```
In[ ]:= a01 = y^3 - x^{28} z;
        MonomialList[a01, Reverse[{y, z, x}], "NegativeLexicographic"]
        単項式リスト          反転
Out[ ]= {{y^3, -x^28 z}}

In[ ]:= b01 = z^2 - x^{47} y;
        MonomialList[b01, Reverse[{y, z, x}], "NegativeLexicographic"]
        単項式リスト          反転
Out[ ]= {{z^2, -x^47 y}}

In[ ]:= c01 = y^2 z - x^{75};
        MonomialList[c01, Reverse[{y, z, x}], "NegativeLexicographic"]
        単項式リスト          反転
Out[ ]= {{y^2 z, -x^75}}

In[ ]:= d02 = PolynomialMod[Expand[(y a01 b01 - c01^2) / x^{28}], 2];
              多項式の法          展開
        MonomialList[d02, Reverse[{y, z, x}], "NegativeLexicographic"]
        単項式リスト          反転
Out[ ]= {{y z^3, x^19 y^5, x^47 y^2 z, x^122}}

In[ ]:= d03 = PolynomialMod[Expand[(c01 d02 - a01 b01^2) / x^19], 2];
              多項式の法          展開
        MonomialList[d03, Reverse[{y, z, x}], "NegativeLexicographic"]
        単項式リスト          反転
Out[ ]= {{y^7 z, x^9 z^5, x^28 y^4 z^2, x^56 y z^3, x^103 y^2 z, x^178}}

In[ ]:= d04 = PolynomialMod[Expand[(b01 d03 - a01^2 d02) / x^9], 2];
              多項式の法          展開
        MonomialList[d04, Reverse[{y, z, x}], "NegativeLexicographic"]
        単項式リスト          反転
Out[ ]= {{z^7, x^10 y^11, x^19 y^4 z^4, x^47 y z^5, x^94 y^2 z^3, x^113 y^6, x^141 y^3 z, x^216 y}}

In[ ]:= d07 = PolynomialMod[Expand[(d02^2 d03 - a01^3 d04) / x^9], 2];
              多項式の法          展開
        MonomialList[d07, Reverse[{y, z, x}], "NegativeLexicographic"]
        単項式リスト          反転
Out[ ]= {{y^2 z^11, x y^20, x^10 y^13 z^4, x^38 y^10 z^5, x^75 z^10, x^104 y^15,
          x^122 y z^8, x^132 y^12 z, x^188 y^6 z^3, x^216 y^3 z^4, x^244 z^5, x^263 y^4 z^2, x^338 y^2 z, x^413}}

In[ ]:= d09 = PolynomialMod[Expand[(a01^2 d07 - d02 d03 d04) / x], 2];
              多項式の法          展開
        MonomialList[d09, Reverse[{y, z, x}], "NegativeLexicographic"]
        単項式リスト          反転
Out[ ]= {{y^26, x^8 y z^15, x^18 y^12 z^8, x^27 y^5 z^12, x^28 y^23 z, x^46 y^9 z^9, x^56 y^20 z^2, x^74 y^6 z^10, x^102 y^3 z^11, x^103 y^21,
          x^196 y^5 z^7, x^206 y^16, x^215 y^9 z^4, x^234 y^13 z, x^262 y^10 z^2, x^290 y^7 z^3, x^412 y^6, x^440 y^3 z, x^468 z^2, x^515 y}}
```

In[]:=
```
d15 = PolynomialMod[Expand[(d03 d04^3 - a01 d07^2) / x^2], 2];
```
多項式の法　展開

```
MonomialList[d15, Reverse[{y, z, x}], "NegativeLexicographic"]
```
単項式リスト　反転

Out[]=
$$\{\{y^{43}, x^7 z^{26}, x^8 y^{18} z^{15}, x^{26} y^4 z^{23}, x^{27} y^{22} z^{12}, x^{45} y^8 z^{20}, x^{56} y^{37} z^2, x^{64} y^{12} z^{17}, x^{84} y^{34} z^3, x^{102} y^{20} z^{11}, x^{112} y^{31} z^4, x^{120} y^6 z^{19}, x^{121} y^{24} z^8, x^{139} y^{10} z^{16}, x^{140} y^{28} z^5, x^{168} y^{25} z^6, x^{195} y^4 z^{18}, x^{215} y^{26} z^4, x^{224} y^{19} z^8, x^{252} y^{16} z^9, x^{280} y^{13} z^{10}, x^{290} y^{24} z^3, x^{308} y^{10} z^{11}, x^{309} y^{28}, x^{336} y^7 z^{12}, x^{364} y^4 z^{13}, x^{383} y^8 z^{10}, x^{392} y z^{14}, x^{402} y^{12} z^7, x^{421} y^{16} z^4, x^{439} y^2 z^{12}, x^{440} y^{20} z, x^{496} y^{14} z^3, x^{514} z^{11}, x^{515} y^{18}, x^{533} y^4 z^8, x^{571} y^{12} z^2, x^{608} y^2 z^7, x^{627} y^6 z^4, x^{702} y^4 z^3, x^{721} y^8, x^{852} z\}\}$$

