ЛР 6

- 1. Определить номер варианта nv = Nmod6 + 1 (N- номер по списку в группе), и выбрать многочлен для построения РСЛОС из таблицы:
- 1. Определить номер варианта $\underline{n}\underline{y} = N_{mod6} + 1$ (N- номер по списку в группе), и выбрать многочлен для построения РСЛОС из таблицы:

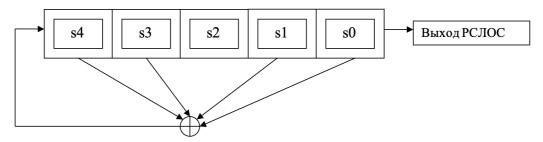
ny	Многочлен	ny	Многочлен		
1	$1+x^2+x^5$	4	$1+x+x^2+x^4+x^5$		
2	$1+x^3+x^5$	5	$1+x+x^3+x^4+x^5$		
3	$1+x+x^2+x^3+x^5$	6	$1+x^2+x^3+x^4+x^5$		

N=4; nv=N mod 6 + 1 = 4+1=5 Многочлен: 1+x+x^3+x^4+x^5

2. Составить таблицу соответствия степеней многочлена, элементов РСЛОС и коэффициентов обратной связи.

Многочлен	1*x ⁵	1*x4	1*x ³	0*x ²	1*x	1
РСЛОС		s4	s3	s2	s1	s0
Коэффициенты		1	1	0	1	1
обратной связи						

3. Нарисовать структуру РСЛОС с учетом функции обратной связи.



4. Разработать программный модуль, реализующий работу заданного РСЛОС, провести проверку работоспособности при начальной загрузке 1Fh и получить выходную последовательность длиной 2*(25-1).

2*(2^5-1)=2*(32-1)=2*31=62

1Fh=1*16+15=31=11111b

```
In[143]= RSLOS[list0 , length0 ] := Module[{list = list0, length = length0},
                                                    outlfsr = {};
                                                    Do[outlfsr = Append[outlfsr, list[5]];
                                                          list = {Mod[list[[5]] + list[[4]] + list[[2]] + list[[1]], 2],
                                                                        list[1], list[2], list[3], list[4]}, {i, length}];
                                                    outlfsr
                                              ];
                                list4 = RSLOS[{1, 1, 1, 1, 1}, 2 * (2^5 - 1)]
                                Length[list4]
\text{Out}_{[144]=} \hspace{0.1cm} \{1, \hspace{0.1cm} 1, \hspace{0.1cm} 1, \hspace{0.1cm} 1, \hspace{0.1cm} 1, \hspace{0.1cm} 1, \hspace{0.1cm} 0, \hspace{0.1cm} 1, \hspace{0.1cm} 1, \hspace{0.1cm} 0, \hspace{0.1cm} 0, \hspace{0.1cm} 0, \hspace{0.1cm} 1, \hspace{0.1cm} 0, \hspace{0.1cm} 0, \hspace{0.1cm} 1, \hspace{0.1cm} 0, \hspace{0.1cm} 0,
                                       1, 1, 1, 1, 1, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1, 1, 0, 1, 0, 1, 0, 0, 1, 0, 0, 0, 1, 0
Out[145]= 62
                                                        Определить "вручную" и программным путем число тактов РСЛОС для достижения
                                состояния 1Eh из начального состояния N.
                                 N=4=0100h=00100h
                                 Определение программным путём:
```

```
In[146]:= {$4, $3, $2, $1, $0} = {0, 0, 1, 0, 0};

Do[{$4, $3, $2, $1, $0} = {Mod[$0 + $1 + $3 + $4, 2], $4, $3, $2, $1};

If[{$4, $3, $2, $1, $0} == {1, 1, 1, 1, 0}, {Print["Число тактов: ", i];

Вгеак[];}], {i, 2^5 - 1}];

Число тактов: 7
```

Определение числа тактов вручную:

6. Сформировать программным путем матрицу m и вектор b, c параметрами n=5 k=N+7 для решения системы линейных уравнений (m*c)mod2 = b, которая позволяет по 2n элементам последовательности S PCЛОС (см. п.4) определить коэффициенты обратной связи.

```
In[148]:= n = 5;

k = 4 + 7;

list6 = list4[k;; k + 2 * n - 1]]

Out[150]= {1, 1, 1, 0, 0, 0, 0, 1, 1, 0}

In[151]:= m = Table[0, {n}, {n}];

Do[m[i]] = list6[i;; i + n - 1], {i, n}];

m // MatrixForm

Out[153]//MatrixForm=

(1 1 1 0 0 0 0 1 1 0 0 0 0 1 0 0 0 0 1 0 0 0 1 1 0 0 0 1 1
```

