 + u^12*x^34 + u^32*x^33 + u^24*x^32 + u^22*x^30 + u^44*x^29 + u^39*x^28 + u^34*x^27 + u^37*x^26 + u^25*x^25 + u^49*x^24 + u^32*x^23 + u^6*x^22 + u^28*x^21 + u^49*x^20 + u^48*x^19 + u^12*x^18 + u^45*x^17 + u*x^16 + u^46*x^15 + u^41*x^14 + u^37*x^13 + u^13*x^12 + u^24*x^11 + u^59*x^10 + u^31*x^9 + u^46*x^8 + u^4*x^7 + u^58*x^6 + u^49*x^5 + u^16*x^4 + u^11*x^3 + u^15*x^2 + u^33*x,

u^43*x^56 + u^33*x^52 + u^30*x^50 + u^22*x^49 + u^62*x^48 + u^23*x^44 + u^7*x^42 + u^48*x^41 + u^62*x^40 + u^47*x^38 + u^56*x^37 + u^52*x^36 + u^53*x^35 + u^41*x^34 + u^36*x^33 + x^32 + u^30*x^28 + u^30*x^26 + u^34*x^25 + u^33*x^24 + u^6*x^22 + u^19*x^21 + u^56*x^20 + u^56*x^19 + u^7*x^18 + u^18*x^17 + u^33*x^16 + u^18*x^14 + u^51*x^13 + u^30*x^12 + u^54*x^11 + u^15*x^10 + u^9*x^9 + u^12*x^8 + x^7 + u^23*x^6 + u^27*x^5 + u^36*x^4 + x^3 + u^11*x^2 + u^14*x,

u^11*x^56 + u^41*x^52 + u^15*x^50 + u^32*x^49 + u^58*x^48 + u^27*x^44 + u^4*x^42 + u^3*x^41 + u^4*x^40 + u^12*x^38 + u^6*x^37 + u^11*x^36 + u^52*x^35 + u^53*x^34 + u^19*x^33 + u^45*x^32 + u^21*x^28 + u^41*x^26 + u^2*x^25 + u^10*x^24 + u^32*x^22 + u^19*x^21 + u^3*x^20 + u^11*x^19 + u^18*x^18 + u^5*x^17 + x^16 + u^45*x^14 + u^4*x^13 + u^26*x^12 + u^13*x^11 + u^7*x^10 + u^41*x^9 + u^29*x^8 + u^4*x^7 + u^29*x^6 + u^57*x^5 + u^27*x^4 + u^4*x^3 + u^43*x^2 + u^31*x,

u^51*x^56 + u^57*x^52 + u^37*x^50 + u^17*x^49 + u^50*x^48 + u^29*x^44 + u^4*x^42 + u^16*x^40 + u^55*x^38 + u^39*x^37 + u^54*x^36 + u^9*x^35 + u^18*x^34 + u^61*x^33 + u^60*x^32 + u^16*x^28 + u^58*x^26 + u^14*x^25 + u^48*x^24 + u^25*x^22 + u^55*x^21 + u^40*x^20 + u^18*x^19 + u^57*x^18 + u^53*x^17 + u^22*x^16 + u^17*x^14 + u^24*x^13 + u^52*x^12 + u^44*x^11 + u^50*x^10 + u^59*x^9 + u^60*x^8 + u^22*x^7 + u^56*x^6 + u^5*x^5 + u^6*x^4 + u^36*x^3 + u^4*x^2 + u^10*x,

u^13*x^56 + u^41*x^52 + u^22*x^50 + u^46*x^49 + u^20*x^48 + u^23*x^44 + u^42*x^42 + u^48*x^41 + u^60*x^40 + u^58*x^38 + u^31*x^37 + u^13*x^36 + u^5*x^35 + u^19*x^34 + u^5*x^33 + u^34*x^32 + u^11*x^28 + u^53*x^26 + u^44*x^25 + u^19*x^24 + u^39*x^22 + u^20*x^21 + u^41*x^20 + u^13*x^19 + u^38*x^18 + u^33*x^17 + u^35*x^16 + u^56*x^14 + u^14*x^13 + u^16*x^12 + u^47*x^11 + u^55*x^10 + u^60*x^9 + u^36*x^8 + u^41*x^7 + u^9*x^6 + u^25*x^5 + u^62*x^4 + u^59*x^3 + u^18*x^2 + u^56*x,

u^20*x^56 + u^24*x^52 + u^10*x^50 + u^54*x^49 + u^52*x^48 + u^10*x^44 + u^23*x^42 + u^29*x^41 + u^50*x^40 + u^58*x^38 + u^52*x^37 + u^56*x^36 + u^36*x^35 + u^26*x^34 + u^51*x^33 + u^21*x^32 + u^57*x^28 + u^11*x^26 + u^8*x^25 + u^43*x^24 + u^38*x^22 + u^25*x^21 + u^17*x^20 + u^15*x^19 + u^36*x^18 + u^14*x^17 + u^51*x^16 + u^34*x^14 + u^41*x^13 + u^56*x^12 + u^23*x^11 + u*x^10 + u^61*x^9 + u^13*x^8 + u^54*x^7 + u^58*x^6 + u^62*x^5 + u^27*x^3 + u^61*x^2 + u^61*x,

u^40*x^56 + u^26*x^52 + u^39*x^50 + u^58*x^49 + u^55*x^48 + u^60*x^44 + u^47*x^42 + u^42*x^41 + u^13*x^40 + u^7*x^38 + u^23*x^37 + u^29*x^36 + u^18*x^35 + u^56*x^34 + u^17*x^33 + u^34*x^32 + u^7*x^28 + u^46*x^26 + x^25 + u^17*x^24 + u^46*x^22 + u^46*x^21 + u^43*x^20 + u^39*x^19 + u^59*x^18 + u^16*x^17 + u^55*x^16 + u^55*x^14 + u^9*x^13 + u^11*x^12 + u^2*x^11 + u^25*x^10 + u^43*x^9 + u^45*x^8 + u^46*x^7 + u^11*x^6 + u^31*x^5 + u^38*x^4 + u^25*x^3 + u^14*x^2 + u^5*x,

u^37*x^60 + u^18*x^58 + u^4*x^57 + u^8*x^56 + u^61*x^54 + u^29*x^53 + u^40*x^52 + u*x^51 + u^62*x^50 + u^16*x^49 + u^57*x^46 + u^52*x^45 + u^51*x^43 + u^11*x^42 + u^56*x^41 + u^21*x^40 + u^58*x^39 + u^27*x^38 + u^46*x^37 + u^52*x^36 + u^20*x^35 + u^26*x^34 + u^27*x^33 + u^58*x^32 + u^22*x^30 + u^44*x^29 + u^6*x^28 + u^34*x^27 + u^47*x^26 + u^36*x^25 + u^30*x^24 + u^32*x^23 + u^51*x^22 + u^29*x^21 + u^12*x^20 + u^51*x^18 + u^5*x^17 + u^7*x^16 + u^46*x^15 + u^25*x^14 + u^12*x^13 + u^23*x^12 + u^46*x^11 + u^61*x^10 + u^18*x^9 + u^45*x^8 + u^2*x^7 + u^21*x^6 + u^12*x^5 + u^4*x^4 + u^9*x^3 + u^53*x^2 + u^31*x,

u^46*x^60 + u^27*x^58 + u^13*x^57 + u^30*x^56 + u^7*x^54 + u^38*x^53 + u^8*x^52 + u^10*x^51 + u^60*x^50 + u^32*x^49 + u^50*x^48 + u^3*x^46 + u^61*x^45 + u^10*x^44 + u^60*x^43 + u^35*x^42 + u^51*x^41 + u^28*x^40 + u^4*x^39 + u^43*x^38 + u^58*x^37 + u*x^36 + u^46*x^35 + u^2*x^34 + u^37*x^33 + u^28*x^32 + u^31*x^30 + u^53*x^29 + u^2*x^28 + u^43*x^27 + u^23*x^26 + u^36*x^25 + u^24*x^24 + u^41*x^23 + u^57*x^22 + u^47*x^21 + u^13*x^20 + u^41*x^19 + u^17*x^18 + u^29*x^17 + u^22*x^16 + u^55*x^15 + u^38*x^14 + u^2*x^13 + u^18*x^12 + u^48*x^11 + u^28*x^10 + u^26*x^9 + u*x^8 + u^27*x^7 + u^26*x^6 + u^59*x^5 + u^7*x^4 + u^37*x^3 + u^46*x^2 + u^23*x,

u^28*x^60 + u^9*x^58 + u^58*x^57 + u^17*x^56 + u^52*x^54 + u^20*x^53 + u^30*x^52 + u^55*x^51 + u^55*x^50 + u^42*x^49 + u^25*x^48 + u^48*x^46 + u^43*x^45 + u^52*x^44 + u^42*x^43 + u^47*x^42 + u^24*x^41 + u^32*x^40 + u^49*x^39 + u^24*x^38 + u^24*x^37 + u^57*x^36 + u^27*x^35 + u^38*x^34 + u^46*x^33 + u^53*x^32 + u^13*x^30 + u^35*x^29 + u^5*x^28 + u^25*x^27 + u^25*x^26 + u^27*x^25 + u*x^24 + u^23*x^23 + u^47*x^22 + u^9*x^21 + u^14*x^20 + u^46*x^19 + u^9*x^18 + u^52*x^17 + u^59*x^16 + u^37*x^15 + u^54*x^14 + u^39*x^13 + u^53*x^12 + u^27*x^11 + u^36*x^10 + u^27*x^9 + u^44*x^8 + u^39*x^7 + u^53*x^6 + u^33*x^5 + u^17*x^4 + u^56*x^3 + u^3*x^2 + u^19*x,

u^28*x^56 + u^49*x^52 + u^4*x^50 + u^52*x^49 + u^15*x^48 + u^52*x^44 + u^50*x^42 + u^18*x^41 + u^42*x^40 + u^51*x^38 + u^3*x^37 + u^31*x^36 + u^30*x^35 + u^11*x^34 + u^57*x^33 + u^12*x^32 + u^9*x^28 + x^26 + u^62*x^25 + u^57*x^24 + u^45*x^22 + u^41*x^21 + u^49*x^20 + u^28*x^18 + u^33*x^17 + u^19*x^16 + u^11*x^14 + u^46*x^13 + u^61*x^12 + u^23*x^11 + u^26*x^10 + u^30*x^9 + u^62*x^8 + u^47*x^7 + u^59*x^6 + u^10*x^5 + u^32*x^4 + u^52*x^3 + u^35*x^2 + u^39*x,

u^53*x^56 + u^21*x^52 + u^36*x^50 + u^36*x^49 + u^43*x^48 + u^53*x^44 + u^51*x^42 + u^39*x^41 + u^41*x^40 + u^17*x^38 + u*x^37 + u^16*x^36 + u^37*x^35 + u^51*x^34 + u^42*x^33 + u^34*x^32 + u^42*x^28 + x^26 + u^47*x^25 + u^30*x^24 + u^59*x^22 + u^43*x^21 + u^2*x^20 + u^31*x^19 + u^35*x^18 + u^53*x^17 + u^21*x^14 + u^19*x^13 + u^36*x^11 + u^32*x^10 + u^2*x^9 + u^38*x^8 + u^21*x^7 + u^4*x^6 + u^28*x^5 + u^25*x^4 + u^57*x^3 + u^57*x^2 + u^55*x,

u^56*x^56 + u^3*x^52 + u^20*x^50 + u^38*x^49 + u^9*x^48 + u^19*x^44 + u^25*x^42 + u^37*x^41 + u^20*x^40 + u^3*x^38 + u^22*x^37 + u^40*x^36 + u^43*x^35 + u^12*x^34 + u^42*x^33 + u^19*x^32 + u^36*x^28 + u^24*x^26 + u^30*x^25 + u^32*x^24 + u^14*x^22 + u^49*x^21 + u^8*x^20 + u^2*x^18 + u^37*x^17 + u^59*x^16 + u^17*x^14 + u^14*x^13 + u^42*x^12 + u^52*x^11 + u^28*x^10 + u^41*x^9 + u^36*x^8 + u^18*x^7 + u^39*x^6 + u^49*x^5 + u^34*x^4 + u^32*x^3 + u^47*x^2 + u^24*x,

u^17*x^56 + u^21*x^52 + u^55*x^50 + u^28*x^49 + u^39*x^48 + u^59*x^44 + u^37*x^42 + u^45*x^41 + u^5*x^40 + u^7*x^38 + u^59*x^37 + u^27*x^36 + u^36*x^35 + u^15*x^34 + u^57*x^33 + u^17*x^32 + u^41*x^28 + u^49*x^26 + u^2*x^25 + u^6*x^24 + u^35*x^22 + u^12*x^21 + u^37*x^20 + u^25*x^19 + u^61*x^18 + u^14*x^17 + u^9*x^16 + u^56*x^14 + u^48*x^13 + u^44*x^12 + u^28*x^11 + u^39*x^10 + u^23*x^9 + u^49*x^8 + u^54*x^7 + u^38*x^6 + u^24*x^5 + u^61*x^4 + u^20*x^3 + u^9*x^2 + u^2*x,

u^47*x^56 + u^40*x^52 + u^56*x^50 + u^30*x^49 + u^62*x^48 + u^46*x^44 + u^21*x^42 + u^32*x^41 + u^53*x^40 + u^56*x^38 + u^33*x^37 + u^33*x^36 + u^26*x^35 + u^30*x^34 + u*x^33 + u^53*x^32 + u^50*x^28 + u^2*x^26 + u^53*x^25 + u^43*x^24 + u^38*x^22 + u^27*x^21 + u^57*x^20 + u^15*x^19 + u^42*x^18 + u^50*x^17 + u^3*x^16 + u^27*x^13 + u^22*x^12 + u^41*x^11 + u^34*x^10 + u^56*x^9 + u^10*x^8 + u^24*x^7 + u^11*x^6 + u^45*x^5 + u^14*x^4 + u^24*x^3 + u^31*x^2 + u^54*x,

u^44*x^60 + u^25*x^58 + u^11*x^57 + u^59*x^56 + u^5*x^54 + u^36*x^53 + u^9*x^52 + u^8*x^51 + u^41*x^50 + u^10*x^49 + u^49*x^48 + u*x^46 + u^59*x^45 + u^41*x^44 + u^58*x^43 + u^5*x^42 + u^37*x^41 + u^12*x^40 + u^2*x^39 + u^47*x^38 + u^59*x^37 + u^23*x^36 + u^4*x^35 + u^40*x^33 + u^51*x^32 + u^29*x^30 + u^51*x^29 + u^28*x^28 + u^41*x^27 + u^3*x^26 + u^28*x^25 + u^38*x^24 + u^39*x^23 + u^26*x^22 + u^8*x^21 + u^12*x^20 + u^25*x^19 + u^7*x^18 + u^62*x^17 + u^49*x^16 + u^53*x^15 + u^59*x^14 + u^47*x^13 + u^50*x^12 + u^9*x^11 + u^45*x^10 + u^31*x^9 + u^5*x^8 + u^5*x^7 + u^36*x^6 + u^42*x^5 + u^60*x^4 + u^36*x^3 + u^57*x^2 + u^11*x,

u^35*x^60 + u^16*x^58 + u^2*x^57 + u^58*x^56 + u^59*x^54 + u^27*x^53 + u^37*x^52 + u^62*x^51 + u^26*x^50 + u^44*x^49 + u^13*x^48 + u^55*x^46 + u^50*x^45 + u^49*x^43 + u^60*x^42 + u^42*x^41 + u^54*x^40 + u^56*x^39 + u^37*x^38 + u^20*x^37 + u^41*x^36 + u^46*x^35 + u^47*x^34 + u^41*x^33 + u^26*x^32 + u^20*x^30 + u^42*x^29 + u^50*x^28 + u^32*x^27 + u^15*x^26 + u^29*x^25 + u^16*x^24 + u^30*x^23 + u^36*x^22 + u^35*x^21 + u^29*x^20 + u^59*x^19 + u^7*x^18 + u^57*x^17 + u^35*x^16 + u^44*x^15 + u^11*x^14 + u^27*x^13 + u^3*x^12 + u^42*x^11 + u^55*x^10 + u^29*x^9 + u^25*x^8 + u^14*x^7 + u^30*x^6 + u^28*x^5 + u^59*x^4 + u^42*x^3 + u^14*x^2 + u^5*x,

u^52*x^56 + u*x^52 + u^46*x^50 + u^24*x^49 + u^47*x^48 + u^30*x^44 + u^23*x^42 + u^9*x^41 + u^55*x^40 + u^55*x^38 + u^26*x^37 + u^31*x^36 + u^34*x^35 + u^31*x^34 + u^17*x^33 + u^38*x^32 + u^2*x^28 + u^19*x^26 + u^50*x^25 + u^31*x^24 + u^5*x^22 + u^55*x^21 + u^37*x^20 + u^10*x^19 + u^51*x^18 + u^44*x^17 + u^35*x^16 + u^2*x^14 + u^33*x^13 + u^22*x^12 + u^3*x^11 + x^10 + u^40*x^9 + u^61*x^8 + u^38*x^7 + u^29*x^6 + u^23*x^5 + u^51*x^4 + u^3*x^3 + u^7*x^2 + u^30*x,

u^54*x^56 + u^57*x^52 + u^40*x^50 + u^26*x^49 + u^48*x^46 + u^27*x^44 + u^2*x^42 + u^22*x^41 + u^10*x^40 + u^62*x^38 + u^2*x^37 + u^11*x^36 + u*x^35 + u^31*x^34 + u^24*x^33 + u^60*x^32 + u^49*x^28 + u^56*x^26 + u^49*x^25 + u^59*x^24 + u^49*x^22 + u^35*x^21 + u^49*x^20 + u^20*x^19 + u^57*x^18 + u^3*x^17 + u^42*x^16 + u^50*x^14 + u^49*x^13 + u^34*x^12 + u^56*x^11 + u^36*x^10 + u^31*x^9 + u^9*x^8 + u^45*x^7 + u^16*x^6 + u^56*x^5 + u^44*x^4 + u^22*x^3 + u^62*x^2 + u^29*x,

u^40*x^52 + u^15*x^50 + u^5*x^49 + u^42*x^48 + u^6*x^44 + u^44*x^42 + u^34*x^41 + u^54*x^40 + u^42*x^38 + u^51*x^37 + u^8*x^36 + u^55*x^35 + x^34 + u^58*x^33 + u^46*x^32 + u^19*x^28 +

u^48*x^26 + u^8*x^25 + u^51*x^22 + u^44*x^21 + u^48*x^20 + u^52*x^19 + u^23*x^18 + u^41*x^17 + u^17*x^16 + u^52*x^14 + u^4*x^13 + u^60*x^12 + u^38*x^11 + u^15*x^10 + u^55*x^9 + u^5*x^8 + u^60*x^7 + u^38*x^6 + u^61*x^5 + u^21*x^4 + u^16*x^3 + u^9*x^2 + u^15*x,

u^4*x^56 + u^58*x^52 + u^40*x^50 + u^9*x^49 + u^3*x^48 + u^42*x^44 + u^46*x^42 + u^58*x^41 + x^40 + u^29*x^38 + u^2*x^37 + u^5*x^36 + u^39*x^35 + u^38*x^34 + u^4*x^33 + u^56*x^32 + u^30*x^28 +
u^5*x^26 + u^29*x^25 + u^47*x^24 + u^11*x^22 + u^18*x^21 + u^20*x^20 + u^20*x^19 + u^37*x^18 + u^32*x^17 + u^8*x^16 + u^37*x^14 + u^47*x^13 + u^17*x^11 + u^11*x^10 + u^36*x^9 + u^3*x^8 +
u^46*x^7 + u^47*x^6 + u^5*x^5 + u^20*x^4 + u^22*x^3 + u^33*x^2 + u^6*x,

u^33*x^56 + u^13*x^52 + u^12*x^50 + u^43*x^49 + u^8*x^48 + u^36*x^44 + u^5*x^42 + u^31*x^41 + u^6*x^40 + u^26*x^38 + u^53*x^37 + u^42*x^36 + u^55*x^35 + u^16*x^34 + u^5*x^33 + u^28*x^32 +
u^41*x^28 + u^2*x^26 + u^21*x^25 + u^23*x^24 + u^2*x^22 + x^21 + u^38*x^20 + u^51*x^19 + u^9*x^18 + u^58*x^17 + u^37*x^16 + u^61*x^14 + u^23*x^13 + u^61*x^12 + u^13*x^11 + u^56*x^10 +
u^26*x^9 + u^44*x^8 + u^11*x^7 + u^60*x^6 + u^49*x^5 + u^30*x^4 + u^44*x^3 + u^35*x^2 + u^51*x,

u^55*x^56 + u^47*x^52 + u^33*x^49 + u^10*x^48 + x^44 + u^16*x^42 + u^30*x^41 + u^40*x^40 + u^2*x^38 + u^22*x^37 + x^36 + u^54*x^35 + u^55*x^34 + u^43*x^33 + u^22*x^32 + u^40*x^28 + u^6*x^26 +
u^6*x^25 + u^9*x^24 + u^34*x^22 + u^48*x^21 + u^62*x^20 + u^51*x^19 + u^53*x^18 + u^3*x^17 + u^33*x^16 + u^35*x^14 + u^33*x^13 + u^27*x^12 + u^47*x^11 + u^55*x^10 + u^47*x^9 + u^48*x^8 +
u^5*x^7 + u^47*x^6 + u^34*x^5 + u^44*x^4 + u^16*x^3 + u^52*x^2 + u^13*x,

u^12*x^56 + u^45*x^52 + u^44*x^50 + u^46*x^49 + u^44*x^48 + u^9*x^44 + u^39*x^42 + u^4*x^41 + u^11*x^40 + u^45*x^38 + u^20*x^37 + u^24*x^36 + u^51*x^35 + u^32*x^34 + u^29*x^33 + u^56*x^32 +
u^60*x^28 + u^53*x^26 + u^9*x^25 + u^44*x^24 + u^2*x^22 + u^37*x^21 + u^37*x^20 + u^17*x^19 + u^57*x^18 + u^40*x^17 + u*x^16 + u^39*x^14 + u^49*x^13 + u^36*x^12 + u^38*x^11 + u^23*x^10 +
u^23*x^9 + u^22*x^8 + u^35*x^7 + u^30*x^6 + u^25*x^5 + u^37*x^4 + u^17*x^3 + u^36*x^2 + u^41*x,

u^6*x^52 + u^42*x^50 + u^42*x^49 + u^15*x^48 + u^33*x^44 + u^53*x^42 + u^29*x^41 + u^41*x^40 + u^4*x^38 + u^27*x^37 + u^53*x^36 + u^17*x^35 + u^45*x^34 + u^41*x^33 + u^59*x^32 + u^3*x^28 +
u^54*x^26 + u^37*x^25 + u^30*x^24 + u^36*x^22 + u^49*x^21 + u^48*x^20 + u^18*x^19 + u^41*x^18 + u^22*x^17 + u^16*x^16 + u^55*x^14 + u^31*x^13 + u^50*x^12 + u^25*x^11 + u^42*x^10 + u^8*x^9
+ u^39*x^8 + u^9*x^7 + u^13*x^6 + u^41*x^5 + u^18*x^4 + u^38*x^3 + u^19*x^2 + u^32*x,

u^27*x^56 + u^11*x^52 + u^21*x^50 + u^56*x^49 + u^2*x^48 + u^57*x^44 + u^14*x^42 + u^27*x^41 + u^54*x^40 + u^20*x^38 + u^49*x^37 + u^40*x^36 + u^45*x^35 + u^45*x^34 + u^47*x^33 + u^41*x^32 +
u^17*x^28 + u^30*x^26 + u^9*x^25 + u*x^24 + u^42*x^22 + u^62*x^21 + u^42*x^20 + u^57*x^19 + u^60*x^18 + u^41*x^16 + u^20*x^14 + u^12*x^13 + u^39*x^12 + u^46*x^11 + u^54*x^10 + u^6*x^9 +
u^6*x^8 + u^45*x^7 + u^22*x^6 + u^53*x^5 + u^46*x^4 + x^3 + u^9*x^2 + u^19*x,

u^28*x^60 + u^9*x^58 + u^58*x^57 + u^37*x^56 + u^52*x^54 + u^20*x^53 + u*x^52 + u^55*x^51 + u^58*x^50 + u^55*x^49 + u^21*x^48 + u^48*x^46 + u^43*x^45 + u^48*x^44 + u^42*x^43 + u^11*x^42 +
u^29*x^41 + u^45*x^40 + u^49*x^39 + u^38*x^38 + u^50*x^37 + u^53*x^36 + u^45*x^35 + u^21*x^34 + u^33*x^33 + u^49*x^32 + u^13*x^30 + u^35*x^29 + u^41*x^28 + u^25*x^27 + u^18*x^26 + u^3*x^25
+ u^45*x^24 + u^23*x^23 + u^59*x^22 + u^38*x^21 + u^38*x^20 + u^13*x^19 + u^27*x^18 + u^13*x^17 + u^43*x^16 + u^37*x^15 + u^13*x^14 + u^24*x^13 + u^51*x^12 + u^19*x^11 + u^3*x^10 +
u^11*x^9 + u^3*x^8 + u^50*x^7 + u^7*x^6 + u^54*x^5 + u^25*x^4 + u^6*x^3 + u^5*x^2 + u^10*x,

u^8*x^60 + u^52*x^58 + u^38*x^57 + u^5*x^56 + u^32*x^54 + x^53 + u^11*x^52 + u^35*x^51 + u^54*x^50 + u^5*x^49 + u^2*x^48 + u^28*x^46 + u^23*x^45 + u^7*x^44 + u^22*x^43 + u^40*x^42 + u^4*x^41 +
u^2*x^40 + u^29*x^39 + u^31*x^38 + u^51*x^37 + u^61*x^36 + u^55*x^35 + u^62*x^34 + u^54*x^33 + u^55*x^32 + u^56*x^30 + u^15*x^29 + u^46*x^28 + u^5*x^27 + u^52*x^26 + u^38*x^25 + u^44*x^24
+ u^3*x^23 + u^58*x^22 + u^26*x^21 + u^10*x^20 + u^46*x^19 + u^37*x^18 + u^20*x^17 + u^4*x^16 + u^17*x^15 + u^18*x^14 + u^17*x^13 + u^52*x^12 + u^52*x^11 + u^31*x^10 + u^9*x^9 + u^3*x^8 +
u^23*x^7 + u^14*x^6 + u^22*x^5 + u^46*x^4 + u^51*x^3 + u^35*x^2 + u^7*x,

u^59*x^56 + u^43*x^52 + u^12*x^50 + u^3*x^49 + u^61*x^48 + u^41*x^44 + u^8*x^42 + u^55*x^41 + u^57*x^40 + u^19*x^38 + u^55*x^37 + u^40*x^36 + u^11*x^35 + u^18*x^34 + u^6*x^33 + u^53*x^32 +
u^57*x^28 + u^27*x^26 + u^15*x^25 + u^47*x^24 + u^15*x^22 + u^42*x^21 + u^12*x^20 + u^34*x^19 + u^18*x^18 + u^53*x^17 + u^17*x^16 + u^60*x^14 + u^23*x^13 + u^52*x^12 + u^36*x^11 +
u^21*x^10 + u^33*x^9 + u^14*x^8 + u^33*x^7 + u^40*x^6 + u^18*x^5 + u^22*x^4 + u^10*x^3 + u^46*x^2 + u^53*x,

u^34*x^56 + u^37*x^52 + u^37*x^50 + u^19*x^49 + u^27*x^48 + u^47*x^44 + u^2*x^42 + u^13*x^41 + u^20*x^40 + u^56*x^38 + u^55*x^37 + u*x^36 + u^25*x^35 + u^38*x^34 + u^24*x^33 + u^8*x^32 + x^28
+ u^30*x^26 + u^30*x^25 + u^37*x^24 + u^34*x^22 + u^15*x^21 + u^18*x^20 + u^4*x^19 + u^8*x^18 + u^58*x^17 + u^12*x^16 + u^10*x^14 + u^54*x^13 + u^46*x^12 + u^16*x^11 + u^54*x^10 + u^26*x^9
+ u^62*x^8 + u^44*x^7 + u^30*x^6 + u*x^5 + u^37*x^4 + u^62*x^3 + u^18*x^2 + u^18*x,

u^13*x^56 + u^4*x^52 + u^24*x^50 + u^24*x^49 + u^6*x^48 + u^34*x^44 + u^43*x^42 + u^22*x^41 + u^38*x^40 + u^37*x^38 + u^54*x^37 + u^11*x^36 + u^37*x^35 + u^47*x^33 + x^32 + u^31*x^28 +
u^15*x^26 + u^61*x^25 + u^15*x^24 + u^18*x^22 + u^44*x^21 + u^22*x^20 + u^46*x^19 + u*x^18 + u^28*x^17 + u^29*x^16 + u^18*x^14 + u^43*x^13 + u^58*x^12 + u^52*x^11 + u^21*x^10 + u^54*x^9 +
u^27*x^8 + u^6*x^7 + u^19*x^6 + u^56*x^5 + u^60*x^4 + u^54*x^3 + u^38*x^2 + u^27*x,

u^30*x^56 + u^36*x^52 + u^34*x^50 + u^37*x^49 + u^11*x^48 + u^36*x^44 + u^43*x^42 + u^3*x^41 + u^24*x^40 + u^25*x^37 + u^46*x^36 + u^36*x^35 + u^19*x^34 + u^61*x^33 + u^25*x^32 + u^10*x^28 +
u^11*x^26 + u*x^25 + u^7*x^24 + u^50*x^22 + u^2*x^21 + u^53*x^20 + u^34*x^19 + u^14*x^18 + u^30*x^17 + u^13*x^16 + u^45*x^14 + u^15*x^13 + u^51*x^12 + u^3*x^11 + u^26*x^10 + u^56*x^9 +
u^54*x^8 + u^32*x^7 + u^28*x^6 + u^16*x^5 + u^44*x^4 + u^17*x^3 + u^57*x^2 + u^2*x,

u^54*x^60 + u^35*x^58 + u^21*x^57 + u^47*x^56 + u^15*x^54 + u^46*x^53 + u^36*x^52 + u^18*x^51 + u^11*x^50 + u^56*x^49 + u^41*x^48 + u^11*x^46 + u^6*x^45 + u^53*x^44 + u^5*x^43 + u^9*x^42 +
u^37*x^41 + u^15*x^40 + u^12*x^39 + u^38*x^38 + u^21*x^37 + u^50*x^36 + u*x^35 + u^19*x^34 + u^59*x^33 + u^48*x^32 + u^39*x^30 + u^61*x^29 + u^62*x^28 + u^51*x^27 + u^31*x^26 + u^18*x^25 +
u^40*x^24 + u^49*x^23 + x^22 + u^57*x^21 + u^11*x^20 + u^33*x^19 + u^50*x^18 + u^29*x^17 + u^13*x^16 + x^15 + u^6*x^14 + u^56*x^13 + u^36*x^12 + u^35*x^11 + u^53*x^10 + u^32*x^9 + u^42*x^8
+ u^59*x^7 + u^53*x^6 + u^19*x^5 + u^46*x^4 + u^53*x^3 + u^57*x^2,

u^35*x^56 + u^30*x^52 + u^43*x^50 + u^31*x^49 + u^3*x^48 + u^32*x^44 + u^58*x^42 + u^41*x^41 + u^19*x^40 + u^34*x^38 + u^52*x^37 + u^39*x^36 + u^58*x^35 + u^4*x^34 + u^41*x^33 + u^16*x^32 +
u^18*x^28 + u^45*x^26 + u^47*x^25 + u^20*x^24 + u^61*x^22 + u^3*x^21 + u^21*x^20 + u^21*x^19 + u^27*x^18 + u^39*x^17 + u^34*x^16 + u^62*x^14 + u^2*x^13 + u^62*x^11 + u^50*x^10 + u^18*x^9 +
u^49*x^8 + u^44*x^7 + u^60*x^6 + u^33*x^5 + u^61*x^4 + u^53*x^3 + u^58*x^2 + u^2*x,

u^30*x^56 + u^18*x^52 + u^41*x^50 + u^22*x^49 + u^56*x^48 + u^50*x^44 + u^56*x^42 + u^45*x^41 + u^16*x^40 + u^23*x^38 + u^62*x^37 + u^43*x^36 + u^31*x^35 + u^6*x^34 + u^11*x^33 + u^18*x^32 +
u^34*x^28 + u^22*x^26 + u^58*x^25 + u^6*x^24 + u^46*x^22 + u^24*x^21 + u^30*x^20 + u^43*x^19 + u^46*x^18 + u^62*x^17 + u^55*x^16 + u^50*x^14 + u^29*x^13 + u^44*x^12 + u^38*x^11 + u^20*x^10
+ u^21*x^9 + u^20*x^8 + u^45*x^7 + u^9*x^5 + u^22*x^4 + u^24*x^3 + u^9*x^2 + u^46*x,

u^12*x^56 + u^47*x^52 + u^13*x^50 + u^8*x^49 + u^55*x^48 + u^28*x^44 + u^32*x^42 + u^15*x^41 + u^62*x^40 + u^35*x^38 + u^39*x^37 + u^44*x^36 + u^39*x^35 + u^31*x^34 + u^10*x^33 + u^16*x^32 +
u^61*x^28 + u^7*x^26 + u^20*x^25 + u^31*x^24 + u^43*x^22 + u^55*x^21 + u^58*x^20 + x^19 + u^39*x^18 + u^39*x^17 + u^48*x^16 + u^3*x^14 + u^3*x^13 + u^36*x^10 + u^19*x^9 + u^51*x^8 +
u^55*x^7 + u^33*x^6 + u^44*x^5 + u^25*x^4 + u^39*x^3 + u*x^2 + u^26*x,

u^22*x^56 + u^14*x^52 + u^45*x^50 + u^25*x^49 + u^26*x^44 + u^25*x^42 + u^13*x^41 + u^12*x^40 + u^57*x^38 + u^39*x^37 + u^26*x^36 + u^5*x^35 + u^21*x^34 + u^51*x^33 + u^19*x^32 + u^58*x^28 +
u^45*x^26 + u^16*x^25 + u^62*x^24 + u^34*x^22 + u^34*x^21 + u^17*x^20 + u^7*x^19 + u^46*x^18 + u^62*x^17 + u^57*x^16 + u^4*x^14 + u^60*x^13 + u^33*x^12 + u^49*x^10 + u^50*x^9 + u^12*x^8 +
u^13*x^7 + u^59*x^6 + u^54*x^5 + u^35*x^4 + u^7*x^3 + u^54*x^2 + u^22*x,

u^10*x^56 + u^59*x^52 + u^10*x^50 + u^18*x^49 + u^21*x^48 + u^25*x^44 + u^49*x^42 + u^44*x^41 + u^29*x^40 + u^30*x^38 + u^35*x^37 + u^45*x^36 + u^26*x^35 + u^21*x^34 + u^10*x^33 + u^4*x^32 +
u^19*x^28 + u^23*x^26 + u^33*x^25 + u^12*x^24 + u^42*x^22 + u^58*x^21 + u^56*x^20 + u^14*x^19 + u^55*x^18 + u^25*x^17 + u^15*x^16 + u^48*x^14 + u^44*x^13 + u^25*x^12 + u^48*x^11 +
u^58*x^10 + u^23*x^9 + u^59*x^8 + u^50*x^7 + u^53*x^6 + u^21*x^5 + u^12*x^4 + x^3 + u^32*x^2 + u^12*x,

u^4*x^56 + u^13*x^52 + u^31*x^50 + u^17*x^49 + u^26*x^48 + u^7*x^44 + u^2*x^42 + u^3*x^41 + u^20*x^40 + u^6*x^38 + u^35*x^37 + u^46*x^36 + u^6*x^35 + u^57*x^34 + u^52*x^33 + u^6*x^32 +
u^27*x^28 + u^29*x^26 + u^47*x^25 + u^13*x^24 + u^60*x^22 + u^45*x^21 + u^56*x^20 + u^39*x^19 + u^9*x^18 + u^56*x^17 + u^32*x^16 + u^2*x^14 + u^12*x^13 + u^15*x^12 + u^42*x^11 + u^28*x^10
+ u^38*x^9 + u^6*x^8 + u^60*x^7 + u^33*x^6 + u^24*x^5 + u^27*x^4 + u^31*x^3 + u^22*x^2 + u^33*x,

u^35*x^56 + u^40*x^52 + u^29*x^50 + u^46*x^49 + u^31*x^48 + u^19*x^44 + u^52*x^42 + u^36*x^41 + u^30*x^40 + u^4*x^38 + x^37 + u^49*x^36 + u^12*x^35 + u^28*x^34 + u^58*x^33 + u^38*x^32 +
u^34*x^28 + u^37*x^26 + u^53*x^25 + u*x^24 + u^18*x^22 + u^60*x^21 + u^25*x^20 + u^51*x^19 + u^51*x^18 + u^16*x^17 + u^48*x^16 + u^30*x^14 + u^8*x^13 + u*x^12 + u^18*x^11 + u^19*x^10 +
u^10*x^9 + u^44*x^8 + u^26*x^7 + u^60*x^6 + u^34*x^5 + u^59*x^4 + u^42*x^3 + u^15*x^2 + u^62*x,

u^53*x^56 + u^7*x^52 + u^44*x^50 + u^58*x^49 + u^24*x^48 + u^62*x^44 + u^50*x^42 + u^39*x^41 + u^10*x^40 + u^38*x^38 + u^12*x^37 + u^10*x^36 + u^44*x^35 + u^53*x^34 + u^15*x^33 + u^5*x^32 +
u^11*x^28 + u^10*x^26 + u^54*x^25 + u^25*x^24 + u^26*x^22 + u^32*x^21 + u^41*x^20 + u^30*x^19 + u^16*x^18 + u^31*x^17 + u^22*x^16 + u^39*x^14 + u^34*x^13 + u^56*x^12 + u^43*x^11 + u^3*x^10
+ u^28*x^9 + u^22*x^8 + u^45*x^7 + u^37*x^6 + u^41*x^5 + u^24*x^4 + u^23*x^3 + u^14*x^2 + u^19*x,