In[]:=
```
d25 = PolynomialMod[Expand[(d02 d03^3 d07^2 - d04^4 d09) / x^2], 2];
```
多項式の法　展開

```
MonomialList[d25, Reverse[{y, z, x}], "NegativeLexicographic"]
```
単項式リスト　反転

Out[]=
$$\{\{y^{62} z^6, x^6 y z^{43}, x^7 y^{19} z^{32}, x^9 y^{55} z^{10}, x^{17} y^{30} z^{25}, x^{19} y^{66} z^3, x^{26} y^{23} z^{29}, x^{35} y^{16} z^{33}, x^{36} y^{34} z^{22}, x^{38} y^{70}, x^{44} y^9 z^{37}, x^{45} y^{27} z^{26}, x^{46} y^{45} z^{15}, x^{55} y^{38} z^{19}, x^{63} y^{13} z^{34}, x^{66} y^{67} z, x^{72} y^6 z^{38}, x^{73} y^{24} z^{27}, x^{74} y^{42} z^{16}, x^{75} y^{60} z^5, x^{82} y^{17} z^{31}, x^{84} y^{53} z^9, x^{94} y^{64} z^2, x^{100} y^3 z^{39}, x^{101} y^{21} z^{28}, x^{102} y^{39} z^{17}, x^{110} y^{14} z^{32}, x^{111} y^{32} z^{21}, x^{119} y^7 z^{36}, x^{120} y^{25} z^{25}, x^{121} y^{43} z^{14}, x^{130} y^{36} z^{18}, x^{140} y^{47} z^{11}, x^{141} y^{65}, x^{147} y^4 z^{37}, x^{157} y^{15} z^{30}, x^{166} y^8 z^{34}, x^{175} y z^{38}, x^{176} y^{19} z^{27}, x^{177} y^{37} z^{16}, x^{187} y^{48} z^9, x^{197} y^{59} z^2, x^{205} y^{34} z^{17}, x^{213} y^9 z^{32}, x^{214} y^{27} z^{21}, x^{223} y^{20} z^{25}, x^{233} y^{31} z^{18}, x^{234} y^{49} z^7, x^{241} y^6 z^{33}, x^{243} y^{42} z^{11}, x^{244} y^{60}, x^{261} y^{28} z^{19}, x^{270} y^{21} z^{23}, x^{272} y^{57} z, x^{279} y^{14} z^{27}, x^{280} y^{32} z^{16}, x^{289} y^{25} z^{20}, x^{297} z^{35}, x^{308} y^{29} z^{17}, x^{309} y^{47} z^6, x^{316} y^4 z^{32}, x^{328} y^{51} z^3, x^{345} y^{19} z^{22}, x^{364} y^{23} z^{19}, x^{365} y^{41} z^8, x^{375} y^{52} z, x^{393} y^{38} z^9, x^{401} y^{13} z^{24}, x^{402} y^{31} z^{13}, x^{411} y^{24} z^{17}, x^{421} y^{35} z^{10}, x^{429} y^{10} z^{25}, x^{431} y^{46} z^3, x^{438} y^3 z^{29}, x^{448} y^{14} z^{22}, x^{449} y^{32} z^{11}, x^{458} y^{25} z^{15}, x^{477} y^{29} z^{12}, x^{485} y^4 z^{27}, x^{486} y^{22} z^{16}, x^{496} y^{33} z^9, x^{513} y z^{28}, x^{514} y^{19} z^{17}, x^{523} y^{12} z^{21}, x^{533} y^{23} z^{14}, x^{542} y^{16} z^{18}, x^{552} y^{27} z^{11}, x^{553} y^{45}, x^{581} y^{42} z, x^{590} y^{35} z^5, x^{599} y^{28} z^9, x^{609} y^{39} z^2, x^{617} y^{14} z^{17}, x^{626} y^7 z^{21}, x^{637} y^{36} z^3, x^{646} y^{29} z^7, x^{655} y^{22} z^{11}, x^{665} y^{33} z^4, x^{673} y^8 z^{19}, x^{684} y^{37} z, x^{692} y^{12} z^{16}, x^{701} y^5 z^{20}, x^{721} y^{27} z^6, x^{740} y^{31} z^3, x^{758} y^{17} z^{11}, x^{759} y^{35}, x^{777} y^{21} z^8, x^{796} y^{25} z^5, x^{805} y^{18} z^9, x^{814} y^{11} z^{13}, x^{815} y^{29} z^2, x^{824} y^{22} z^6, x^{833} y^{15} z^{10}, x^{843} y^{26} z^3, x^{852} y^{19} z^7, x^{861} y^{12} z^{11}, x^{862} y^{30}, x^{870} y^5 z^{15}, x^{871} y^{23} z^4, x^{889} y^9 z^{12}, x^{899} y^{20} z^5, x^{908} y^{13} z^9, x^{918} y^{24} z^2, x^{927} y^{17} z^6, x^{945} y^3 z^{14}, x^{964} y^7 z^{11}, x^{1002} y^{15} z^5, x^{1011} y^8 z^9, x^{1021} y^{19} z^2, x^{1058} y^9 z^7, x^{1067} y^2 z^{11}, x^{1068} y^{20}, x^{1077} y^{13} z^4, x^{1096} y^{17} z, x^{1133} y^7 z^6, x^{1152} y^{11} z^3, x^{1189} y z^8, x^{1199} y^{12} z, x^{1236} y^2 z^6, x^{1274} y^{10}, x^{1302} y^7 z, x^{1311} z^5, x^{1330} y^4 z^2, x^{1480}\}\}$$