Out[154]= $\{0, 0, 1, 1, 0\}$

7. Найти коэффициенты обратной связи {c4,c3,c2,c1,c0} решая следующее матричное уравнение:

Reverse [Linear Solve [m,b,Modulus]] 2]].

```
ln[155]:= Reverse[LinearSolve[m, b, Modulus \rightarrow 2]] Out[155]= \{1, 1, 0, 1, 1\}
```

8. Проверить линейную сложность, применив алгоритм Берлекэмпа-Масси к случайному отрезку последовательности длиной 2n.

```
In[156]:= s = list4[1 ;; 2 * 5]];
      Lol = 0; fol = 1;
      diff = 0; Clear[x];
      f = 1;
      L = 0;
      g = CoefficientList[f, {x}];
      Do\left[If\left[Mod\left[\sum_{i=1}^{L}g[i]]s[j-1-L+i]\right],2\right]=:s[j],diff=diff+1,
                                fne = PolynomialMod[x<sup>Lne-L</sup> f + x<sup>Lne-Lol-diff-1</sup> fol, 2];
         Lne = Max[j-L, L];
         If[Lne # L, fol = f;
          Lol = L;
          L = Lne;
          diff = 0, diff = diff + 1];
         f = fne;
         g = CoefficientList[f, {x}]];
       Print["j=", j, ", L=", L, ", f=", f], {j, Length[s]}]
      j=1, L=1, f=1+x
      j=2, L=1, f=1 + x
      j=3, L=1, f=1 + x
      j=4, L=1, f=1 + x
      j=5, L=1, f=1 + x
      j=6, L=5, f=1 + x^4 + x^5
      i=7, L=5, f=1 + x^4 + x^5
      j=8, L=5, f=1+x^2+x^3+x^4+x^5
      j=9, L=5, f=1+x+x^3+x^4+x^5
      j=10, L=5, f=1+x+x^3+x^4+x^5
```

9. На базе трех РСЛОС с номерами вариантов nv, (nv+2)mod6, (nv+4)mod6,сформировать программную реализацию генератора Геффе. Использовать поразрядные логические операторы: BitAnd[], BitNot[], BitXor[]. Получить последовательность в 150 бит.

```
ln[160] = nv = Mod[4, 6] + 1
Out[160]= 5
In[161] = Mod[nv + 2, 6]
Out[161]= 1
ln[162] = Mod[nv + 4, 6]
Out[162]= 3
ln[163] = RSLOS1 = {}; {s4, s3, s2, s1, s0} = {1, 1, 0, 1, 1};
     Do[RSLOS1 = Append[RSLOS1, s0];
       \{s4, s3, s2, s1, s0\} = \{Mod[s0 + s1 + s3 + s4, 2], s4, s3, s2, s1\}, \{i, 150\}];
     RSLOS1
1, 1, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1, 1, 0, 1, 0, 1, 0, 0, 1, 0, 0, 1, 0, 1, 1,
      1, 1, 1, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1, 1, 0, 1, 0, 1, 0, 0, 1, 0, 0, 1, 0, 1,
      1, 1, 1, 1, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1, 1, 0, 1, 0, 1, 0, 0, 1, 0, 0, 0, 1, 0,
      1, 1, 1, 1, 1, 0, 1, 1, 0, 0, 1, 1, 1, 0, 0, 0, 0, 1, 1, 0, 1, 0, 1, 0, 0, 1, 0, 0
ln[166]:= RSLOS2 = {}; {s4, s3, s2, s1, s0} = {0, 0, 1, 0, 1};
     Do[RSLOS2 = Append[RSLOS2, s0];
       \{s4, s3, s2, s1, s0\} = \{Mod[s0 + s2, 2], s4, s3, s2, s1\}, \{i, 150\}\};
     RSL0S2
1, 0, 1, 0, 0, 0, 0, 1, 0, 0, 1, 0, 1, 1, 0, 0, 1, 1, 1, 1, 1, 1, 0, 0, 0, 1, 1, 0, 1, 1, 1,
      0, 1, 0, 1, 0, 0, 0, 0, 1, 0, 0, 1, 0, 1, 1, 0, 0, 1, 1, 1, 1, 1, 1, 0, 0, 0, 1, 1, 0, 1, 1,
      1, 0, 1, 0, 1, 0, 0, 0, 0, 1, 0, 0, 1, 0, 1, 1, 0, 0, 1, 1, 1, 1, 1, 1, 0, 0, 0, 1, 1, 0, 1,
      1, 1, 0, 1, 0, 1, 0, 0, 0, 0, 1, 0, 0, 1, 0, 1, 1, 0, 0, 1, 1, 1, 1, 1, 1, 0, 0, 0, 1, 1
ln[169]:= RSLOS3 = {}; {s4, s3, s2, s1, s0} = {0, 1, 1, 1, 1};
     Do[RSLOS3 = Append[RSLOS3, s0];
       \{s4, s3, s2, s1, s0\} = \{Mod[s0+s1+s2+s3, 2], s4, s3, s2, s1\}, \{i, 150\}];
     RSL0S3
1, 1, 1, 1, 0, 0, 1, 0, 0, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 0, 1, 0, 1, 0, 0, 0, 1, 1, 1, 0,
      1, 1, 1, 1, 1, 0, 0, 1, 0, 0, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 0, 1, 0, 1, 0, 0, 0, 1, 1, 1, 1,
      0, 1, 1, 1, 1, 1, 0, 0, 1, 0, 0, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 0, 1, 0, 1, 0, 0, 0, 1, 1,
      1, 0, 1, 1, 1, 1, 1, 0, 0, 1, 0, 0, 1, 1, 0, 0, 0, 0, 1, 0, 1, 1, 0, 1, 0, 1, 0, 0, 0
| In[172]:= GenGeffe = BitXor[BitAnd[RSLOS1, RSLOS2], BitAnd[BitNot[RSLOS1], RSLOS3]]
1, 0, 1, 0, 0, 0, 1, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 1, 1, 1, 1, 0, 0, 0, 0, 0, 0, 1, 1, 1,
      0, 1, 0, 1, 0, 0, 0, 1, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 1, 1, 1, 1, 0, 0, 0, 0, 0, 0, 1, 1,
      1, 0, 1, 0, 1, 0, 0, 0, 1, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 1, 1, 1, 1, 0, 0, 0, 0, 0, 1,
      1, 1, 0, 1, 0, 1, 0, 0, 0, 1, 1, 0, 0, 1, 0, 0, 0, 0, 0, 0, 1, 1, 1, 1, 0, 0, 0, 0, 0
```