u^8*x^56 + x^52 + u^60*x^50 + u^27*x^49 + u^3*x^48 + u^16*x^44 + u^2*x^42 + u^26*x^41 + u^53*x^40 + u^42*x^38 + u^53*x^37 + u^30*x^36 + u^38*x^35 + u^62*x^33 + u^8*x^32 + u^28*x^28 + u^3*x^26
+ u^44*x^25 + u^7*x^24 + u^57*x^22 + u^23*x^21 + u^14*x^20 + u^47*x^19 + u^16*x^18 + u^19*x^17 + u^36*x^16 + u^14*x^14 + u^61*x^13 + u^24*x^12 + u^50*x^11 + u^28*x^10 + u^53*x^9 + u^52*x^8
+ u^43*x^7 + u^44*x^6 + u^26*x^5 + u^18*x^4 + u^55*x^3 + u^19*x^2 + u^32*x,

u^23*x^56 + u^49*x^52 + u^6*x^50 + u^8*x^49 + u^48*x^48 + u^31*x^44 + u^4*x^42 + u^62*x^41 + u^48*x^40 + u^30*x^38 + u^41*x^37 + u^26*x^36 + u^48*x^34 + u^21*x^33 + u^22*x^32 + u^36*x^28 +
u^12*x^26 + u^53*x^25 + u^50*x^24 + u^12*x^22 + u^7*x^21 + u^44*x^20 + u^59*x^19 + u^5*x^18 + u^56*x^17 + u^61*x^16 + u^25*x^14 + u^32*x^13 + u^52*x^12 + u^52*x^11 + u^10*x^10 + u^19*x^9
+ u^27*x^8 + u^60*x^7 + u^12*x^6 + u^58*x^5 + u^55*x^4 + u^20*x^3 + u^51*x^2 + u^18*x,

```
    u^23*x^56 + u^49*x^52 + u^6*x^50 + u^8*x^49 + u^48*x^48 + u^31*x^44 + u^4*x^42 + u^62*x^41 + u^48*x^40 + u^30*x^38 + u^41*x^37 + u^26*x^36 + u^48*x^34 + u^21*x^33 + u^22*x^32 + u^36*x^28 +
        u^12*x^26 + u^53*x^25 + u^50*x^24 + u^12*x^22 + u^7*x^21 + u^44*x^20 + u^59*x^19 + u^5*x^18 + u^56*x^17 + u^61*x^16 + u^25*x^14 + u^32*x^13 + u^52*x^12 + u^52*x^11 + u^10*x^10 + u^19*x^9
        +
        u^27*x^8 + u^60*x^7 + u^12*x^6 + u^58*x^5 + u^55*x^4 + u^20*x^3 + u^51*x^2 + u^18*x,

    u^44*x^60 + u^25*x^58 + u^11*x^57 + u^61*x^56 + u^5*x^54 + u^36*x^53 + u^56*x^52 + u^8*x^51 + u^52*x^50 + u^24*x^49 + u^6*x^48 + u*x^46 + u^59*x^45 + u^60*x^44 + u^58*x^43 + u^30*x^42 +
        u^34*x^41 + u^30*x^40 + u^2*x^39 + u^60*x^38 + u^2*x^37 + u^57*x^36 + u^17*x^35 + u^58*x^34 + u^53*x^33 + u^11*x^32 + u^29*x^30 + u^51*x^29 + u^20*x^28 + u^41*x^27 + u^11*x^26 + u^57*x^25
        + u^56*x^24 + u^39*x^23 + u^16*x^21 + u^40*x^20 + u^60*x^19 + u^53*x^18 + x^17 + u^21*x^16 + u^53*x^15 + u^14*x^14 + u^28*x^13 + u^34*x^11 + u^19*x^10 + u^31*x^9 + u^43*x^8 + u^13*x^7 +
        u^38*x^6 + u^32*x^5 + u^44*x^4 + u^42*x^3 + u^30*x^2 + u^19*x,

    u^35*x^60 + u^16*x^58 + u^2*x^57 + u^51*x^56 + u^59*x^54 + u^27*x^53 + u^5*x^52 + u^62*x^51 + u^7*x^50 + u^39*x^49 + u^56*x^48 + u^55*x^46 + u^50*x^45 + u^34*x^44 + u^49*x^43 + u^6*x^41 +
        u^56*x^40 + u^56*x^39 + u^24*x^38 + u^39*x^37 + u^19*x^36 + u^51*x^35 + u^11*x^34 + u^60*x^33 + u^22*x^32 + u^20*x^30 + u^42*x^29 + x^28 + u^32*x^27 + u^20*x^26 + u^23*x^25 + u^38*x^24 +
        u^30*x^23 + u^48*x^22 + u^43*x^21 + u^26*x^20 + u^3*x^19 + u^28*x^18 + u^47*x^17 + u^38*x^16 + u^44*x^15 + u^33*x^14 + u^40*x^13 + u^42*x^12 + u^62*x^11 + u^38*x^10 + u^28*x^9 + u^37*x^8
        +
        u^22*x^7 + u^27*x^6 + u^48*x^5 + u^17*x^4 + u^22*x^3 + u^46*x^2 + u^15*x,

    u^62*x^56 + u^49*x^52 + u^39*x^50 + u^35*x^49 + u^27*x^48 + u^62*x^44 + u^25*x^42 + u^5*x^41 + u^46*x^40 + u^48*x^38 + u^45*x^37 + u^4*x^36 + u^56*x^35 + u^2*x^34 + u^28*x^33 + u^6*x^32 +
        u^40*x^28 + u^12*x^26 + u^9*x^25 + u^36*x^24 + u^46*x^22 + x^21 + u^58*x^20 + u^53*x^19 + u^11*x^18 + u^30*x^17 + u^18*x^16 + u^13*x^14 + u^55*x^13 + u^39*x^12 + u^9*x^11 + u^14*x^10 + x
        ^9
        + u^32*x^8 + u^28*x^7 + u^53*x^6 + u^30*x^5 + u^53*x^4 + u^61*x^3 + u^15*x^2 + u^60*x,

    u^54*x^60 + u^35*x^58 + u^21*x^57 + u^21*x^56 + u^15*x^54 + u^46*x^53 + u^9*x^52 + u^18*x^51 + x^50 + u^18*x^49 + u^5*x^48 + u^11*x^46 + u^6*x^45 + u^12*x^44 + u^5*x^43 + u^36*x^42 + u^49*x
        ^41
        + u^42*x^40 + u^12*x^39 + u^59*x^38 + u^3*x^37 + u^23*x^36 + u^52*x^35 + u^59*x^34 + u^54*x^33 + u^54*x^32 + u^39*x^30 + u^61*x^29 + u^25*x^28 + u^51*x^27 + u^33*x^26 + u^32*x^25 +
        u^19*x^24 + u^49*x^23 + u^44*x^21 + u^55*x^20 + u^46*x^19 + u^6*x^18 + u^44*x^17 + u^17*x^16 + x^15 + u^23*x^14 + u^23*x^13 + u^33*x^12 + u^51*x^11 + u^28*x^10 + u^6*x^9 + u^20*x^8 +
        u^44*x^7 + u^21*x^6 + u^19*x^5 + u^57*x^4 + u^60*x^3 + u^40*x^2 + u^57*x,

    u^21*x^60 + u^2*x^58 + u^51*x^57 + u^62*x^56 + u^45*x^54 + u^13*x^53 + u^36*x^52 + u^48*x^51 + u^29*x^50 + u^58*x^49 + u*x^48 + u^41*x^46 + u^36*x^45 + u^16*x^44 + u^35*x^43 + u^8*x^42 +
        u^37*x^41 + u^53*x^40 + u^42*x^39 + u^21*x^38 + u^62*x^37 + u^9*x^36 + u^61*x^35 + u^8*x^34 + u^17*x^33 + u^27*x^32 + u^6*x^30 + u^28*x^29 + u^55*x^28 + u^18*x^27 + u^61*x^26 + u^57*x^25
        +
        u^51*x^24 + u^16*x^23 + u^40*x^22 + u^6*x^21 + u*x^20 + u^53*x^19 + u^43*x^18 + u^62*x^17 + u^10*x^16 + u^30*x^15 + u^43*x^14 + u^34*x^13 + u^55*x^12 + u^16*x^11 + u^26*x^10 + u^16*x^9 +
        u^36*x^8 + u^10*x^7 + u^29*x^6 + u^6*x^5 + u^55*x^4 + u^60*x^3 + u^40*x^2 + u^34*x,

    u^15*x^52 + u^15*x^50 + u^34*x^49 + u^47*x^48 + u^14*x^44 + u^4*x^42 + u^62*x^41 + u^53*x^40 + u^50*x^38 + u^49*x^36 + u^17*x^35 + u^52*x^34 + u^54*x^33 + u^12*x^32 + u^2*x^28 + u^14*x^26 +
        u^43*x^25 + u^51*x^24 + u^31*x^22 + u^3*x^21 + u^47*x^20 + u^55*x^19 + u^31*x^18 + u^53*x^17 + u^52*x^16 + u^24*x^14 + u^42*x^13 + x^12 + u^61*x^11 + u^59*x^10 + u^61*x^9 + u^45*x^8 +
        u^43*x^7 + u^59*x^6 + u^61*x^5 + u^44*x^4 + u^18*x^3 + u^8*x^2 + u^31*x,

    u^32*x^56 + u^60*x^52 + u^55*x^50 + u^32*x^49 + u^27*x^48 + x^44 + u^9*x^42 + u^49*x^41 + u^34*x^40 + u^31*x^38 + u^20*x^37 + u^13*x^36 + u^14*x^35 + u^23*x^34 + u^55*x^33 + u^27*x^32 +
        u^30*x^28 + u^50*x^26 + u^22*x^25 + u^49*x^24 + u^59*x^22 + u^34*x^21 + u^49*x^20 + u^16*x^19 + u*x^18 + u^61*x^17 + u^60*x^16 + u^46*x^14 + u^8*x^13 + u^33*x^12 + u^47*x^11 + u^8*x^10 +
        u^40*x^9 + u^28*x^8 + u^38*x^7 + u^18*x^6 + u^30*x^5 + u*x^4 + u^26*x^3 + x^2 + u^36*x,

    u^36*x^56 + u^46*x^52 + u^48*x^50 + u^34*x^49 + u^62*x^48 + u^28*x^44 + u^39*x^42 + u^8*x^41 + u^10*x^40 + u^27*x^38 + u^38*x^37 + u^45*x^36 + u^21*x^35 + u^17*x^34 + u^41*x^33 + u^17*x^32 +
        u^42*x^28 + u^42*x^26 + u^31*x^24 + u^54*x^22 + u^35*x^21 + u^62*x^20 + u^17*x^19 + u^14*x^18 + u^27*x^17 + u^6*x^16 + u*x^14 + u^7*x^13 + u^45*x^12 + u^23*x^11 + u^36*x^10 + u^39*x^9 +
        u^41*x^8 + u^34*x^7 + u^53*x^6 + u^42*x^5 + u^5*x^4 + u^57*x^3 + u^57*x^2 + u^36*x,

    u^19*x^56 + u^17*x^52 + u^32*x^50 + u^26*x^49 + u^45*x^48 + u^23*x^44 + u^59*x^42 + u^40*x^41 + u^54*x^40 + u^34*x^38 + u^54*x^37 + u^29*x^36 + u^15*x^35 + u^16*x^34 + u^13*x^33 + u^31*x^32 +
        u^46*x^28 + u^37*x^26 + u^41*x^25 + u^7*x^24 + u^6*x^22 + u^59*x^21 + u^55*x^20 + u^30*x^19 + u^6*x^18 + u^19*x^17 + u^36*x^16 + u^32*x^14 + u^15*x^13 + u^13*x^12 + u^39*x^11 + u^57*x^10
        +
        u^60*x^9 + u^26*x^8 + x^7 + u^17*x^6 + u^32*x^5 + u^42*x^4 + u^50*x^3 + u^50*x^2 + u^7*x,

    u^50*x^56 + u^30*x^52 + u^57*x^50 + u^13*x^49 + u^51*x^48 + u^7*x^44 + u^43*x^41 + u^10*x^40 + u^47*x^38 + u^56*x^37 + u^9*x^36 + u^11*x^35 + u^35*x^34 + u^34*x^33 + u^33*x^32 + u^5*x^28 +
        u^51*x^26 + u^18*x^25 + u^43*x^24 + u^10*x^22 + u^24*x^21 + u^42*x^20 + u^23*x^19 + u^58*x^18 + u^13*x^17 + u^4*x^16 + u^11*x^14 + u^5*x^13 + u^25*x^12 + u^58*x^11 + u^39*x^10 + u^51*x^9
        +
        u^31*x^8 + x^7 + u^29*x^6 + u^16*x^5 + u^36*x^4 + u^5*x^3 + u^17*x^2 + u^51*x
];


Function:
x^3 + u^17*(x^17 + x^18 + x^20 + x^24) + //non-quadratic
u^14*((u^52*x^3 + u^6*x^5 + u^19*x^7 + u^28*x^11 + u^2*x^13)+
(u^52*x^3 + u^6*x^5 + u^19*x^7 + u^28*x^11 + u^2*x^13)^2 +
(u^52*x^3 + u^6*x^5 + u^19*x^7 + u^28*x^11 + u^2*x^13)^4+
(u^52*x^3 + u^6*x^5 + u^19*x^7 + u^28*x^11 + u^2*x^13)^8+
(u^52*x^3 + u^6*x^5 + u^19*x^7 + u^28*x^11 + u^2*x^13)^16+
(u^52*x^3 + u^6*x^5 + u^19*x^7 + u^28*x^11 + u^2*x^13)^32+
(u^2*x)^9 +(u^2*x)^18 +(u^2*x)^36 +
x^21+x^42);

#EA-Classes: 25

Degrees: {* 3^^10, 4^^15 *}

Representatives:
[
    u^44*x^60 + u^25*x^58 + u^11*x^57 + u^37*x^56 + u^5*x^54 + u^36*x^53 + u^53*x^52 + u^8*x^51 + u^60*x^50 + u^7*x^49 + u^7*x^48 + u*x^46 + u^59*x^45 + u^14*x^44 + u^58*x^43 + u^52*x^42 +
        u^50*x^41 + u^50*x^40 + u^2*x^39 + u^36*x^38 + u^4*x^37 + u^55*x^36 + u^13*x^35 + u^16*x^34 + u^2*x^33 + u^24*x^32 + u^29*x^30 + u^51*x^29 + u^22*x^28 + u^41*x^27 + u^3*x^26 + u^35*x^25 +
        u^53*x^24 + u^39*x^23 + u^30*x^22 + u^30*x^21 + u^59*x^20 + u^22*x^19 + u^5*x^18 + u^27*x^17 + u^8*x^16 + u^53*x^15 + u^47*x^14 + u^38*x^13 + u^44*x^12 + u^3*x^11 + u^19*x^10 + u^21*x^9 +
        u^62*x^8 + u^16*x^7 + u^27*x^6 + u^35*x^5 + u^58*x^4 + u^51*x^3 + u^7*x^2 + x,

    u^46*x^60 + u^10*x^58 + u^15*x^57 + u^4*x^56 + u^23*x^54 + u^6*x^53 + u^28*x^52 + u^16*x^51 + u^20*x^50 + u^26*x^49 + u^52*x^48 + u^13*x^46 + u^32*x^45 + u^31*x^44 + u^61*x^43 + u^39*x^42 +
        u^4*x^41 + u^11*x^40 + u^18*x^39 + u^19*x^38 + u^25*x^37 + u^15*x^36 + u^21*x^35 + u^30*x^34 + u^59*x^33 + u^32*x^32 + u^30*x^30 + u^12*x^29 + u^24*x^28 + u^50*x^27 + u^62*x^26 + u^26*x
        ^25
        + u^30*x^24 + u^45*x^23 + u^19*x^22 + u^8*x^21 + u^43*x^20 + u^31*x^19 + u^60*x^18 + u*x^17 + u^51*x^16 + u^22*x^15 + u^46*x^14 + u^10*x^13 + u^48*x^12 + u^53*x^11 + u^15*x^10 + u^20*x^9
        +
        u^10*x^8 + u^44*x^7 + u^50*x^6 + u^23*x^5 + u^60*x^4 + u^25*x^2 + u^19*x,

    u^32*x^60 + u^48*x^58 + u^4*x^57 + u^37*x^56 + u^58*x^54 + u^29*x^53 + u^33*x^52 + u*x^51 + u^13*x^50 + u^32*x^49 + u^21*x^48 + u^56*x^46 + u^59*x^45 + u^53*x^44 + u^26*x^43 + x^42 + u^20*x
        ^41
        + u^7*x^40 + u^18*x^39 + u^57*x^38 + u^6*x^37 + u^44*x^36 + u^2*x^35 + u^41*x^34 + u^29*x^33 + u^34*x^32 + u^8*x^30 + u^46*x^29 + u^9*x^28 + u^28*x^27 + u^46*x^26 + u^45*x^25 + u^44*x^24
        +
        u^40*x^23 + u^38*x^22 + u^15*x^21 + u^30*x^20 + u^21*x^19 + u^33*x^18 + u^30*x^17 + u^33*x^16 + u^39*x^15 + u^3*x^14 + u^9*x^13 + u^2*x^12 + u^13*x^11 + u^55*x^10 + u^34*x^9 + u^11*x^8 +
        u^57*x^7 + u^47*x^6 + u^13*x^5 + u^18*x^4 + u^57*x^3 + u^45*x^2 + u^5*x,

    u^5*x^60 + u^2*x^58 + u^59*x^57 + u^42*x^56 + u^14*x^54 + u^53*x^53 + u^60*x^52 + u^41*x^51 + u^23*x^50 + u^61*x^49 + u^57*x^48 + u^11*x^46 + u^14*x^45 + u^44*x^44 + u^29*x^43 + u^15*x^42 +
        u^27*x^41 + u^24*x^40 + u^5*x^39 + u^24*x^38 + u^33*x^37 + u^26*x^36 + u^45*x^35 + u^19*x^34 + u^10*x^33 + u^51*x^32 + u^41*x^30 + u^8*x^29 + u^2*x^28 + u^14*x^27 + u^3*x^26 + u^5*x^25 +
        u^11*x^24 + u^44*x^23 + u^51*x^22 + u^44*x^21 + u^4*x^20 + u^19*x^19 + u^35*x^18 + u^37*x^17 + u^19*x^16 + u^59*x^15 + u^32*x^14 + u^11*x^13 + u^62*x^12 + u^39*x^11 + u^50*x^10 + u^36*x^9
        + u^30*x^8 + u^45*x^7 + u^25*x^6 + u^27*x^5 + u^40*x^4 + u^22*x^3 + u^12*x^2 + u^56*x,
    u^50*x^56 + u^37*x^52 + u^39*x^50 + u^57*x^49 + u^13*x^48 + u^50*x^44 + u^56*x^42 + u^25*x^41 + u^34*x^40 + u^12*x^38 + u^41*x^37 + u^52*x^36 + u^43*x^35 + u^16*x^34 + u^58*x^33 + u^38*x^32 +
        u^54*x^28 + u^13*x^26 + u^36*x^25 + u^15*x^24 + u^33*x^22 + u^40*x^21 + u^22*x^20 + u^10*x^19 + u^46*x^18 + u^6*x^17 + u^7*x^14 + u^28*x^13 + u^51*x^12 + u^4*x^11 + u^60*x^10 + u^18*x^9 +
        u^34*x^8 + u^52*x^7 + u^41*x^6 + u^39*x^5 + u^62*x^4 + u^57*x^3 + u^23*x^2 + u^11*x,

    u^55*x^60 + u^4*x^58 + u^33*x^57 + u^4*x^56 + u^50*x^54 + u^57*x^53 + u^60*x^52 + u^52*x^51 + u^19*x^50 + u^13*x^49 + u^43*x^46 + u^23*x^45 + u^34*x^44 + u^37*x^43 + u^7*x^42 + u^48*x^41 +
        u^44*x^40 + u^27*x^39 + u^32*x^38 + u^57*x^37 + u^48*x^36 + u^23*x^35 + u^20*x^34 + u^49*x^33 + u^59*x^32 + u^3*x^30 + u^9*x^29 + u^55*x^28 + u^32*x^27 + u^59*x^26 + u^62*x^25 + u^20*x^24
        + u^60*x^23 + x^22 + u^43*x^21 + u^6*x^20 + u^60*x^19 + u^28*x^18 + u^39*x^17 + u^38*x^16 + u^40*x^15 + u^21*x^14 + u^4*x^13 + u^37*x^12 + u^29*x^11 + u^56*x^10 + u^41*x^9 + u^4*x^8 +
        u^24*x^6 + u^60*x^5 + u^56*x^4 + u^7*x^3 + u*x^2 + u^35*x,

    u^54*x^56 + u^58*x^52 + u^41*x^50 + u^45*x^49 + u^20*x^48 + u^24*x^44 + u*x^42 + u^58*x^41 + u^20*x^38 + u^18*x^37 + u^9*x^36 + u^43*x^35 + u^58*x^34 + u^4*x^33 + u^10*x^32 + u^14*x^28 +
        u^46*x^26 + u^51*x^25 + u^37*x^24 + u^27*x^22 + u^43*x^21 + u^41*x^20 + u^61*x^19 + u*x^18 + u^52*x^17 + u^16*x^16 + u^7*x^14 + u^37*x^13 + u^10*x^12 + u^37*x^11 + u^48*x^10 + u^29*x^9 +
        u^11*x^8 + u^19*x^7 + u^27*x^6 + u^9*x^5 + u^35*x^4 + u^48*x^3 + u^7*x^2 + u^15*x,
```

u^30*x^56 + u^52*x^52 + u^15*x^50 + u^58*x^49 + u^53*x^48 + u^26*x^44 + u^40*x^42 + u^62*x^41 + u^52*x^40 + u^27*x^38 + u^42*x^37 + u^20*x^36 + u^17*x^35 + u^10*x^34 + u^26*x^33 + u^55*x^32 +
u^22*x^28 + u^26*x^26 + u^60*x^25 + u^55*x^24 + u^19*x^22 + u^41*x^21 + u^38*x^20 + u^42*x^19 + u^35*x^18 + u^4*x^17 + u^20*x^16 + u^2*x^14 + u^56*x^13 + u^60*x^12 + u^22*x^11 + u^43*x^10
+ u^9*x^9 + u^45*x^8 + u^2*x^7 + u^55*x^6 + u^62*x^5 + u^35*x^4 + u^44*x^3 + u^38*x^2 + u^47*x,

u^46*x^60 + u^10*x^58 + u^15*x^57 + u^11*x^56 + u^23*x^54 + u^6*x^53 + u^30*x^52 + u^16*x^51 + u^52*x^50 + u^4*x^49 + u^8*x^48 + u^13*x^46 + u^32*x^45 + u^13*x^44 + u^61*x^43 + u^33*x^42 +
u^16*x^41 + u^18*x^40 + u^18*x^39 + u^30*x^38 + u^47*x^37 + u^62*x^36 + u^55*x^35 + u^2*x^34 + u^46*x^33 + u^17*x^32 + u^30*x^30 + u^12*x^29 + u^6*x^28 + u^50*x^27 + u^45*x^26 + x^25 +
u^20*x^24 + u^45*x^23 + u^35*x^22 + u^17*x^21 + u^36*x^20 + u^12*x^19 + u^21*x^18 + u^14*x^17 + u^53*x^16 + u^22*x^15 + u^14*x^14 + u^59*x^13 + u^25*x^12 + u^16*x^11 + u^25*x^10 + u^2*x^9
+ u^33*x^8 + u^4*x^7 + u^16*x^6 + u^42*x^5 + u^7*x^4 + u^22*x^3 + u^43*x^2 + u^57*x,

u^8*x^56 + u^40*x^52 + u^50*x^50 + u^60*x^49 + u^48*x^48 + u^45*x^44 + u^27*x^42 + u^13*x^41 + u^19*x^40 + u^9*x^38 + u^60*x^37 + u^53*x^36 + u^32*x^34 + u^35*x^33 + u^44*x^32 + u^32*x^28 +
u^3*x^25 + u^20*x^24 + u^38*x^22 + u^5*x^21 + u^33*x^20 + u^61*x^19 + u^36*x^17 + u^58*x^16 + u^38*x^14 + u^22*x^13 + u^40*x^12 + u^47*x^11 + u^36*x^10 + u^3*x^9 + u^10*x^8 + u^35*x^7 +
u^61*x^6 + u^8*x^5 + u^35*x^4 + u^51*x^3 + u^40*x^2 + u^2*x,

u^7*x^60 + u^9*x^58 + x^57 + u^24*x^56 + u^50*x^54 + u^4*x^53 + u^61*x^52 + u^49*x^51 + u^13*x^50 + u^21*x^49 + u^55*x^48 + u^60*x^46 + u^23*x^45 + u^16*x^44 + u^57*x^43 + u^19*x^42 + u^24*x
^41 +
u^14*x^40 + u^21*x^39 + u^32*x^38 + u^44*x^37 + u^29*x^36 + u^50*x^35 + u^22*x^34 + u^55*x^33 + u^12*x^32 + u^42*x^30 + u^43*x^29 + u^56*x^28 + u^32*x^27 + u^59*x^26 + u^47*x^25 + u^25*x
^24 +
u^37*x^23 + u^46*x^22 + u^27*x^21 + u^41*x^20 + u^51*x^19 + u^36*x^18 + u^35*x^17 + u^49*x^16 + u^28*x^15 + u^38*x^14 + u^47*x^13 + u^44*x^12 + u^13*x^11 + u^28*x^10 + u^13*x^9 + u^33*x^8
+
u^59*x^7 + u^39*x^6 + u^27*x^5 + u^61*x^4 + u^18*x^3 + u^30*x^2 + u^19*x,

u^9*x^56 + u^6*x^52 + u^38*x^50 + u^52*x^49 + u^17*x^48 + u^55*x^44 + u^29*x^42 + u^32*x^41 + u^30*x^40 + u^60*x^38 + u^37*x^37 + u^17*x^36 + u^59*x^35 + u^49*x^34 + u^59*x^33 + u^33*x^32 + u
^54*x^28
+ u^2*x^26 + u^5*x^25 + u^44*x^24 + u^22*x^22 + u^17*x^21 + u^17*x^20 + u^6*x^19 + u^15*x^17 + u^44*x^16 + u^60*x^14 + u^39*x^13 + u^38*x^12 + u^56*x^11 + u^9*x^10 + u^56*x^8 + u^36*x^7 +
u^53*x^6
+ u^36*x^5 + u^5*x^4 + u^3*x^3 + u^29*x^2 + u^5*x,

u^59*x^56 + u^18*x^52 + u^59*x^50 + u^59*x^49 + u^23*x^48 + u^51*x^44 + u^61*x^42 + u^13*x^41 + u^57*x^40 + u^53*x^38 + u^60*x^37 + u^24*x^36 + u^45*x^35 + u^11*x^33 + u^20*x^32 + u^61*x^28 +
u^34*x^26 + u^24*x^25 + u^34*x^24 + u^23*x^22 + u^17*x^21 + u^4*x^20 + u^21*x^19 + u^6*x^18 + u^20*x^17 + u^20*x^16 + u^2*x^14 + u^29*x^13 + u^32*x^12 + u^20*x^11 + u^34*x^10 + u^20*x^9 +
u^33*x^8
+ u^23*x^7 + u^61*x^6 + u^57*x^5 + u^54*x^4 + u^10*x^3 + u^45*x^2 + u^26*x,

u^22*x^56 + u^46*x^52 + u^45*x^50 + u^26*x^49 + u^11*x^44 + u^9*x^42 + u^34*x^41 + u^34*x^38 + u^9*x^37 + u^33*x^36 + u^47*x^35 + u^3*x^34 + u^34*x^33 + u^53*x^32 + u^28*x^28 + u^58*x^26 + u
^46*x^25 +
u^37*x^24 + u^56*x^22 + u^48*x^21 + u^56*x^20 + u^44*x^19 + u^45*x^18 + u^33*x^17 + u^11*x^16 + u^4*x^14 + u^30*x^13 + u^53*x^12 + u^11*x^11 + u^14*x^10 + u^5*x^9 + u^26*x^8 + u^20*x^7 +
u^26*x^6
+ u^25*x^5 + u^47*x^4 + u^49*x^3 + u^58*x^2 + u^24*x,

u^15*x^416 + u^28*x^352 + u^55*x^224 + u^46*x^208 + u^21*x^176 + u^17*x^160 + u^3*x^112 + u^30*x^104 + u^40*x^96 + u^49*x^88 + u^47*x^80 + u^40*x^56 + u^22*x^52 + u^27*x^48 + x^44 + u^14*x^42
+
u^62*x^40 + u^23*x^36 + u^27*x^28 + u^18*x^26 + u^21*x^24 + u^7*x^22 + u^14*x^21 + u^59*x^20 + u^55*x^18 + u^17*x^17 + u^52*x^14 + u^16*x^13 + u^33*x^12 + u^42*x^11 + u^26*x^10 + u^32*x^9
+
u^33*x^7 + u^55*x^6 + u^20*x^5 + u^13*x^3,

u^6*x^60 + u^46*x^58 + u^61*x^57 + u^25*x^56 + u^50*x^54 + u^15*x^53 + u*x^52 + u^45*x^51 + u^62*x^50 + x^49 + u^34*x^48 + u^22*x^46 + u^23*x^45 + u*x^44 + u^16*x^43 + u^29*x^42 + u^8*x^41 +
u^29*x^40
+ u^13*x^39 + u^22*x^38 + u^26*x^37 + u^37*x^36 + u^14*x^35 + u^30*x^34 + u^23*x^33 + u^13*x^32 + u^10*x^30 + u^30*x^29 + u^11*x^28 + u^32*x^27 + u^20*x^26 + u^48*x^25 + u^36*x^24 + u^18*
x^23 +
u^13*x^22 + u^9*x^21 + u^3*x^20 + u^55*x^19 + u^24*x^18 + u^28*x^17 + u^17*x^16 + u^12*x^15 + u^18*x^14 + u^2*x^12 + u^62*x^11 + u^21*x^9 + u^57*x^8 + u^58*x^7 + u^23*x^6 + u^43*x^5 + u
^33*x^4 +
u^3*x^3 + u*x^2 + u^46*x,

u^8*x^60 + u^25*x^58 + u^2*x^57 + u^27*x^56 + u^36*x^53 + u^24*x^52 + u^53*x^51 + u^6*x^49 + u^48*x^48 + u*x^46 + u^57*x^44 + u^58*x^43 + u^52*x^42 + u^24*x^41 + u^27*x^40 + u^29*x^39 + u^28*
x^38 +
u^18*x^37 + u^35*x^36 + u^8*x^35 + u^45*x^34 + u^16*x^33 + u^31*x^32 + u^11*x^30 + u^51*x^29 + u^30*x^28 + u^10*x^26 + u^6*x^25 + u^52*x^24 + u^39*x^23 + u^4*x^22 + u^55*x^21 + u^7*x^20 +
u^5*x^19
+ u^14*x^18 + u^13*x^17 + u^34*x^16 + u^44*x^15 + u^48*x^14 + u^14*x^13 + u^16*x^12 + u^26*x^11 + u^18*x^10 + u^32*x^9 + u^25*x^8 + u^7*x^7 + u^51*x^6 + u^37*x^5 + u^49*x^4 + u^31*x^3 + u
^50*x^2 +
u^23*x,

u^17*x^60 + u^52*x^58 + u^20*x^57 + u^38*x^56 + u^5*x^54 + u^27*x^53 + u^16*x^52 + u^26*x^51 + u^61*x^50 + u^21*x^49 + u^55*x^48 + u^55*x^46 + u^59*x^45 + u^56*x^44 + u^40*x^43 + u^46*x^42 +
u^4*x^41
+ u^53*x^40 + u^38*x^39 + u^50*x^38 + u^21*x^37 + x^36 + u^35*x^35 + u^61*x^34 + u^5*x^33 + u^33*x^32 + u^47*x^30 + u^33*x^29 + u^48*x^28 + u^41*x^27 + u^13*x^26 + u^34*x^25 + u^21*x^24 +
u^3*x^23
+ u^50*x^22 + u^37*x^21 + u^25*x^20 + u^15*x^19 + u^34*x^18 + u^37*x^17 + u^24*x^16 + u^62*x^15 + u^4*x^14 + u^42*x^13 + u^22*x^12 + u^45*x^11 + u^57*x^10 + u^43*x^9 + u^41*x^8 + u^51*x^7
+
u^37*x^6 + x^5 + u^32*x^4 + u^29*x^3 + u^18*x^2 + u*x,

u^46*x^60 + u^10*x^58 + u^15*x^57 + x^56 + u^23*x^54 + u^6*x^53 + u^16*x^51 + u^28*x^50 + u^16*x^49 + u^56*x^48 + u^13*x^46 + u^32*x^45 + u^20*x^44 + u^61*x^43 + u^12*x^42 + u^33*x^41 + u^6*x
^40 +
u^18*x^39 + u^30*x^38 + u^28*x^37 + u^26*x^36 + u^27*x^35 + u^62*x^34 + u^8*x^33 + u^7*x^32 + u^30*x^30 + u^12*x^29 + u^49*x^28 + u^50*x^27 + u^62*x^26 + u^48*x^25 + u^30*x^24 + u^45*x^23
+
u^47*x^22 + u^29*x^21 + u^17*x^20 + u^49*x^19 + u^32*x^18 + u^15*x^17 + u^35*x^16 + u^22*x^15 + u^53*x^14 + u^47*x^13 + u*x^12 + u^55*x^11 + u^14*x^10 + u^56*x^9 + u^61*x^8 + u^51*x^7 + u
^12*x^6 +
u^17*x^5 + u^56*x^4 + u^60*x^3 + u^26*x^2 + u^28*x,

u^12*x^60 + u^38*x^58 + u^34*x^57 + u^36*x^56 + u^21*x^54 + u^25*x^52 + u^43*x^51 + u^19*x^50 + u^14*x^49 + u^26*x^48 + u^48*x^46 + u^23*x^45 + u^13*x^44 + u^28*x^43 + x^42 + u^56*x^40 + u
^32*x^39 +
u^27*x^38 + u^59*x^37 + u^17*x^36 + u^58*x^35 + u^31*x^34 + u^5*x^33 + u^18*x^32 + u^35*x^30 + u^30*x^29 + u^20*x^28 + u^49*x^27 + u^37*x^26 + u^51*x^25 + u^2*x^24 + u^39*x^23 + u^33*x^22
+
u^32*x^21 + u^5*x^20 + u^30*x^19 + u^61*x^18 + u^31*x^17 + u^23*x^16 + u^40*x^15 + u^51*x^14 + u^54*x^13 + u^9*x^12 + u^13*x^11 + x^10 + u^14*x^9 + u^12*x^8 + u^28*x^7 + u^4*x^6 + u^16*x
^5 +
u^5*x^4 + u^55*x^3 + u^19*x^2 + u^25*x,

u^33*x^56 + u^28*x^52 + u^6*x^50 + u^49*x^49 + u^41*x^48 + u^46*x^44 + u^8*x^42 + u^9*x^41 + u^52*x^40 + u^14*x^38 + u^52*x^37 + u^27*x^36 + u^43*x^34 + u^47*x^33 + u^50*x^32 + u^5*x^28 + u
^4*x^26 +
u^54*x^25 + u^40*x^24 + u^11*x^22 + u^37*x^21 + u*x^20 + u^30*x^19 + u^52*x^18 + u^48*x^17 + u^56*x^16 + u^61*x^14 + u^8*x^13 + u^22*x^12 + u^35*x^11 + u^19*x^10 + u^25*x^9 + u^43*x^8 + u
^6*x^7 +
u*x^6 + u^19*x^5 + u^5*x^4 + u^4*x^3 + u^60*x^2 + u^2*x,

u^19*x^56 + u^41*x^52 + u^4*x^50 + u^47*x^49 + u^2*x^48 + u^27*x^44 + u^43*x^42 + u^57*x^41 + u^31*x^40 + u^32*x^38 + u^9*x^37 + u^41*x^36 + u^10*x^35 + u^35*x^34 + u^22*x^33 + u^47*x^32 + u
^19*x^28 +
u*x^26 + u^36*x^25 + u^30*x^24 + u^9*x^22 + u^19*x^21 + u^36*x^20 + u^48*x^19 + u^8*x^18 + u^35*x^17 + u^57*x^16 + u^51*x^14 + u^39*x^13 + u^26*x^12 + u^36*x^11 + u^24*x^10 + u^19*x^9 + u
^36*x^8 +
u^10*x^7 + u^47*x^6 + u^2*x^5 + u^11*x^4 + u^51*x^3 + u^7*x^2 + u^57*x,

u^11*x^60 + u^9*x^58 + u^3*x^57 + u^60*x^56 + u^21*x^54 + u^20*x^53 + u^36*x^52 + u^43*x^51 + u^9*x^50 + u^56*x^49 + u^11*x^48 + u^12*x^46 + u^43*x^45 + u^26*x^44 + u^47*x^43 + u^4*x^42 + u
^23*x^41 +
u^28*x^40 + u^49*x^39 + u*x^38 + u^61*x^37 + u^43*x^36 + u^20*x^35 + u^31*x^34 + u^30*x^33 + u^53*x^32 + u^28*x^30 + u^41*x^29 + u^22*x^28 + u^5*x^27 + u^41*x^26 + u^60*x^25 + u^33*x^24 +
u^53*x^23 + x^22 + u^11*x^21 + u^43*x^20 + u*x^19 + u^48*x^18 + u^9*x^17 + u^41*x^16 + u^33*x^15 + u^53*x^14 + u^55*x^13 + u^53*x^12 + u^7*x^11 + u^53*x^10 + u^27*x^9 + u^41*x^8 + u^11*x
^7 +
u^39*x^6 + u^26*x^5 + u^52*x^4 + u^41*x^3 + u^23*x^2 + u^6*x,

u^44*x^60 + u^25*x^58 + u^11*x^57 + u^39*x^56 + u^5*x^54 + u^36*x^53 + u^59*x^52 + u^8*x^51 + u^52*x^50 + u^3*x^49 + u^50*x^48 + u*x^46 + u^59*x^45 + u^26*x^44 + u^58*x^43 + u^23*x^42 + u^56*
x^41 +
u^20*x^40 + u^2*x^39 + u^38*x^38 + u^8*x^37 + u^25*x^36 + u^52*x^35 + u^44*x^34 + u^33*x^33 + u^10*x^32 + u^29*x^30 + u^51*x^29 + u^21*x^28 + u^41*x^27 + u*x^26 + u^12*x^25 + u^35*x^24 +
u^39*x^23