In[ ]:=
```
d29 = PolynomialMod[Expand[(d02 d04^3 d15 - d03^2 d07^2 d09) / x^2], 2];
      多項式の法          展開
MonomialList[d29, Reverse[{y, z, x}], "NegativeLexicographic"]
単項式リスト                反転
```

Out[ ]=
$$\{\{y^{80} z^2, x^5 y z^{50}, x^{15} y^{12} z^{43}, x^{16} y^{30} z^{32}, x^{25} y^{23} z^{36}, x^{34} y^{16} z^{40}, x^{35} y^{34} z^{29}, x^{45} y^{45} z^{22}, x^{47} y^{81},$$
$$x^{53} y^{20} z^{37}, x^{55} y^{56} z^{15}, x^{56} y^{74} z^4, x^{65} y^{67} z^8, x^{72} y^{24} z^{34}, x^{74} y^{60} z^{12}, x^{75} y^{78} z, x^{81} y^{17} z^{38},$$
$$x^{90} y^{10} z^{42}, x^{91} y^{28} z^{31}, x^{92} y^{46} z^{20}, x^{93} y^{64} z^9, x^{99} y^3 z^{46}, x^{101} y^{39} z^{24}, x^{109} y^{14} z^{39}, x^{110} y^{32} z^{28},$$
$$x^{111} y^{50} z^{17}, x^{119} y^{25} z^{32}, x^{127} z^{47}, x^{129} y^{36} z^{25}, x^{130} y^{54} z^{14}, x^{139} y^{47} z^{18}, x^{147} y^{22} z^{33}, x^{148} y^{40} z^{22},$$
$$x^{149} y^{58} z^{11}, x^{165} y^8 z^{41}, x^{166} y^{26} z^{30}, x^{167} y^{44} z^{19}, x^{175} y^{19} z^{34}, x^{185} y^{30} z^{27}, x^{187} y^{66} z^5, x^{193} y^5 z^{42},$$
$$x^{195} y^{41} z^{20}, x^{203} y^{16} z^{35}, x^{204} y^{34} z^{24}, x^{205} y^{52} z^{13}, x^{221} y^2 z^{43}, x^{224} y^{56} z^{10}, x^{231} y^{13} z^{36},$$
$$x^{241} y^{24} z^{29}, x^{243} y^{60} z^7, x^{253} y^{71}, x^{260} y^{28} z^{26}, x^{261} y^{46} z^{15}, x^{262} y^{64} z^4, x^{279} y^{32} z^{23}, x^{281} y^{68} z,$$
$$x^{287} y^7 z^{38}, x^{289} y^{43} z^{16}, x^{297} y^{18} z^{31}, x^{298} y^{36} z^{20}, x^{316} y^{22} z^{28}, x^{317} y^{40} z^{17}, x^{318} y^{58} z^6,$$
$$x^{334} y^8 z^{36}, x^{335} y^{26} z^{25}, x^{336} y^{44} z^{14}, x^{337} y^{62} z^3, x^{343} y z^{40}, x^{354} y^{30} z^{22}, x^{355} y^{48} z^{11}, x^{356} y^{66},$$
$$x^{372} y^{16} z^{30}, x^{373} y^{34} z^{19}, x^{374} y^{52} z^8, x^{390} y^2 z^{38}, x^{391} y^{20} z^{27}, x^{393} y^{56} z^5, x^{410} y^{24} z^{24}, x^{411} y^{42} z^{13},$$
$$x^{412} y^{60} z^2, x^{421} y^{53} z^6, x^{428} y^{10} z^{32}, x^{429} y^{28} z^{21}, x^{430} y^{46} z^{10}, x^{437} y^3 z^{36}, x^{447} y^{14} z^{29},$$
$$x^{448} y^{32} z^{18}, x^{449} y^{50} z^7, x^{466} y^{18} z^{26}, x^{467} y^{36} z^{15}, x^{484} y^4 z^{34}, x^{485} y^{22} z^{23}, x^{486} y^{40} z^{12},$$