10. Определить линейную сложность генератора Геффе.

```
In[173]:= s = GenGeffe;
      Lol = 0; fol = 1;
      diff = 0; Clear[x];
      f = 1;
      L = 0;
      g = CoefficientList[f, {x}];
      Do\left[If\left[Mod\left[\sum_{i=1}^{L}g[i]s[j-1-L+i],2\right]=s[j],diff=diff+1,\right]
                                           fne = PolynomialMod[x<sup>Lne-L</sup> f + x<sup>Lne-Lol-diff-1</sup> fol, 2];
         Lne = Max[j-L, L];
         If[Lne # L, fol = f;
          Lol = L;
          L = Lne;
          diff = 0, diff = diff + 1];
         f = fne;
         g = CoefficientList[f, {x}]];
       Print["j=", j, ", L=", L, ", f=", f], {j, Length[s]}
      j=1, L=1, f=1+x
      j=2, L=1, f=x
      j=3, L=2, f=1+x^2
      j=4, L=2, f=1+x^2
      i=5, L=3, f=x^3
      j=6, L=3, f=x^3
      j=7, L=4, f=1 + x^2 + x^4
      j=8, L=4, f=1+x^2+x^3+x^4
      j=9, L=4, f=1+x^2+x^3+x^4
      j=10, L=6, f=x^2+x^3+x^4+x^5+x^6
      j=11, L=6, f=x + x^2 + x^6
      j=12, L=6, f=x + x^2 + x^6
      j=13, L=7, f=1+x^4+x^7
      j=14, L=7, f=1 + x^4 + x^7
      j=15, L=8, f=x^2 + x^5 + x^6 + x^8
      j=16, L=8, f=x^2 + x^5 + x^6 + x^8
      j=17, L=9, f=1+x^3+x^4+x^6+x^9
      i=18, L=9, f=1+x^2+x^3+x^4+x^5+x^8+x^9
      j=19, L=9, f=1+x^2+x^3+x^4+x^5+x^8+x^9
      j=20, L=11, f=x^4 + x^7 + x^8 + x^{10} + x^{11}
      j=21, L=11, f=x + x^3 + x^5 + x^6 + x^7 + x^8 + x^9 + x^{11}
      j=22, L=11, f=1+x+x^2+x^4+x^6+x^7+x^{11}
      j=23, L=11, f=1+x+x^2+x^4+x^6+x^7+x^{11}
      j=24, L=11, f=1 + x + x^2 + x^4 + x^6 + x^7 + x^{11}
```

```
j=25, L=14, f=1+x^2+x^7+x^8+x^{10}+x^{14}
j=26, L=14, f=1 + x^2 + x^7 + x^8 + x^{10} + x^{14}
j=27, L=14, f=1+x^2+x^7+x^8+x^{10}+x^{14}
j=28, L=14, f=1+x^2+x^7+x^8+x^{10}+x^{14}
j=29, L=15, f=1+x^2+x^3+x^4+x^6+x^7+x^8+x^9+x^{15}
j=30, L=15, f=1+x^2+x^3+x^4+x^6+x^7+x^8+x^9+x^{15}
j=31, L=16, f=1+x+x^2+x^3+x^4+x^5+x^9+x^{14}+x^{16}
j=32, L=16, f=1+x+x^2+x^3+x^4+x^5+x^9+x^{14}+x^{16}
j=33, L=16, f=1+x+x^2+x^3+x^4+x^5+x^9+x^{14}+x^{16}
j=34, L=16, f=1+x+x^2+x^3+x^4+x^5+x^9+x^{14}+x^{16}
j=35, L=16, f=1+x+x^2+x^3+x^4+x^5+x^9+x^{14}+x^{16}
j=36, L=16, f=1+x+x^2+x^3+x^4+x^5+x^9+x^{14}+x^{16}
j=37, L=16, f=1 + x + x^2 + x^3 + x^4 + x^5 + x^9 + x^{14} + x^{16}
j=38, L=22, f=1+x^2+x^3+x^4+x^{10}+x^{11}+x^{20}+x^{22}
j=39, L=22, f=1+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{11}+x^{14}+x^{19}+x^{20}+x^{21}+x^{22}
j=40, L=22, f=1+x^2+x^3+x^{11}+x^{13}+x^{14}+x^{18}+x^{19}+x^{21}+x^{22}
j = 41, \quad L = 22, \quad f = 1 + x^2 + x^4 + x^5 + x^6 + x^7 + x^8 + x^{11} + x^{12} + x^{13} + x^{14} + x^{17} + x^{18} + x^{21} + x^{22} + x^{21} + x^{22} + x^{23} + x^{24} + 
j=42, L=22, f=1+x^2+x^4+x^5+x^6+x^7+x^8+x^{11}+x^{12}+x^{13}+x^{14}+x^{17}+x^{18}+x^{21}+x^{22}
j=43, L=22, f=1+x^2+x^4+x^5+x^6+x^7+x^8+x^{11}+x^{12}+x^{13}+x^{14}+x^{17}+x^{18}+x^{21}+x^{22}
j=44, L=22, f=x+x^3+x^6+x^7+x^8+x^9+x^{11}+x^{12}+x^{13}+x^{16}+x^{17}+x^{18}+x^{21}+x^{22}
j=45, L=23, f=1+x+x^3+x^5+x^7+x^8+x^{10}+x^{12}+x^{13}+x^{16}+x^{17}+x^{18}+x^{19}+x^{22}+x^{23}
j = 46 \text{, } L = 23 \text{, } f = 1 + x + x^3 + x^5 + x^7 + x^8 + x^{10} + x^{12} + x^{13} + x^{16} + x^{17} + x^{18} + x^{19} + x^{22} + x^{23}
j=47, L=23, f=1+x+x^3+x^5+x^7+x^8+x^{10}+x^{12}+x^{13}+x^{16}+x^{17}+x^{18}+x^{19}+x^{22}+x^{23}
j=48, L=25, f=x+x^2+x^5+x^6+x^8+x^{10}+x^{11}+x^{13}+x^{14}+x^{15}+x^{16}+x^{17}+x^{19}+x^{20}+x^{22}+x^{24}+x^{25}
j\!=\!49\,\text{, }L\!=\!25\,\text{, }f\!=\!x^4+x^5+x^9+x^{10}+x^{15}+x^{16}+x^{18}+x^{22}+x^{23}+x^{25}
j=50, L=25, f=x^4+x^5+x^9+x^{10}+x^{15}+x^{16}+x^{18}+x^{22}+x^{23}+x^{25}
j=51, L=25, f=x^4+x^5+x^9+x^{10}+x^{15}+x^{16}+x^{18}+x^{22}+x^{23}+x^{25}
j = 52 \text{, } L = 27 \text{, } f = 1 + x + x^3 + x^5 + x^6 + x^8 + x^{10} + x^{11} + x^{13} + x^{16} + x^{19} + x^{20} + x^{22} + x^{23} + x^{24} + x^{25} + x^{27} + x^
j=53, L=27, f=1+x+x^3+x^5+x^6+x^8+x^{10}+x^{11}+x^{13}+x^{16}+x^{19}+x^{20}+x^{22}+x^{23}+x^{24}+x^{25}+x^{27}
j=54, L=27, f=1+x+x^3+x^5+x^6+x^8+x^{10}+x^{11}+x^{13}+x^{16}+x^{19}+x^{20}+x^{22}+x^{23}+x^{24}+x^{25}+x^{27}
j = 55 \text{, } L = 27 \text{, } f = 1 + x + x^3 + x^5 + x^6 + x^8 + x^{10} + x^{11} + x^{13} + x^{16} + x^{19} + x^{20} + x^{22} + x^{23} + x^{24} + x^{25} + x^{27} + x^
i=56, L=29, f=x^2+x^3+x^4+x^7+x^8+x^9+x^{12}+x^{13}+x^{16}+x^{21}+x^{23}+x^{24}+x^{26}+x^{27}+x^{29}
i=57, L=29, f=x+x^3+x^6+x^8+x^{11}+x^{13}+x^{14}+x^{16}+x^{17}+x^{20}+x^{25}+x^{27}+x^{28}+x^{29}
j=58, L=29, f=x+x^3+x^6+x^8+x^{11}+x^{13}+x^{14}+x^{16}+x^{17}+x^{20}+x^{25}+x^{27}+x^{28}+x^{29}