+ u*x^22 + u^15*x^21 + u^16*x^20 + u^34*x^19 + u^11*x^18 + u^15*x^17 + u^53*x^15 + u^7*x^14 + u^35*x^13 + u^14*x^12 + u^5*x^11 + u^37*x^10 + u^50*x^9 + u^13*x^8 + u^7*x^7 + u^14*x^5 + u
         ^18*x^4 +
      x^3 + u^17*x^2 + u^32*x,

   u^26*x^60 + u^34*x^58 + u^38*x^57 + u^11*x^56 + u^54*x^53 + x^52 + u^62*x^51 + u^57*x^50 + u^8*x^49 + u^58*x^48 + u^19*x^46 + u^43*x^44 + u^31*x^43 + u^54*x^42 + u^61*x^41 + u^23*x^40 + u^47*
         x^39 +
      u^20*x^38 + u^36*x^37 + u^57*x^36 + u^45*x^35 + u^9*x^34 + u*x^33 + u^30*x^32 + u^20*x^30 + u^24*x^29 + u^37*x^28 + u^42*x^26 + u^9*x^25 + u^62*x^24 + u^48*x^23 + u^50*x^22 + u^60*x^21 +
         u^41*x^20
      + u^46*x^19 + u^29*x^18 + u^11*x^17 + u^36*x^16 + u^17*x^15 + u^21*x^14 + u^27*x^13 + u^56*x^12 + u^34*x^11 + u^40*x^10 + u^28*x^9 + u^41*x^8 + u^17*x^7 + u^42*x^5 + u^29*x^4 + u^49*x^3 +
         u^35*x^2
      + u^25*x
]

Appendix 2

GF(128), simplex codes in C(F)

x^3
There are 256 candidate simplex codes
x^9
There are 256 candidate simplex codes
x^5
There are 256 candidate simplex codes
x^13
There are 2 candidate simplex codes
x^57
There are 2 candidate simplex codes
x^126
There are 2 candidate simplex codes
x^80 + x^66 + x^10 + x^9 + x^3
There are 184 candidate simplex codes
x^34 + x^18 + x^5
There are 184 candidate simplex codes
x^20 + x^6 + x^3
There are 324 candidate simplex codes
x^66 + x^34 + x^20 + x^17 + x^3
There are 184 candidate simplex codes
x^34 + x^33 + x^17 + x^3
There are 184 candidate simplex codes
x^34 + x^33 + x^10 + x^5 + x^3
There are 296 candidate simplex codes
x^66 + x^18 + x^9 + x^3
There are 212 candidate simplex codes
x^33 + x^17 + x^12 + x^3
There are 240 candidate simplex codes
x^66 + x^34 + x^20 + x^3
There are 184 candidate simplex codes
x^72 + x^40 + x^12 + x^3
There are 184 candidate simplex codes
x^72 + x^40 + x^34 + x^6 + x^3
There are 184 candidate simplex codes
x^34 + x^33 + x^12 + x^6 + x^5 + x^3
There are 240 candidate simplex codes
g^32*x^96 + g^7*x^80 + g^22*x^72 + g^60*x^68 + g^74*x^66 + g^37*x^65 + g^93*x^48 + g^43*x^40 + g^37*x^36 + g^69*x^34 + g^114*x^33 + g^60*x^24 + g^22*x^20 + g^32*x^18 + g^67*x^17 + g^107*x^12 + g^88*x^10 + g^93*x^9 + g^64*x^6 + g^121*x^5 + g^22*x^3
There are 216 candidate simplex codes
g^27*x^96 + g^74*x^80 + g^115*x^72 + g^108*x^68 + g^10*x^66 + g^100*x^65 + g^90*x^48 + g^15*x^40 + g^84*x^36 + g^126*x^34 + g*x^33 + g^103*x^24 + g^105*x^20 + g^103*x^18 + g^93*x^17 + g^118*x^12 + g^119*x^10 + g^118*x^9 + g^24*x^6 + g^20*x^5 + g^23*x^3
There are 252 candidate simplex codes
g^3*x^96 + g^126*x^80 + g^116*x^72 + g^36*x^68 + g^109*x^66 + g^108*x^65 + g^90*x^48 + g^4*x^40 + g^70*x^36 + g^76*x^34 + g^115*x^33 + g^79*x^24 + g^10*x^20 + g^80*x^18 + g^117*x^17 + g^4*x^10 + g^62*x^9 + g^39*x^6 + g^102*x^5 + g^26*x^3
There are 224 candidate simplex codes
g^95*x^96 + g^48*x^80 + g^14*x^72 + g^112*x^68 + g^93*x^66 + g^16*x^65 + g^30*x^48 + g^76*x^40 + g^103*x^36 + g^44*x^34 + g^77*x^33 + g^50*x^24 + g^118*x^20 + g^20*x^18 + g^101*x^17 + g^91*x^12 + g^13*x^10 + g^115*x^9 + g^33*x^6 + g^55*x^3
There are 224 candidate simplex codes
g^49*x^96 + g^97*x^80 + g^100*x^72 + g*x^68 + g^42*x^66 + g^21*x^65 + g^29*x^48 + g^122*x^40 + g^97*x^36 + g^2*x^34 + g^117*x^33 + g^68*x^24 + g^74*x^20 + x^18 + g^13*x^17 + g^95*x^12 + g^90*x^10 + g^48*x^9 + g^55*x^6 + g^79*x^5 + g^124*x^3
There are 208 candidate simplex codes
g^104*x^96 + g^10*x^80 + g^77*x^72 + g^121*x^68 + g^82*x^66 + g^123*x^65 + g^17*x^48 + g^52*x^40 + g^3*x^36 + g^40*x^34 + g^95*x^33 + g^57*x^24 + g^5*x^20 + g^122*x^18 + g^105*x^17 + g^39*x^12 + g^41*x^10 + g^33*x^9 + g^73*x^6 + g^9*x^5 + g^10*x^3
There are 196 candidate simplex codes
g^54*x^96 + g^80*x^80 + g^54*x^72 + g^39*x^68 + x^66 + g^28*x^65 + g^20*x^48 + g^25*x^40 + g^9*x^36 + g^8*x^34 + g^46*x^33 + g^2*x^24 + g^76*x^20 + g^125*x^18 + g^48*x^17 + g^66*x^12 + g^60*x^10 + g^36*x^9 + g^90*x^6 + g^60*x^5 + g^121*x^3
There are 192 candidate simplex codes
g^118*x^96 + g^83*x^80 + g^70*x^72 + g^20*x^68 + g^126*x^66 + g^100*x^65 + x^48 + g^115*x^40 + g^34*x^36 + g^3*x^34 + g^12*x^33 + g^124*x^24 + g^78*x^20 + g^123*x^18 + g^58*x^17 + g^15*x^12 + g^92*x^10 + g^80*x^9 + g^97*x^6 + g^15*x^5 + g^72*x^3
There are 212 candidate simplex codes
g^6*x^96 + g^121*x^80 + g^87*x^72 + g^26*x^68 + g^121*x^66 + g^8*x^65 + g^105*x^48 + g^37*x^40 + g^98*x^36 + g^51*x^34 + g^37*x^33 + g^25*x^24 + g^63*x^20 + g^113*x^18 + g^9*x^17 + g^75*x^12 + g^109*x^10 + g^53*x^9 + g^66*x^6 + g^108*x^5 + g^45*x^3
There are 220 candidate simplex codes
g^77*x^96 + g^85*x^80 + g^36*x^72 + g^72*x^68 + g^55*x^66 + g^42*x^65 + g^79*x^48 + g^73*x^40 + g^38*x^36 + g^66*x^34 + g^4*x^33 + g^108*x^24 + g^40*x^20 + g^74*x^18 + g^32*x^17 + g^36*x^12 + g^94*x^10 + g^32*x^9 + g^80*x^6 + g^2*x^5 + g^81*x^3
There are 212 candidate simplex codes
g^69*x^96 + g^124*x^80 + g^100*x^72 + g^90*x^68 + g^91*x^66 + g^6*x^65 + g^41*x^48 + g^43*x^40 + x^36 + g^114*x^34 + g^111*x^33 + g^23*x^24 + g^9*x^20 + g^67*x^18 + g^123*x^17 + g^60*x^12 + g^68*x^9 + g^122*x^6 + g^31*x^5 + g^99*x^3
There are 240 candidate simplex codes
g^54*x^96 + g^74*x^80 + g^79*x^72 + g^5*x^68 + g^90*x^66 + g^50*x^65 + g^56*x^48 + g^71*x^40 + g^72*x^36 + g^119*x^34 + g^88*x^33 + g^69*x^24 + g^57*x^20 + g^66*x^18 + g^70*x^17 + g^81*x^12 + g^9*x^10 + g^58*x^9 + g^54*x^6 + g^13*x^5 + g^64*x^3
There are 232 candidate simplex codes
g^47*x^96 + g^7*x^80 + g^100*x^72 + g^47*x^66 + g^30*x^65 + g^85*x^48 + g^106*x^40 + g^91*x^36 + g^86*x^34 + g^67*x^33 + g^73*x^24 + g^102*x^20 + g^14*x^18 + g^99*x^17 + g^82*x^12 + g^64*x^10 + g^28*x^9 + g^69*x^6 + g^60*x^5 + g^16*x^3
There are 200 candidate simplex codes
g^91*x^96 + g^124*x^80 + g^42*x^72 + g^61*x^68 + g^89*x^66 + g^91*x^65 + g^96*x^48 + g^67*x^40 + g^125*x^36 + g^67*x^34 + g^75*x^33 + g^22*x^24 + g^52*x^20 + g^20*x^18 + g^61*x^17 + g^49*x^12 + g^29*x^10 + g^54*x^9 + g^75*x^6 + g^89*x^5 + g^77*x^3
There are 224 candidate simplex codes
g^47*x^96 + g^77*x^80 + g^58*x^72 + g^97*x^68 + g^18*x^66 + g^14*x^65 + g^73*x^48 + g^120*x^40 + g^47*x^36 + g^76*x^34 + g^42*x^33 + g^90*x^24 + g^41*x^20 + g^32*x^18 + g^46*x^17 + g^54*x^12 + g^48*x^10 + g^54*x^9 + g^72*x^6 + g^15*x^5 + g^42*x^3
There are 232 candidate simplex codes
g^40*x^96 + g^102*x^80 + g^116*x^72 + g^8*x^68 + g^45*x^66 + x^65 + g^42*x^48 + x^40 + g^115*x^36 + g^91*x^34 + g^108*x^33 + g^57*x^24 + g^29*x^20 + g^100*x^18 + g^56*x^17 + g^2*x^12 + g^84*x^10 + g^107*x^9 + g^32*x^6 + g^110*x^5 + g^45*x^3
There are 228 candidate simplex codes
g^55*x^96 + g^82*x^80 + g^56*x^72 + g^27*x^68 + g^71*x^66 + g^93*x^65 + g^83*x^48 + g^115*x^40 + g^5*x^36 + g^98*x^34 + g^13*x^33 + g^81*x^24 + g^74*x^20 + g^9*x^18 + x^17 + g^14*x^12 + g^109*x^10 + g^122*x^6 + g^6*x^5 + g^94*x^3
There are 264 candidate simplex codes
g^51*x^96 + g^96*x^80 + g^107*x^72 + g^33*x^68 + g^57*x^66 + g^42*x^65 + g^115*x^48 + g^13*x^40 + g^49*x^36 + g^116*x^34 + g^126*x^33 + g^19*x^24 + g^80*x^20 + g^99*x^18 + g^35*x^17 + g^57*x^12 + g^39*x^10 + g^80*x^9 + g^21*x^6 + g^61*x^5 + g^52*x^3
There are 240 candidate simplex codes
g^22*x^96 + g^56*x^80 + g^49*x^72 + g^32*x^68 + g^38*x^66 + g^19*x^65 + g^16*x^48 + g^99*x^40 + g^33*x^36 + g^93*x^34 + g^55*x^33 + g^5*x^24 + g^83*x^20 + g^56*x^18 + g^69*x^17 + g*x^12 + g^16*x^10 + g^112*x^9 + g^99*x^6 + g^99*x^5 + g^7*x^3
There are 208 candidate simplex codes
g^111*x^96 + g^21*x^80 + g^113*x^72 + g^32*x^68 + g^79*x^66 + g^17*x^65 + g^113*x^48 + g^94*x^40 + g^55*x^36 + g^62*x^34 + g^102*x^33 + g^120*x^24 + g^36*x^20 + g^111*x^18 + g^11*x^17 + g^23*x^12 + g^64*x^10 + g^40*x^9 + g^73*x^6 + g^118*x^5 + g^97*x^3
There are 228 candidate simplex codes
g^90*x^96 + g^48*x^80 + g^104*x^72 + g^45*x^68 + g^119*x^66 + g^109*x^65 + g^86*x^48 + g^55*x^40 + g^45*x^36 + g^105*x^34 + g^14*x^33 + g^96*x^24 + g^57*x^20 + g^75*x^18 + g^35*x^17 + g^14*x^12 + g^100*x^10 + g^126*x^9 + g^98*x^6 + g^65*x^5 + g^88*x^3
There are 208 candidate simplex codes
g^109*x^96 + g^126*x^80 + g^60*x^72 + g^11*x^68 + g^80*x^66 + g^93*x^65 + g^115*x^48 + g^96*x^40 + g^107*x^36 + g^19*x^34 + g^24*x^33 + g^3*x^24 + g^34*x^20 + g^88*x^18 + g^125*x^17 + g^31*x^12 + g^103*x^10 + g^15*x^9 + g^18*x^6 + g^100*x^5 + g^107*x^3
There are 204 candidate simplex codes
g^106*x^96 + g^77*x^80 + g^24*x^72 + g^72*x^68 + g^31*x^66 + g^12*x^65 + g^81*x^48 + g^110*x^40 + g^43*x^36 + g^16*x^34 + g^44*x^33 + g^40*x^24 + g^75*x^20 + g^102*x^18 + g^87*x^17 + g^79*x^12 + g^55*x^10 + g^22*x^9 + g^71*x^6 + g^75*x^5 + g^4*x^3

There are 256 candidate simplex codes
g^104*x^96 + g^117*x^80 + g^79*x^72 + g^65*x^68 + g^75*x^66 + g^117*x^65 + g^119*x^48 + g^103*x^40 + g^80*x^36 + g^117*x^34 + g^9*x^33 + g^117*x^24 + g^32*x^20 + g^34*x^18 + g^72*x^17 + g^17*x^12 + g^117*x^10 + g^120*x^9 + g^49*x^6 + g^51*x^5 + g^67*x^3
There are 228 candidate simplex codes
g^56*x^96 + g^69*x^80 + g^74*x^72 + g^110*x^68 + g^21*x^66 + g^108*x^65 + g^32*x^48 + g^106*x^40 + g^13*x^36 + g^120*x^34 + g^19*x^33 + g^30*x^24 + g^33*x^20 + g^73*x^18 + g^113*x^17 + g^111*x^12 + g^64*x^10 + g^77*x^9 + g^9*x^6 + g^62*x^5 + g^50*x^3
There are 232 candidate simplex codes
g^104*x^96 + g^49*x^80 + g^120*x^72 + g^61*x^68 + g^34*x^66 + g^82*x^65 + g^65*x^48 + g^110*x^40 + g^104*x^36 + g^86*x^34 + g^26*x^33 + g^115*x^24 + g^3*x^20 + g^91*x^18 + g^90*x^17 + g^63*x^12 + g^72*x^10 + g^118*x^9 + g^34*x^6 + g^121*x^5 + g^43*x^3
There are 212 candidate simplex codes
g^107*x^96 + g^51*x^80 + g^112*x^72 + g^123*x^68 + g^91*x^66 + g^36*x^65 + g^2*x^48 + g^27*x^40 + g^65*x^36 + g^55*x^34 + g^112*x^33 + g^31*x^24 + g^108*x^20 + g^25*x^18 + g^89*x^17 + g^35*x^12 + g^99*x^10 + g^42*x^9 + g^102*x^6 + g^101*x^5 + g^89*x^3
There are 232 candidate simplex codes
g^93*x^96 + g^113*x^80 + g^15*x^72 + g^44*x^68 + g^75*x^66 + g^51*x^65 + g^67*x^48 + g^64*x^40 + g^7*x^36 + g^116*x^34 + g^125*x^33 + g^15*x^24 + g^27*x^20 + g^93*x^18 + g^68*x^17 + g^88*x^12 + g^87*x^10 + g^51*x^9 + g^75*x^6 + g^83*x^5 + g^93*x^3
There are 184 candidate simplex codes
g^35*x^96 + g^101*x^80 + g^107*x^72 + g^38*x^68 + g^33*x^66 + g^57*x^65 + g^93*x^48 + g^67*x^40 + g^14*x^36 + g^116*x^34 + g^109*x^33 + g^12*x^24 + g^24*x^20 + g^37*x^18 + g^21*x^17 + g^118*x^12 + g^55*x^10 + g^2*x^9 + g^21*x^6 + g^64*x^5 + g^38*x^3
There are 212 candidate simplex codes
g^9*x^96 + g^125*x^80 + g^62*x^72 + g^70*x^68 + g^95*x^66 + g^90*x^65 + g^119*x^48 + g^44*x^40 + g^88*x^36 + g^88*x^34 + g^27*x^33 + g^71*x^24 + g^81*x^20 + g^30*x^18 + g^19*x^17 + g^72*x^12 + g^63*x^10 + g^31*x^9 + g^51*x^6 + g^21*x^5 + g^49*x^3
There are 220 candidate simplex codes
g^48*x^96 + x^80 + g^15*x^72 + g^56*x^68 + g^13*x^66 + g^91*x^65 + g^84*x^48 + g^40*x^40 + g^4*x^36 + g^109*x^34 + g^62*x^33 + g^39*x^24 + g^112*x^20 + g^44*x^18 + g^97*x^17 + g^114*x^12 + g^25*x^10 + g^58*x^9 + g^55*x^6 + g^88*x^5 + g^91*x^3
There are 188 candidate simplex codes
g^45*x^96 + g^11*x^80 + g^94*x^72 + g^119*x^68 + g^11*x^66 + g^111*x^65 + g^70*x^48 + g^51*x^40 + g^14*x^36 + g^33*x^34 + g^96*x^33 + g^5*x^24 + g^57*x^20 + g^112*x^18 + g^25*x^17 + g^22*x^12 + g^13*x^10 + g^120*x^9 + g^96*x^6 + g^61*x^5 + g^31*x^3
There are 232 candidate simplex codes
g^126*x^96 + g^22*x^80 + g^105*x^72 + g^30*x^68 + g^44*x^66 + g^9*x^65 + g^84*x^48 + g^77*x^40 + g^58*x^36 + g^95*x^34 + g^28*x^33 + g^11*x^24 + g^112*x^20 + g^62*x^18 + g^77*x^17 + g^107*x^12 + g^7*x^10 + g^82*x^9 + g^94*x^6 + g^51*x^5 + g^48*x^3
There are 200 candidate simplex codes
g^106*x^96 + g^124*x^80 + g^71*x^72 + g^64*x^68 + g^53*x^66 + g^115*x^48 + g^86*x^40 + g^34*x^36 + g^125*x^34 + g^124*x^33 + g^7*x^24 + g^57*x^20 + g^72*x^18 + g^11*x^17 + g^8*x^12 + g^11*x^10 + g^32*x^9 + g^47*x^6 + g^74*x^5 + g^116*x^3
There are 268 candidate simplex codes
g^47*x^96 + g^18*x^80 + g^27*x^72 + g^32*x^68 + g^16*x^66 + g^81*x^65 + g^74*x^48 + g^75*x^40 + g^77*x^36 + g^42*x^34 + g^38*x^33 + g^12*x^24 + g^96*x^20 + g^122*x^18 + g^122*x^17 + g^51*x^12 + g^41*x^10 + g^29*x^9 + g^29*x^6 + g^31*x^5 + g^89*x^3
There are 256 candidate simplex codes
g^56*x^96 + g^47*x^80 + g^22*x^72 + g^113*x^68 + g^47*x^66 + g^34*x^65 + g^64*x^48 + g^111*x^40 + g^48*x^36 + g^93*x^34 + g^71*x^33 + g^70*x^24 + g^76*x^20 + g^15*x^18 + g*x^17 + g^114*x^12 + g^92*x^10 + g^18*x^9 + g^16*x^6 + g^88*x^5 + g^33*x^3
There are 200 candidate simplex codes
g^95*x^96 + g^81*x^80 + g^28*x^72 + g^38*x^68 + g^20*x^66 + g^21*x^65 + g^113*x^48 + g*x^40 + g^65*x^36 + g^68*x^34 + g^112*x^24 + g^103*x^20 + g^31*x^18 + g^104*x^17 + g^57*x^12 + g^81*x^10 + g^108*x^9 + g^62*x^6 + g^19*x^5 + g^33*x^3
There are 204 candidate simplex codes
g^84*x^96 + g^79*x^80 + g^27*x^72 + g^33*x^68 + g^73*x^66 + g^96*x^65 + g^27*x^48 + g^46*x^40 + g^78*x^36 + g^126*x^34 + g^84*x^33 + g^41*x^24 + g^104*x^20 + g^41*x^18 + g^26*x^17 + g^30*x^12 + g^121*x^10 + g^33*x^9 + g^123*x^6 + g^88*x^5 + g^75*x^3
There are 204 candidate simplex codes
g^73*x^96 + g^49*x^80 + g^106*x^72 + g^41*x^68 + g^47*x^66 + g^21*x^65 + g^27*x^48 + g^82*x^40 + g^39*x^36 + g^69*x^34 + g^2*x^33 + g^37*x^24 + g^114*x^20 + g^82*x^18 + g^86*x^17 + g^38*x^12 + g^19*x^10 + g^32*x^9 + g^56*x^6 + g^89*x^5 + g^81*x^3
There are 212 candidate simplex codes
g^105*x^96 + g^115*x^80 + g^40*x^72 + g^31*x^66 + g^30*x^65 + g^56*x^48 + g^10*x^40 + g^102*x^36 + g^46*x^34 + g^63*x^33 + g^47*x^24 + g^62*x^20 + g^72*x^18 + g^116*x^17 + g^70*x^12 + g^83*x^10 + g^44*x^9 + g^101*x^6 + g^51*x^5 + g^78*x^3
There are 220 candidate simplex codes
g^93*x^96 + g^110*x^80 + g^68*x^72 + g^52*x^68 + g^61*x^66 + g^106*x^65 + g^45*x^48 + g^50*x^40 + g^28*x^36 + g^10*x^34 + g^23*x^33 + g^54*x^24 + g^93*x^20 + g^104*x^18 + g^59*x^17 + g^89*x^12 + g^81*x^10 + g^54*x^9 + g^112*x^6 + g^54*x^5 + g^87*x^3
There are 228 candidate simplex codes
g^40*x^96 + g^96*x^80 + g^105*x^72 + g^39*x^68 + g^23*x^66 + g^83*x^65 + g^74*x^48 + g^8*x^40 + g^26*x^36 + g^95*x^34 + g^49*x^33 + g^6*x^24 + g*x^20 + g^82*x^18 + g^52*x^17 + g^84*x^12 + g^13*x^10 + g^118*x^9 + g^8*x^5 + g^62*x^3
There are 208 candidate simplex codes
g^24*x^96 + g^25*x^80 + g^66*x^72 + g^26*x^68 + g^52*x^66 + g^88*x^65 + g^88*x^48 + g^16*x^40 + g^20*x^36 + g^11*x^34 + g^60*x^33 + g^81*x^24 + g^30*x^20 + g^38*x^18 + g^89*x^17 + g^77*x^12 + g^87*x^10 + g^97*x^9 + g^113*x^6 + g^115*x^5 + g^120*x^3
There are 248 candidate simplex codes
g^64*x^96 + g^36*x^80 + g^58*x^72 + g^9*x^68 + g^85*x^66 + g^80*x^65 + g^92*x^48 + g^29*x^40 + g^74*x^36 + g^56*x^33 + g^71*x^24 + g^76*x^20 + g^117*x^18 + g^33*x^17 + g^52*x^12 + g^107*x^10 + g^78*x^9 + g^36*x^6 + g^55*x^5 + g^111*x^3
There are 212 candidate simplex codes
g^26*x^96 + g^125*x^80 + g^82*x^72 + g^28*x^68 + g*x^66 + g^98*x^65 + g^63*x^48 + g^2*x^40 + g^97*x^36 + g^87*x^34 + g^74*x^33 + g^13*x^24 + g^89*x^20 + g^81*x^18 + g^89*x^17 + g^90*x^12 + g^24*x^10 + g^9*x^9 + g^79*x^6 + g^7*x^5 + g^30*x^3
There are 244 candidate simplex codes
g^65*x^96 + g^6*x^80 + g^59*x^72 + g^9*x^68 + g^5*x^66 + g^116*x^65 + g^123*x^48 + g^17*x^40 + g^99*x^36 + g^69*x^34 + g^50*x^33 + g^115*x^24 + g^125*x^20 + g^101*x^18 + g^51*x^17 + g^111*x^12 + g^105*x^10 + g^63*x^9 + g^58*x^6 + g^19*x^5 + g^18*x^3
There are 212 candidate simplex codes
g^28*x^96 + g^46*x^80 + g^58*x^72 + g^118*x^68 + g^14*x^66 + g^23*x^65 + g^43*x^48 + g^113*x^40 + g^37*x^36 + g^53*x^34 + g^16*x^33 + g^31*x^24 + g^107*x^20 + g^53*x^18 + g^102*x^17 + g^115*x^12 + g^38*x^10 + g^107*x^9 + g^35*x^6 + g^87*x^5 + g^67*x^3
There are 216 candidate simplex codes
g^49*x^96 + g^101*x^80 + g^105*x^72 + g^28*x^68 + g^109*x^66 + g^126*x^65 + g^89*x^48 + g^8*x^40 + g^18*x^36 + g^15*x^34 + g^12*x^33 + g^49*x^24 + g^63*x^20 + g^37*x^18 + g^97*x^17 + g^16*x^12 + g^62*x^10 + g^60*x^9 + g^112*x^6 + g^95*x^5 + g^70*x^3
There are 228 candidate simplex codes
g^78*x^96 + g^102*x^80 + g^122*x^72 + g^22*x^68 + g^50*x^66 + g^54*x^65 + g^88*x^48 + g^119*x^40 + g^68*x^36 + g^117*x^34 + g^70*x^33 + g^47*x^24 + g^121*x^20 + g^74*x^18 + g^81*x^17 + g^60*x^12 + g^83*x^10 + g^53*x^9 + g^14*x^6 + g^46*x^5 + g^93*x^3
There are 248 candidate simplex codes
g^8*x^96 + g^3*x^80 + g^4*x^72 + g^102*x^68 + g^41*x^66 + g^25*x^65 + g^64*x^48 + g^72*x^40 + g^32*x^36 + g^29*x^34 + x^33 + g^124*x^24 + g^39*x^20 + g^57*x^18 + g^15*x^17 + g^34*x^12 + g^123*x^10 + g^13*x^9 + g^37*x^6 + g^12*x^5 + g^103*x^3
There are 296 candidate simplex codes
g^54*x^96 + g^83*x^80 + g^27*x^72 + g^15*x^68 + g^106*x^66 + g^102*x^65 + g^106*x^48 + g^47*x^40 + g^22*x^36 + g^126*x^34 + g^106*x^33 + g*x^24 + g^92*x^20 + g^4*x^18 + g^107*x^17 + g^5*x^12 + g^93*x^10 + g^55*x^9 + g^123*x^6 + g^114*x^5 + g^104*x^3
There are 204 candidate simplex codes
g^65*x^96 + g^98*x^80 + g^24*x^72 + g^47*x^68 + g^77*x^66 + g^40*x^65 + g^116*x^48 + g^47*x^40 + g^32*x^36 + g^33*x^34 + g^100*x^33 + g^42*x^24 + g^69*x^20 + g^25*x^18 + g^26*x^17 + g^80*x^12 + g^117*x^10 + g^6*x^9 + g^59*x^6 + g^48*x^5 + g^86*x^3
There are 204 candidate simplex codes
g^123*x^96 + g^75*x^80 + g^19*x^72 + g^20*x^68 + g^10*x^65 + g^46*x^48 + g^62*x^40 + g^2*x^36 + g^4*x^34 + g^19*x^33 + g^14*x^24 + g^27*x^20 + g^28*x^18 + g^76*x^17 + g^83*x^12 + g^78*x^10 + g^83*x^9 + g^99*x^6 + g^83*x^5 + g^111*x^3
There are 220 candidate simplex codes
g^52*x^96 + g^88*x^80 + g^25*x^72 + g^12*x^68 + g^74*x^66 + g^14*x^65 + g^96*x^48 + g^37*x^40 + g^54*x^36 + g^43*x^34 + g^4*x^33 + g^84*x^24 + g^14*x^20 + g^117*x^18 + g^52*x^17 + g^19*x^12 + g^45*x^10 + g^101*x^9 + g^124*x^6 + g^78*x^5 + g^13*x^3
There are 244 candidate simplex codes
g^9*x^96 + g^84*x^80 + g^41*x^72 + g^45*x^68 + g^27*x^66 + g^73*x^65 + g^45*x^48 + g^15*x^40 + g^70*x^36 + g^109*x^34 + g^96*x^33 + x^24 + g^36*x^20 + g^59*x^18 + g^15*x^17 + g^95*x^12 + g^49*x^10 + x^9 + g^66*x^6 + g^85*x^5 + g^116*x^3
There are 244 candidate simplex codes
g^115*x^96 + g^40*x^80 + g^55*x^72 + g^63*x^68 + g^79*x^66 + g^123*x^65 + g^41*x^48 + g^54*x^40 + g^35*x^36 + g^108*x^34 + g^21*x^33 + g^69*x^24 + g^26*x^20 + g^15*x^18 + g^56*x^17 + g^110*x^12 + g^67*x^10 + g^113*x^9 + g^99*x^6 + g^7*x^5 + g^30*x^3
There are 232 candidate simplex codes
g^4*x^96 + g^39*x^80 + g^98*x^72 + g^121*x^68 + g^125*x^66 + g^124*x^65 + g^5*x^48 + g^126*x^40 + g^90*x^36 + g^64*x^34 + g^58*x^33 + g^77*x^24 + g^84*x^20 + g^2*x^18 + g^70*x^17 + g^113*x^12 + g^41*x^10 + g^58*x^9 + g^104*x^6 + g^28*x^5 + g^74*x^3
There are 236 candidate simplex codes
g^120*x^96 + g^36*x^80 + g^126*x^72 + g^40*x^68 + g^81*x^66 + g^78*x^65 + g^9*x^48 + g^42*x^40 + g^12*x^36 + g^42*x^34 + g^54*x^33 + g^6*x^24 + g^39*x^20 + g^80*x^18 + g^20*x^17 + g^41*x^12 + g^62*x^10 + g^65*x^9 + g^69*x^6 + g^47*x^5 + g^18*x^3
There are 248 candidate simplex codes
g^49*x^96 + g^124*x^80 + g^13*x^72 + g^25*x^68 + g^7*x^66 + g^121*x^65 + g^112*x^48 + g^65*x^40 + g^50*x^36 + g^3*x^34 + g^89*x^33 + g^94*x^24 + g^57*x^20 + g^73*x^18 + g^77*x^17 + g^11*x^12 + g^43*x^10 + g^26*x^9 + g^4*x^6 + g^84*x^5 + g^37*x^3
There are 232 candidate simplex codes

g^47*x^96 + g^43*x^80 + g^22*x^72 + g^50*x^68 + g^3*x^66 + g^120*x^65 + g^98*x^48 + g^42*x^40 + g^55*x^36 + g^103*x^34 + g^20*x^33 + g^38*x^24 + g^85*x^20 + g^119*x^18 + g^4*x^17 + g^68*x^12 + g
^95*x^10 + g^32*x^9 + g^45*x^6 + g^21*x^5 + g^117*x^3
There are 208 candidate simplex codes
g^94*x^96 + g^98*x^80 + g^108*x^72 + g^3*x^68 + g^87*x^66 + g^80*x^65 + g^120*x^48 + g^23*x^40 + g^95*x^36 + g^66*x^34 + g^50*x^33 + g^86*x^24 + g^107*x^20 + g^83*x^18 + g^63*x^17 + g^20*x^12 + g
^33*x^10 + g^14*x^9 + g^18*x^6 + g^54*x^5 + g^69*x^3
There are 208 candidate simplex codes
g^6*x^96 + g^119*x^80 + g^2*x^72 + g^26*x^68 + g^120*x^66 + g^85*x^65 + g^8*x^48 + g^29*x^40 + g^124*x^36 + g^22*x^34 + g^51*x^33 + g^28*x^24 + g^14*x^20 + g^91*x^18 + g^102*x^17 + g^77*x^12 + g
^60*x^10 + g^15*x^9 + g^32*x^6 + g^17*x^5 + g^60*x^3
There are 224 candidate simplex codes
g^35*x^96 + g^15*x^80 + g^91*x^72 + g^42*x^68 + g^109*x^66 + g^16*x^65 + g^104*x^48 + g^119*x^40 + g^118*x^36 + g^28*x^34 + g^20*x^33 + g^117*x^24 + g^125*x^20 + g^79*x^18 + g^63*x^17 + g^114*x
^12 + g^45*x^10 + g^102*x^9 + g^28*x^6 + g^36*x^5 + g^108*x^3
There are 244 candidate simplex codes
g^100*x^96 + g^15*x^80 + g^44*x^72 + g^73*x^68 + g^102*x^66 + g^90*x^65 + g^70*x^48 + g^66*x^40 + g^112*x^36 + g^118*x^34 + g^34*x^33 + g^2*x^24 + g^69*x^20 + g^116*x^18 + g^7*x^17 + g^118*x^12
+ g^93*x^10 + g^33*x^9 + g^25*x^6 + g^35*x^5 + g^20*x^3
There are 220 candidate simplex codes
g^115*x^96 + g^93*x^80 + g^79*x^72 + x^68 + g^84*x^66 + g^30*x^65 + g^96*x^48 + g^56*x^40 + g^41*x^36 + g^102*x^34 + g^41*x^33 + g^10*x^24 + g^78*x^20 + g^63*x^18 + g^72*x^17 + g^38*x^12 + g^104*
x^10 + g^57*x^9 + g^65*x^6 + g^83*x^5 + g^83*x^3
There are 212 candidate simplex codes
g^109*x^96 + g^48*x^80 + g^43*x^72 + g^123*x^68 + g^67*x^66 + g^10*x^65 + g^107*x^48 + g^43*x^40 + g^34*x^36 + g^109*x^34 + g^54*x^33 + g^53*x^24 + g^62*x^20 + g^36*x^18 + g^114*x^17 + g^29*x^12
+ g^32*x^10 + g^125*x^9 + g^13*x^6 + g^62*x^5 + g^27*x^3
There are 212 candidate simplex codes
g^76*x^96 + g^114*x^80 + g^89*x^72 + g^25*x^68 + g^35*x^66 + g^28*x^65 + g^72*x^48 + g^86*x^40 + g^91*x^36 + g^33*x^34 + g^48*x^33 + g^99*x^24 + g^96*x^20 + g^83*x^18 + g^30*x^17 + g^26*x^12 + g
^44*x^10 + g^110*x^9 + g^82*x^6 + g^44*x^5 + g^101*x^3
There are 220 candidate simplex codes
g^30*x^96 + g^24*x^80 + g^63*x^72 + g^89*x^68 + g^27*x^66 + g^88*x^65 + g^44*x^48 + g^63*x^40 + g^91*x^36 + g^29*x^34 + g^11*x^33 + g^126*x^24 + g^52*x^20 + g^109*x^18 + g^122*x^17 + g^11*x^12 +
g^68*x^10 + g^65*x^9 + g^20*x^6 + g^92*x^5 + g^116*x^3
There are 208 candidate simplex codes
g^90*x^96 + g^117*x^80 + g^12*x^72 + g^63*x^68 + g^34*x^66 + g^65*x^65 + g^27*x^48 + g^26*x^40 + g^86*x^36 + g^33*x^34 + g^61*x^33 + g^92*x^24 + g^63*x^20 + g^21*x^18 + g^94*x^17 + g^28*x^12 + g
^67*x^10 + g^19*x^9 + g^9*x^6 + g^116*x^5 + g^115*x^3
There are 204 candidate simplex codes
g^106*x^96 + g^79*x^80 + g^77*x^72 + g^65*x^68 + g^108*x^66 + g^52*x^65 + g^108*x^48 + g^114*x^40 + g^55*x^36 + g^58*x^34 + g^95*x^33 + g^33*x^20 + g^69*x^18 + g^42*x^17 + g^72*x^12 + g^57*x^10 +
g^81*x^9 + g^113*x^6 + x^5 + g^32*x^3
There are 216 candidate simplex codes
g^116*x^96 + g^105*x^80 + g^16*x^72 + g^126*x^68 + g^39*x^66 + g^89*x^65 + g^114*x^48 + g^54*x^40 + g^91*x^36 + g^29*x^34 + x^33 + g^102*x^24 + g^68*x^20 + g^20*x^18 + g^32*x^17 + g^60*x^12 + g
^124*x^10 + g^125*x^9 + g^84*x^6 + g^46*x^5 + g^89*x^3
There are 208 candidate simplex codes
g^49*x^96 + g^96*x^80 + g^59*x^72 + g^90*x^66 + g^10*x^65 + g^4*x^48 + g^83*x^40 + g^2*x^36 + g^61*x^34 + g^96*x^33 + g^30*x^24 + g^19*x^20 + g^35*x^18 + g^103*x^17 + g^26*x^12 + g^20*x^10 + g*x
^9 + g^95*x^6 + g^121*x^5 + g^17*x^3
There are 228 candidate simplex codes
g^80*x^96 + g^58*x^80 + g^46*x^72 + g^6*x^68 + g^37*x^66 + g^75*x^65 + g^106*x^48 + g^31*x^40 + g^97*x^36 + g^102*x^34 + g^103*x^33 + g^25*x^24 + g^104*x^20 + g^31*x^18 + g^104*x^17 + g^39*x^12 +
g^80*x^10 + g^116*x^9 + g^2*x^6 + g^67*x^5 + g^20*x^3
There are 260 candidate simplex codes
g^92*x^96 + g^57*x^80 + g^30*x^72 + g^24*x^68 + g^73*x^66 + g^91*x^65 + g^53*x^48 + g^100*x^40 + g^34*x^36 + g^50*x^34 + g^54*x^33 + g^33*x^24 + g^103*x^20 + g^72*x^18 + g^17*x^17 + g^65*x^12 + g
^114*x^10 + g*x^9 + g^102*x^6 + g^7*x^5 + g^123*x^3
There are 256 candidate simplex codes
g^28*x^96 + g^92*x^80 + g^10*x^72 + g^43*x^68 + g^35*x^66 + g^29*x^65 + g^57*x^48 + g^46*x^40 + g^3*x^36 + g^45*x^34 + g^103*x^33 + g^47*x^24 + g^71*x^20 + g^39*x^18 + g^16*x^17 + g^35*x^12 + g
^15*x^10 + g^39*x^9 + g^112*x^6 + g^3*x^5 + g^40*x^3
There are 276 candidate simplex codes
g^110*x^96 + g^90*x^80 + g^54*x^72 + g^36*x^68 + g^20*x^66 + g^82*x^65 + g^126*x^48 + g^125*x^40 + g^47*x^36 + g^93*x^34 + g^22*x^33 + g^98*x^24 + g^17*x^20 + g^96*x^18 + g^104*x^17 + g^36*x^12 +
g^15*x^10 + g^69*x^9 + g^87*x^6 + g^25*x^5 + g^80*x^3
There are 204 candidate simplex codes
g^87*x^96 + g^123*x^80 + g^80*x^72 + g^81*x^68 + g^92*x^66 + g^120*x^65 + g^31*x^48 + g^53*x^40 + g^7*x^36 + g^104*x^34 + g^82*x^33 + g^102*x^24 + g^108*x^20 + g^108*x^18 + g^124*x^17 + g^56*x^12
+ g^41*x^10 + g^81*x^9 + g^106*x^6 + g^97*x^5 + g^44*x^3
There are 220 candidate simplex codes
g^82*x^96 + g^108*x^80 + g^95*x^72 + g^102*x^68 + g^109*x^66 + g^14*x^65 + g^73*x^48 + g^44*x^40 + g^100*x^36 + g^5*x^34 + g^94*x^33 + g^119*x^24 + g^24*x^20 + g^19*x^18 + g^103*x^17 + g^22*x^12
+ g^105*x^10 + g^101*x^9 + g^2*x^6 + g^121*x^5 + g^110*x^3
There are 200 candidate simplex codes
g^62*x^96 + g^57*x^80 + g^87*x^72 + g^71*x^68 + g^82*x^66 + g^29*x^65 + g^75*x^48 + g^43*x^40 + g^56*x^36 + g^47*x^34 + g^122*x^33 + g^20*x^24 + g^75*x^20 + g^107*x^18 + g^29*x^17 + g^78*x^12 + g
^121*x^10 + g^55*x^9 + g^122*x^6 + g^47*x^5 + g^68*x^3
There are 220 candidate simplex codes
g^12*x^96 + g^28*x^80 + g^95*x^72 + g^84*x^68 + g^75*x^66 + g^87*x^65 + g^16*x^48 + g^69*x^40 + g^3*x^36 + g^50*x^34 + g^111*x^33 + g^72*x^24 + g^18*x^20 + g^102*x^18 + g^35*x^17 + g^125*x^12 + g
^15*x^10 + g^40*x^9 + g^18*x^6 + g^61*x^5 + g^90*x^3
There are 232 candidate simplex codes
g^39*x^96 + g^108*x^80 + g^2*x^72 + g^79*x^68 + g^3*x^66 + g^82*x^65 + g^4*x^48 + g^103*x^40 + g^29*x^36 + g^84*x^34 + g^2*x^33 + g^17*x^24 + g^45*x^20 + g^69*x^18 + g^115*x^17 + g^75*x^12 + g
^119*x^10 + g^6*x^9 + g^26*x^6 + g^94*x^5 + g^18*x^3
There are 232 candidate simplex codes
g^34*x^96 + g^60*x^80 + g^14*x^72 + g^79*x^68 + g^11*x^66 + g^53*x^65 + g^53*x^48 + g^111*x^40 + g^117*x^36 + g^109*x^34 + g^18*x^33 + g^83*x^24 + g^41*x^20 + g^94*x^18 + g^123*x^17 + g^53*x^12 +
g^22*x^10 + g^63*x^9 + g^61*x^6 + g^13*x^5 + g^112*x^3
There are 240 candidate simplex codes
g^121*x^96 + g^21*x^80 + g^102*x^72 + g^74*x^68 + g^13*x^66 + g^114*x^65 + g^82*x^48 + g^54*x^40 + g^123*x^36 + g^30*x^34 + g^7*x^33 + g^36*x^24 + g^50*x^20 + g^15*x^18 + g^92*x^17 + g^46*x^12 +
g^45*x^10 + g^63*x^9 + g^13*x^6 + g^61*x^5 + g^72*x^3
There are 220 candidate simplex codes
g^111*x^96 + g^86*x^80 + g^63*x^72 + g^115*x^68 + g^47*x^66 + g^123*x^65 + g^123*x^48 + g^8*x^40 + g^33*x^36 + g^73*x^34 + g^4*x^33 + g^111*x^24 + g^84*x^20 + g^56*x^18 + g^70*x^17 + g^115*x^12 +
g^107*x^10 + g^110*x^9 + g^88*x^6 + g^76*x^5 + g^73*x^3
There are 224 candidate simplex codes
g^20*x^96 + g^117*x^80 + g^111*x^68 + g^120*x^66 + g^74*x^65 + g^8*x^48 + g^49*x^40 + g^35*x^36 + g^24*x^34 + g^13*x^33 + g^22*x^24 + g^11*x^20 + g^70*x^18 + g^60*x^17 + g^21*x^12 + g^99*x^10 + g
^118*x^9 + g^96*x^6 + g^51*x^5 + g^31*x^3
There are 268 candidate simplex codes
g^122*x^96 + g^69*x^80 + g^95*x^72 + g^45*x^68 + g^10*x^66 + g^13*x^65 + g^86*x^48 + g^64*x^40 + g^54*x^36 + g^112*x^34 + g^59*x^33 + g^44*x^24 + g^20*x^20 + g^2*x^18 + g^72*x^17 + g^41*x^12 + g
^2*x^10 + g^73*x^9 + g^45*x^6 + g^36*x^5 + g^112*x^3
There are 216 candidate simplex codes
g^38*x^96 + g^10*x^80 + g^30*x^72 + g^40*x^68 + g^96*x^66 + g^18*x^65 + g^13*x^48 + g^98*x^40 + g^51*x^36 + g^107*x^34 + g^69*x^33 + g^34*x^24 + g^87*x^20 + g^27*x^18 + g^40*x^17 + g^75*x^12 + g
^23*x^10 + g^64*x^9 + g^86*x^6 + g^100*x^5 + g^60*x^3
There are 272 candidate simplex codes
g^107*x^96 + g^74*x^80 + g^94*x^72 + g^5*x^68 + x^66 + g^7*x^65 + g^86*x^48 + g^23*x^40 + g^21*x^36 + g^103*x^34 + g^40*x^33 + g^2*x^24 + g^24*x^20 + g^20*x^18 + g^30*x^17 + g^115*x^12 + g^36*x
^10 + g^124*x^9 + g^56*x^6 + g^19*x^5 + g^17*x^3
There are 216 candidate simplex codes
g^101*x^96 + g*x^80 + g^74*x^72 + g^57*x^68 + g^76*x^66 + g^95*x^65 + g^4*x^48 + g^113*x^40 + g^69*x^36 + g^13*x^34 + g^71*x^33 + g^46*x^24 + g^81*x^20 + g^7*x^18 + g^86*x^17 + g^58*x^12 + g^82*x
^10 + g^60*x^9 + g^87*x^6 + g^51*x^5 + g^97*x^3
There are 212 candidate simplex codes
g^7*x^96 + g^48*x^80 + g^89*x^72 + g^123*x^68 + g^119*x^66 + g^71*x^65 + g^22*x^48 + g^38*x^40 + g^58*x^36 + g^117*x^34 + g^2*x^33 + g^52*x^24 + g^5*x^20 + g^45*x^18 + g^83*x^17 + g^94*x^12 + g
^72*x^10 + g^25*x^6 + g^26*x^5 + g^13*x^3
There are 208 candidate simplex codes
g^10*x^96 + x^80 + g^64*x^72 + g^17*x^68 + g^87*x^66 + g^38*x^65 + g^43*x^48 + g^82*x^40 + g^8*x^36 + g^77*x^34 + g^2*x^33 + g^30*x^24 + g^26*x^20 + g^65*x^18 + g^115*x^17 + g^113*x^12 + g^115*x
^10 + g^108*x^9 + g^30*x^6 + g^68*x^5 + g^46*x^3
There are 224 candidate simplex codes
g^106*x^96 + g^52*x^80 + g^82*x^72 + g^59*x^68 + g^72*x^66 + g^124*x^65 + g^4*x^48 + g^7*x^40 + g^8*x^36 + g^68*x^34 + g^110*x^33 + g^13*x^24 + g^38*x^20 + g^11*x^18 + g^100*x^17 + g^73*x^12 + g
^8*x^10 + g^56*x^9 + g^39*x^5 + g^61*x^3
There are 216 candidate simplex codes
g^23*x^96 + g^99*x^80 + g^11*x^72 + g^7*x^68 + g^35*x^66 + g^69*x^65 + g^56*x^48 + g^123*x^40 + g^19*x^36 + g^4*x^34 + g^91*x^33 + g^10*x^24 + g^34*x^20 + g^67*x^18 + g^100*x^17 + g^62*x^12 + g
^49*x^10 + g^47*x^9 + g^66*x^6 + g^30*x^5 + g^106*x^3
There are 216 candidate simplex codes
g*x^96 + g^37*x^80 + g^81*x^72 + g^55*x^68 + g^106*x^66 + g^14*x^65 + g^48*x^48 + g^124*x^40 + g^85*x^36 + g^84*x^34 + g^46*x^33 + g^60*x^24 + g^75*x^20 + g^95*x^18 + g^122*x^17 + g^74*x^12 + g
^86*x^10 + g^106*x^9 + g^84*x^6 + g^20*x^5 + g^110*x^3
There are 216 candidate simplex codes
g^82*x^96 + g^95*x^80 + g^22*x^72 + g^105*x^68 + g^80*x^66 + g^74*x^65 + g^92*x^48 + g^19*x^40 + g^9*x^36 + g^76*x^34 + g^53*x^33 + g^125*x^24 + g^88*x^20 + g^32*x^18 + g^20*x^17 + g^45*x^12 + g
^117*x^10 + g^41*x^9 + g^13*x^6 + g^25*x^5 + g^39*x^3
There are 204 candidate simplex codes

g^123*x^96 + g^75*x^80 + g^40*x^72 + g^110*x^68 + g^80*x^66 + g^29*x^65 + g^27*x^48 + g^46*x^40 + g^76*x^36 + g^15*x^34 + g^116*x^33 + g^120*x^24 + g^43*x^20 + g^124*x^18 + g^57*x^17 + g^124*x^12 + g^81*x^10 + g^106*x^9 + g^23*x^6 + g^112*x^5 + g^4*x^3
There are 220 candidate simplex codes
g^26*x^96 + g^126*x^80 + g^112*x^72 + g^42*x^68 + g^41*x^66 + g^2*x^65 + g^12*x^48 + g^72*x^40 + g^74*x^36 + g^95*x^34 + g^126*x^33 + g^15*x^24 + g^14*x^20 + g^100*x^18 + g^13*x^17 + g^8*x^12 + g^125*x^10 + g^94*x^9 + g^107*x^6 + g^63*x^5 + g^21*x^3
There are 204 candidate simplex codes
g^49*x^96 + g^45*x^80 + g^9*x^72 + g^117*x^68 + g^83*x^66 + g^37*x^65 + g^88*x^48 + g^35*x^40 + g^96*x^36 + g^57*x^34 + g^108*x^33 + g^20*x^24 + g^10*x^20 + g^60*x^18 + g^106*x^17 + g^54*x^12 + g^69*x^9 + g^64*x^6 + g^36*x^5 + g^113*x^3
There are 212 candidate simplex codes
g^54*x^96 + g^59*x^80 + g^56*x^72 + g^51*x^68 + g^10*x^66 + g^54*x^65 + g^21*x^48 + g^73*x^40 + g^115*x^36 + g^34*x^34 + g^112*x^33 + g^50*x^24 + g^67*x^20 + g^101*x^18 + g^27*x^17 + g^6*x^12 + g^51*x^10 + g^110*x^9 + g^49*x^6 + g^42*x^5 + g^17*x^3
There are 220 candidate simplex codes
g^11*x^96 + g^71*x^80 + g^116*x^72 + g^85*x^68 + g^43*x^66 + g^114*x^65 + g^123*x^48 + g^66*x^40 + g^98*x^36 + g^45*x^34 + g^40*x^33 + g^41*x^24 + g^22*x^20 + g^62*x^18 + g^50*x^17 + g^14*x^12 + g^36*x^10 + g^35*x^9 + g^45*x^6 + g^97*x^5 + g^76*x^3
There are 216 candidate simplex codes
g^56*x^96 + g^38*x^80 + g^31*x^72 + g^26*x^68 + g^64*x^66 + g^27*x^65 + g^94*x^48 + g^28*x^40 + g^62*x^36 + g^97*x^34 + g^92*x^33 + g^73*x^24 + g^38*x^20 + g^67*x^18 + g^121*x^17 + g^9*x^12 + g^123*x^10 + g^98*x^9 + g^83*x^6 + g^70*x^5 + g^31*x^3
There are 248 candidate simplex codes
g^50*x^96 + g^72*x^80 + g^23*x^72 + g^14*x^68 + g^125*x^66 + g^91*x^65 + x^48 + g^50*x^40 + g^96*x^36 + g^79*x^34 + g^99*x^33 + g^6*x^24 + g^73*x^20 + g^111*x^18 + g^52*x^17 + g^103*x^12 + g^35*x^10 + g^7*x^9 + g^122*x^6 + g^24*x^5 + g^62*x^3
There are 252 candidate simplex codes
g^5*x^96 + g^73*x^80 + g^29*x^72 + g^118*x^68 + g^68*x^66 + g^43*x^65 + g^21*x^48 + g^29*x^40 + g^48*x^36 + g^107*x^33 + g^26*x^24 + g^70*x^20 + g^118*x^18 + g^33*x^17 + g^71*x^12 + g^55*x^10 + g^82*x^9 + g^91*x^6 + g^47*x^5 + g^25*x^3
There are 240 candidate simplex codes
g^88*x^96 + g^61*x^80 + g^15*x^72 + g^80*x^68 + g^126*x^66 + g^34*x^65 + g^107*x^48 + g^76*x^40 + g^91*x^36 + g^100*x^34 + g^59*x^33 + g^43*x^24 + g^35*x^20 + g^30*x^18 + g^62*x^17 + g^82*x^12 + g^86*x^10 + g^113*x^9 + g^52*x^6 + g^14*x^5 + g^92*x^3
There are 260 candidate simplex codes
g^5*x^96 + g^8*x^80 + g^107*x^72 + g^98*x^68 + g^47*x^66 + g^6*x^65 + g^67*x^48 + g^16*x^40 + g^5*x^36 + g^83*x^34 + g^32*x^33 + g^88*x^24 + g^105*x^20 + g^115*x^18 + g^5*x^17 + g*x^12 + g^115*x^10 + g^8*x^9 + g^71*x^6 + g^42*x^5 + g^22*x^3
There are 236 candidate simplex codes
g^73*x^96 + g^87*x^80 + g^23*x^72 + g^101*x^68 + g^110*x^66 + g^78*x^65 + g^91*x^48 + g^34*x^40 + g^107*x^36 + g*x^34 + g^86*x^33 + g^113*x^24 + g^10*x^20 + g^111*x^18 + g^29*x^17 + g^118*x^12 + g^53*x^10 + g^30*x^9 + g^106*x^6 + g^76*x^5 + g^34*x^3
There are 252 candidate simplex codes
g^87*x^96 + g^104*x^80 + g^109*x^72 + g^78*x^68 + g^3*x^66 + g^51*x^65 + g^13*x^48 + g^66*x^40 + g^74*x^36 + g^107*x^34 + g^106*x^33 + g^23*x^24 + g^79*x^20 + g^100*x^18 + g^111*x^17 + g^98*x^12 + g^81*x^10 + g^63*x^9 + g^41*x^6 + g^80*x^5 + g^76*x^3
There are 236 candidate simplex codes
g^21*x^96 + g^78*x^80 + g^69*x^72 + g^71*x^68 + g^118*x^66 + g^44*x^65 + g^8*x^48 + g^18*x^40 + g^16*x^36 + g^5*x^34 + g^77*x^33 + g^48*x^24 + g^2*x^20 + g^11*x^18 + g^87*x^17 + g^109*x^12 + g^77*x^10 + g^125*x^9 + g*x^6 + g^78*x^5 + g^118*x^3
There are 224 candidate simplex codes
g^81*x^96 + g^87*x^80 + g^120*x^72 + g^32*x^68 + g^108*x^66 + g^105*x^65 + g^54*x^48 + g^94*x^40 + g^101*x^36 + g^28*x^34 + g^123*x^33 + g^16*x^24 + g^122*x^20 + g^117*x^18 + g^88*x^17 + g^58*x^12 + g^96*x^10 + g^121*x^9 + g^71*x^6 + g^118*x^5 + g^102*x^3
There are 208 candidate simplex codes
g^40*x^96 + g^120*x^80 + g^125*x^72 + g^84*x^68 + g^122*x^66 + g^22*x^65 + g^88*x^48 + g^2*x^40 + g*x^36 + g^105*x^34 + g^84*x^33 + g^103*x^24 + g^97*x^20 + g^93*x^18 + g^106*x^17 + g^40*x^12 + g^96*x^10 + g^85*x^9 + g^38*x^6 + g^126*x^5 + g^72*x^3
There are 216 candidate simplex codes
g^114*x^96 + g^3*x^80 + g^52*x^72 + g^115*x^68 + g^122*x^66 + g^125*x^65 + g^101*x^48 + g^30*x^40 + g^99*x^36 + g*x^34 + g^107*x^33 + g^15*x^24 + g^102*x^20 + g^50*x^18 + g^88*x^17 + g^48*x^12 + x^10 + g^94*x^9 + g^108*x^6 + g^80*x^5 + g^116*x^3
There are 220 candidate simplex codes
g^63*x^96 + g^79*x^80 + g^40*x^72 + g^38*x^68 + g^28*x^66 + g^122*x^65 + g^35*x^48 + g^47*x^40 + g^92*x^36 + g^4*x^34 + g^115*x^33 + g^95*x^24 + g^61*x^20 + g^88*x^18 + g^84*x^17 + g^53*x^12 + g^84*x^10 + g^22*x^9 + g^64*x^6 + g^60*x^5 + g^66*x^3
There are 232 candidate simplex codes
g^112*x^96 + g^61*x^80 + g^10*x^72 + g^66*x^68 + g^3*x^66 + g^97*x^65 + g^25*x^48 + g^13*x^40 + g^11*x^36 + g^23*x^34 + g^108*x^33 + g^72*x^24 + g^105*x^20 + g^109*x^18 + g^105*x^17 + g^79*x^12 + g^18*x^10 + g^71*x^9 + g^33*x^6 + g^49*x^5 + g^25*x^3
There are 240 candidate simplex codes
g^125*x^96 + g^40*x^80 + g^56*x^72 + g^122*x^68 + g^83*x^66 + g^31*x^65 + g^18*x^48 + g^98*x^40 + g^98*x^36 + g^66*x^34 + g^124*x^33 + g^75*x^24 + g^16*x^20 + g*x^18 + g^22*x^17 + g^106*x^12 + g^28*x^10 + g^50*x^9 + g^25*x^6 + g^36*x^5 + g^126*x^3
There are 268 candidate simplex codes
g^17*x^96 + g^8*x^80 + g^88*x^72 + g*x^68 + g^69*x^66 + g^107*x^65 + g^4*x^48 + g^61*x^40 + g*x^36 + g^4*x^34 + g^101*x^33 + g^118*x^24 + g^55*x^20 + g^20*x^18 + g^7*x^17 + g^50*x^12 + g^105*x^10 + g^31*x^9 + g^70*x^6 + g^68*x^5 + g^104*x^3
There are 216 candidate simplex codes
g^27*x^96 + g^47*x^80 + g^105*x^72 + g^88*x^68 + g^14*x^66 + g^94*x^65 + g^2*x^48 + g^49*x^40 + g^45*x^36 + g^9*x^34 + g^20*x^33 + g^113*x^24 + g^124*x^20 + g^97*x^18 + g^80*x^17 + g^124*x^12 + g^122*x^10 + g^30*x^9 + g^59*x^6 + g^52*x^5 + g^116*x^3
There are 216 candidate simplex codes
g^80*x^96 + g^93*x^80 + g^70*x^72 + g^63*x^66 + g^59*x^65 + g^3*x^48 + g^45*x^40 + g^53*x^36 + g^105*x^34 + g^66*x^33 + g^48*x^24 + g^39*x^20 + g^33*x^18 + g^100*x^17 + g^120*x^12 + g^78*x^10 + g^66*x^9 + g^21*x^6 + g^3*x^5 + g^77*x^3
There are 188 candidate simplex codes
g^97*x^96 + g^5*x^80 + g^51*x^72 + g^86*x^68 + g^104*x^66 + g^5*x^65 + g^31*x^48 + g^96*x^40 + g^80*x^36 + g^45*x^34 + g^20*x^33 + g^16*x^24 + g*x^20 + g^55*x^18 + g^31*x^17 + g^118*x^12 + g^44*x^10 + g^83*x^9 + g^33*x^6 + g^30*x^5 + g^86*x^3
There are 204 candidate simplex codes
g^78*x^96 + g^62*x^80 + g^113*x^72 + g^110*x^68 + g^72*x^66 + g^85*x^65 + g^101*x^48 + g^116*x^40 + g^110*x^36 + g^103*x^34 + g^51*x^33 + g^51*x^24 + g^3*x^20 + g^22*x^18 + g^113*x^17 + g^100*x^12 + g^46*x^10 + g^120*x^9 + g^13*x^6 + g^112*x^5 + g^10*x^3
There are 220 candidate simplex codes
g^33*x^96 + g^50*x^80 + g^6*x^72 + g^73*x^68 + g^63*x^66 + g^27*x^65 + g^59*x^48 + g^75*x^40 + g^19*x^36 + g^101*x^34 + g^120*x^33 + g^94*x^24 + g^102*x^20 + g^48*x^18 + g^93*x^17 + g^4*x^12 + g^27*x^10 + g^60*x^9 + g^85*x^6 + g^126*x^5 + g^121*x^3
There are 216 candidate simplex codes
g^119*x^96 + g^76*x^80 + g^30*x^72 + g^114*x^68 + g^110*x^66 + g^46*x^65 + g^37*x^48 + g^29*x^40 + g^4*x^36 + g^98*x^34 + g^64*x^33 + g^69*x^24 + g^61*x^20 + g^76*x^18 + g^17*x^17 + g^112*x^12 + g^61*x^10 + g^28*x^9 + g^72*x^6 + g^63*x^5 + g^70*x^3
There are 212 candidate simplex codes
g^119*x^96 + g^102*x^80 + g^29*x^72 + g^26*x^68 + g^44*x^66 + g^24*x^65 + g^117*x^48 + g^70*x^40 + g^50*x^36 + g^98*x^34 + g^92*x^33 + g^87*x^24 + g^27*x^20 + g^92*x^18 + g^104*x^17 + g^66*x^12 + g^92*x^10 + g^49*x^9 + g^52*x^6 + g^94*x^5 + g^59*x^3
There are 216 candidate simplex codes
g^5*x^96 + g^68*x^80 + g^30*x^72 + g^102*x^68 + g^103*x^66 + g^52*x^65 + g^25*x^48 + g^91*x^40 + g^34*x^36 + g^85*x^34 + g^91*x^33 + g^41*x^24 + g^37*x^20 + g^95*x^18 + g^4*x^17 + g^38*x^12 + g^115*x^10 + g^8*x^9 + g^31*x^6 + g^74*x^5 + g^113*x^3
There are 228 candidate simplex codes
g^38*x^96 + g^108*x^80 + g^28*x^72 + g^3*x^68 + g^112*x^66 + g^56*x^65 + g^59*x^48 + g^80*x^40 + g^58*x^36 + g^107*x^34 + g^47*x^33 + g^52*x^24 + g^48*x^18 + g^126*x^18 + g^56*x^17 + g^4*x^12 + g^119*x^10 + g^51*x^9 + g^2*x^6 + g^106*x^5 + g^44*x^3
There are 196 candidate simplex codes
g^79*x^96 + g^18*x^80 + g^107*x^72 + g^15*x^68 + g^26*x^66 + g*x^65 + g^114*x^48 + g^39*x^40 + g^32*x^36 + g^33*x^34 + g^48*x^33 + g^42*x^24 + g^98*x^20 + g^52*x^18 + g^91*x^17 + g^107*x^12 + g^47*x^10 + g^70*x^9 + g^4*x^6 + g^52*x^5 + g^118*x^3
There are 224 candidate simplex codes
g^125*x^96 + g^123*x^80 + g^24*x^72 + g^2*x^68 + g^118*x^66 + g^2*x^65 + g^31*x^48 + g^3*x^40 + g^8*x^36 + g^33*x^34 + g^58*x^33 + g^23*x^24 + g^89*x^20 + g^33*x^18 + g^10*x^17 + g^22*x^12 + g^8*x^10 + g^78*x^9 + g^30*x^6 + g^100*x^5 + g^70*x^3
There are 228 candidate simplex codes
g^4*x^96 + g^77*x^80 + g^125*x^72 + g^86*x^68 + g^7*x^66 + g^42*x^65 + g^29*x^48 + g^25*x^40 + g^126*x^36 + g^51*x^34 + g^77*x^33 + g^22*x^24 + x^20 + g^93*x^18 + x^17 + g^45*x^12 + g^68*x^10 + g^24*x^9 + g^99*x^6 + g^65*x^5 + g^71*x^3
There are 204 candidate simplex codes
g^67*x^96 + g^50*x^80 + g^105*x^72 + g^60*x^68 + g^95*x^66 + g^4*x^65 + g^77*x^48 + g^67*x^40 + g^53*x^36 + g^90*x^34 + g^13*x^33 + g^36*x^24 + g^16*x^20 + g^47*x^18 + g^29*x^17 + g^27*x^12 + g^49*x^10 + g^6*x^9 + g^45*x^6 + g^60*x^5 + g^24*x^3
There are 224 candidate simplex codes
g^15*x^96 + g^74*x^80 + g^99*x^72 + g^104*x^68 + g^87*x^66 + g^61*x^65 + g^36*x^48 + g^6*x^40 + g^121*x^36 + g^114*x^34 + g^102*x^33 + g^48*x^24 + g^46*x^20 + g^64*x^18 + g^33*x^17 + g^91*x^12 + g^75*x^10 + g^21*x^9 + g^82*x^6 + g^121*x^5 + g^6*x^3
There are 192 candidate simplex codes
g^71*x^96 + g*x^80 + g^87*x^72 + g^26*x^68 + g^110*x^66 + g^9*x^65 + g^17*x^48 + g^125*x^40 + g*x^36 + g^72*x^34 + g^87*x^33 + g^76*x^24 + g^37*x^20 + g^33*x^18 + g^111*x^17 + g^126*x^12 + g^109*x^10 + g^68*x^9 + g^41*x^6 + g^10*x^5 + g^26*x^3
There are 208 candidate simplex codes
g^31*x^96 + g^22*x^80 + x^72 + g^64*x^68 + g^41*x^66 + g^39*x^65 + g^37*x^48 + g^89*x^40 + g^111*x^36 + g^116*x^34 + g^123*x^33 + g^33*x^24 + g^79*x^20 + g^101*x^18 + g^40*x^17 + g^32*x^12 + g^64*x^10 + g^17*x^9 + g^11*x^6 + g^24*x^5 + g^5*x^3
There are 248 candidate simplex codes

g^124*x^96 + g^61*x^80 + g^61*x^72 + g^41*x^68 + g^78*x^66 + g^5*x^65 + g^124*x^48 + g^98*x^40 + g^29*x^36 + g^121*x^34 + g^26*x^33 + g^54*x^24 + x^20 + g^45*x^18 + g^31*x^17 + g^55*x^12 + g^84*x^10 + g^108*x^9 + g^108*x^6 + g^54*x^5 + g^126*x^3
There are 208 candidate simplex codes
g^111*x^96 + g^56*x^80 + g^25*x^72 + g^113*x^68 + g^35*x^66 + g^113*x^65 + g^41*x^48 + g^79*x^40 + g^101*x^36 + g^68*x^34 + g^72*x^33 + g^101*x^24 + g^99*x^20 + g^45*x^18 + g^115*x^17 + g^23*x^12 + g^77*x^10 + g^116*x^9 + g^93*x^6 + g^97*x^5 + g^86*x^3
There are 224 candidate simplex codes
g^107*x^96 + g^80*x^80 + g^84*x^72 + g^71*x^68 + g^63*x^66 + g^8*x^65 + g^78*x^48 + g^16*x^40 + g^24*x^36 + g^126*x^34 + g^66*x^33 + g^108*x^24 + g^21*x^18 + g^97*x^17 + x^12 + g^17*x^10 + g^91*x^9 + g^30*x^6 + g^121*x^5 + g^88*x^3
There are 216 candidate simplex codes
g^95*x^96 + g^14*x^80 + g^13*x^72 + g^111*x^68 + g^76*x^66 + g^18*x^65 + g^89*x^48 + g^122*x^40 + g^119*x^36 + g^91*x^34 + g^99*x^33 + g^55*x^24 + g^26*x^20 + g^85*x^18 + g^114*x^17 + g^65*x^12 + g^105*x^10 + g^77*x^9 + g^23*x^6 + g^123*x^5 + g^56*x^3
There are 228 candidate simplex codes
g^100*x^96 + g^32*x^80 + g^85*x^72 + g^63*x^68 + g^77*x^66 + g^34*x^65 + g^45*x^48 + g^82*x^40 + g^99*x^36 + g^120*x^34 + g^18*x^33 + g^101*x^24 + g^123*x^20 + g^70*x^18 + g^104*x^17 + g^87*x^12 + g^84*x^10 + g^11*x^9 + g^78*x^6 + g^49*x^5 + g^43*x^3
There are 212 candidate simplex codes
g^97*x^96 + g^38*x^80 + g^62*x^72 + g^63*x^68 + g^20*x^66 + g^120*x^65 + g^28*x^48 + g^47*x^40 + g^48*x^36 + g^75*x^34 + g^12*x^33 + g^49*x^24 + g^8*x^20 + g^54*x^18 + g^28*x^17 + g^63*x^12 + g*x^10 + g^71*x^9 + g^114*x^6 + g^83*x^5 + g^97*x^3
There are 212 candidate simplex codes
g^112*x^96 + g^36*x^80 + g^75*x^72 + g^41*x^68 + g^31*x^66 + g^23*x^65 + g^120*x^48 + g^32*x^40 + g^64*x^36 + g^56*x^34 + g^118*x^33 + g^47*x^24 + g^78*x^20 + g^72*x^18 + g^4*x^17 + g^115*x^12 + g^107*x^10 + g^38*x^9 + g^84*x^6 + g^40*x^5 + g^74*x^3
There are 224 candidate simplex codes
g^46*x^96 + g^31*x^80 + g^115*x^72 + g^97*x^68 + g^49*x^66 + g^2*x^65 + g^35*x^48 + g^61*x^40 + g^4*x^36 + g^96*x^34 + g^93*x^33 + g^122*x^24 + g^25*x^20 + g^95*x^18 + g^48*x^17 + g^46*x^12 + g^121*x^10 + g^39*x^9 + g^32*x^6 + g^50*x^5 + g^14*x^3
There are 224 candidate simplex codes
g^19*x^96 + g^12*x^80 + g^39*x^72 + g^100*x^68 + g^39*x^66 + g^2*x^65 + g^86*x^48 + g^21*x^40 + g^51*x^36 + g^70*x^34 + g^49*x^33 + g^124*x^24 + g^98*x^20 + g^84*x^18 + g^59*x^17 + g^98*x^12 + g^88*x^10 + g^43*x^9 + g^31*x^6 + g^109*x^5 + g^120*x^3
There are 212 candidate simplex codes
g^20*x^96 + g^87*x^80 + g^89*x^72 + g^3*x^68 + g^34*x^66 + g^81*x^65 + g^17*x^48 + g^115*x^40 + g^78*x^36 + g^6*x^34 + g^50*x^33 + g^48*x^24 + g^44*x^20 + g^52*x^18 + g^33*x^17 + g^88*x^12 + g^40*x^10 + g^82*x^9 + g^64*x^6 + g^91*x^5 + g^104*x^3
There are 252 candidate simplex codes
g^19*x^96 + g^18*x^80 + g^65*x^72 + g^47*x^68 + g^91*x^66 + g^60*x^65 + g^88*x^48 + g^96*x^40 + g^70*x^36 + g^29*x^34 + g^88*x^33 + g^56*x^24 + g^42*x^20 + g^88*x^18 + g^125*x^17 + g^122*x^12 + g^13*x^10 + g^102*x^9 + g^41*x^6 + g^28*x^5 + g^57*x^3
There are 208 candidate simplex codes
g^3*x^96 + g^71*x^80 + g^17*x^72 + g^114*x^68 + g^48*x^66 + g^9*x^65 + g^17*x^48 + g^57*x^40 + g^32*x^36 + g^106*x^34 + g^70*x^33 + g^28*x^24 + g^26*x^20 + g^106*x^18 + g^58*x^17 + g^32*x^12 + g^94*x^10 + g^35*x^9 + g^15*x^6 + g^66*x^5 + g^94*x^3
There are 252 candidate simplex codes
g^17*x^96 + g^52*x^80 + g^5*x^72 + g^78*x^68 + g^84*x^66 + g^71*x^65 + g^83*x^48 + g^45*x^40 + g^47*x^36 + g^95*x^34 + x^33 + g^78*x^24 + g^7*x^20 + g^39*x^18 + g^109*x^17 + g^80*x^12 + g^62*x^10 + g^5*x^9 + g^50*x^6 + g^50*x^5 + g^30*x^3
There are 232 candidate simplex codes
g^49*x^96 + g^21*x^80 + g^103*x^72 + g^73*x^68 + g^76*x^66 + g^11*x^65 + g^70*x^48 + g^73*x^40 + g*x^36 + g^62*x^34 + g^8*x^33 + g^3*x^24 + g^65*x^20 + g^50*x^18 + g^90*x^17 + g^102*x^12 + g^102*x^10 + g^28*x^9 + g^23*x^6 + g^78*x^5 + g^26*x^3
There are 216 candidate simplex codes
g^11*x^96 + g^63*x^80 + g^118*x^72 + g^97*x^68 + g^26*x^66 + g^79*x^65 + g^78*x^48 + g^92*x^40 + x^36 + g^99*x^34 + g^77*x^33 + g^86*x^24 + g^41*x^20 + g^4*x^18 + g^24*x^17 + g^77*x^12 + g^51*x^10 + g^106*x^9 + g^119*x^6 + g^98*x^5 + g^52*x^3
There are 260 candidate simplex codes
g^2*x^96 + g^92*x^80 + g^115*x^72 + g^105*x^68 + g^35*x^66 + g^51*x^65 + g^93*x^48 + g^25*x^40 + g^116*x^36 + g^120*x^34 + g^106*x^33 + g^91*x^24 + g^25*x^20 + g^24*x^18 + g^113*x^17 + g^13*x^12 + g^121*x^10 + g^30*x^9 + g^24*x^6 + g^38*x^5 + g^102*x^3
There are 228 candidate simplex codes
g^79*x^96 + g^73*x^80 + g^109*x^72 + g^62*x^68 + g^91*x^66 + g^106*x^65 + g^52*x^48 + g^42*x^40 + g^8*x^36 + g^125*x^34 + g^38*x^33 + g^40*x^24 + g^53*x^20 + g^91*x^18 + g^5*x^17 + g^48*x^12 + g^30*x^10 + g^43*x^9 + g^111*x^6 + g^112*x^5 + g^38*x^3
There are 220 candidate simplex codes
g^54*x^96 + g^71*x^80 + g^42*x^72 + g^29*x^68 + g^43*x^66 + g^116*x^65 + g^65*x^48 + g^78*x^40 + g^50*x^36 + g^73*x^34 + g^6*x^33 + g^78*x^24 + g^56*x^20 + g^30*x^18 + g^75*x^17 + g^119*x^12 + g^98*x^10 + g^2*x^9 + g^114*x^6 + g^119*x^5 + g^28*x^3
There are 244 candidate simplex codes
g^126*x^96 + g^29*x^80 + g^75*x^72 + g^95*x^68 + g^26*x^66 + g^70*x^65 + g^75*x^48 + g^123*x^40 + g^92*x^36 + g^94*x^34 + g^121*x^33 + g^122*x^24 + g^2*x^20 + g^114*x^18 + g^122*x^17 + g^62*x^12 + g^17*x^10 + g^111*x^9 + g^16*x^6 + g^50*x^5 + g^92*x^3
There are 208 candidate simplex codes
g^48*x^96 + g^58*x^80 + g^109*x^72 + g^18*x^68 + g^9*x^66 + g^28*x^65 + g^5*x^48 + g^82*x^40 + g^59*x^36 + g^53*x^34 + x^33 + g^89*x^24 + g^97*x^20 + g^37*x^18 + g^30*x^17 + g^37*x^12 + g^81*x^10 + g^13*x^9 + g^61*x^6 + g^47*x^5 + g^107*x^3
There are 248 candidate simplex codes
g^82*x^96 + g^57*x^80 + g^99*x^72 + g^42*x^68 + g^70*x^66 + g^40*x^65 + g^94*x^48 + g^85*x^40 + g^64*x^36 + g^45*x^34 + g^80*x^33 + g^3*x^24 + g^80*x^20 + g^2*x^18 + g^110*x^17 + g^36*x^12 + g^10*x^10 + g^21*x^9 + g^17*x^6 + g^37*x^5 + g^123*x^3
There are 220 candidate simplex codes
g^94*x^96 + g^86*x^80 + g^59*x^72 + g^104*x^68 + g^24*x^66 + g^24*x^65 + g^124*x^48 + g^116*x^40 + g^71*x^36 + g^73*x^34 + g^21*x^33 + g^10*x^24 + g^24*x^20 + g^94*x^18 + g^14*x^17 + g*x^12 + g^107*x^10 + g^71*x^9 + g^45*x^6 + g^33*x^5 + g^63*x^3
There are 212 candidate simplex codes
g^120*x^96 + g^53*x^80 + g^10*x^72 + g^29*x^68 + g^79*x^66 + g^28*x^65 + g^78*x^48 + g^108*x^40 + g^61*x^36 + g^110*x^34 + g^101*x^33 + g^25*x^24 + g^126*x^20 + g^50*x^18 + g^38*x^17 + g^27*x^12 + g^126*x^10 + g^73*x^9 + g^94*x^6 + g^19*x^5 + g^48*x^3
There are 264 candidate simplex codes
g^6*x^96 + g^35*x^80 + g^61*x^72 + g^82*x^68 + g^126*x^66 + g^5*x^65 + g^80*x^48 + g^38*x^40 + g^97*x^36 + g^57*x^34 + g^112*x^33 + g^16*x^24 + g^97*x^20 + g^54*x^18 + g^63*x^17 + g^100*x^12 + g^82*x^10 + g^58*x^9 + g^34*x^6 + g^37*x^5 + g^86*x^3
There are 200 candidate simplex codes
g^5*x^96 + g^40*x^80 + g^23*x^72 + g^41*x^68 + g^80*x^66 + g*x^65 + g^9*x^48 + g^69*x^40 + g^23*x^36 + g^111*x^34 + g^60*x^33 + g^62*x^24 + g^38*x^20 + g^6*x^18 + g^84*x^17 + g^18*x^12 + g^82*x^10 + g^76*x^9 + g^23*x^6 + g^39*x^5 + g^106*x^3
There are 260 candidate simplex codes
g^33*x^96 + g^66*x^80 + g^100*x^72 + g^84*x^68 + g^96*x^66 + g^10*x^65 + g^64*x^48 + g^3*x^40 + g^99*x^36 + g^24*x^34 + x^33 + g^49*x^24 + g^93*x^20 + g^71*x^18 + g^92*x^17 + g^19*x^12 + g^113*x^10 + g^62*x^9 + g^107*x^6 + g^59*x^5 + g^30*x^3
There are 240 candidate simplex codes
g^55*x^96 + g^69*x^80 + g^16*x^72 + x^68 + g^76*x^66 + g^14*x^65 + g^5*x^48 + g^10*x^40 + g^11*x^36 + g^119*x^34 + g^61*x^33 + g^55*x^24 + g^18*x^20 + g^119*x^18 + g^14*x^17 + g^12*x^12 + g^16*x^10 + g^61*x^9 + g^7*x^6 + g^12*x^5 + g^79*x^3
There are 220 candidate simplex codes
g^60*x^96 + g^112*x^80 + g^115*x^72 + g^90*x^68 + g^5*x^66 + g^21*x^65 + g^96*x^48 + g^36*x^40 + g^83*x^36 + g^94*x^34 + g^53*x^33 + g^29*x^24 + g^40*x^20 + g^99*x^18 + g^76*x^17 + g^77*x^12 + g^16*x^10 + g^34*x^9 + g^3*x^6 + g^44*x^5 + g^120*x^3
There are 212 candidate simplex codes
g^32*x^96 + g^61*x^80 + g^92*x^72 + g^5*x^68 + g^60*x^65 + g^100*x^48 + g^88*x^40 + g^76*x^36 + g^88*x^34 + g^10*x^33 + g^49*x^24 + g^63*x^20 + g^27*x^18 + g^50*x^17 + g^119*x^12 + g^105*x^10 + g^94*x^6 + g^69*x^5 + g^69*x^3
There are 212 candidate simplex codes
g^100*x^96 + g^30*x^80 + g^41*x^72 + g^107*x^68 + g^75*x^66 + g^109*x^65 + g^2*x^48 + g^19*x^40 + g^8*x^36 + g^86*x^34 + g^24*x^33 + g^108*x^24 + g^119*x^20 + g^6*x^18 + g^90*x^17 + g^28*x^12 + g^15*x^10 + g^100*x^9 + g^67*x^6 + g^113*x^5 + g^90*x^3
There are 248 candidate simplex codes
g^39*x^96 + g^79*x^80 + g^115*x^72 + g^66*x^68 + g^55*x^66 + g^20*x^65 + g^70*x^48 + g^73*x^40 + g^13*x^36 + g^91*x^34 + g^26*x^33 + g^69*x^24 + g^106*x^20 + g^104*x^18 + g^41*x^17 + g^70*x^12 + g^14*x^10 + g^125*x^9 + g^69*x^6 + g^11*x^5 + g^105*x^3
There are 204 candidate simplex codes
g^19*x^96 + g^44*x^80 + g^80*x^72 + g^89*x^68 + g^61*x^66 + g^70*x^65 + g^88*x^48 + g^69*x^40 + g^70*x^36 + g^114*x^34 + g^75*x^33 + g^39*x^24 + g^89*x^20 + g^75*x^18 + g^83*x^17 + g^99*x^12 + g^66*x^10 + g^66*x^9 + g^107*x^6 + g^65*x^5 + g^5*x^3
There are 224 candidate simplex codes
g^55*x^96 + g^114*x^80 + x^72 + g^125*x^68 + g^74*x^66 + g^31*x^65 + g^94*x^48 + g^97*x^40 + g^90*x^36 + g^112*x^34 + g^5*x^33 + g^72*x^24 + g^98*x^20 + g^58*x^18 + g^69*x^17 + g^101*x^12 + g^48*x^10 + g^44*x^9 + g^70*x^6 + g^35*x^5 + x^3
There are 208 candidate simplex codes
g^29*x^96 + g^115*x^80 + g^10*x^72 + g^26*x^68 + g^29*x^66 + g^51*x^65 + g^87*x^48 + g^75*x^40 + g^125*x^36 + g^82*x^34 + g^10*x^33 + g^73*x^24 + g^43*x^20 + g^85*x^18 + g^27*x^17 + g^30*x^12 + g^104*x^10 + g^88*x^9 + g^23*x^6 + g^80*x^5 + g^106*x^3
There are 216 candidate simplex codes
g^56*x^96 + g^29*x^80 + g^113*x^72 + g^65*x^68 + g^86*x^65 + g^119*x^48 + g^80*x^40 + g^5*x^36 + g^22*x^34 + g^52*x^33 + g^7*x^24 + g^121*x^18 + g^124*x^17 + g^2*x^12 + g^16*x^10 + g^26*x^9 + g^21*x^6 + g^2*x^5 + g^115*x^3
There are 188 candidate simplex codes
g^22*x^96 + g^113*x^80 + g^91*x^72 + g*x^68 + g^42*x^66 + g^56*x^65 + g^49*x^48 + g^122*x^40 + g^37*x^36 + g^48*x^34 + g^51*x^33 + g^2*x^24 + g^41*x^20 + g^109*x^18 + g^110*x^17 + g^2*x^12 + g^111*x^10 + g^68*x^9 + g^53*x^6 + g^71*x^5 + g^61*x^3
There are 236 candidate simplex codes