j=59, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^
            x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=60, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^
             x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=61, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{1
             x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
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j=62, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{1
                                     x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j\!=\!63\,\text{, }L\!=\!30\,\text{, }f\!=\!1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}
                                     x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=64, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^
                                     x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=65, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^
                                     x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=66, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^
                                     x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=67, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^
                                     x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=68, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^
                                     x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=69, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{1
                                  x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=70, L=30, f=1+x+x<sup>2</sup>+x<sup>3</sup>+x<sup>4</sup>+x<sup>5</sup>+x<sup>6</sup>+x<sup>7</sup>+x<sup>8</sup>+x<sup>9</sup>+x<sup>10</sup>+x<sup>11</sup>+x<sup>12</sup>+x<sup>13</sup>+x<sup>13</sup>+x<sup>14</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>+x<sup>15</sup>
                                     x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j = 71, \quad L = 30, \quad f = 1 + x + x^2 + x^3 + x^4 + x^5 + x^6 + x^7 + x^8 + x^9 + x^{10} + x^{11} + x^{12} + x^{13} + x^{14} + x^
                                     x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=72, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^
                                     x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=73, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{1
                                     x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=74, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{1
                                     x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=75, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{1
                                     x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j = 76, \quad L = 30, \quad f = 1 + x + x^2 + x^3 + x^4 + x^5 + x^6 + x^7 + x^8 + x^9 + x^{10} + x^{11} + x^{12} + x^{13} + x^{14} + x^
                                     x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=77, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^
                                  x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j = 78, L = 30, f = 1 + x + x^2 + x^3 + x^4 + x^5 + x^6 + x^7 + x^8 + x^9 + x^{10} + x^{11} + x^{12} + x^{13} + x^{14} + x^
                                     x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=79, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{1
                                  x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=80, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^
                                     x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=81, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^
                                     x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=82, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^
                                     x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=83, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^
                                       x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
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j=84, L=30, f=1+x+x<sup>2</sup>+x<sup>3</sup>+x<sup>4</sup>+x<sup>5</sup>+x<sup>6</sup>+x<sup>7</sup>+x<sup>8</sup>+x<sup>9</sup>+x<sup>10</sup>+x<sup>11</sup>+x<sup>12</sup>+x<sup>13</sup>+