g^9*x^96 + g^120*x^80 + g^59*x^72 + g^96*x^68 + g*x^66 + g^76*x^65 + g^49*x^48 + g^115*x^40 + g^126*x^36 + g^92*x^34 + g^119*x^33 + g^81*x^24 + g^83*x^20 + g^95*x^18 + g^57*x^17 + g^81*x^12 + g^17*x^10 + g^75*x^9 + g^50*x^6 + g^23*x^5 + g^124*x^3
There are 228 candidate simplex codes
g^46*x^96 + g^114*x^80 + g^106*x^72 + g^107*x^68 + g^4*x^66 + g^40*x^65 + g^99*x^48 + g^62*x^40 + g^107*x^36 + g^111*x^34 + g^22*x^33 + g^123*x^24 + g^116*x^20 + g^122*x^18 + g^31*x^17 + g^30*x^12 + g^55*x^10 + g^52*x^9 + g^97*x^6 + g^118*x^5 + g^2*x^3
There are 224 candidate simplex codes
g^67*x^96 + g^85*x^80 + g^10*x^72 + g^27*x^68 + g^103*x^66 + g^96*x^65 + g^17*x^48 + g^116*x^36 + g^10*x^34 + g^87*x^33 + g^36*x^24 + g^83*x^20 + g^59*x^18 + g^5*x^17 + g^40*x^12 + g^44*x^10 + g^67*x^9 + g^29*x^6 + g^83*x^5 + g^91*x^3
There are 232 candidate simplex codes
g^54*x^96 + g^43*x^80 + g^26*x^72 + g^102*x^68 + g^53*x^66 + g^120*x^65 + g^13*x^48 + g^80*x^40 + g^86*x^36 + g^2*x^34 + g^77*x^33 + g^2*x^24 + g^104*x^20 + g^37*x^18 + g^21*x^17 + g^37*x^12 + g^119*x^10 + g^123*x^9 + g^109*x^6 + g^76*x^5 + g^91*x^3
There are 220 candidate simplex codes
g^12*x^96 + g^23*x^80 + g^109*x^72 + g^87*x^68 + g^2*x^66 + g^44*x^65 + g^31*x^48 + g^31*x^40 + g^118*x^36 + g^122*x^34 + g^117*x^33 + g^46*x^24 + g^75*x^20 + g^123*x^18 + g^121*x^17 + g^35*x^12 + g^114*x^10 + g^31*x^9 + g^114*x^6 + g^119*x^5 + g^23*x^3
There are 216 candidate simplex codes
g^56*x^96 + g^94*x^80 + g^14*x^72 + g^90*x^68 + g^50*x^66 + g^32*x^65 + g^117*x^48 + g^125*x^40 + g^81*x^36 + g^64*x^34 + g^29*x^33 + g^100*x^24 + g^57*x^20 + g^77*x^18 + g^107*x^17 + g^45*x^12 + g^119*x^10 + g^69*x^9 + g^86*x^6 + g^113*x^5 + g^118*x^3
There are 220 candidate simplex codes
g^75*x^96 + g^26*x^80 + g^43*x^72 + g^91*x^68 + g^118*x^66 + g^81*x^65 + g^42*x^48 + g^17*x^40 + g^42*x^36 + g^64*x^34 + g^117*x^33 + g^4*x^24 + g^126*x^20 + g^13*x^18 + g^74*x^17 + g^55*x^12 + g^23*x^10 + g^34*x^9 + g*x^6 + g^17*x^5 + g^108*x^3
There are 228 candidate simplex codes
g^40*x^96 + g^87*x^80 + g^6*x^72 + g^90*x^68 + g^37*x^66 + g^23*x^65 + g^49*x^48 + g^112*x^40 + g^34*x^36 + g^92*x^33 + g^60*x^24 + g^7*x^20 + g^94*x^18 + g^26*x^17 + g^96*x^12 + g^59*x^10 + g^88*x^9 + g^65*x^6 + x^5 + g^110*x^3
There are 232 candidate simplex codes
g^98*x^96 + g^46*x^80 + g^50*x^72 + g^32*x^68 + g^21*x^66 + g^126*x^65 + g^63*x^48 + g^42*x^40 + g^120*x^36 + g^16*x^34 + g^51*x^33 + g^102*x^24 + g^111*x^20 + g^124*x^18 + g^99*x^17 + g^74*x^12 + g^37*x^10 + g^45*x^9 + g^49*x^6 + g^49*x^5 + g*x^3
There are 232 candidate simplex codes
g^16*x^96 + g^42*x^80 + g^38*x^72 + g^102*x^68 + g^89*x^66 + g^97*x^65 + g^111*x^48 + g^99*x^40 + g^120*x^36 + g^124*x^34 + g^74*x^33 + g^85*x^24 + g^71*x^20 + g^7*x^18 + g^55*x^17 + g^35*x^12 + g^75*x^10 + g^93*x^9 + g^48*x^6 + g^118*x^5 + g^12*x^3
There are 192 candidate simplex codes
g^42*x^96 + g^117*x^80 + g^116*x^72 + g^88*x^68 + g^87*x^66 + g^78*x^65 + g^90*x^48 + g^96*x^40 + g^71*x^36 + g^5*x^34 + g^67*x^33 + g^105*x^24 + g^63*x^20 + g^98*x^18 + g^88*x^17 + g^5*x^12 + g^82*x^10 + g^43*x^9 + g^51*x^6 + g^60*x^5 + g^108*x^3
There are 216 candidate simplex codes
g^110*x^96 + g*x^80 + g^48*x^72 + g^79*x^68 + g^23*x^66 + g^92*x^65 + g^11*x^48 + g^5*x^40 + g^28*x^36 + g^31*x^34 + g^66*x^33 + g^104*x^24 + g^86*x^20 + g^21*x^18 + g^117*x^17 + g^90*x^12 + g^91*x^10 + g^54*x^9 + g^105*x^6 + g^126*x^5 + g^67*x^3
There are 248 candidate simplex codes
g^89*x^96 + g^121*x^80 + g^45*x^72 + g^101*x^68 + g^5*x^66 + g^28*x^65 + g^102*x^48 + g^2*x^40 + g^92*x^36 + g^86*x^34 + g^98*x^33 + g^32*x^24 + g^7*x^20 + g^101*x^18 + g^106*x^17 + g^51*x^12 + g^91*x^10 + g^10*x^9 + g^88*x^6 + g^27*x^5 + g^111*x^3
There are 232 candidate simplex codes
g^97*x^96 + x^80 + g^88*x^72 + g^108*x^68 + g^126*x^66 + g^116*x^65 + g^116*x^48 + g^45*x^40 + g^80*x^36 + g^103*x^34 + g^29*x^33 + g^32*x^24 + g^53*x^20 + g^45*x^18 + g^102*x^17 + g^59*x^12 + g^62*x^10 + g^23*x^9 + g^99*x^6 + g^65*x^5 + g^10*x^3
There are 232 candidate simplex codes
g^61*x^96 + g^102*x^80 + g^55*x^72 + g^53*x^68 + g^122*x^66 + g^55*x^65 + g^69*x^48 + g^39*x^40 + g^7*x^36 + g^10*x^34 + g^23*x^33 + g^67*x^24 + g^13*x^20 + g^42*x^18 + g^33*x^17 + g^47*x^12 + g^70*x^10 + g^94*x^9 + g^18*x^6 + g^29*x^5 + g^69*x^3
There are 200 candidate simplex codes
g^123*x^96 + g^57*x^80 + g^105*x^72 + g^61*x^68 + g^3*x^66 + g^44*x^65 + g^103*x^48 + g^6*x^40 + g^19*x^36 + g^22*x^34 + g^100*x^33 + g^62*x^24 + g^30*x^20 + g^107*x^18 + g^88*x^17 + g^125*x^12 + g^43*x^10 + g^88*x^9 + g^99*x^5 + g^22*x^3
There are 192 candidate simplex codes
g^3*x^96 + g^29*x^80 + g^10*x^72 + g^39*x^68 + g^58*x^66 + g^120*x^65 + g^97*x^48 + g^113*x^40 + g^29*x^36 + g^62*x^34 + g^9*x^33 + x^24 + g^2*x^20 + g^45*x^18 + g^31*x^17 + g^121*x^12 + g^28*x^10 + g^40*x^9 + g^32*x^6 + g^80*x^5 + g^120*x^3
There are 228 candidate simplex codes
g^25*x^96 + g^121*x^80 + g^124*x^72 + g^42*x^68 + g^24*x^66 + g^17*x^65 + g^105*x^48 + g^19*x^40 + g^104*x^36 + g^65*x^34 + g^86*x^33 + g^36*x^24 + g^96*x^20 + g^56*x^18 + g^119*x^17 + g^45*x^12 + g^69*x^10 + g^104*x^9 + g^98*x^6 + g^112*x^5 + g^113*x^3
There are 236 candidate simplex codes
g^20*x^96 + g^79*x^80 + g^121*x^72 + g^33*x^68 + g^101*x^66 + g^20*x^65 + g^103*x^48 + g^17*x^40 + g^33*x^36 + g^32*x^34 + g^77*x^33 + g^69*x^24 + g^105*x^20 + g^87*x^18 + g^44*x^17 + g^4*x^12 + g^120*x^10 + g^48*x^9 + g^78*x^6 + g^48*x^5 + g^88*x^3
There are 216 candidate simplex codes
g^47*x^96 + g^21*x^80 + g^103*x^72 + g^58*x^68 + g^48*x^66 + g^72*x^65 + g^85*x^48 + g^113*x^40 + g^70*x^36 + g^92*x^34 + g^87*x^33 + g^58*x^24 + g^19*x^20 + g^45*x^18 + g^63*x^17 + g^7*x^12 + g^123*x^10 + g^43*x^9 + g^104*x^6 + g^117*x^5 + g^17*x^3
There are 188 candidate simplex codes
x^96 + g^18*x^80 + g^29*x^72 + g^91*x^68 + g^62*x^66 + g^73*x^65 + g^12*x^48 + g^44*x^40 + g^9*x^36 + g^12*x^34 + g^115*x^33 + g^100*x^24 + g^52*x^20 + g^61*x^18 + g^21*x^17 + g^95*x^12 + g^84*x^10 + g^80*x^9 + g^91*x^6 + g^50*x^5 + g^114*x^3
There are 192 candidate simplex codes
g^76*x^96 + g^30*x^80 + g^88*x^72 + g^122*x^68 + g^98*x^66 + g^83*x^65 + g^83*x^48 + g^122*x^40 + g^13*x^36 + g^46*x^34 + g^11*x^33 + g^104*x^24 + g*x^20 + g^40*x^18 + g^6*x^17 + g^123*x^12 + g^78*x^10 + g^101*x^9 + g^33*x^6 + g^52*x^5 + g^32*x^3
There are 232 candidate simplex codes
g^65*x^96 + g^74*x^80 + g^119*x^72 + g^26*x^68 + g^90*x^66 + g^59*x^65 + g^72*x^48 + g^25*x^40 + g^82*x^36 + g^120*x^34 + g^76*x^33 + g^39*x^24 + g^3*x^20 + g^104*x^18 + g^87*x^17 + g^102*x^12 + g^34*x^10 + g^92*x^9 + g^2*x^6 + g^79*x^5 + g^12*x^3
There are 240 candidate simplex codes
g^20*x^96 + g^87*x^80 + g^2*x^72 + g^16*x^68 + g^100*x^66 + g^30*x^65 + g^43*x^48 + g^46*x^40 + g^17*x^36 + g^65*x^34 + g^19*x^33 + g^14*x^24 + g^50*x^20 + g^84*x^18 + g^98*x^17 + g^88*x^12 + g^53*x^10 + g^75*x^9 + g^87*x^6 + g^85*x^5 + g^80*x^3
There are 224 candidate simplex codes
g^47*x^96 + g^107*x^80 + g^21*x^72 + g^97*x^68 + g^105*x^66 + g^74*x^65 + g^45*x^48 + g^112*x^40 + g^65*x^36 + g^42*x^34 + g^119*x^33 + g^36*x^24 + g^4*x^20 + g^21*x^18 + g^33*x^17 + g^98*x^12 + g^115*x^10 + g^83*x^9 + g^41*x^6 + g^60*x^5 + g^48*x^3
There are 232 candidate simplex codes
g^15*x^96 + g^100*x^80 + g^76*x^72 + g^41*x^68 + g^2*x^66 + g^92*x^65 + g^67*x^48 + g^13*x^40 + g^32*x^36 + g^99*x^34 + g^60*x^33 + g^116*x^24 + g^23*x^20 + g^33*x^18 + g^36*x^17 + g^120*x^12 + g^32*x^10 + g^69*x^9 + g^68*x^6 + g^82*x^5 + g^2*x^3
There are 208 candidate simplex codes
g^13*x^96 + g^67*x^80 + g^54*x^72 + g^79*x^68 + g^75*x^66 + g^86*x^65 + g^88*x^48 + g^19*x^40 + g^112*x^36 + g^80*x^34 + g^107*x^33 + g^121*x^20 + g^46*x^18 + x^17 + g^124*x^12 + g^105*x^10 + g^10*x^9 + g^78*x^6 + g^109*x^5 + g^123*x^3
There are 196 candidate simplex codes
g^26*x^96 + g^118*x^80 + g^38*x^72 + g^109*x^68 + g^80*x^66 + g^26*x^65 + g^41*x^48 + g^108*x^40 + g^78*x^36 + g^16*x^34 + g^43*x^33 + g^39*x^24 + g^125*x^20 + g^100*x^18 + g^78*x^17 + g^87*x^12 + g^60*x^10 + g^83*x^9 + g^60*x^6 + g^106*x^5 + g^111*x^3
There are 228 candidate simplex codes
g^81*x^96 + g^36*x^80 + g^20*x^72 + g^31*x^68 + g^45*x^66 + g^17*x^65 + g^20*x^48 + g^48*x^40 + g^85*x^36 + g^108*x^34 + g^23*x^33 + g^36*x^24 + g^122*x^20 + g^90*x^18 + g^104*x^17 + g^16*x^12 + g^116*x^10 + g^27*x^9 + g^40*x^6 + g^39*x^5 + g^92*x^3
There are 208 candidate simplex codes
g^24*x^96 + g^46*x^80 + g^109*x^72 + g^71*x^68 + g^63*x^66 + g^105*x^65 + g^43*x^48 + g^97*x^40 + g^110*x^36 + g^64*x^34 + g^30*x^33 + g^47*x^24 + g^99*x^20 + g^119*x^18 + g^86*x^17 + g^107*x^12 + g^18*x^10 + g^8*x^9 + g^106*x^6 + g^81*x^5 + g^92*x^3
There are 188 candidate simplex codes
g^120*x^96 + g^89*x^80 + g^95*x^72 + g^84*x^68 + g^57*x^66 + g^16*x^65 + g^88*x^48 + g^75*x^40 + g^81*x^36 + g^18*x^34 + g^32*x^33 + g^59*x^24 + g^120*x^20 + g^83*x^18 + g^45*x^17 + g^103*x^12 + g^7*x^10 + g^43*x^9 + g^119*x^6 + g^3*x^5 + g^49*x^3
There are 196 candidate simplex codes
g^109*x^96 + g^41*x^80 + g^88*x^72 + g^25*x^68 + g^116*x^66 + g^103*x^65 + g^36*x^48 + g^98*x^40 + g^5*x^36 + g^95*x^34 + g^90*x^33 + g^23*x^24 + g^123*x^20 + g^121*x^18 + g^116*x^17 + g^37*x^12 + g^107*x^10 + g^38*x^9 + g^4*x^6 + g^69*x^5 + g^39*x^3
There are 252 candidate simplex codes
g^81*x^96 + g^23*x^80 + g^54*x^72 + g^4*x^68 + g^79*x^66 + g^15*x^65 + g^28*x^48 + g^47*x^40 + g^64*x^36 + g^2*x^34 + g^38*x^33 + g^52*x^24 + g^79*x^20 + g^88*x^18 + g^43*x^17 + g^33*x^12 + g*x^10 + g^4*x^9 + g^28*x^6 + g^36*x^5 + g^60*x^3
There are 200 candidate simplex codes
g^94*x^96 + g^121*x^80 + g^92*x^72 + g^7*x^66 + g^44*x^65 + g^68*x^48 + g^26*x^40 + g^43*x^36 + g^24*x^34 + g^43*x^33 + g^25*x^24 + g^42*x^20 + g^17*x^18 + g^74*x^17 + g^101*x^12 + g^91*x^10 + g^109*x^9 + g^60*x^6 + g^119*x^5 + g^98*x^3
There are 280 candidate simplex codes
g^16*x^96 + g^116*x^80 + g^36*x^72 + g^27*x^68 + g^78*x^66 + g^6*x^65 + g^14*x^48 + g^71*x^40 + g^41*x^36 + g^56*x^34 + g^84*x^33 + g^82*x^24 + g^85*x^20 + g^76*x^18 + g^18*x^17 + g^53*x^12 + g^44*x^10 + g^8*x^9 + g^87*x^6 + g^3*x^5 + g^109*x^3
There are 268 candidate simplex codes
g^115*x^96 + g^75*x^80 + g^115*x^72 + g^110*x^68 + g^116*x^66 + g^54*x^65 + g^30*x^48 + g*x^40 + g^109*x^36 + g^63*x^34 + g^26*x^33 + g^70*x^24 + g^75*x^20 + g^19*x^18 + g^94*x^17 + g^46*x^12 + g^125*x^10 + g^101*x^9 + g^2*x^6 + g^88*x^5 + g^119*x^3
There are 208 candidate simplex codes

g^18*x^96 + g^123*x^80 + g^47*x^72 + g^26*x^68 + g^58*x^66 + g^30*x^65 + g^111*x^48 + g^92*x^40 + g^122*x^36 + g^106*x^34 + g^61*x^33 + g^25*x^24 + g^58*x^20 + g^21*x^18 + g^3*x^17 + g^71*x^12 + g^84*x^10 + g^101*x^9 + g^90*x^6 + g^122*x^5 + g^42*x^3
There are 220 candidate simplex codes
g^53*x^96 + g^22*x^80 + g^28*x^72 + g^36*x^68 + g^109*x^65 + g^34*x^48 + g^64*x^40 + g^14*x^36 + g^97*x^34 + g^117*x^33 + g^104*x^24 + g^35*x^20 + g^86*x^18 + g^121*x^17 + g^50*x^12 + g^34*x^10 + g^111*x^9 + g^48*x^6 + g^74*x^5 + g^45*x^3
There are 224 candidate simplex codes
g^104*x^96 + g^115*x^80 + g^116*x^72 + g^53*x^68 + g^64*x^66 + g^87*x^65 + g^6*x^48 + g^101*x^40 + g^47*x^36 + g^72*x^34 + g^122*x^33 + g^49*x^24 + g^77*x^20 + g^106*x^18 + g^58*x^17 + g^86*x^12 + g^104*x^10 + g^116*x^9 + g^19*x^6 + g^112*x^5 + g^3*x^3
There are 204 candidate simplex codes
g^58*x^96 + g^22*x^80 + g^10*x^72 + g^59*x^68 + g^120*x^66 + g^50*x^65 + g^101*x^48 + g^90*x^40 + g^55*x^36 + g^13*x^34 + g^52*x^33 + g^111*x^24 + g^33*x^20 + g^85*x^18 + g^36*x^17 + g^96*x^12 + g^15*x^10 + g^24*x^9 + g^114*x^6 + g^49*x^5 + g^98*x^3
There are 204 candidate simplex codes
g^85*x^96 + g^89*x^80 + g^25*x^72 + g^120*x^68 + g^32*x^66 + g^80*x^65 + g^101*x^48 + g^43*x^40 + g^83*x^36 + g^13*x^34 + g^30*x^33 + g^40*x^24 + g^46*x^20 + g^99*x^18 + g^109*x^17 + g^121*x^12 + g^17*x^10 + g^93*x^9 + g^114*x^6 + g^87*x^5 + g^122*x^3
There are 224 candidate simplex codes
g^107*x^96 + g^37*x^80 + g^83*x^72 + g^111*x^68 + g^91*x^66 + g^72*x^65 + g^47*x^48 + g^51*x^40 + g^110*x^36 + g^64*x^34 + g^103*x^33 + g^113*x^24 + g^64*x^20 + g^4*x^18 + g^89*x^17 + g^19*x^12 + g^56*x^10 + g^52*x^9 + g^67*x^6 + g^125*x^5 + g^91*x^3
There are 216 candidate simplex codes
g^39*x^96 + g^45*x^80 + g^28*x^72 + g^96*x^68 + g^105*x^66 + g^98*x^65 + g^118*x^48 + g^95*x^40 + g^90*x^36 + g^54*x^34 + g^103*x^33 + g^48*x^24 + g^124*x^20 + g^118*x^18 + g^39*x^17 + g^51*x^12 + g^55*x^10 + g^119*x^9 + g^118*x^5 + g^120*x^3
There are 184 candidate simplex codes
g^13*x^96 + g^7*x^80 + g^123*x^68 + g^121*x^66 + g^52*x^65 + g^17*x^48 + g^82*x^40 + g^116*x^36 + g^79*x^34 + g^38*x^33 + g^60*x^24 + g^92*x^20 + g^50*x^18 + g^27*x^17 + g^75*x^12 + g^115*x^10 + g^85*x^9 + g^58*x^6 + g^126*x^5 + g^49*x^3
There are 208 candidate simplex codes
g^62*x^96 + g^123*x^80 + g^56*x^72 + g^40*x^68 + g^79*x^66 + g^5*x^65 + g^91*x^48 + g^94*x^40 + g^48*x^36 + g^117*x^34 + g^9*x^33 + g^11*x^24 + g^75*x^20 + g^80*x^18 + g^17*x^17 + g^87*x^12 + g^125*x^10 + g^39*x^9 + g^17*x^6 + g^43*x^5 + g^29*x^3
There are 240 candidate simplex codes
g^94*x^96 + g^57*x^80 + g^44*x^72 + g^25*x^68 + g^10*x^66 + g^47*x^65 + g^125*x^48 + g^69*x^40 + g^65*x^36 + g^117*x^34 + g^77*x^33 + g^108*x^24 + g^38*x^20 + g^42*x^18 + g^28*x^17 + g^69*x^12 + g^58*x^10 + g^119*x^9 + g^109*x^6 + g^39*x^5 + g^56*x^3
There are 296 candidate simplex codes
g^36*x^96 + g^35*x^80 + g^71*x^72 + g^106*x^68 + g^112*x^66 + g^13*x^65 + g^38*x^48 + g^80*x^40 + g^103*x^36 + g^26*x^34 + g^85*x^33 + g^69*x^24 + g^109*x^20 + g^121*x^18 + g^110*x^17 + g^49*x^12 + g^113*x^10 + g^116*x^9 + g^33*x^6 + g^124*x^5 + g^80*x^3
There are 244 candidate simplex codes
g^79*x^96 + g^88*x^80 + g^62*x^72 + g^72*x^68 + g^115*x^66 + g^24*x^65 + g^103*x^48 + g^39*x^40 + g^41*x^36 + g^122*x^34 + g^48*x^33 + g^25*x^24 + g^17*x^20 + g^115*x^18 + g^88*x^17 + g^42*x^12 + g^43*x^10 + g^72*x^9 + g^115*x^6 + g^29*x^5 + g^13*x^3
There are 232 candidate simplex codes
g^119*x^96 + g^72*x^80 + g^7*x^72 + g^102*x^68 + g^65*x^66 + g^79*x^65 + g^28*x^48 + g*x^40 + g^62*x^36 + g^69*x^34 + g^27*x^33 + g^77*x^24 + g^53*x^20 + g^89*x^18 + g^37*x^17 + g^31*x^12 + g^48*x^10 + g^8*x^9 + g^13*x^6 + g^8*x^5 + g^115*x^3
There are 248 candidate simplex codes
g^101*x^96 + g^6*x^80 + g^69*x^72 + g^114*x^68 + g^74*x^66 + g^92*x^65 + g^34*x^48 + g^96*x^40 + g^97*x^36 + g^44*x^34 + g^32*x^33 + g^125*x^24 + g^67*x^20 + g^90*x^18 + g^25*x^17 + g^3*x^12 + g^23*x^10 + g^110*x^9 + g^59*x^5 + g^8*x^3
There are 192 candidate simplex codes
g^37*x^96 + g^50*x^80 + g^105*x^72 + g^97*x^68 + g^26*x^66 + g^58*x^65 + g^17*x^48 + g^99*x^40 + g^116*x^36 + g^57*x^34 + g^82*x^33 + g^8*x^24 + g^86*x^20 + g^64*x^18 + g^106*x^17 + g^47*x^12 + g^47*x^10 + g^109*x^9 + g^87*x^6 + g^100*x^5 + g^38*x^3
There are 240 candidate simplex codes
g^9*x^96 + g^124*x^80 + g^100*x^72 + g^31*x^68 + g^75*x^66 + g^30*x^65 + g^64*x^48 + g^96*x^40 + g^25*x^36 + g^22*x^34 + g^104*x^33 + g^5*x^24 + g^41*x^20 + g^58*x^18 + g^75*x^17 + g^90*x^12 + g^18*x^10 + g^46*x^9 + g^18*x^6 + g^26*x^5 + g^57*x^3
There are 208 candidate simplex codes
g^44*x^96 + g^92*x^80 + g^37*x^72 + g^47*x^68 + g^52*x^66 + g^70*x^65 + g^60*x^48 + g^30*x^40 + g^5*x^36 + g^122*x^34 + g^81*x^33 + g^2*x^24 + g^75*x^20 + g^15*x^18 + g^57*x^17 + g^101*x^12 + g^33*x^10 + g^33*x^9 + g^19*x^6 + g^116*x^5 + g^9*x^3
There are 228 candidate simplex codes
g^122*x^96 + g^60*x^80 + g^40*x^72 + g^88*x^68 + g^103*x^66 + g^85*x^65 + g^70*x^48 + g^63*x^40 + g^111*x^36 + g^41*x^34 + g^90*x^33 + g^81*x^24 + g^91*x^20 + x^18 + g^84*x^17 + g^65*x^12 + g^65*x^10 + g^56*x^9 + g^23*x^6 + g^55*x^5 + g^26*x^3
There are 260 candidate simplex codes
g^32*x^96 + g^45*x^80 + g^64*x^72 + g^108*x^68 + g^9*x^66 + g^55*x^65 + g^121*x^48 + g^108*x^40 + g^2*x^36 + x^34 + g^20*x^33 + g^76*x^24 + g^21*x^20 + g^118*x^18 + g^102*x^17 + x^12 + g^46*x^10 + g^103*x^9 + g^101*x^6 + g^72*x^5 + g^92*x^3
There are 268 candidate simplex codes
g^121*x^96 + g^55*x^80 + g^81*x^72 + g^2*x^68 + g*x^66 + g^65*x^65 + g^39*x^48 + g^56*x^40 + x^36 + g^37*x^34 + g^119*x^33 + g^109*x^24 + g^49*x^20 + g^30*x^18 + g^36*x^17 + g^7*x^12 + g^56*x^10 + g^67*x^9 + g^15*x^6 + g^71*x^5 + g^72*x^3
There are 224 candidate simplex codes
g^116*x^96 + g^19*x^80 + g^66*x^72 + g^13*x^68 + g^99*x^66 + g^104*x^65 + g^19*x^48 + g^36*x^40 + g^123*x^36 + g^30*x^34 + g^110*x^33 + g^41*x^24 + g^19*x^20 + g^75*x^18 + g^88*x^17 + g^119*x^12 + g^66*x^10 + g^41*x^9 + g^109*x^6 + g^122*x^5 + g^112*x^3
There are 228 candidate simplex codes
g^47*x^96 + g^109*x^80 + g^52*x^72 + g^11*x^68 + g^91*x^66 + g^125*x^65 + g^20*x^48 + g^28*x^40 + g^88*x^36 + g^13*x^34 + g^48*x^24 + g^58*x^20 + g^87*x^18 + g^19*x^17 + g^37*x^12 + g^32*x^10 + g^102*x^9 + g^38*x^6 + g^40*x^5 + g^24*x^3
There are 232 candidate simplex codes
g^33*x^96 + g^92*x^80 + g^98*x^72 + g^112*x^68 + g^42*x^66 + g^28*x^65 + g^94*x^48 + g^8*x^40 + g^109*x^36 + g^80*x^34 + g^14*x^33 + g^94*x^24 + g^119*x^20 + g^35*x^18 + g^125*x^17 + g^33*x^12 + g^69*x^10 + g^79*x^9 + g^97*x^6 + g^5*x^5 + g^37*x^3
There are 212 candidate simplex codes
g^116*x^96 + g^59*x^80 + g^83*x^72 + g^24*x^68 + g^37*x^66 + g^99*x^65 + g^48*x^48 + g^35*x^40 + g^45*x^36 + g^122*x^34 + g^17*x^33 + g^81*x^24 + g^10*x^20 + g^60*x^18 + g^107*x^17 + g^123*x^12 + g^99*x^10 + g^51*x^9 + g^67*x^6 + g^27*x^5 + g^32*x^3
There are 244 candidate simplex codes
g^30*x^96 + g^43*x^80 + g^102*x^72 + g^42*x^68 + g^26*x^66 + g^21*x^65 + g^78*x^48 + g^119*x^40 + g*x^36 + g^9*x^34 + g*x^33 + g^39*x^24 + g^45*x^20 + g^4*x^18 + g^76*x^17 + g^40*x^12 + g^76*x^10 + g^98*x^9 + g^5*x^6 + g^15*x^5 + g^39*x^3
There are 264 candidate simplex codes
g^114*x^96 + g^30*x^80 + g^60*x^72 + g^65*x^66 + g^123*x^48 + g^6*x^40 + g^121*x^36 + g^88*x^34 + g^90*x^33 + g^64*x^24 + g^88*x^20 + g^76*x^18 + g^71*x^17 + g^76*x^12 + g^72*x^10 + g^34*x^9 + g^93*x^6 + g^95*x^5 + g^101*x^3
There are 248 candidate simplex codes
g^83*x^96 + g^121*x^80 + g^52*x^72 + g^119*x^68 + g^16*x^66 + g^15*x^65 + g^96*x^48 + g^55*x^40 + g^118*x^36 + g^45*x^34 + g^84*x^33 + g^20*x^24 + g^97*x^20 + g^20*x^18 + g^6*x^17 + g^111*x^12 + g^65*x^10 + g^70*x^9 + g^58*x^6 + g^120*x^5 + g^22*x^3
There are 232 candidate simplex codes
g^86*x^96 + g^108*x^80 + g^124*x^72 + g^70*x^68 + g^99*x^66 + g^5*x^65 + g^64*x^48 + g^26*x^40 + g^119*x^36 + g^46*x^34 + g^17*x^33 + g^82*x^24 + g^100*x^20 + g^32*x^18 + g^107*x^17 + g^30*x^12 + g^82*x^10 + g^96*x^9 + g^104*x^6 + g^119*x^5 + g^110*x^3
There are 252 candidate simplex codes
g^14*x^80 + g^3*x^72 + g^104*x^68 + g^69*x^66 + g^89*x^65 + g^24*x^48 + g^45*x^40 + g^25*x^36 + g^71*x^34 + g^103*x^33 + g^16*x^24 + g^2*x^20 + g^88*x^18 + g^17*x^17 + g^79*x^12 + g^44*x^10 + g^30*x^9 + g^63*x^6 + g^29*x^5 + g^61*x^3
There are 196 candidate simplex codes
g^51*x^96 + g^60*x^80 + g^124*x^72 + x^68 + g^5*x^66 + g^53*x^65 + g^106*x^48 + g^55*x^40 + g^19*x^36 + g^108*x^34 + g^20*x^33 + g^80*x^24 + g^12*x^20 + g^88*x^18 + g^49*x^17 + g^28*x^12 + g^104*x^10 + g^119*x^9 + g^117*x^6 + g^23*x^5 + g^75*x^3
There are 188 candidate simplex codes
g^26*x^96 + g^41*x^80 + g^32*x^72 + g^66*x^68 + g^52*x^66 + g^19*x^65 + g^34*x^48 + g^67*x^40 + g^84*x^36 + g^72*x^34 + g^15*x^33 + g^67*x^24 + g^99*x^20 + g^13*x^18 + g^84*x^17 + g^63*x^12 + g^26*x^10 + g^94*x^9 + g^11*x^6 + g^73*x^5 + g^41*x^3
There are 224 candidate simplex codes
g^12*x^96 + x^80 + g^25*x^72 + g^73*x^68 + g^64*x^66 + g^4*x^65 + g^30*x^48 + g^84*x^40 + g^76*x^36 + g^27*x^34 + g^7*x^33 + g^26*x^24 + g^113*x^20 + g^29*x^18 + g^80*x^17 + g^118*x^12 + g^77*x^10 + g^6*x^9 + g^115*x^6 + g^59*x^5 + g^79*x^3
There are 208 candidate simplex codes
g^110*x^96 + g^43*x^80 + g^77*x^72 + g^69*x^68 + g^13*x^66 + g^49*x^65 + g^59*x^48 + g^92*x^40 + g^120*x^36 + g^27*x^34 + g^4*x^33 + g^56*x^24 + g^5*x^20 + g^93*x^18 + g^97*x^17 + g^40*x^12 + g^110*x^10 + g^93*x^9 + g^25*x^6 + g^38*x^5 + g^108*x^3
There are 260 candidate simplex codes
g^62*x^96 + g^95*x^80 + g^89*x^72 + g^54*x^68 + g^52*x^66 + g^9*x^65 + g^48*x^48 + g^87*x^40 + g^123*x^36 + g^20*x^34 + g^7*x^33 + g^26*x^24 + g^64*x^20 + g^79*x^18 + g^98*x^17 + g^46*x^12 + g^45*x^10 + g^35*x^9 + g^87*x^6 + g^10*x^5 + g^85*x^3
There are 196 candidate simplex codes
g^88*x^96 + g^6*x^80 + g^48*x^72 + g^27*x^68 + g^108*x^66 + g^8*x^65 + g^113*x^48 + g^10*x^40 + g^10*x^36 + g^45*x^34 + g^106*x^33 + g^83*x^24 + g^56*x^20 + g^82*x^18 + g^4*x^17 + g^39*x^12 + g^96*x^10 + g^40*x^9 + g^43*x^6 + g^47*x^5 + g^120*x^3
There are 228 candidate simplex codes
g^39*x^96 + g^105*x^80 + g*x^72 + g^126*x^68 + g^2*x^65 + g^101*x^48 + g^116*x^40 + g^83*x^36 + g^115*x^34 + g^57*x^33 + g^100*x^24 + g^101*x^20 + g^115*x^18 + g^108*x^17 + g^10*x^12 + g^4*x^10 + g^67*x^9 + g^14*x^6 + g^47*x^5 + g^75*x^3
There are 196 candidate simplex codes