                                  x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=85, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^
                                  x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
i=86, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{1
                                  x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=87, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^
                                  x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=88, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^
                                  x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=89, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{1
                                  x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=90, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{1
                                  x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=91, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{1
                                x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=92, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^
                                  x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j = 93 \, , \quad L = 30 \, , \quad f = 1 \, + \, x \, + \, x^{2} \, + \, x^{3} \, + \, x^{4} \, + \, x^{5} \, + \, x^{6} \, + \, x^{7} \, + \, x^{8} \, + \, x^{9} \, + \, x^{10} \, + \, x^{11} \, + \, x^{12} \, + \, x^{13} \, + \, x^{10} \, + \, x^{11} \, + \, x^{12} \, + \, x^{13} \, + \, x^{14} \, + \, x^{1
                                  x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=94, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{1
                                  x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=95, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^
                                  x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=96, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^
                                  x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=97, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^
                                  x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=98, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{1
                                  x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=99, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^
                                  x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=100, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x
                                  x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j = 101, \quad L = 30, \quad f = 1 \, + \, x \, + \, x^2 \, + \, x^3 \, + \, x^4 \, + \, x^5 \, + \, x^6 \, + \, x^7 \, + \, x^8 \, + \, x^9 \, + \, x^{10} \, + \, x^{11} \, + \, x^{12} \, + \, x^{13} \, + \, x^{14} \, + \,
                                  x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=102, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x
                                  x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j = 103, \quad L = 30, \quad f = 1 \, + \, x \, + \, x^2 \, + \, x^3 \, + \, x^4 \, + \, x^5 \, + \, x^6 \, + \, x^7 \, + \, x^8 \, + \, x^9 \, + \, x^{10} \, + \, x^{11} \, + \, x^{12} \, + \, x^{13} \, + \, x^{10} \, + \, x^{11} \, + \, x^{12} \, + \, x^{13} \, + \, x^{14} \, + \,
                                  x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=104, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{
                                  x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=105, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
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j=106, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=107, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=108, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=109, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=110, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=111, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{15}+x^{16}+x^{14}+x^{15}+x^{15}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30} + x^{21} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{29} + x^{21} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{29} + x^{29} + x^{21} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x