g^39*x^96 + g^12*x^80 + g^10*x^72 + g^6*x^68 + g^15*x^66 + g^107*x^65 + g^60*x^48 + g^10*x^40 + g^46*x^36 + g^49*x^34 + g^32*x^33 + g^92*x^24 + g^77*x^20 + g^80*x^18 + g^66*x^17 + g^33*x^12 + g^76*x^10 + g*x^9 + g^79*x^6 + g^39*x^5 + g^120*x^3
There are 236 candidate simplex codes
g^70*x^96 + g^58*x^80 + g^11*x^72 + g*x^68 + g^48*x^66 + g^90*x^65 + g^123*x^48 + g^59*x^40 + g^96*x^36 + g*x^34 + g^33*x^33 + g^52*x^24 + g^120*x^20 + g^112*x^18 + g^10*x^17 + g^83*x^12 + g^54*x^10 + g^52*x^9 + g^20*x^6 + g^64*x^5 + g^101*x^3
There are 220 candidate simplex codes
g^123*x^96 + g^18*x^80 + g^63*x^72 + g^25*x^68 + g^4*x^66 + g^83*x^65 + g^66*x^48 + g^5*x^40 + g^21*x^36 + g^28*x^34 + g^7*x^33 + g^47*x^24 + g^74*x^20 + g^28*x^18 + g^123*x^17 + g^17*x^12 + g^107*x^10 + g^26*x^9 + g^101*x^6 + g^94*x^5 + g^68*x^3
There are 224 candidate simplex codes
g^8*x^96 + g^10*x^80 + g^10*x^72 + g^62*x^68 + g^81*x^66 + g^73*x^65 + g^54*x^48 + g^21*x^40 + g^115*x^36 + g^12*x^34 + g^101*x^33 + g^95*x^24 + g^42*x^20 + g^100*x^18 + g^8*x^17 + g^62*x^12 + g^73*x^10 + g^25*x^9 + g^91*x^6 + g^47*x^5 + g^62*x^3
There are 236 candidate simplex codes
g^97*x^96 + g^103*x^80 + g^88*x^72 + g^37*x^68 + g^108*x^66 + g^33*x^65 + g^34*x^48 + g^88*x^40 + g^6*x^36 + g^101*x^34 + g^23*x^33 + g^9*x^24 + g^104*x^20 + g^66*x^18 + g^35*x^17 + g^47*x^12 + g^32*x^10 + g^106*x^9 + g^126*x^6 + g^74*x^5 + g*x^3
There are 208 candidate simplex codes
g^72*x^96 + g^73*x^80 + g^93*x^72 + g^2*x^68 + g^36*x^66 + g^37*x^65 + g^57*x^48 + g^99*x^40 + g^2*x^36 + g^77*x^34 + g^15*x^33 + g^2*x^24 + g^83*x^20 + g^15*x^18 + g^100*x^17 + g^57*x^12 + g^50*x^10 + g^70*x^9 + g^116*x^6 + g^35*x^5 + g^73*x^3
There are 280 candidate simplex codes
g^18*x^96 + g^23*x^80 + g^57*x^72 + g^77*x^68 + g^71*x^66 + g^6*x^65 + g^62*x^48 + g^91*x^40 + g^5*x^36 + g^14*x^34 + g^100*x^33 + g^26*x^24 + g^47*x^20 + g^30*x^18 + g^20*x^17 + g^81*x^12 + g^88*x^10 + g^95*x^9 + g^78*x^6 + g^99*x^5 + g^90*x^3
There are 240 candidate simplex codes
g^107*x^96 + g^93*x^80 + g^39*x^72 + g^14*x^68 + g^110*x^66 + g^49*x^65 + g^65*x^48 + g^36*x^40 + g^9*x^36 + g^54*x^34 + g^19*x^33 + g^92*x^24 + g^48*x^20 + g^71*x^18 + g^69*x^17 + g^87*x^12 + g^5*x^10 + g^41*x^9 + g^86*x^6 + g^55*x^5 + g^52*x^3
There are 256 candidate simplex codes
g^45*x^96 + g^112*x^80 + g^111*x^72 + g^124*x^68 + x^66 + g^90*x^65 + g^54*x^48 + g^94*x^40 + g^82*x^36 + g^31*x^34 + g^19*x^33 + g^101*x^24 + g^27*x^20 + g*x^18 + g^41*x^17 + g^43*x^12 + g^77*x^10 + g^34*x^9 + g^108*x^6 + g^126*x^5 + g^119*x^3
There are 220 candidate simplex codes
g^102*x^96 + g^8*x^72 + g^72*x^68 + g^119*x^66 + g^20*x^65 + g^13*x^48 + g^3*x^40 + g^97*x^36 + g^17*x^34 + g^44*x^33 + g^122*x^24 + g^101*x^20 + g^6*x^18 + g^15*x^17 + g^125*x^12 + g^24*x^10 + g^118*x^9 + g^113*x^6 + g^93*x^5 + g^113*x^3
There are 196 candidate simplex codes
g^86*x^96 + g^42*x^80 + g^99*x^72 + g^26*x^68 + g^35*x^66 + g^80*x^65 + g^16*x^48 + x^40 + g^107*x^36 + g^92*x^34 + g^17*x^33 + g^25*x^24 + g^55*x^20 + g^118*x^18 + g^114*x^17 + g^61*x^12 + g^31*x^10 + g^82*x^9 + g^90*x^6 + g^43*x^5 + g^5*x^3
There are 200 candidate simplex codes
g^102*x^96 + g^11*x^80 + g^38*x^72 + g^84*x^68 + g^73*x^66 + g^88*x^65 + g^60*x^48 + g^94*x^40 + g^43*x^36 + g^13*x^34 + g^18*x^33 + g^18*x^24 + g^52*x^20 + g^118*x^18 + g^19*x^17 + g^109*x^12 + g^13*x^10 + g^6*x^9 + g^49*x^6 + g^126*x^5 + g^86*x^3
There are 256 candidate simplex codes
g^47*x^96 + g^30*x^80 + g^17*x^72 + g^98*x^68 + g^26*x^66 + g^86*x^65 + g^37*x^48 + g^73*x^40 + g^88*x^36 + g^47*x^34 + g^51*x^33 + g^5*x^24 + g^67*x^20 + g^84*x^18 + g^35*x^17 + g^22*x^12 + g^102*x^10 + g^7*x^9 + g^12*x^6 + g^113*x^5 + g^123*x^3
There are 220 candidate simplex codes
g^46*x^96 + g^111*x^80 + g*x^72 + g^55*x^68 + g^117*x^66 + g^5*x^65 + g^53*x^48 + g^59*x^40 + g^114*x^36 + g^20*x^34 + g^76*x^33 + g^44*x^24 + g^70*x^20 + g^13*x^18 + g^18*x^17 + g^86*x^12 + g^13*x^10 + g^44*x^9 + g^107*x^6 + g^33*x^5 + g^57*x^3
There are 216 candidate simplex codes
g^66*x^96 + g^113*x^80 + g^87*x^72 + g^101*x^68 + g^80*x^66 + g^38*x^65 + g^6*x^48 + g^93*x^40 + g^121*x^36 + g^48*x^34 + g^90*x^33 + g^54*x^24 + g^87*x^20 + g^79*x^18 + g^38*x^17 + g^34*x^12 + g^75*x^10 + g^89*x^9 + g^97*x^6 + g^31*x^5 + g^105*x^3
There are 224 candidate simplex codes
g^3*x^96 + g^80*x^80 + g^111*x^72 + g^12*x^68 + g^68*x^66 + g^23*x^65 + g^53*x^48 + x^40 + g^19*x^36 + g^3*x^34 + g^38*x^33 + g^88*x^24 + g^44*x^20 + g^68*x^18 + g^48*x^17 + g^112*x^12 + g^39*x^10 + g^20*x^9 + g^62*x^6 + g^21*x^5 + g^125*x^3
There are 196 candidate simplex codes
g^114*x^96 + g^116*x^80 + g^65*x^72 + g^39*x^68 + g^58*x^66 + g^69*x^65 + g^73*x^48 + g^75*x^40 + g^49*x^36 + g^39*x^34 + g^36*x^33 + g^69*x^24 + g^37*x^20 + g^118*x^18 + g^102*x^12 + g^45*x^10 + g^41*x^9 + g^58*x^6 + g^60*x^5 + g^75*x^3
There are 224 candidate simplex codes
g^26*x^96 + g^82*x^80 + g^58*x^72 + g^126*x^68 + g^115*x^66 + g^7*x^65 + g^64*x^48 + g^58*x^40 + g^16*x^36 + g^38*x^34 + g^25*x^33 + g^34*x^24 + g^120*x^20 + g^7*x^18 + g^3*x^17 + g^113*x^12 + g^45*x^10 + g^62*x^9 + g^57*x^6 + g^37*x^5 + g^83*x^3
There are 208 candidate simplex codes
g^90*x^96 + g^14*x^80 + g^13*x^72 + g^92*x^68 + g^19*x^66 + g^97*x^65 + g^43*x^48 + g^41*x^40 + g^52*x^36 + g^19*x^34 + g^54*x^33 + g^38*x^24 + g^14*x^20 + g^76*x^18 + g^30*x^12 + g^26*x^10 + g^7*x^9 + g^121*x^6 + g^75*x^5 + g^32*x^3
There are 220 candidate simplex codes
g^23*x^96 + g^4*x^80 + g^77*x^72 + g^64*x^68 + g^115*x^66 + g^121*x^65 + g^100*x^48 + g^105*x^40 + g^70*x^36 + g^37*x^34 + g^53*x^24 + g^117*x^20 + g^35*x^18 + g^113*x^17 + g^58*x^12 + g^49*x^10 + g^117*x^9 + g^66*x^6 + g^120*x^5 + g^105*x^3
There are 216 candidate simplex codes
g^5*x^96 + g^115*x^80 + g^117*x^72 + g^2*x^68 + g^107*x^66 + g^2*x^65 + g^124*x^48 + x^40 + g^6*x^36 + g^91*x^34 + g^26*x^33 + g^75*x^24 + g^44*x^20 + g^6*x^18 + g^106*x^17 + g^38*x^12 + g^37*x^10 + g^13*x^9 + g^92*x^6 + g^96*x^5 + g^13*x^3
There are 228 candidate simplex codes
g^61*x^96 + g^92*x^80 + g^91*x^72 + g^23*x^68 + g^53*x^65 + g^52*x^48 + g^34*x^40 + g^14*x^36 + g^107*x^34 + g^80*x^33 + g^114*x^24 + g^126*x^20 + g^111*x^18 + g^38*x^17 + g^118*x^12 + g^32*x^10 + g^43*x^9 + g^7*x^6 + g^12*x^5 + g^73*x^3
There are 264 candidate simplex codes
g^55*x^96 + g^16*x^80 + g^54*x^72 + g^95*x^68 + g^10*x^66 + g^74*x^65 + g^38*x^48 + g^48*x^40 + g^35*x^36 + g^23*x^34 + g^126*x^33 + g^35*x^24 + g^108*x^20 + g^92*x^18 + g^118*x^17 + g^111*x^12 + g^55*x^10 + g^97*x^9 + g^99*x^6 + g^120*x^5 + g^15*x^3
There are 208 candidate simplex codes
g^52*x^96 + g^122*x^80 + g^50*x^72 + g^105*x^68 + g^107*x^66 + g^102*x^65 + g^53*x^48 + g^54*x^40 + g^121*x^36 + g^63*x^34 + g^36*x^33 + g^8*x^24 + g^80*x^20 + g^21*x^18 + g^59*x^17 + g^95*x^12 + g^86*x^10 + g^64*x^9 + g^114*x^6 + g^28*x^5 + g^83*x^3
There are 212 candidate simplex codes
g^117*x^96 + g^115*x^80 + g^121*x^72 + g^62*x^68 + g^7*x^66 + g^39*x^65 + g^56*x^48 + g^106*x^40 + g^84*x^36 + g^15*x^34 + g^38*x^33 + g^54*x^24 + g^43*x^18 + g^113*x^17 + g^89*x^12 + g^77*x^10 + g^14*x^9 + g^13*x^6 + g^72*x^5 + g^112*x^3
There are 212 candidate simplex codes
g^4*x^96 + g^4*x^80 + g^42*x^72 + g^90*x^68 + g*x^66 + g^66*x^65 + g^111*x^48 + g^63*x^40 + g^52*x^36 + g^49*x^34 + g^58*x^33 + g^13*x^24 + g^84*x^20 + g^36*x^18 + g^47*x^17 + g^25*x^12 + g^77*x^10 + g^124*x^9 + g^11*x^6 + g^98*x^5 + g*x^3
There are 224 candidate simplex codes
g^108*x^96 + g^49*x^80 + g^29*x^72 + g^46*x^68 + g^35*x^66 + g^15*x^65 + g^15*x^48 + g^108*x^40 + g^18*x^36 + g^99*x^34 + g^4*x^33 + g^102*x^24 + g^91*x^20 + g^104*x^18 + g^89*x^17 + g^83*x^12 + g^56*x^10 + g^27*x^9 + g^114*x^6 + g^54*x^5 + g^46*x^3
There are 256 candidate simplex codes
g^4*x^96 + g^24*x^80 + g^49*x^72 + g^87*x^68 + g^85*x^66 + g^122*x^65 + g^99*x^48 + g^29*x^40 + g^109*x^36 + x^34 + g^95*x^33 + g^115*x^24 + g^68*x^20 + g^99*x^18 + g^37*x^17 + g^107*x^12 + g^95*x^10 + g^117*x^9 + g*x^6 + g^56*x^5 + g^77*x^3
There are 256 candidate simplex codes
g^25*x^96 + g^105*x^80 + g^98*x^72 + g^111*x^68 + g^63*x^66 + g^121*x^65 + g^54*x^48 + g^27*x^40 + g^111*x^36 + g^94*x^34 + g^102*x^33 + g^6*x^24 + g^54*x^20 + g^114*x^18 + g^91*x^17 + g^42*x^12 + g^76*x^10 + g^6*x^9 + g^11*x^6 + g^80*x^5 + g^110*x^3
There are 196 candidate simplex codes
g^42*x^96 + g^19*x^80 + g^69*x^72 + g^33*x^68 + g^87*x^66 + g^34*x^65 + g^81*x^48 + g^116*x^40 + g^15*x^36 + g^69*x^34 + g^11*x^33 + g^121*x^24 + g^122*x^20 + g^36*x^18 + g^13*x^17 + g^67*x^12 + g^64*x^10 + g^120*x^9 + g^26*x^6 + g^83*x^5 + g^119*x^3
There are 200 candidate simplex codes
g^90*x^96 + g^98*x^80 + g^53*x^72 + g^84*x^68 + g^23*x^66 + g^10*x^65 + g^120*x^48 + g^66*x^40 + g^75*x^36 + g^67*x^34 + g^73*x^33 + g^121*x^24 + g^18*x^20 + g^4*x^18 + g^18*x^17 + g^64*x^12 + g^68*x^10 + g^126*x^9 + g^27*x^6 + g^98*x^5 + g^91*x^3
There are 228 candidate simplex codes
g^55*x^96 + g^40*x^80 + g^4*x^72 + g^102*x^68 + g^35*x^66 + g^113*x^65 + g^60*x^48 + g^24*x^40 + g^12*x^36 + g^7*x^34 + g^21*x^33 + g^74*x^24 + g^57*x^20 + g^80*x^18 + g^112*x^17 + g^105*x^12 + g^74*x^10 + g^48*x^9 + g^21*x^6 + g^100*x^5 + g^51*x^3
There are 216 candidate simplex codes
g^48*x^96 + g^125*x^80 + g^68*x^72 + g^64*x^68 + g^31*x^66 + g^96*x^65 + g^35*x^48 + g^63*x^40 + g^86*x^36 + g^16*x^34 + g^95*x^33 + g^124*x^24 + g^43*x^20 + g^104*x^18 + g^23*x^17 + g^67*x^12 + g^77*x^10 + g^55*x^9 + g^96*x^6 + g^16*x^5 + g^92*x^3
There are 224 candidate simplex codes
g^46*x^96 + g^109*x^80 + g^117*x^72 + g^122*x^68 + g^110*x^66 + g^19*x^65 + g^117*x^48 + g^113*x^40 + g^103*x^36 + g^58*x^34 + g^18*x^33 + g^81*x^24 + g^3*x^20 + g^111*x^18 + g^86*x^17 + g^114*x^12 + g^3*x^10 + g^101*x^9 + g^27*x^6 + g^4*x^5 + g^52*x^3
There are 220 candidate simplex codes
g^95*x^96 + g^44*x^80 + g^21*x^72 + g^86*x^68 + g^38*x^66 + g^100*x^65 + g^16*x^48 + g^117*x^40 + g^90*x^36 + g^35*x^34 + g^125*x^33 + g^12*x^24 + g^121*x^20 + g^81*x^18 + g^27*x^17 + g^10*x^12 + g^2*x^10 + g^29*x^9 + g^79*x^6 + g^8*x^5 + g*x^3
There are 228 candidate simplex codes
g^12*x^96 + g^111*x^80 + g^88*x^72 + g^11*x^68 + g^122*x^66 + g^95*x^65 + g^112*x^48 + g^87*x^40 + g^121*x^36 + g^117*x^34 + g^69*x^33 + g^125*x^24 + g^41*x^20 + g^78*x^18 + g^73*x^17 + g^45*x^12 + g^35*x^10 + g^61*x^9 + g^70*x^6 + g^101*x^5 + g^34*x^3
There are 216 candidate simplex codes

g^15*x^96 + g^45*x^80 + g^63*x^72 + g^70*x^68 + g^48*x^66 + g^122*x^65 + g^77*x^48 + g^31*x^40 + g^51*x^36 + g*x^34 + g^27*x^33 + g^125*x^24 + g^24*x^20 + g^45*x^18 + g^125*x^17 + g^122*x^12 + g^33*x^10 + g^124*x^9 + g^43*x^6 + g^11*x^5 + g^43*x^3

There are 280 candidate simplex codes

g^34*x^96 + g^31*x^80 + g^34*x^72 + g^119*x^68 + g^72*x^66 + g^99*x^65 + g^9*x^48 + g^5*x^40 + g^49*x^36 + g^19*x^34 + g^63*x^33 + g*x^24 + g^94*x^20 + g^82*x^18 + g^59*x^17 + g^62*x^12 + g^58*x^10 + g^81*x^9 + g^57*x^6 + g^56*x^5 + g^8*x^3

There are 220 candidate simplex codes

g^102*x^96 + g^32*x^80 + g^124*x^72 + g^71*x^68 + g^84*x^66 + g^73*x^65 + g^31*x^48 + g^126*x^40 + g^4*x^36 + g^58*x^34 + g^34*x^33 + g^84*x^24 + g^112*x^20 + g^119*x^18 + g^60*x^17 + g^82*x^12 + g^61*x^10 + g^97*x^9 + g^14*x^6 + g^87*x^5 + g^59*x^3

There are 232 candidate simplex codes

g^39*x^96 + g^4*x^80 + g^111*x^72 + g^106*x^68 + g^118*x^66 + g^95*x^65 + g^124*x^48 + g^26*x^40 + g^96*x^36 + g^88*x^34 + g^87*x^33 + g^100*x^24 + g^41*x^20 + g^104*x^18 + g^67*x^17 + g^33*x^12 + g^81*x^10 + x^9 + g^86*x^6 + g^45*x^5 + g^39*x^3

There are 228 candidate simplex codes

g^119*x^96 + g^55*x^80 + g^107*x^72 + g^45*x^68 + g^66*x^66 + g^15*x^65 + g^57*x^48 + g^30*x^40 + g^59*x^36 + g^91*x^34 + g^51*x^33 + g^77*x^24 + g^35*x^20 + g^101*x^18 + g^17*x^17 + g^87*x^12 + g^44*x^10 + g^104*x^9 + g^90*x^6 + g^62*x^5 + g^14*x^3

There are 220 candidate simplex codes

g^36*x^96 + g^113*x^80 + g^21*x^72 + g^27*x^68 + g^48*x^66 + g^7*x^65 + g^68*x^48 + g^102*x^40 + g^93*x^36 + g^90*x^34 + g^53*x^33 + g^123*x^24 + g^73*x^20 + g^78*x^18 + g^91*x^17 + g^49*x^12 + g^13*x^10 + g^48*x^9 + g^66*x^6 + g^77*x^5 + g^57*x^3

There are 236 candidate simplex codes

g^23*x^96 + g^40*x^80 + g^35*x^72 + g^113*x^68 + g^108*x^66 + g^25*x^65 + g^28*x^48 + g^10*x^40 + g^104*x^36 + g^16*x^34 + g^110*x^33 + g^80*x^24 + g^90*x^20 + g^37*x^18 + g^126*x^17 + g^90*x^12 + g^98*x^10 + g^88*x^9 + g^15*x^6 + g^94*x^5 + g^97*x^3

There are 220 candidate simplex codes

g^102*x^96 + g^81*x^80 + g^44*x^72 + g^11*x^68 + g^104*x^66 + g^82*x^65 + g^116*x^48 + g^12*x^40 + g^5*x^36 + g^93*x^34 + g^60*x^33 + g^62*x^24 + g^66*x^20 + g^23*x^18 + g^124*x^17 + g^15*x^12 + g^101*x^10 + g^94*x^9 + g^38*x^6 + g^120*x^5 + g^125*x^3

There are 216 candidate simplex codes

g^23*x^96 + g^64*x^80 + g^112*x^72 + g^14*x^68 + g^122*x^66 + g^56*x^65 + g^92*x^48 + g^84*x^40 + g^34*x^36 + g^82*x^34 + g*x^33 + g^93*x^24 + g*x^20 + g^63*x^18 + g^8*x^17 + g^109*x^12 + g^124*x^10 + g^122*x^9 + g^102*x^6 + g^90*x^5 + g^68*x^3

There are 216 candidate simplex codes

g^84*x^96 + g^7*x^80 + g^50*x^72 + g^122*x^68 + g^34*x^66 + g^37*x^65 + g^94*x^48 + g^67*x^40 + g^93*x^36 + g^18*x^34 + g^32*x^33 + g^33*x^24 + g^125*x^20 + g^83*x^17 + g^115*x^12 + g^92*x^10 + g^89*x^9 + g^14*x^6 + g^40*x^5 + g^104*x^3

There are 220 candidate simplex codes

g^98*x^96 + g^64*x^80 + g^125*x^72 + g^77*x^68 + g^50*x^66 + g^20*x^65 + g^114*x^48 + g^54*x^40 + g^27*x^34 + g^84*x^33 + g^94*x^24 + g^117*x^20 + g^90*x^18 + g^4*x^17 + g^90*x^12 + g^49*x^10 + g^106*x^9 + g^14*x^6 + g^84*x^5 + g^43*x^3

There are 232 candidate simplex codes

g^43*x^96 + g^27*x^80 + g^110*x^72 + g^93*x^68 + g^68*x^66 + g^111*x^65 + g^52*x^48 + g^104*x^40 + g^48*x^36 + g^88*x^34 + g^65*x^33 + g^24*x^24 + g^33*x^20 + g^3*x^18 + g^28*x^17 + g^98*x^12 + g^112*x^10 + g^24*x^9 + g^52*x^6 + g^11*x^5 + g^121*x^3

There are 220 candidate simplex codes

g^45*x^96 + g^117*x^80 + g^90*x^72 + g^112*x^68 + g^122*x^66 + g^18*x^65 + g^61*x^48 + g^73*x^40 + g^118*x^36 + g^78*x^34 + g^83*x^33 + g^125*x^24 + g^48*x^20 + g^125*x^18 + g^19*x^17 + g^21*x^12 + g^67*x^10 + g^74*x^9 + g^120*x^6 + g^112*x^5 + g^8*x^3

There are 184 candidate simplex codes

g^46*x^96 + g^71*x^80 + g^70*x^72 + g^37*x^68 + g^71*x^66 + g^48*x^65 + g^69*x^48 + g^79*x^40 + g^79*x^36 + g^66*x^34 + g^14*x^33 + g^71*x^24 + g^2*x^20 + g^18*x^18 + g^111*x^17 + g^72*x^12 + g^55*x^10 + g^83*x^9 + g^25*x^6 + g^62*x^5 + g^63*x^3

There are 232 candidate simplex codes

g^3*x^96 + g^114*x^80 + g^88*x^72 + g^104*x^68 + g^108*x^66 + g^35*x^65 + g^104*x^48 + g^2*x^40 + g^89*x^36 + g^114*x^34 + g^23*x^33 + g^122*x^24 + g^88*x^20 + g^84*x^18 + g^99*x^17 + g^61*x^12 + g^105*x^10 + g^30*x^9 + g^18*x^6 + g^27*x^5 + g^54*x^3

There are 188 candidate simplex codes

g^39*x^96 + g^94*x^80 + g^48*x^72 + g^87*x^68 + g^91*x^66 + g^66*x^65 + g^35*x^48 + g^48*x^40 + g^79*x^36 + g^115*x^34 + g^115*x^33 + g^46*x^24 + g^121*x^20 + g^70*x^18 + g^59*x^17 + g^111*x^12 + g^59*x^10 + g^85*x^9 + g^80*x^6 + g^108*x^5 + g^95*x^3

There are 232 candidate simplex codes

g^51*x^96 + g^97*x^80 + g^108*x^72 + g^30*x^68 + g^5*x^66 + g^71*x^65 + g^17*x^48 + g^15*x^40 + g^86*x^36 + g^50*x^34 + g^50*x^33 + g^53*x^24 + g^7*x^20 + g^110*x^18 + g^72*x^17 + g^56*x^12 + g^26*x^10 + g^109*x^9 + g^109*x^6 + g^123*x^5 + g^122*x^3

There are 192 candidate simplex codes

g^58*x^96 + g^51*x^80 + g^73*x^72 + g^115*x^68 + g^60*x^66 + g^9*x^65 + g^90*x^48 + g^90*x^40 + g^26*x^36 + g^11*x^34 + g^103*x^33 + g^6*x^24 + g^122*x^20 + g^85*x^18 + g^85*x^17 + g^80*x^12 + g^85*x^10 + g^104*x^9 + g^64*x^6 + g^102*x^5 + g^20*x^3

There are 256 candidate simplex codes

g^121*x^96 + g^85*x^80 + x^72 + g^107*x^68 + g^93*x^66 + g^117*x^65 + g^85*x^48 + g^116*x^40 + g^82*x^36 + g^6*x^34 + g^29*x^33 + g^95*x^24 + g^31*x^20 + g^60*x^18 + g^119*x^17 + g^45*x^12 + g^29*x^10 + g^83*x^9 + g^109*x^6 + g^73*x^5 + g^81*x^3

There are 192 candidate simplex codes

g^14*x^96 + g^111*x^80 + g^72*x^72 + g^93*x^68 + g^83*x^66 + g^7*x^65 + g^111*x^48 + g^101*x^40 + g^88*x^36 + g^81*x^34 + g^43*x^33 + g^47*x^24 + g^74*x^20 + g^123*x^18 + g^82*x^17 + g^60*x^12 + g^101*x^10 + g^118*x^9 + g^6*x^6 + g^63*x^5 + g^57*x^3

There are 216 candidate simplex codes

g^74*x^96 + g^78*x^80 + g^99*x^72 + g^54*x^68 + g^116*x^66 + g^9*x^65 + g^110*x^48 + g^91*x^40 + g^41*x^36 + g^122*x^34 + g^37*x^33 + g^101*x^24 + g^97*x^20 + g^53*x^18 + g^20*x^17 + g^25*x^12 + g^102*x^10 + g^110*x^9 + g^67*x^6 + g^106*x^5 + g^79*x^3

There are 236 candidate simplex codes

g^37*x^96 + g^108*x^80 + g^106*x^72 + g^83*x^68 + g^103*x^66 + g^40*x^65 + g^3*x^48 + g^26*x^40 + g^47*x^36 + g^6*x^34 + g^11*x^33 + g^88*x^24 + g^100*x^20 + g^82*x^18 + g^55*x^17 + g^97*x^12 + g^92*x^10 + g^2*x^9 + g^21*x^6 + g^81*x^5 + g^84*x^3

There are 212 candidate simplex codes

g^84*x^96 + g^12*x^80 + g^16*x^72 + g^110*x^68 + g^60*x^66 + x^65 + g^109*x^48 + g^84*x^40 + g^61*x^36 + g^126*x^34 + g^70*x^33 + g^85*x^24 + g^8*x^20 + g^59*x^18 + g^94*x^17 + g^34*x^12 + g^105*x^10 + g^99*x^9 + g^41*x^6 + g^108*x^5 + g*x^3

There are 224 candidate simplex codes

g^34*x^96 + g^26*x^80 + g^81*x^72 + g^95*x^68 + g^5*x^66 + g^5*x^65 + g^67*x^48 + g^48*x^40 + g^91*x^36 + g^124*x^34 + g^72*x^33 + g^26*x^24 + g^55*x^20 + g^48*x^18 + g^29*x^17 + g^28*x^12 + g^9*x^10 + g^51*x^9 + g*x^6 + g^91*x^5 + g^120*x^3

There are 216 candidate simplex codes

g^89*x^96 + g^100*x^80 + g^81*x^72 + g^26*x^68 + g^42*x^66 + g^125*x^65 + g^85*x^48 + g^108*x^40 + g^3*x^36 + g^114*x^34 + g^120*x^33 + g^8*x^24 + g^111*x^18 + g^65*x^17 + g^16*x^12 + g^66*x^10 + g^91*x^9 + g^30*x^6 + g^85*x^5 + g^11*x^3

There are 196 candidate simplex codes

g^104*x^96 + g^46*x^80 + g^54*x^72 + g^34*x^68 + g^99*x^66 + g^31*x^65 + g^38*x^48 + g^69*x^40 + g^96*x^36 + g^52*x^34 + g^87*x^33 + g^41*x^24 + g^12*x^20 + g^30*x^18 + g^53*x^17 + g^100*x^12 + g*x^10 + g^8*x^9 + g^7*x^6 + g^120*x^5 + g^55*x^3

There are 220 candidate simplex codes

g^35*x^96 + g^65*x^80 + g^111*x^72 + g^60*x^68 + g^119*x^66 + g^34*x^65 + g^66*x^48 + g^68*x^40 + g^69*x^36 + g^84*x^34 + g^117*x^33 + g^91*x^24 + g^23*x^20 + g^65*x^18 + g^55*x^17 + g^34*x^12 + g^107*x^10 + g^42*x^9 + g^45*x^6 + g^44*x^5 + g^70*x^3

There are 196 candidate simplex codes

g^62*x^96 + g^110*x^80 + g^41*x^72 + g^7*x^68 + g^126*x^66 + g^9*x^65 + g^36*x^48 + g^74*x^40 + g^51*x^36 + g^39*x^34 + g^121*x^33 + g^27*x^24 + g^122*x^20 + g^56*x^18 + g^29*x^17 + g^48*x^12 + g^69*x^10 + g^107*x^9 + g^11*x^6 + g^34*x^5 + g^13*x^3

There are 208 candidate simplex codes

g^95*x^96 + g^2*x^80 + g^36*x^72 + g^53*x^68 + g^5*x^66 + g^53*x^65 + g^121*x^48 + g^94*x^40 + g^104*x^36 + g^8*x^34 + g^87*x^33 + g^67*x^24 + g^74*x^20 + g^125*x^18 + g^82*x^17 + g^61*x^12 + g^118*x^10 + g^67*x^9 + g^90*x^6 + x^5 + g^124*x^3

There are 184 candidate simplex codes

g^4*x^96 + g^71*x^80 + g^32*x^72 + g*x^68 + g^50*x^66 + x^65 + g^5*x^48 + g^8*x^40 + g^83*x^36 + g^126*x^34 + g^123*x^33 + g^65*x^24 + g^44*x^20 + g^119*x^18 + g^35*x^17 + g^35*x^12 + g^78*x^10 + g^72*x^9 + g*x^6 + g^119*x^5 + g^64*x^3

There are 204 candidate simplex codes

g^31*x^96 + g^17*x^80 + g^8*x^72 + g^18*x^68 + g^88*x^66 + g^10*x^65 + g^122*x^48 + g^76*x^40 + g^18*x^36 + g^90*x^34 + g^69*x^33 + g^82*x^24 + g^103*x^20 + g^28*x^18 + g^109*x^17 + g^105*x^12 + g^22*x^9 + g^31*x^6 + g^44*x^5 + g^112*x^3

There are 196 candidate simplex codes

g^19*x^96 + g^94*x^80 + g^104*x^72 + g^88*x^68 + g^115*x^66 + g^122*x^65 + x^48 + g*x^40 + g^116*x^36 + g^68*x^34 + g^31*x^33 + g^73*x^24 + g^93*x^20 + g^46*x^18 + g^87*x^17 + g^80*x^12 + g^101*x^10 + g^15*x^9 + g^121*x^6 + g^52*x^5 + g^84*x^3

There are 228 candidate simplex codes

g^93*x^96 + g^88*x^80 + g^74*x^72 + g^120*x^68 + g^51*x^66 + g^4*x^65 + g^93*x^48 + g^124*x^40 + g^34*x^36 + g^64*x^34 + g^60*x^33 + g^2*x^24 + g^80*x^20 + g^5*x^18 + g^49*x^17 + g^110*x^12 + g^17*x^10 + g^105*x^9 + g^90*x^6 + g^70*x^5 + g^56*x^3

There are 236 candidate simplex codes

g^23*x^96 + g^114*x^80 + g^64*x^72 + g^83*x^68 + g^61*x^66 + g^23*x^65 + g^123*x^48 + g^95*x^40 + g^14*x^36 + g^27*x^34 + g^125*x^33 + g^14*x^24 + g^110*x^20 + g^72*x^18 + g^7*x^17 + g^43*x^12 + g^67*x^10 + g^48*x^9 + g^121*x^6 + g^18*x^5 + g^89*x^3

There are 232 candidate simplex codes

g^96*x^96 + g^69*x^80 + g^44*x^72 + g^71*x^68 + g^53*x^66 + g^72*x^65 + g^76*x^48 + g^113*x^40 + g^39*x^36 + g^111*x^34 + g^111*x^33 + g^111*x^24 + g^49*x^20 + g^27*x^18 + g^67*x^17 + g^68*x^12 + g^79*x^10 + g^12*x^9 + g^5*x^6 + g^3*x^5 + g^50*x^3

There are 200 candidate simplex codes

g^118*x^96 + g^110*x^80 + g^46*x^72 + g^77*x^68 + g^126*x^66 + g^10*x^65 + g^6*x^48 + g^101*x^40 + g^71*x^36 + g^80*x^34 + g^19*x^33 + g^7*x^24 + g^23*x^20 + g^112*x^18 + g^102*x^17 + g^114*x^12 + g^38*x^10 + g^118*x^9 + g^112*x^6 + g^96*x^5 + g^30*x^3

There are 188 candidate simplex codes

g^3*x^96 + g^48*x^80 + g^4*x^72 + g^73*x^68 + g^89*x^66 + g^83*x^65 + g^57*x^48 + g^47*x^40 + g^84*x^36 + g^120*x^34 + g^10*x^33 + g^49*x^24 + g^100*x^20 + g^34*x^18 + g^123*x^17 + g^126*x^12 + g^25*x^10 + g^25*x^6 + g^16*x^5 + g^7*x^3
There are 224 candidate simplex codes
g^41*x^96 + g^108*x^80 + g^40*x^72 + g^54*x^68 + g^28*x^66 + g^36*x^65 + g^46*x^48 + g^8*x^40 + g^77*x^36 + g^32*x^34 + g^76*x^33 + g^70*x^24 + g^72*x^20 + g^35*x^18 + g^32*x^17 + g^5*x^12 + g^31*x^10 + g^61*x^9 + g^27*x^6 + g^75*x^5 + g^95*x^3
There are 228 candidate simplex codes
g^103*x^96 + g^80*x^80 + g^86*x^72 + g^26*x^68 + g^68*x^66 + g^80*x^65 + g^9*x^48 + g^71*x^40 + g^96*x^36 + g^11*x^34 + g^69*x^33 + g^5*x^24 + g^62*x^20 + g^50*x^18 + g^68*x^17 + g^22*x^12 + g^74*x^10 + g^51*x^9 + g^97*x^6 + g^88*x^5 + g^7*x^3
There are 220 candidate simplex codes
g^5*x^96 + g^6*x^80 + g^85*x^72 + g^46*x^68 + g^102*x^66 + g^20*x^65 + g^17*x^48 + g^45*x^40 + g^63*x^36 + g^49*x^34 + g^57*x^33 + g^51*x^24 + g^31*x^20 + g^7*x^18 + g^110*x^17 + g^107*x^12 + g^114*x^10 + g^2*x^9 + g^108*x^6 + g^95*x^5 + g^76*x^3
There are 216 candidate simplex codes
g^33*x^96 + g^121*x^80 + g^7*x^72 + g^36*x^68 + g^16*x^66 + g^125*x^65 + g^2*x^48 + g^64*x^40 + g^14*x^36 + g^47*x^34 + g^68*x^33 + g^120*x^24 + g^21*x^20 + g^51*x^18 + g^10*x^17 + g^92*x^12 + g^84*x^10 + g^117*x^9 + g^4*x^6 + g^36*x^5 + g^48*x^3
There are 284 candidate simplex codes
g^100*x^96 + g^64*x^80 + g^4*x^72 + g^73*x^68 + g^50*x^66 + g^110*x^65 + g^29*x^48 + g^11*x^40 + g^124*x^36 + g^46*x^34 + g^88*x^33 + g^46*x^24 + g^99*x^20 + g^59*x^18 + g^46*x^17 + g^80*x^12 + g^56*x^10 + g^93*x^9 + g^122*x^6 + g^31*x^5 + g^51*x^3
There are 320 candidate simplex codes
g^50*x^96 + g^40*x^80 + g^4*x^72 + g^58*x^68 + g^31*x^66 + g^112*x^65 + g^57*x^48 + g^59*x^40 + g^97*x^36 + g^56*x^34 + g^18*x^33 + g^60*x^24 + g^6*x^20 + g^117*x^18 + g^84*x^17 + g^47*x^12 + g^86*x^10 + g^100*x^9 + g^48*x^6 + g^105*x^5 + g^102*x^3
There are 208 candidate simplex codes
g^55*x^96 + g^106*x^80 + g^81*x^72 + g^30*x^68 + g^32*x^66 + g^120*x^65 + g^53*x^48 + g^8*x^40 + g^76*x^36 + g^39*x^34 + g^40*x^33 + g^76*x^24 + g^48*x^20 + g^38*x^18 + g^23*x^17 + g^91*x^12 + g^78*x^10 + g^46*x^9 + g^119*x^6 + g^115*x^5 + g^58*x^3
There are 212 candidate simplex codes
g^104*x^96 + g^34*x^80 + g^22*x^72 + g^83*x^68 + g^45*x^66 + g^26*x^65 + g^88*x^48 + g^34*x^40 + g^9*x^36 + g^50*x^34 + g^33*x^33 + g^100*x^24 + g^50*x^20 + g^29*x^18 + g^120*x^17 + g^122*x^12 + g^82*x^10 + g^68*x^9 + g^79*x^6 + g^50*x^5 + g^14*x^3
There are 244 candidate simplex codes
g^121*x^96 + g^7*x^80 + g^80*x^72 + g^27*x^68 + g^40*x^66 + g^74*x^65 + x^48 + g^50*x^40 + g^110*x^36 + g*x^34 + g^107*x^33 + g^113*x^24 + g^17*x^20 + g^121*x^18 + g^95*x^17 + g^99*x^12 + g^78*x^10 + g^121*x^9 + g^26*x^6 + g^63*x^5 + g^22*x^3
There are 264 candidate simplex codes
g^60*x^96 + g^80*x^80 + g^102*x^72 + g^104*x^68 + g^91*x^66 + g^76*x^65 + g^93*x^48 + g^103*x^40 + g^46*x^36 + g^66*x^34 + g^48*x^33 + g^62*x^24 + g^40*x^20 + g^2*x^18 + g^41*x^17 + g^30*x^12 + g^97*x^10 + g^76*x^9 + g^81*x^6 + g^111*x^5 + g^75*x^3
There are 196 candidate simplex codes
g^52*x^96 + g^60*x^80 + g^16*x^72 + g^122*x^68 + g^86*x^66 + g^120*x^65 + g^43*x^48 + g^126*x^40 + g^53*x^36 + g^88*x^34 + g^71*x^33 + g^96*x^24 + g^48*x^20 + g^35*x^18 + g^40*x^17 + g^121*x^12 + g^62*x^10 + g^103*x^9 + g^34*x^6 + g^45*x^5 + g^64*x^3
There are 244 candidate simplex codes
g^18*x^96 + g^29*x^80 + g^6*x^72 + g^39*x^68 + g^98*x^66 + g^26*x^65 + g^66*x^48 + g^119*x^40 + g^25*x^36 + g^122*x^34 + g^56*x^33 + g^124*x^24 + g^68*x^20 + g^30*x^18 + g^82*x^17 + g^100*x^12 + g^85*x^10 + g^36*x^9 + g^50*x^6 + g^55*x^5 + g^77*x^3
There are 224 candidate simplex codes
g^100*x^96 + g^104*x^80 + g^46*x^72 + g^92*x^68 + g^80*x^66 + g^39*x^65 + g^63*x^48 + g^76*x^40 + g^27*x^36 + g^8*x^34 + g^106*x^33 + g^56*x^24 + g^28*x^20 + g^2*x^18 + g^75*x^17 + g^12*x^12 + g^68*x^10 + g^17*x^9 + g^76*x^6 + g^109*x^5 + g^50*x^3
There are 260 candidate simplex codes
g^75*x^96 + g^87*x^80 + g^56*x^72 + g^4*x^68 + g^7*x^66 + g^117*x^65 + g^116*x^48 + g^10*x^40 + g^55*x^36 + g^43*x^34 + g^9*x^33 + g^103*x^24 + g^90*x^20 + g^33*x^18 + g^126*x^17 + g^109*x^12 + g^68*x^10 + g^48*x^9 + g^80*x^6 + g^101*x^5 + g^93*x^3
There are 204 candidate simplex codes
g^35*x^96 + g^27*x^80 + g^21*x^72 + g^79*x^68 + g^88*x^66 + g^32*x^65 + g^77*x^48 + g^16*x^40 + g^93*x^36 + g^45*x^34 + g^112*x^33 + g^121*x^24 + g^30*x^20 + g^44*x^18 + g^2*x^17 + g^100*x^12 + g^111*x^10 + g^67*x^9 + g^71*x^6 + g^72*x^5 + g^86*x^3
There are 216 candidate simplex codes
g^79*x^96 + g^32*x^80 + g^7*x^72 + g^71*x^68 + g^105*x^66 + g^86*x^65 + g^94*x^48 + g^25*x^40 + g^58*x^36 + g^122*x^34 + g^24*x^33 + g^38*x^24 + g^76*x^20 + g^68*x^18 + g^125*x^17 + g^114*x^12 + g^115*x^10 + g^90*x^9 + g^101*x^6 + g^96*x^5 + g^88*x^3
There are 240 candidate simplex codes
g^22*x^96 + g^85*x^80 + g^104*x^72 + g^23*x^68 + g^49*x^66 + g^28*x^65 + g^55*x^48 + g^11*x^40 + g^40*x^36 + g^81*x^34 + g^62*x^33 + g^49*x^24 + g^39*x^20 + g^69*x^18 + g^7*x^17 + g^114*x^12 + g^50*x^10 + g^79*x^9 + g^118*x^6 + g^33*x^5 + g^88*x^3
There are 208 candidate simplex codes
g^2*x^96 + g^100*x^80 + g^110*x^72 + g^105*x^68 + g^25*x^66 + g^67*x^65 + g^4*x^48 + g^114*x^40 + g^82*x^36 + g^97*x^34 + g^112*x^33 + g^54*x^24 + g^126*x^20 + g^108*x^18 + g^67*x^17 + g^21*x^12 + g^82*x^10 + g^18*x^9 + g^76*x^6 + g^111*x^5 + g^91*x^3
There are 216 candidate simplex codes
g^17*x^96 + g^4*x^80 + g^32*x^72 + g^13*x^68 + g^39*x^66 + g^117*x^65 + g^17*x^48 + g^51*x^40 + g^103*x^36 + g^100*x^34 + g^105*x^33 + g^22*x^24 + g^82*x^20 + g^70*x^18 + g^101*x^17 + g^94*x^12 + g^109*x^10 + g^33*x^9 + g^40*x^6 + g^31*x^5 + g^75*x^3
There are 212 candidate simplex codes
g^7*x^96 + g^107*x^80 + g^91*x^72 + g^5*x^68 + g^33*x^66 + g^55*x^65 + g^46*x^48 + g^28*x^40 + g^16*x^36 + g^49*x^34 + g^120*x^33 + g^102*x^24 + g^100*x^20 + g^30*x^18 + g^93*x^17 + g^120*x^12 + g^111*x^9 + g^115*x^6 + g^20*x^5 + g^103*x^3
There are 204 candidate simplex codes
g^36*x^96 + g^120*x^80 + g^18*x^72 + g^94*x^68 + g^2*x^66 + g^56*x^65 + g^28*x^48 + g^75*x^40 + g^21*x^36 + g^96*x^34 + g^78*x^33 + g^102*x^24 + g^33*x^20 + g^74*x^18 + g^112*x^17 + g^110*x^12 + g^54*x^10 + g^86*x^9 + g^113*x^6 + g^94*x^5 + g^46*x^3
There are 232 candidate simplex codes
g^81*x^96 + g^121*x^80 + g^79*x^72 + g^102*x^68 + g^80*x^66 + g^99*x^65 + g^27*x^48 + g^30*x^40 + g^83*x^36 + g^20*x^34 + g^100*x^33 + g^61*x^24 + g^39*x^20 + g^33*x^18 + g^80*x^17 + g^84*x^12 + g^39*x^10 + g^124*x^9 + g^80*x^6 + g^121*x^5 + g^90*x^3
There are 240 candidate simplex codes
g^82*x^96 + g^116*x^80 + g^104*x^72 + g^38*x^68 + g^31*x^66 + g^80*x^65 + g^49*x^48 + g^82*x^40 + g^72*x^36 + g^107*x^34 + g^92*x^33 + g^28*x^24 + g^63*x^20 + g^20*x^18 + g^2*x^17 + g^100*x^12 + g^45*x^10 + g^76*x^9 + g^92*x^6 + g^8*x^5 + g^108*x^3
There are 236 candidate simplex codes
g^121*x^96 + g^16*x^80 + g^49*x^72 + g^32*x^68 + g^27*x^66 + g^88*x^65 + g^33*x^48 + g^99*x^40 + g^31*x^36 + x^34 + g^44*x^33 + g^96*x^24 + g^77*x^20 + g^84*x^18 + g^17*x^17 + g^34*x^12 + g^40*x^10 + g^103*x^9 + g^119*x^6 + g^56*x^5
There are 224 candidate simplex codes
g^35*x^96 + g^32*x^80 + g^100*x^72 + g^78*x^68 + g^38*x^66 + g^122*x^65 + g*x^48 + g^28*x^40 + g^66*x^36 + g^57*x^34 + g^98*x^33 + g^22*x^24 + g^117*x^20 + g^108*x^18 + g^9*x^17 + g^37*x^12 + g^69*x^10 + g^34*x^9 + g^96*x^6 + g^66*x^5 + g^62*x^3
There are 212 candidate simplex codes
g^6*x^96 + g^34*x^80 + g^28*x^72 + g^76*x^68 + g^90*x^66 + g^79*x^65 + g^39*x^48 + g^99*x^40 + g^89*x^36 + g^41*x^34 + g^80*x^33 + g^64*x^24 + g^93*x^20 + g^77*x^18 + g^62*x^17 + g^24*x^12 + g^87*x^10 + g^111*x^6 + g^63*x^5 + g^76*x^3
There are 224 candidate simplex codes
g^91*x^96 + g^3*x^80 + g^95*x^72 + g^101*x^68 + g^46*x^66 + g^81*x^65 + g^20*x^48 + g^16*x^40 + g^15*x^36 + g^104*x^34 + g^98*x^33 + g^81*x^24 + g^51*x^20 + g^98*x^18 + g^30*x^17 + g^36*x^12 + g^116*x^10 + g^22*x^9 + g^28*x^6 + g^28*x^5 + g^78*x^3
There are 188 candidate simplex codes
g*x^96 + g^65*x^80 + g^78*x^72 + g^17*x^68 + g^18*x^66 + g^95*x^65 + g^59*x^48 + g^70*x^40 + g^110*x^36 + g^46*x^34 + g^61*x^33 + g^3*x^24 + g^116*x^20 + g^5*x^18 + g^11*x^17 + g^5*x^12 + g^82*x^10 + g^25*x^9 + g^40*x^6 + g^102*x^3
There are 220 candidate simplex codes
g^50*x^96 + g^102*x^80 + g^107*x^72 + g^11*x^68 + g^42*x^66 + g^96*x^65 + g^116*x^48 + g^41*x^40 + g^112*x^36 + g^33*x^34 + g^42*x^33 + g^55*x^24 + g^81*x^20 + g^20*x^18 + g^76*x^17 + g^70*x^12 + g^30*x^10 + g^65*x^9 + g*x^6 + g^36*x^5 + g^101*x^3
There are 220 candidate simplex codes
g^61*x^96 + g^24*x^80 + g^41*x^72 + g^83*x^68 + g^13*x^66 + g^101*x^65 + g^29*x^48 + g^124*x^40 + g^23*x^36 + g^103*x^34 + g^59*x^33 + g^24*x^24 + g^86*x^20 + g^84*x^18 + g^84*x^17 + g^47*x^12 + g^8*x^10 + g^102*x^9 + g^13*x^6 + g^24*x^5 + g^82*x^3
There are 236 candidate simplex codes
g^52*x^96 + g^26*x^80 + g^18*x^72 + g^99*x^68 + g^14*x^66 + g^77*x^65 + g^81*x^48 + g^20*x^40 + g^98*x^34 + g^33*x^33 + g^21*x^24 + g^61*x^20 + g^117*x^18 + x^17 + g^92*x^12 + g^11*x^10 + g^4*x^9 + g^27*x^6 + g^42*x^5 + g^105*x^3
There are 220 candidate simplex codes
g^94*x^96 + g^79*x^80 + g^94*x^72 + g^19*x^68 + g^43*x^66 + g^97*x^65 + g^91*x^48 + g^3*x^40 + g^70*x^36 + g^83*x^34 + g^62*x^33 + x^24 + g^51*x^20 + g^36*x^18 + g^107*x^17 + g^32*x^12 + g^94*x^10 + g^116*x^9 + g^119*x^6 + g^14*x^5 + g^36*x^3
There are 228 candidate simplex codes
g^55*x^96 + g^86*x^80 + g^46*x^72 + g^26*x^68 + g^12*x^66 + g^115*x^65 + g^58*x^48 + g^97*x^40 + g^108*x^36 + g^108*x^34 + g^57*x^33 + g^9*x^24 + g^34*x^20 + g^102*x^18 + g^87*x^17 + g^28*x^12 + g^114*x^10 + g^103*x^9 + g^58*x^6 + g^16*x^5 + g^54*x^3
There are 192 candidate simplex codes
g^78*x^96 + g^48*x^80 + g^54*x^72 + g^13*x^68 + g^80*x^66 + g^23*x^65 + g^35*x^48 + g^62*x^40 + g^119*x^36 + g^16*x^34 + g^97*x^33 + g^74*x^24 + g^118*x^20 + g^111*x^18 + g^114*x^17 + g^100*x^12 + g^101*x^10 + g*x^9 + g^72*x^6 + g^86*x^5 + g*x^3
There are 208 candidate simplex codes
g^111*x^96 + g^85*x^80 + g^85*x^72 + g^70*x^68 + g^85*x^66 + g^62*x^65 + g^30*x^48 + g^91*x^40 + g^122*x^36 + g^94*x^34 + g^64*x^33 + g^85*x^24 + g^98*x^20 + g^57*x^18 + g^58*x^17 + g^78*x^12 + g^56*x^10 + g^68*x^9 + g^53*x^6 + g^57*x^5 + g^46*x^3
There are 228 candidate simplex codes

g^17*x^96 + g^42*x^80 + g^36*x^72 + g^98*x^68 + g^11*x^66 + g^119*x^65 + g^105*x^48 + g^70*x^40 + g^83*x^36 + g^78*x^34 + g^30*x^33 + g^28*x^24 + g^109*x^20 + g^5*x^18 + g^82*x^17 + g^80*x^12 + g^73*x^10 + g^60*x^9 + g^52*x^6 + g^80*x^5 + g^64*x^3
There are 204 candidate simplex codes
x^96 + g^112*x^80 + g^77*x^72 + g^64*x^68 + g^52*x^66 + g^103*x^65 + g^55*x^48 + g^5*x^40 + g^108*x^36 + g^110*x^34 + g*x^33 + g^78*x^24 + g^78*x^20 + g^71*x^18 + g^51*x^17 + x^12 + g^48*x^10 + g^11*x^9 + g^32*x^6 + g^52*x^5 + g^95*x^3
There are 260 candidate simplex codes
g^52*x^96 + g^50*x^80 + g^45*x^72 + g^123*x^68 + g^76*x^66 + g^67*x^65 + g^96*x^48 + g^70*x^40 + g^79*x^36 + g^91*x^34 + g^55*x^33 + g^25*x^24 + g^44*x^20 + g^64*x^18 + g^64*x^17 + g^66*x^12 + g^84*x^10 + g^116*x^9 + g^121*x^6 + g^51*x^5 + g^86*x^3
There are 184 candidate simplex codes
g^74*x^96 + g*x^80 + g^64*x^72 + g^70*x^68 + g^26*x^66 + g^47*x^65 + g^94*x^48 + g^64*x^40 + g^57*x^36 + g^53*x^34 + g^11*x^33 + g*x^24 + g^47*x^20 + g^10*x^18 + g^70*x^17 + g^64*x^12 + g^86*x^10 + g^41*x^9 + g*x^6 + g^63*x^5 + g^30*x^3
There are 208 candidate simplex codes
g^75*x^96 + g^20*x^80 + g^126*x^72 + g^75*x^68 + g^110*x^66 + g^42*x^65 + g^29*x^48 + g^81*x^40 + g^33*x^36 + g^120*x^34 + g^23*x^33 + g^93*x^24 + g^76*x^20 + g^120*x^18 + g^82*x^17 + g^120*x^12 + g^67*x^10 + g^83*x^9 + g^67*x^6 + g^94*x^5 + g^60*x^3
There are 196 candidate simplex codes
g^58*x^96 + g^103*x^80 + g^16*x^72 + g^15*x^68 + g^99*x^66 + g^62*x^65 + g^56*x^48 + g^94*x^40 + g^25*x^36 + g^75*x^34 + g^71*x^33 + g^80*x^24 + g^63*x^20 + g^52*x^18 + g^102*x^17 + g^3*x^12 + g^16*x^10 + g^51*x^9 + g^62*x^6 + g^78*x^5 + g^124*x^3
There are 252 candidate simplex codes
g^92*x^96 + g^61*x^80 + g^78*x^72 + g^42*x^68 + g^84*x^66 + g^107*x^65 + g^60*x^48 + g^22*x^40 + g^32*x^36 + g^41*x^34 + g^54*x^33 + g^2*x^24 + g^96*x^20 + g^2*x^18 + g^56*x^17 + g^65*x^12 + g^107*x^10 + g^3*x^9 + g^111*x^6 + g^125*x^5 + g^58*x^3
There are 204 candidate simplex codes
g^29*x^96 + g^96*x^80 + g^3*x^72 + g^39*x^68 + g^102*x^66 + g^10*x^65 + g^26*x^48 + g^17*x^40 + g^6*x^36 + g^62*x^34 + g^118*x^33 + g^6*x^24 + g^55*x^20 + g^35*x^18 + g^54*x^17 + g^30*x^12 + g^4*x^10 + g^70*x^9 + g^82*x^6 + g^24*x^5 + g^106*x^3
There are 212 candidate simplex codes
g^48*x^96 + g^6*x^80 + g^47*x^72 + g^42*x^68 + g^12*x^66 + g^109*x^65 + g^101*x^48 + g^21*x^40 + g^112*x^36 + g^72*x^34 + g^45*x^33 + g^106*x^24 + g^100*x^20 + g^62*x^18 + g^125*x^17 + g^29*x^12 + g^94*x^10 + g^110*x^9 + g^80*x^6 + g^29*x^5 + g^74*x^3
There are 208 candidate simplex codes
g^75*x^96 + g^121*x^80 + g^76*x^72 + g^76*x^68 + g^120*x^66 + g^107*x^65 + g^29*x^48 + g^49*x^40 + g^13*x^36 + g^95*x^34 + g^2*x^33 + g^94*x^24 + g^106*x^20 + g^81*x^18 + g^47*x^17 + g^5*x^12 + g^112*x^10 + g^101*x^9 + g^15*x^6 + g^79*x^5 + g^82*x^3
There are 212 candidate simplex codes
g^6*x^96 + g^7*x^80 + g^63*x^72 + g^97*x^68 + g^19*x^66 + g^17*x^65 + g^47*x^48 + g^17*x^40 + g^53*x^36 + g^74*x^34 + g^48*x^33 + g^123*x^24 + g^24*x^20 + g^40*x^18 + g^79*x^17 + g^112*x^12 + g^106*x^10 + g^28*x^9 + g^83*x^6 + g^15*x^5 + g^61*x^3
There are 244 candidate simplex codes
g^46*x^96 + g^9*x^80 + g^57*x^72 + g^49*x^68 + g^49*x^66 + g^19*x^65 + g^44*x^48 + g^13*x^40 + g^81*x^36 + g^114*x^34 + g^57*x^33 + g^97*x^24 + g^60*x^20 + g^38*x^18 + g^96*x^17 + g^54*x^12 + g^122*x^10 + g^16*x^9 + g^87*x^6 + g^94*x^5 + g^112*x^3
There are 240 candidate simplex codes
g^86*x^96 + g*x^80 + g^23*x^72 + g^48*x^68 + g^32*x^66 + g^97*x^65 + g^67*x^48 + g^111*x^40 + g^103*x^36 + g^85*x^34 + g^99*x^33 + g^6*x^24 + g^120*x^20 + g^34*x^18 + g^62*x^17 + g^38*x^12 + g^120*x^10 + g^101*x^9 + g^17*x^6 + g^11*x^5 + g^16*x^3
There are 188 candidate simplex codes
g^19*x^96 + g^68*x^80 + g^113*x^72 + g^6*x^68 + g^101*x^66 + g^104*x^65 + g^95*x^48 + g^17*x^40 + g^84*x^36 + g^16*x^34 + g^25*x^33 + g^97*x^24 + g^61*x^20 + g^104*x^18 + g^104*x^17 + g^93*x^12 + g^72*x^10 + g^13*x^9 + g^68*x^6 + g^100*x^5 + g^70*x^3
There are 208 candidate simplex codes
g^116*x^96 + g^33*x^80 + g^16*x^72 + g^59*x^68 + g^37*x^66 + g^118*x^65 + g^29*x^48 + g^10*x^40 + g^23*x^36 + g^83*x^34 + g^5*x^33 + g^124*x^24 + g^18*x^20 + g^45*x^18 + g^3*x^17 + g^108*x^12 + g^52*x^10 + g^31*x^9 + g^3*x^6 + g^18*x^5 + g^111*x^3
There are 232 candidate simplex codes
g^6*x^80 + g^86*x^72 + g^64*x^68 + g^91*x^66 + g^113*x^65 + g^81*x^48 + g^126*x^40 + g^123*x^36 + g^36*x^34 + g^99*x^33 + g^25*x^24 + g^4*x^20 + g^38*x^18 + g^118*x^17 + g^81*x^12 + g^19*x^10 + g^70*x^9 + g^45*x^6 + g^24*x^5 + g^36*x^3
There are 192 candidate simplex codes
g^51*x^96 + g^89*x^80 + g^43*x^72 + g^112*x^68 + g^125*x^66 + g^114*x^65 + g^109*x^48 + g^59*x^40 + g^39*x^36 + g^82*x^34 + g^54*x^33 + g^77*x^24 + g^86*x^20 + g^42*x^18 + g^50*x^17 + g^3*x^12 + g^52*x^10 + g^62*x^9 + g^94*x^6 + g^125*x^5 + g^96*x^3
There are 220 candidate simplex codes
g^97*x^96 + g^112*x^80 + g^16*x^72 + g^12*x^68 + g^29*x^66 + g^7*x^65 + g^22*x^48 + g^63*x^40 + g^123*x^36 + g^102*x^34 + g^112*x^33 + g^61*x^24 + g*x^20 + g^110*x^18 + g^123*x^17 + g^67*x^12 + g^5*x^10 + g^14*x^9 + g^90*x^6 + g^8*x^5 + g^64*x^3
There are 220 candidate simplex codes
g^15*x^96 + g^111*x^80 + g^84*x^72 + g^60*x^68 + g^103*x^66 + g^64*x^65 + g^89*x^48 + g^35*x^40 + g^28*x^36 + g^98*x^34 + g^87*x^33 + g^47*x^24 + g^87*x^20 + g^39*x^18 + g^59*x^17 + g^101*x^12 + g^68*x^10 + g^23*x^9 + g^15*x^6 + g^60*x^5 + g^43*x^3
There are 220 candidate simplex codes
g^24*x^96 + g^58*x^80 + g^64*x^72 + g^66*x^68 + g^105*x^66 + g^109*x^65 + g^109*x^48 + g^89*x^40 + g^49*x^36 + g^77*x^34 + g^91*x^33 + g^116*x^24 + g^70*x^20 + g^83*x^18 + g^77*x^17 + g^42*x^12 + g^96*x^10 + g^76*x^9 + x^6 + g^49*x^5 + g^99*x^3
There are 204 candidate simplex codes
g^99*x^96 + g^48*x^80 + g^15*x^72 + g^114*x^68 + g^116*x^66 + g^117*x^65 + g^8*x^48 + g*x^40 + g^88*x^36 + g^68*x^34 + g^47*x^33 + g^64*x^24 + g^81*x^20 + g^45*x^18 + g^62*x^17 + g^88*x^12 + g^94*x^10 + g^23*x^9 + g^116*x^6 + g^62*x^5 + g^26*x^3
There are 212 candidate simplex codes
g^31*x^96 + g^106*x^80 + g^57*x^72 + g^39*x^68 + g^71*x^66 + g^72*x^65 + g^125*x^48 + g^32*x^40 + g^69*x^36 + g^12*x^34 + g^104*x^33 + g^70*x^24 + g^24*x^20 + g^114*x^18 + g^60*x^17 + g^64*x^12 + g^64*x^10 + g^74*x^9 + g^102*x^6 + g^118*x^5 + g^90*x^3
There are 212 candidate simplex codes
g^4*x^96 + g^86*x^80 + g^102*x^72 + g^31*x^68 + g^123*x^66 + g^25*x^65 + g^96*x^48 + g^87*x^40 + g^15*x^36 + g^3*x^34 + g^72*x^33 + g^126*x^24 + g^18*x^20 + g^98*x^18 + g*x^17 + g^33*x^12 + g^58*x^10 + g^85*x^9 + g^79*x^6 + g^87*x^5 + g^86*x^3
There are 204 candidate simplex codes
g^49*x^96 + g^54*x^80 + g^38*x^72 + g^75*x^68 + g^16*x^66 + g^104*x^65 + g^114*x^48 + g^104*x^40 + g^15*x^36 + g^72*x^34 + g^37*x^33 + g^65*x^24 + g^61*x^20 + g^64*x^18 + g^25*x^17 + g^15*x^12 + g^124*x^10 + g^38*x^9 + g^56*x^6 + g^6*x^5 + g^80*x^3
There are 248 candidate simplex codes
g^93*x^96 + g^35*x^80 + g^57*x^72 + g^25*x^68 + g^111*x^66 + g^91*x^65 + g^47*x^48 + g^124*x^40 + g^81*x^36 + g^97*x^34 + g^102*x^33 + g^118*x^24 + g^87*x^20 + g^26*x^18 + g^48*x^17 + g^109*x^12 + g^62*x^10 + g^113*x^9 + g^30*x^6 + g^7*x^5 + g^117*x^3
There are 220 candidate simplex codes
g^45*x^96 + g^57*x^80 + g^49*x^72 + g^124*x^68 + g^90*x^66 + g^15*x^65 + g^70*x^48 + g^113*x^40 + g^85*x^36 + g^49*x^34 + g^20*x^33 + g^79*x^24 + x^20 + g^92*x^18 + x^17 + g^121*x^12 + g^104*x^10 + g^65*x^9 + g^69*x^6 + g^91*x^5 + g^88*x^3
There are 200 candidate simplex codes
g^45*x^96 + g^40*x^80 + g^95*x^72 + g^12*x^68 + g^39*x^66 + g^98*x^65 + g^8*x^48 + g^15*x^40 + g^80*x^36 + g^105*x^34 + g^48*x^33 + g^52*x^24 + g^88*x^20 + g^87*x^18 + g^122*x^17 + g^98*x^12 + g^65*x^10 + g^67*x^6 + g^113*x^5 + g^22*x^3
There are 228 candidate simplex codes
g^123*x^96 + g^124*x^80 + g^110*x^72 + g^50*x^68 + g^9*x^66 + g^10*x^65 + g^86*x^48 + g^107*x^40 + g^64*x^36 + g^90*x^34 + g^98*x^33 + g^41*x^24 + g^125*x^20 + g^122*x^18 + g^53*x^17 + g^44*x^12 + g^112*x^10 + g^86*x^9 + g^26*x^6 + g^12*x^5 + g^68*x^3
There are 248 candidate simplex codes
g^68*x^96 + g^102*x^80 + g^117*x^72 + g^126*x^68 + g^41*x^66 + g^89*x^65 + g^29*x^48 + g^89*x^40 + g^74*x^36 + g^122*x^34 + g^31*x^33 + g^110*x^24 + g^52*x^20 + g^121*x^18 + g^37*x^17 + g^117*x^12 + g^120*x^10 + g^13*x^9 + g^31*x^6 + g^48*x^5 + g^98*x^3
There are 248 candidate simplex codes
g^119*x^96 + g^32*x^80 + g^4*x^72 + g^65*x^68 + g^66*x^66 + g^112*x^65 + g^47*x^48 + g^69*x^40 + g^5*x^36 + g^114*x^34 + g^17*x^33 + g^110*x^24 + g^12*x^20 + g^20*x^18 + g^106*x^17 + g^15*x^12 + g^116*x^10 + g^43*x^9 + g^82*x^6 + g^10*x^5 + g^56*x^3
There are 208 candidate simplex codes
g^74*x^96 + g^103*x^72 + g^33*x^68 + g^47*x^66 + g^62*x^65 + g^38*x^48 + g^64*x^40 + g^46*x^36 + g^36*x^34 + g^84*x^33 + g^61*x^24 + g^21*x^20 + g^89*x^18 + g^58*x^17 + g^42*x^12 + g^13*x^10 + g^111*x^9 + g^24*x^6 + g^61*x^5 + g^18*x^3
There are 288 candidate simplex codes
g^26*x^96 + g^25*x^80 + g^22*x^72 + g^96*x^68 + g^90*x^66 + g^45*x^65 + g^16*x^48 + g^23*x^40 + g^73*x^36 + g^50*x^34 + g^62*x^33 + g^88*x^24 + g^101*x^20 + g^38*x^18 + g^121*x^17 + g^91*x^12 + g^38*x^10 + g^37*x^9 + g^121*x^6 + g^114*x^5 + g^110*x^3
There are 212 candidate simplex codes
g^20*x^96 + g^93*x^80 + g^59*x^72 + g^121*x^68 + g^93*x^66 + g^83*x^65 + g^108*x^48 + g^119*x^40 + g^78*x^36 + g^44*x^34 + g^15*x^33 + g^52*x^24 + g^110*x^20 + g^22*x^18 + g^90*x^17 + g^23*x^12 + g^101*x^10 + g^23*x^9 + g^12*x^6 + g^58*x^5 + g^43*x^3
There are 244 candidate simplex codes
g^11*x^96 + g^110*x^80 + g^25*x^72 + g^38*x^68 + g^38*x^66 + g^76*x^65 + g^6*x^48 + g^17*x^40 + g^118*x^36 + g^73*x^34 + g^97*x^33 + g^72*x^24 + g^106*x^20 + g^70*x^18 + g^43*x^17 + g^21*x^12 + g^24*x^10 + g^50*x^9 + g^77*x^6 + g^125*x^5 + g^69*x^3
There are 232 candidate simplex codes
g^115*x^96 + g^90*x^80 + g^66*x^72 + g^41*x^68 + g^94*x^66 + g^40*x^65 + g^42*x^48 + g^114*x^40 + g^126*x^36 + g^95*x^34 + g^38*x^33 + g^71*x^24 + g^99*x^20 + g^40*x^18 + g^8*x^17 + g^53*x^12 + g^73*x^10 + g^24*x^9 + g^121*x^6 + g^120*x^5 + g^33*x^3
There are 236 candidate simplex codes
g^37*x^96 + g^36*x^80 + g^73*x^72 + g^86*x^68 + g^23*x^66 + g^27*x^65 + g^105*x^48 + g^84*x^40 + g^12*x^36 + g^29*x^34 + g^7*x^33 + g^85*x^24 + g^118*x^20 + g^108*x^18 + g^98*x^17 + g^118*x^12 + g^78*x^10 + g^114*x^9 + g^10*x^6 + g^51*x^5 + g^37*x^3
There are 208 candidate simplex codes