j=112, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{15}+x^{16}+x^{14}+x^{15}+x^{15}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=113, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{
                                 x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=114, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j = 115, \quad L = 30, \quad f = 1 + x + x^2 + x^3 + x^4 + x^5 + x^6 + x^7 + x^8 + x^9 + x^{10} + x^{11} + x^{12} + x^{13} + x^{14} + x^{14} + x^{14} + x^{15} + x
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=116, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=117, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{15}+x^{16}+x^{14}+x^{15}+x^{15}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=118, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=119, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=120, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=121, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=122, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=123, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=124, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j = 125, \quad L = 30, \quad f = 1 \, + \, x \, + \, x^2 \, + \, x^3 \, + \, x^4 \, + \, x^5 \, + \, x^6 \, + \, x^7 \, + \, x^8 \, + \, x^9 \, + \, x^{10} \, + \, x^{11} \, + \, x^{12} \, + \, x^{13} \, + \, x^{14} \, + \,
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=126, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=127, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x
                                      x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
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j=128, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=129, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=130, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=131, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=132, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x^{15}+x
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=133, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{15}+x^{16}+x^{14}+x^{15}+x^{15}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30} + x^{21} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{29} + x^{21} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{29} + x^{29} + x^{21} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x
j=134, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{15}+x^{16}+x^{14}+x^{15}+x^{15}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=135, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{
                                 x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=136, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j = 137, \quad L = 30, \quad f = 1 + x + x^2 + x^3 + x^4 + x^5 + x^6 + x^7 + x^8 + x^9 + x^{10} + x^{11} + x^{12} + x^{13} + x^{14} + x
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
i=138, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=139, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{15}+x^{16}+x^{14}+x^{15}+x^{15}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{16}+x^{
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=140, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=141, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
i=142, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=143, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=144, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=145, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=146, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j = 147, \quad L = 30, \quad f = 1 \, + \, x \, + \, x^2 \, + \, x^3 \, + \, x^4 \, + \, x^5 \, + \, x^6 \, + \, x^7 \, + \, x^8 \, + \, x^9 \, + \, x^{10} \, + \, x^{11} \, + \, x^{12} \, + \, x^{13} \, + \, x^{14} \, + \,
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=148, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{
                                    x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
j=149, L=30, f=1+x+x^2+x^3+x^4+x^5+x^6+x^7+x^8+x^9+x^{10}+x^{11}+x^{12}+x^{13}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x^{14}+x
                                      x^{14} + x^{15} + x^{16} + x^{17} + x^{18} + x^{19} + x^{20} + x^{21} + x^{22} + x^{23} + x^{24} + x^{25} + x^{26} + x^{27} + x^{28} + x^{29} + x^{30}
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