g^97*x^96 + g^114*x^80 + g^113*x^72 + g^43*x^68 + g^73*x^66 + g^92*x^65 + g^125*x^48 + g^125*x^40 + g^52*x^36 + g^56*x^34 + g^4*x^33 + g^59*x^24 + g^42*x^20 + g^52*x^18 + g^94*x^17 + g^88*x^12 + g^97*x^10 + g^31*x^9 + g^4*x^6 + g^115*x^5 + g^106*x^3
There are 196 candidate simplex codes
g^78*x^96 + g^68*x^80 + g^67*x^72 + g^106*x^68 + g^96*x^66 + g^118*x^65 + g^87*x^48 + g^23*x^40 + g^92*x^36 + g^105*x^34 + g^90*x^33 + g^50*x^24 + g^33*x^18 + g^10*x^17 + g^87*x^12 + g^50*x^10 + g^6*x^9 + g^102*x^6 + g^72*x^5 + g^67*x^3
There are 200 candidate simplex codes
g^9*x^96 + g^14*x^80 + g^53*x^72 + g^72*x^68 + g^97*x^66 + g^87*x^65 + g^108*x^48 + g^104*x^40 + g^125*x^36 + g^28*x^34 + g^71*x^33 + g^5*x^24 + g^30*x^20 + g^64*x^18 + g^112*x^17 + g^75*x^12 + g^19*x^10 + g^23*x^9 + g^122*x^6 + g^18*x^5 + g^117*x^3
There are 228 candidate simplex codes
g^75*x^96 + g^35*x^80 + g^101*x^72 + g^65*x^68 + g^68*x^66 + g^3*x^65 + g^90*x^48 + g^33*x^40 + g^13*x^36 + g^103*x^34 + g^26*x^33 + g^53*x^24 + g^81*x^20 + g^85*x^18 + g^86*x^17 + g^109*x^12 + g^72*x^10 + g^114*x^9 + g^30*x^6 + g^29*x^5 + g^46*x^3
There are 244 candidate simplex codes
g^120*x^96 + g^114*x^80 + g^78*x^72 + g^50*x^68 + g^30*x^66 + g^25*x^65 + g^85*x^48 + g^12*x^40 + g^51*x^36 + g^21*x^34 + g^32*x^33 + g^29*x^24 + g^103*x^20 + g^96*x^18 + g^86*x^17 + g^39*x^12 + g^60*x^10 + g^66*x^9 + g^71*x^6 + g^100*x^5 + g^96*x^3
There are 212 candidate simplex codes
g^72*x^96 + g^14*x^80 + g^32*x^72 + x^68 + g^92*x^66 + g^81*x^65 + g^66*x^48 + g^30*x^40 + g^21*x^36 + g^100*x^34 + g^29*x^33 + g^60*x^24 + g^8*x^20 + g^104*x^18 + g^58*x^17 + g^90*x^12 + g^40*x^10 + g^123*x^9 + g^18*x^6 + g^78*x^5 + g^73*x^3
There are 204 candidate simplex codes
g^114*x^96 + g^3*x^80 + g^88*x^72 + g^13*x^68 + g^13*x^66 + g^81*x^65 + g^54*x^48 + g^55*x^40 + g^124*x^36 + g^2*x^34 + g^12*x^33 + g^46*x^24 + x^20 + g^76*x^18 + g^55*x^17 + g^36*x^12 + g^120*x^10 + g^7*x^9 + g^120*x^6 + g^81*x^5 + g^115*x^3
There are 188 candidate simplex codes
g^85*x^96 + g^55*x^80 + g^93*x^72 + g^112*x^68 + g^103*x^66 + g^16*x^65 + g^71*x^48 + g^64*x^40 + g^43*x^36 + g^61*x^34 + g^25*x^33 + g^122*x^24 + g^94*x^20 + g^79*x^18 + g^18*x^17 + g^52*x^12 + g^40*x^10 + g^45*x^9 + g^47*x^6 + g^68*x^5 + g^34*x^3
There are 248 candidate simplex codes
g^56*x^96 + g^85*x^80 + g^50*x^72 + g^56*x^68 + g^67*x^66 + g^124*x^65 + g^101*x^48 + g^97*x^40 + g^119*x^36 + g^41*x^34 + g^71*x^33 + g^84*x^24 + g^113*x^20 + g^119*x^18 + g^22*x^17 + g^37*x^12 + g^13*x^10 + g^35*x^9 + g^74*x^6 + g^82*x^5 + g^91*x^3
There are 204 candidate simplex codes
g^64*x^96 + g^100*x^80 + g^107*x^72 + g^102*x^68 + g^125*x^66 + g^87*x^65 + g^37*x^48 + g^106*x^40 + g^110*x^34 + g^102*x^33 + g^73*x^24 + g^31*x^20 + g^33*x^18 + g^36*x^17 + g^115*x^12 + g^2*x^10 + g^31*x^9 + g^38*x^6 + g^3*x^5 + g^18*x^3
There are 200 candidate simplex codes
g^110*x^96 + g^5*x^80 + g^120*x^72 + g^37*x^68 + g^60*x^66 + g^52*x^48 + g^26*x^40 + g^37*x^36 + g^37*x^34 + g^63*x^33 + g^74*x^24 + g^15*x^20 + g^101*x^18 + g^10*x^17 + g^72*x^12 + g^75*x^10 + g^36*x^9 + g^102*x^6 + g^99*x^5 + g^49*x^3
There are 216 candidate simplex codes
g^121*x^96 + g^111*x^80 + g^6*x^72 + g^32*x^68 + g^118*x^66 + g^69*x^65 + g^3*x^48 + g^21*x^40 + g^96*x^36 + g^57*x^34 + g^111*x^33 + g^124*x^24 + g^81*x^20 + g^28*x^18 + g^102*x^17 + g^85*x^12 + g^122*x^10 + g^25*x^9 + g^101*x^6 + g^117*x^5 + g^34*x^3
There are 224 candidate simplex codes
g^2*x^96 + g^73*x^80 + g^113*x^72 + g^111*x^68 + g^19*x^66 + g^83*x^65 + g^32*x^48 + g^54*x^40 + g^17*x^36 + g^52*x^34 + g^60*x^33 + g^126*x^24 + g^77*x^20 + g^85*x^18 + g^99*x^17 + g^83*x^12 + g^5*x^10 + g^6*x^9 + g^98*x^6 + g^42*x^5 + g^114*x^3
There are 208 candidate simplex codes
g^78*x^96 + g^121*x^80 + g^30*x^72 + g^85*x^68 + g^116*x^66 + g^40*x^65 + g^33*x^48 + g^124*x^40 + g^71*x^36 + g^119*x^34 + g^116*x^33 + g^53*x^24 + g^59*x^20 + g^61*x^18 + g^2*x^17 + g^47*x^12 + g^26*x^10 + g^57*x^9 + g^35*x^6 + g^85*x^5 + g^114*x^3
There are 284 candidate simplex codes
g^10*x^96 + g^70*x^80 + g^99*x^72 + g^69*x^68 + g^49*x^66 + g^25*x^65 + g^48*x^48 + g^100*x^40 + g^96*x^36 + g^64*x^34 + g^49*x^33 + g^105*x^24 + g^11*x^20 + g^108*x^18 + g^44*x^17 + g^12*x^12 + g*x^10 + g^125*x^9 + g^42*x^6 + g^79*x^5 + g^17*x^3
There are 232 candidate simplex codes
g^20*x^96 + g^55*x^80 + g^27*x^72 + g^89*x^68 + g^36*x^66 + g^9*x^65 + g^65*x^48 + g^45*x^40 + g^63*x^36 + g^67*x^34 + g^12*x^33 + g^123*x^24 + g^78*x^20 + g^74*x^18 + g^31*x^17 + g^22*x^12 + g*x^10 + g^4*x^9 + g^58*x^6 + g^124*x^5 + g^56*x^3
There are 196 candidate simplex codes
g^119*x^96 + g^109*x^80 + g^72*x^72 + g^102*x^68 + g^110*x^66 + g^110*x^65 + g^62*x^48 + g^55*x^40 + g^120*x^36 + g^114*x^34 + g^6*x^33 + g^105*x^24 + g^96*x^20 + g^40*x^18 + g^116*x^17 + g^34*x^12 + g^40*x^10 + g^85*x^9 + g^80*x^6 + g^78*x^5 + g^37*x^3
There are 248 candidate simplex codes
g^64*x^96 + g^48*x^80 + g^90*x^72 + g^28*x^68 + g^97*x^66 + g^86*x^65 + g^94*x^48 + g^31*x^40 + g^97*x^36 + g^37*x^34 + g^20*x^33 + g^25*x^24 + g^89*x^20 + g^111*x^18 + x^17 + g^13*x^12 + g^126*x^10 + g^101*x^9 + g^76*x^6 + g^93*x^5 + g^119*x^3
There are 244 candidate simplex codes
g^120*x^96 + g^29*x^72 + g^39*x^68 + g^36*x^66 + g^44*x^65 + g^84*x^48 + g^43*x^40 + g^15*x^36 + g^86*x^34 + g^101*x^33 + g^3*x^24 + g^21*x^20 + g^67*x^18 + g^113*x^17 + g^93*x^12 + g^108*x^10 + g^16*x^9 + g^10*x^6 + g^60*x^5 + g^36*x^3
There are 268 candidate simplex codes
g^27*x^96 + g^14*x^80 + g^51*x^72 + g^13*x^68 + g^101*x^66 + g^101*x^65 + g^88*x^48 + g^2*x^40 + g^65*x^36 + g^68*x^34 + g^73*x^33 + g^94*x^24 + g^90*x^20 + g^97*x^18 + g^98*x^17 + g^125*x^12 + g^89*x^10 + g^105*x^9 + g^93*x^6 + x^5 + g^41*x^3
There are 204 candidate simplex codes
g^126*x^96 + g^54*x^80 + g^21*x^72 + g^19*x^68 + g^2*x^66 + g^124*x^65 + g^50*x^48 + g^75*x^40 + g^116*x^36 + g^109*x^34 + g^21*x^33 + g^36*x^24 + g^14*x^20 + g^57*x^18 + g^72*x^17 + g^121*x^12 + g^45*x^10 + g^30*x^9 + g^2*x^6 + g^82*x^5 + g^117*x^3
There are 212 candidate simplex codes
g^8*x^96 + g^95*x^80 + g^35*x^72 + g^106*x^68 + g^71*x^66 + g^30*x^65 + g^44*x^48 + g^110*x^40 + g^98*x^36 + g^112*x^34 + g^122*x^33 + g^126*x^24 + g^25*x^20 + g^115*x^18 + g^68*x^17 + g^97*x^12 + g^42*x^10 + g^27*x^9 + g^10*x^6 + g^117*x^5 + g^100*x^3
There are 260 candidate simplex codes
g^106*x^96 + g^5*x^80 + g^113*x^72 + g^106*x^68 + g^83*x^66 + g^80*x^65 + g^112*x^48 + g^4*x^40 + g^58*x^36 + x^34 + g^20*x^33 + g^12*x^24 + g^3*x^20 + g^106*x^18 + g^124*x^17 + g^70*x^12 + g^44*x^10 + g^22*x^9 + g^71*x^6 + g^28*x^5 + g^54*x^3
There are 240 candidate simplex codes
g^99*x^96 + g^100*x^80 + g^86*x^72 + g^12*x^68 + g^24*x^66 + g^42*x^65 + g^60*x^48 + g^95*x^40 + g^5*x^36 + g^40*x^34 + g^70*x^33 + g^44*x^24 + g^58*x^20 + g^70*x^18 + g^64*x^17 + g^87*x^12 + g^69*x^10 + g^44*x^9 + g^44*x^6 + g^119*x^5 + g^122*x^3
There are 244 candidate simplex codes
g^119*x^96 + g^5*x^80 + g^23*x^72 + g^6*x^68 + g^120*x^66 + g^85*x^65 + g^48*x^48 + g^72*x^40 + g^89*x^36 + g^103*x^34 + g^10*x^33 + g^25*x^24 + g^56*x^20 + g^43*x^18 + g^113*x^17 + g^63*x^12 + g^102*x^10 + g^28*x^9 + g^107*x^6 + g^2*x^5 + g^100*x^3
There are 232 candidate simplex codes
g^41*x^96 + g^79*x^80 + g^4*x^72 + g^122*x^68 + g^50*x^66 + g^100*x^65 + g^75*x^48 + g^84*x^40 + g^25*x^36 + g^39*x^34 + g^121*x^33 + g^25*x^24 + g^121*x^20 + g^75*x^18 + g^7*x^17 + g^27*x^12 + g^103*x^10 + g^105*x^9 + x^6 + g^98*x^5 + g^64*x^3
There are 220 candidate simplex codes
g^87*x^96 + g^47*x^80 + g^16*x^72 + g^66*x^68 + g^49*x^66 + g^61*x^65 + g^22*x^48 + g^85*x^40 + g^72*x^36 + g^26*x^34 + g^17*x^33 + g^92*x^24 + g^80*x^20 + g^116*x^18 + g^76*x^17 + g^12*x^12 + g^118*x^10 + g^81*x^9 + g^47*x^6 + g^3*x^5 + g^109*x^3
There are 216 candidate simplex codes
g^11*x^96 + g^61*x^80 + g^53*x^72 + g^10*x^68 + g^50*x^66 + g^51*x^65 + g^50*x^48 + g^8*x^36 + g^38*x^34 + g^64*x^33 + g^94*x^24 + g^5*x^20 + g^110*x^18 + g^14*x^17 + g^53*x^12 + g^10*x^10 + g^81*x^9 + g^64*x^6 + g^63*x^5 + g^88*x^3
There are 232 candidate simplex codes
g^113*x^96 + g^21*x^80 + g^32*x^72 + g^31*x^68 + g^64*x^66 + g^57*x^65 + g^106*x^48 + g^9*x^40 + g^54*x^36 + g^21*x^34 + g^82*x^33 + g^3*x^24 + g^73*x^20 + g^65*x^18 + g^30*x^17 + g^20*x^12 + g^52*x^10 + g^36*x^9 + g^103*x^6 + g^77*x^5 + g^63*x^3
There are 248 candidate simplex codes
g^27*x^96 + g^46*x^80 + g^10*x^72 + g^41*x^68 + g^13*x^66 + g^42*x^65 + g^91*x^48 + g^57*x^40 + g^97*x^36 + g^16*x^34 + g^6*x^33 + g^59*x^24 + g^14*x^20 + g^77*x^18 + g^97*x^17 + g^52*x^12 + g^91*x^10 + g^8*x^9 + g^35*x^6 + g^8*x^5 + g^5*x^3
There are 224 candidate simplex codes
g^114*x^96 + g^117*x^80 + g^25*x^72 + g^94*x^68 + g^73*x^66 + g^81*x^65 + g^73*x^48 + g^73*x^40 + g^81*x^36 + g^36*x^34 + g^91*x^33 + g^85*x^24 + g^52*x^20 + g^59*x^18 + g^11*x^17 + g^9*x^12 + g^12*x^10 + g^11*x^9 + g^49*x^6 + g^95*x^5 + g^115*x^3
There are 212 candidate simplex codes
g^69*x^96 + g^92*x^80 + g^43*x^72 + g^111*x^68 + g^107*x^66 + g^84*x^65 + g^57*x^48 + g^98*x^40 + g^102*x^36 + g^2*x^34 + g^75*x^33 + g^17*x^24 + g^72*x^20 + g^7*x^18 + g^82*x^17 + g^95*x^12 + g^105*x^10 + g^51*x^9 + g^80*x^6 + g^63*x^5 + g^117*x^3
There are 260 candidate simplex codes
g^117*x^96 + g^76*x^80 + g^78*x^72 + g^107*x^68 + g^8*x^66 + g^87*x^65 + g^69*x^48 + g^45*x^40 + g^91*x^36 + g^116*x^34 + g^56*x^33 + g^69*x^24 + g^32*x^20 + g^33*x^18 + g^57*x^17 + g^92*x^12 + g^22*x^10 + g^98*x^9 + g^113*x^6 + g^10*x^5 + g^39*x^3
There are 188 candidate simplex codes
g^38*x^96 + g^93*x^80 + g^38*x^72 + g^114*x^68 + g^8*x^66 + g^20*x^65 + g^72*x^48 + g^120*x^40 + g^107*x^36 + g^82*x^34 + g^97*x^33 + g^75*x^24 + x^20 + g^73*x^18 + g^71*x^17 + g^56*x^12 + g^48*x^10 + g^122*x^9 + g^53*x^6 + g^120*x^5 + g^107*x^3
There are 196 candidate simplex codes
g^31*x^96 + g^107*x^80 + g^73*x^72 + g^75*x^68 + g^49*x^66 + g^87*x^65 + g^94*x^48 + g^57*x^40 + g^35*x^36 + g^18*x^34 + g^12*x^33 + g^44*x^24 + g^4*x^20 + g^24*x^18 + g^123*x^17 + g^112*x^12 + g^68*x^10 + g^90*x^9 + g^77*x^6 + g^10*x^5 + g^36*x^3
There are 240 candidate simplex codes
g^126*x^96 + g^8*x^80 + g^105*x^72 + g^104*x^68 + g^34*x^66 + g^47*x^65 + g^79*x^48 + g^46*x^40 + g^5*x^36 + g^96*x^34 + g^104*x^33 + g^29*x^24 + g^122*x^20 + g^31*x^18 + g^68*x^17 + g^5*x^12 + g^116*x^10 + g^114*x^9 + g^46*x^6 + g^75*x^5 + g^91*x^3
There are 192 candidate simplex codes

g^98*x^96 + g^102*x^80 + g^120*x^72 + g^74*x^68 + g^67*x^66 + g^110*x^65 + g^42*x^48 + g^26*x^40 + g^117*x^36 + g^40*x^34 + g^43*x^33 + g^50*x^24 + g^83*x^20 + g^125*x^18 + g^69*x^17 + g^56*x^12 + g^26*x^10 + g^2*x^9 + g^74*x^6 + g^121*x^5 + g^24*x^3
There are 224 candidate simplex codes
g^66*x^96 + g^24*x^80 + g^37*x^72 + g^68*x^68 + g^79*x^66 + g^77*x^65 + g^101*x^48 + g^15*x^40 + g^2*x^36 + g^71*x^34 + g^76*x^33 + g^71*x^24 + g^39*x^20 + g^58*x^18 + g^123*x^17 + g^23*x^12 + g^57*x^10 + g^29*x^9 + g^25*x^6 + g^38*x^5 + g^104*x^3
There are 184 candidate simplex codes
g^6*x^96 + g^88*x^80 + g^53*x^72 + g^2*x^68 + g^100*x^66 + g^78*x^65 + x^48 + g^78*x^40 + g^101*x^36 + g^20*x^34 + g^112*x^33 + g^35*x^24 + g^55*x^20 + g^102*x^18 + g^84*x^17 + g^29*x^12 + g^41*x^10 + g^14*x^9 + g^27*x^6 + g^109*x^5 + g^53*x^3
There are 216 candidate simplex codes
g^66*x^96 + g^123*x^80 + g^73*x^72 + g^70*x^68 + g^89*x^66 + g^88*x^65 + g^22*x^48 + g^104*x^40 + g^89*x^36 + g^25*x^34 + g^107*x^33 + g^58*x^24 + g^99*x^20 + g^77*x^18 + g^5*x^17 + g^36*x^12 + g^10*x^10 + g^118*x^9 + g^37*x^6 + g^30*x^5 + g^69*x^3
There are 208 candidate simplex codes
g^110*x^96 + g^27*x^80 + g^34*x^72 + g^56*x^68 + g^45*x^66 + g^103*x^65 + g^118*x^48 + g^87*x^40 + g^20*x^36 + g^94*x^34 + g^69*x^33 + g^69*x^24 + g*x^20 + g^117*x^18 + g^110*x^17 + g^49*x^12 + g^91*x^10 + g^41*x^9 + g^7*x^6 + g^71*x^5 + g^17*x^3
There are 236 candidate simplex codes
g^117*x^96 + x^80 + g^36*x^72 + g^20*x^68 + g^106*x^66 + g^6*x^65 + g^61*x^48 + g^97*x^40 + g^81*x^36 + g^58*x^34 + g^11*x^33 + g^115*x^24 + g^119*x^20 + g^31*x^18 + g^91*x^17 + g^51*x^12 + g^87*x^10 + g^36*x^9 + g^22*x^6 + g^104*x^5 + g^13*x^3
There are 216 candidate simplex codes
g^74*x^96 + g^12*x^80 + g^36*x^72 + g^40*x^68 + g^115*x^66 + g^4*x^65 + g^51*x^48 + g^43*x^40 + g^6*x^36 + g^58*x^34 + g^82*x^33 + g^116*x^24 + g^31*x^20 + g^95*x^18 + g^50*x^17 + g^19*x^12 + g^27*x^10 + g^113*x^9 + g^39*x^6 + g^76*x^5 + g^113*x^3
There are 216 candidate simplex codes
g^95*x^96 + g^101*x^80 + g^96*x^72 + g^46*x^68 + g^7*x^66 + g^54*x^65 + g^86*x^48 + g^24*x^36 + g^89*x^34 + g^99*x^33 + g^70*x^24 + g^74*x^20 + g^69*x^18 + g^103*x^17 + g^115*x^12 + g^40*x^10 + g^107*x^9 + g^16*x^6 + g^9*x^5 + g^64*x^3
There are 228 candidate simplex codes
g^118*x^96 + g^78*x^80 + g^21*x^72 + g^38*x^68 + g^5*x^66 + g^3*x^65 + g^20*x^48 + g^126*x^40 + g^14*x^36 + g^121*x^34 + g^7*x^33 + g^43*x^24 + g^64*x^20 + g^106*x^18 + g^109*x^17 + g^73*x^12 + g^6*x^10 + g^17*x^9 + g^23*x^6 + g^96*x^5 + g^38*x^3
There are 252 candidate simplex codes
g^65*x^96 + g^64*x^80 + g^30*x^72 + g^20*x^68 + g^108*x^66 + g^43*x^65 + g^78*x^48 + g^126*x^40 + g^80*x^36 + g^81*x^34 + g^119*x^33 + g^16*x^24 + g^108*x^20 + g^86*x^18 + g^67*x^17 + g^60*x^12 + g^8*x^10 + g^91*x^9 + g^70*x^6 + g^23*x^5 + g^36*x^3
There are 212 candidate simplex codes
g^87*x^96 + g^56*x^80 + g^25*x^72 + g^57*x^68 + g^66*x^66 + g^93*x^65 + g^72*x^48 + g^26*x^40 + g^17*x^36 + g^26*x^34 + g^123*x^33 + g^43*x^24 + g^103*x^20 + g^60*x^17 + g^35*x^12 + g^121*x^10 + g^120*x^9 + g^46*x^6 + g^62*x^5 + g^20*x^3
There are 204 candidate simplex codes
g^108*x^96 + g^116*x^80 + g^104*x^72 + g^121*x^68 + g^42*x^66 + g^46*x^65 + g^119*x^48 + g^60*x^40 + g^103*x^36 + g^41*x^34 + g^48*x^33 + g^9*x^24 + g^50*x^20 + g^117*x^18 + g^119*x^17 + g^11*x^12 + g^115*x^10 + g^87*x^9 + g^74*x^6 + g^16*x^5 + g^42*x^3
There are 224 candidate simplex codes
g^107*x^96 + g^62*x^80 + g^8*x^72 + g^7*x^68 + g^24*x^66 + g^53*x^65 + g^89*x^48 + g^79*x^40 + g^57*x^36 + g^63*x^34 + g^119*x^33 + g^12*x^24 + g^20*x^20 + g^63*x^18 + g^20*x^17 + g^80*x^12 + g^66*x^10 + g^92*x^9 + g^118*x^6 + g^14*x^5 + g^19*x^3
There are 192 candidate simplex codes
g^126*x^96 + g^39*x^80 + g^68*x^72 + g^15*x^68 + g^84*x^66 + g^88*x^65 + g^57*x^48 + g^81*x^40 + g^83*x^36 + g^74*x^34 + g^90*x^33 + g^32*x^24 + g^115*x^20 + g^104*x^18 + g^88*x^17 + g^38*x^12 + g^24*x^10 + g^26*x^9 + g^59*x^6 + g^124*x^5 + g^72*x^3
There are 232 candidate simplex codes
g^62*x^96 + g^38*x^80 + g^78*x^72 + g^98*x^68 + g^40*x^66 + g^9*x^65 + g^31*x^48 + g^122*x^40 + g^40*x^36 + g^64*x^34 + g^5*x^33 + g^16*x^24 + g^85*x^20 + g^59*x^18 + g^65*x^17 + g^107*x^12 + g^90*x^10 + g^45*x^9 + g^54*x^6 + g^16*x^5 + g^56*x^3
There are 196 candidate simplex codes
g^61*x^96 + g^103*x^80 + g^71*x^72 + g^68*x^68 + g^26*x^66 + g^72*x^65 + g^38*x^48 + g^100*x^40 + g^26*x^36 + g^67*x^34 + g^125*x^33 + g^114*x^24 + g^87*x^20 + g^51*x^18 + g^42*x^17 + g^94*x^12 + g^29*x^10 + g^17*x^9 + g^13*x^6 + g^79*x^5 + g^16*x^3
There are 232 candidate simplex codes
g^114*x^96 + g^124*x^80 + g^47*x^72 + g^53*x^68 + g^69*x^66 + g^28*x^65 + g^71*x^48 + g^114*x^40 + g^122*x^36 + x^34 + g^25*x^33 + g^81*x^24 + g^62*x^20 + g^11*x^18 + g^12*x^17 + g^20*x^12 + g^120*x^10 + g^94*x^9 + g^97*x^6 + g^41*x^5 + g^64*x^3
There are 184 candidate simplex codes
g^98*x^96 + g^123*x^80 + g^71*x^72 + g^119*x^68 + g^124*x^66 + g^69*x^65 + g^69*x^48 + g^78*x^40 + g^78*x^36 + x^34 + g^11*x^33 + g^21*x^24 + g^44*x^20 + g^65*x^18 + g^120*x^17 + g^13*x^12 + g^76*x^10 + g^18*x^9 + g^67*x^6 + g^14*x^5 + g^85*x^3
There are 216 candidate simplex codes
g^83*x^96 + g^58*x^80 + g^18*x^72 + g^48*x^68 + g^118*x^66 + g^5*x^65 + g^53*x^48 + g^31*x^40 + g^73*x^36 + g^47*x^34 + g^65*x^33 + g^99*x^24 + g^116*x^20 + g^94*x^18 + g^16*x^17 + g^6*x^12 + g*x^10 + g^85*x^9 + g^77*x^6 + g^13*x^5 + g^29*x^3
There are 236 candidate simplex codes
g^70*x^96 + g^71*x^80 + g^9*x^72 + g^118*x^68 + g^96*x^66 + g^108*x^65 + g^108*x^48 + g^10*x^40 + g^114*x^36 + g^96*x^34 + g^99*x^33 + g^22*x^24 + g^56*x^20 + g^89*x^18 + g^75*x^17 + g^75*x^12 + g^19*x^10 + g^28*x^9 + g^92*x^6 + g^31*x^5 + g^15*x^3
There are 240 candidate simplex codes
g^103*x^96 + g^61*x^80 + g^114*x^72 + g^60*x^68 + g^5*x^66 + g^35*x^65 + g^91*x^48 + g^73*x^40 + g^58*x^36 + g^10*x^34 + g^118*x^33 + g^72*x^24 + g^120*x^20 + g^90*x^18 + g^86*x^17 + g^44*x^12 + g^6*x^10 + g^85*x^9 + g^68*x^6 + g^50*x^5 + g^7*x^3
There are 232 candidate simplex codes
g^73*x^96 + g^116*x^80 + g^120*x^72 + g^16*x^68 + g^14*x^66 + g^76*x^65 + g^51*x^48 + g^60*x^40 + g^58*x^36 + g^53*x^34 + g^4*x^33 + g^84*x^24 + g^106*x^20 + g^17*x^18 + g^119*x^17 + g^120*x^12 + g^122*x^10 + g^95*x^9 + g^49*x^6 + g^10*x^5 + g^31*x^3
There are 232 candidate simplex codes
g^125*x^96 + g^112*x^80 + g^90*x^72 + g^9*x^68 + g^72*x^66 + g^26*x^65 + g^79*x^48 + g^69*x^40 + g^23*x^36 + g^97*x^34 + g^63*x^33 + g^7*x^24 + g^113*x^20 + g^68*x^18 + g^54*x^17 + g^16*x^12 + g^24*x^10 + g^100*x^9 + g^88*x^6 + g^51*x^5 + g^58*x^3
There are 176 candidate simplex codes
g^38*x^96 + g^32*x^80 + g^79*x^72 + g^70*x^68 + g^74*x^66 + g^125*x^65 + g^7*x^48 + g^8*x^40 + g^69*x^36 + g^88*x^34 + g^49*x^33 + g^69*x^24 + g^120*x^20 + g^105*x^18 + x^17 + g^27*x^12 + g^87*x^10 + g^19*x^9 + g^32*x^6 + x^5 + g^24*x^3
There are 228 candidate simplex codes
g^86*x^96 + g^71*x^80 + g^26*x^72 + g^57*x^68 + g^78*x^66 + g^8*x^65 + g^52*x^48 + g^101*x^40 + g^105*x^36 + g^109*x^34 + g^70*x^33 + g^114*x^24 + g^112*x^20 + g^106*x^18 + g^113*x^17 + g^74*x^12 + g^37*x^10 + g^4*x^9 + g^30*x^6 + g^11*x^5 + g^20*x^3
There are 220 candidate simplex codes
g^10*x^96 + g^79*x^80 + g^96*x^72 + g^89*x^68 + g^17*x^66 + g^36*x^65 + g^109*x^48 + g^61*x^40 + g^83*x^36 + g^21*x^34 + g^48*x^33 + g^86*x^24 + g^34*x^20 + g^59*x^18 + g^18*x^17 + g^48*x^12 + g^90*x^10 + g^39*x^9 + g^108*x^6 + g^54*x^5 + g^50*x^3
There are 212 candidate simplex codes
g^97*x^96 + g^108*x^80 + g^61*x^72 + g^30*x^68 + g^40*x^66 + g^77*x^65 + g^50*x^48 + g^37*x^40 + g^106*x^36 + g^70*x^34 + g^119*x^33 + g^77*x^24 + g^47*x^20 + g^99*x^18 + g^116*x^17 + g^117*x^12 + g^74*x^10 + g^95*x^9 + g^84*x^6 + g^18*x^5 + g^109*x^3
There are 208 candidate simplex codes
g^59*x^96 + g^39*x^80 + g^93*x^72 + g^49*x^68 + g^126*x^66 + g^22*x^65 + g^3*x^48 + g^33*x^40 + g^68*x^36 + g^94*x^34 + g^28*x^33 + g^30*x^24 + g^69*x^20 + g^116*x^18 + g^73*x^17 + g^113*x^12 + g^125*x^10 + g^67*x^9 + g^97*x^6 + g^100*x^5 + g^112*x^3
There are 196 candidate simplex codes
g^5*x^96 + g^107*x^80 + g^24*x^72 + g^81*x^68 + g^102*x^66 + g^63*x^65 + g^12*x^48 + g^117*x^40 + g^76*x^36 + g^59*x^34 + g^35*x^33 + g^96*x^24 + g^32*x^20 + g^40*x^18 + g^21*x^12 + g^79*x^10 + g^92*x^9 + g^46*x^6 + g^3*x^5 + g^112*x^3
There are 236 candidate simplex codes
g*x^96 + g^40*x^80 + g^89*x^72 + g^31*x^68 + g^30*x^66 + g^20*x^65 + g^20*x^48 + g^62*x^40 + g^92*x^36 + g^61*x^34 + g^48*x^33 + g^8*x^24 + g^62*x^20 + g^55*x^18 + g^46*x^17 + g^7*x^12 + g^118*x^10 + g^103*x^9 + g^51*x^6 + g*x^5 + g^7*x^3
There are 220 candidate simplex codes
g^70*x^96 + g^33*x^80 + g^51*x^72 + g^21*x^68 + g^60*x^66 + g^61*x^65 + g^95*x^48 + g^104*x^40 + g^28*x^36 + g^75*x^34 + g^11*x^33 + g^100*x^24 + g^47*x^20 + g^51*x^18 + g^50*x^17 + g^71*x^12 + g^111*x^10 + g^68*x^9 + g^44*x^6 + g^79*x^5 + g^32*x^3
There are 196 candidate simplex codes
g^122*x^96 + g^40*x^80 + g^104*x^72 + g^82*x^68 + g^75*x^66 + g^15*x^65 + g^46*x^48 + g^39*x^40 + g^65*x^36 + g^32*x^34 + g^115*x^33 + g^26*x^24 + g^44*x^20 + g^60*x^18 + g^119*x^17 + g^21*x^12 + g^29*x^10 + g^107*x^9 + g^102*x^6 + g^83*x^5 + g^123*x^3
There are 276 candidate simplex codes
g^22*x^96 + g^116*x^80 + g^11*x^72 + g^2*x^68 + g^8*x^66 + g^76*x^65 + g^101*x^48 + g^94*x^40 + g^122*x^36 + g^90*x^34 + g^50*x^33 + g^20*x^24 + g^110*x^20 + g^95*x^18 + g^50*x^17 + g^93*x^12 + g^126*x^10 + g^44*x^9 + g^11*x^6 + g^67*x^5 + g^5*x^3
There are 252 candidate simplex codes
g^101*x^96 + g^51*x^80 + g^118*x^72 + g^45*x^68 + g^2*x^66 + g^8*x^65 + g^56*x^48 + g^105*x^40 + g^102*x^36 + g^62*x^34 + g^86*x^33 + g^48*x^24 + g^97*x^20 + g^7*x^18 + g^52*x^17 + g^38*x^12 + g^119*x^10 + g^110*x^9 + g^14*x^6 + g^46*x^5 + g^21*x^3
There are 220 candidate simplex codes
g^34*x^96 + g^5*x^80 + g^38*x^72 + g^125*x^68 + g^16*x^66 + g^74*x^65 + g^31*x^48 + g^73*x^40 + g^32*x^36 + g^88*x^34 + g^27*x^33 + g^121*x^24 + g^32*x^20 + g^60*x^18 + g^16*x^17 + g^105*x^12 + g^107*x^10 + g^67*x^9 + g^87*x^6 + g^117*x^5 + g^111*x^3
There are 220 candidate simplex codes
g^98*x^96 + g^89*x^80 + g^39*x^72 + g^108*x^68 + g^32*x^66 + g^94*x^65 + g^109*x^48 + g^106*x^40 + g^92*x^36 + g^78*x^34 + g^50*x^33 + g^90*x^24 + g^48*x^20 + g^19*x^17 + g^21*x^12 + g^7*x^10 + g^51*x^9 + g^15*x^6 + g^70*x^5 + g^105*x^3
There are 216 candidate simplex codes

g^15*x^96 + g^84*x^80 + g^39*x^72 + g^16*x^68 + x^66 + g^74*x^65 + g^5*x^48 + g^49*x^40 + g^51*x^36 + g^121*x^34 + g^83*x^33 + g^28*x^24 + g^40*x^20 + g^45*x^18 + g^34*x^17 + g^55*x^12 + g^38*x^10 + g^4*x^9 + g^80*x^6 + g^44*x^5 + g^15*x^3
There are 232 candidate simplex codes
g^90*x^96 + g^75*x^80 + g^51*x^72 + g^70*x^68 + g^27*x^66 + g^107*x^65 + g^88*x^48 + g^51*x^40 + g^61*x^36 + g^25*x^34 + g^66*x^33 + g^18*x^24 + g^64*x^20 + g^106*x^18 + g^16*x^17 + g^85*x^12 + g^54*x^10 + g^123*x^9 + g^72*x^6 + g^96*x^5 + g^85*x^3
There are 224 candidate simplex codes
g^14*x^96 + g^121*x^80 + g^38*x^72 + g^101*x^68 + g^56*x^66 + g^17*x^65 + g^58*x^48 + g^76*x^40 + g^62*x^36 + g^11*x^34 + g^90*x^33 + g^108*x^24 + g^108*x^20 + g^40*x^18 + g^12*x^17 + g^112*x^12 + g^124*x^10 + g^97*x^9 + g^122*x^6 + g^53*x^5 + g^65*x^3
There are 240 candidate simplex codes
g^101*x^96 + g^6*x^80 + g^85*x^72 + g^61*x^68 + g^37*x^66 + g^60*x^65 + g^68*x^48 + g^73*x^40 + g^61*x^36 + g^50*x^34 + g^83*x^33 + g^110*x^24 + g^17*x^20 + g^85*x^18 + g^10*x^17 + g^11*x^12 + g^23*x^10 + g^89*x^9 + g^21*x^6 + g^120*x^5 + g^121*x^3
There are 232 candidate simplex codes
g^28*x^96 + g^43*x^80 + g^11*x^72 + g^108*x^68 + g^4*x^66 + g^87*x^65 + g^29*x^48 + g^85*x^40 + g^41*x^36 + g^66*x^34 + g^81*x^33 + g^56*x^24 + g^29*x^20 + g^11*x^18 + g^116*x^17 + g^37*x^12 + g^104*x^10 + g^88*x^9 + g^71*x^6 + g^101*x^5 + g^51*x^3
There are 248 candidate simplex codes
g^6*x^96 + g^69*x^80 + g^31*x^72 + g^87*x^68 + g^77*x^66 + g^59*x^65 + g^13*x^48 + g^123*x^40 + g^12*x^36 + g^74*x^34 + g^19*x^33 + g^56*x^24 + g^101*x^20 + g^31*x^18 + g^95*x^17 + g^3*x^12 + g^86*x^10 + g^96*x^9 + g^82*x^6 + g^94*x^5 + g^4*x^3
There are 204 candidate simplex codes
g^30*x^96 + g^115*x^80 + g^71*x^72 + g^2*x^68 + g^35*x^66 + g^3*x^65 + g^115*x^48 + g^34*x^40 + g^9*x^36 + g^79*x^34 + g^103*x^33 + g^65*x^24 + g^58*x^20 + g^59*x^18 + g^36*x^17 + g^50*x^12 + g^84*x^10 + g^112*x^9 + g^87*x^6 + g^69*x^5 + g^82*x^3
There are 208 candidate simplex codes
g^23*x^96 + g^11*x^80 + g^42*x^72 + g^10*x^68 + g^68*x^66 + g^25*x^65 + g^4*x^48 + g^117*x^40 + g^126*x^36 + g^87*x^34 + g^50*x^33 + g^57*x^24 + g^78*x^20 + g^90*x^18 + g^48*x^17 + g^89*x^12 + g^40*x^10 + g^57*x^9 + g^49*x^6 + g^115*x^5 + g^115*x^3
There are 232 candidate simplex codes
g^32*x^96 + g^78*x^80 + g^15*x^72 + g^115*x^68 + g^40*x^66 + g^122*x^65 + g^68*x^48 + g^25*x^40 + g^109*x^36 + g^60*x^34 + g^27*x^33 + g^2*x^24 + g^2*x^20 + g^18*x^18 + g^7*x^17 + g^28*x^12 + g^42*x^10 + g^104*x^9 + g^26*x^6 + g^43*x^5 + g^32*x^3
There are 252 candidate simplex codes
g^45*x^96 + g^33*x^80 + g^19*x^72 + g^66*x^68 + g^108*x^66 + g^9*x^65 + g^32*x^48 + g^115*x^40 + g^65*x^36 + g^23*x^34 + g^23*x^33 + g^19*x^24 + g^62*x^20 + g^18*x^18 + g^74*x^17 + g^2*x^12 + g^82*x^10 + g^11*x^9 + g^84*x^6 + g^119*x^5 + g^42*x^3
There are 220 candidate simplex codes
g^123*x^96 + g^122*x^80 + g^90*x^72 + g^15*x^68 + g^73*x^66 + g^18*x^48 + g^17*x^40 + g^86*x^36 + g^52*x^34 + g^114*x^33 + g^34*x^24 + g^97*x^20 + g^52*x^18 + g^114*x^17 + g^81*x^12 + g^117*x^10 + g^26*x^9 + g^76*x^6 + g^3*x^5 + g^71*x^3
There are 220 candidate simplex codes
g^101*x^96 + g^121*x^80 + g^17*x^72 + g^117*x^68 + g^44*x^66 + g^63*x^65 + g^88*x^48 + g^39*x^40 + g^80*x^36 + g^94*x^34 + g^94*x^33 + g^55*x^24 + g^113*x^20 + g^116*x^18 + g^62*x^17 + g^17*x^12 + g^110*x^10 + g^53*x^9 + g^87*x^6 + g^25*x^5 + g^73*x^3
There are 200 candidate simplex codes
g^15*x^96 + g^58*x^80 + g^47*x^72 + g^73*x^68 + g^29*x^66 + g^120*x^65 + g^53*x^48 + g^23*x^40 + g^49*x^36 + g^51*x^34 + g^79*x^33 + g*x^24 + g^20*x^20 + g^46*x^18 + g^51*x^17 + g^104*x^12 + g^8*x^10 + g^27*x^9 + g^48*x^6 + g^108*x^5 + g^39*x^3
There are 284 candidate simplex codes
g^53*x^96 + g^64*x^72 + g^50*x^68 + g^91*x^66 + g^14*x^65 + g^4*x^48 + g^55*x^40 + g^96*x^36 + g^57*x^34 + g^71*x^33 + g^123*x^24 + g^27*x^20 + g^27*x^18 + g^93*x^17 + g*x^12 + g^74*x^10 + g^14*x^9 + g^34*x^6 + g^38*x^5 + g^78*x^3
There are 200 candidate simplex codes
g^22*x^80 + g^40*x^72 + g^122*x^68 + g^70*x^66 + g^119*x^65 + g^113*x^48 + g^69*x^40 + g^69*x^36 + g^50*x^34 + g^38*x^33 + g^95*x^24 + g^20*x^20 + g^100*x^18 + g^70*x^17 + g^6*x^12 + g^57*x^10 + g^76*x^9 + g^13*x^6 + g^61*x^5 + g^125*x^3
There are 236 candidate simplex codes
g^53*x^96 + g^95*x^80 + g^107*x^72 + g^2*x^68 + g^88*x^66 + g^45*x^65 + g^122*x^48 + g^65*x^40 + g^9*x^36 + g^10*x^34 + g^107*x^33 + g^43*x^24 + g^42*x^20 + g^77*x^18 + g^15*x^17 + g^71*x^12 + g^21*x^10 + g^63*x^9 + g^8*x^6 + g^41*x^5 + g^38*x^3
There are 240 candidate simplex codes
g^15*x^96 + g^3*x^80 + g^101*x^68 + g^90*x^66 + g^106*x^65 + g^117*x^48 + g^122*x^40 + g^122*x^36 + g^75*x^34 + g^67*x^33 + g^126*x^24 + g^16*x^20 + g^10*x^18 + g^61*x^17 + g^86*x^12 + g^102*x^10 + g^124*x^9 + g^59*x^6 + g^13*x^5 + g^72*x^3
There are 208 candidate simplex codes