$$x^{505} y^{44} z^9, x^{513} y^{19} z^{24}, x^{515} y^{55} z^2, x^{531} y^5 z^{32}, x^{542} y^{34} z^{14}, x^{559} y^2 z^{33}, x^{560} y^{20} z^{22}, x^{561} y^{38} z^{11},$$
$$x^{562} y^{56}, x^{571} y^{49} z^4, x^{579} y^{24} z^{19}, x^{580} y^{42} z^8, x^{598} y^{28} z^{16}, x^{599} y^{46} z^5, x^{616} y^{14} z^{24}, x^{617} y^{32} z^{13},$$
$$x^{618} y^{50} z^2, x^{636} y^{36} z^{10}, x^{654} y^{22} z^{18}, x^{655} y^{40} z^7, x^{673} y^{26} z^{15}, x^{674} y^{44} z^4, x^{692} y^{30} z^{12},$$
$$x^{693} y^{48} z, x^{701} y^{23} z^{16}, x^{711} y^{34} z^9, x^{728} y^2 z^{28}, x^{730} y^{38} z^6, x^{747} y^6 z^{25}, x^{748} y^{24} z^{14}, x^{749} y^{42} z^3,$$
$$x^{757} y^{17} z^{18}, x^{777} y^{39} z^4, x^{823} y^{22} z^{13}, x^{833} y^{33} z^6, x^{851} y^{19} z^{14}, x^{869} y^5 z^{22}, x^{871} y^{41}, x^{880} y^{34} z^4,$$
$$x^{898} y^{20} z^{12}, x^{916} y^6 z^{20}, x^{927} y^{35} z^2, x^{935} y^{10} z^{17}, x^{936} y^{28} z^6, x^{945} y^{21} z^{10}, x^{954} y^{14} z^{14},$$
$$x^{963} y^7 z^{18}, x^{972} z^{22}, x^{974} y^{36}, x^{983} y^{29} z^4, x^{991} y^4 z^{19}, x^{992} y^{22} z^8, x^{1011} y^{26} z^5, x^{1019} y z^{20},$$
$$x^{1029} y^{12} z^{13}, x^{1030} y^{30} z^2, x^{1039} y^{23} z^6, x^{1048} y^{16} z^{10}, x^{1067} y^{20} z^7, x^{1085} y^6 z^{15}, x^{1095} y^{17} z^8,$$
$$x^{1104} y^{10} z^{12}, x^{1105} y^{28} z, x^{1123} y^{14} z^9, x^{1160} y^4 z^{14}, x^{1161} y^{22} z^3, x^{1179} y^8 z^{11}, x^{1189} y^{19} z^4,$$
$$x^{1198} y^{12} z^8, x^{1217} y^{16} z^5, x^{1245} y^{13} z^6, x^{1254} y^6 z^{10}, x^{1273} y^{10} z^7, x^{1283} y^{21}, x^{1301} y^7 z^8, x^{1311} y^{18} z,$$
$$x^{1339} y^{15} z^2, x^{1386} y^{16}, x^{1395} y^9 z^4, x^{1423} y^6 z^5, x^{1442} y^{10} z^2, x^{1489} y^{11}, x^{1592} y^6, x^{1648} z^2, x^{1695} y\}\}$$

In[ ]:=
```
d32 = PolynomialMod[Expand[(d03^3 d04^2 d15 - d07 d25) / x], 2];
      多項式の法        展開
MonomialList[d32, Reverse[{y, z, x}], "NegativeLexicographic"]
単項式リスト                反転
```

Out[ ]=
$$\{\{y^{82} z^{6}, x^{5} y^{3} z^{54}, x^{6} y^{21} z^{43}, x^{16} y^{32} z^{36}, x^{24} y^{7} z^{51}, x^{25} y^{25} z^{40}, x^{26} y^{43} z^{29}, x^{33} z^{55}, x^{38} y^{90},$$
$$x^{43} y^{11} z^{48}, x^{45} y^{47} z^{26}, x^{46} y^{65} z^{15}, x^{53} y^{22} z^{41}, x^{56} y^{76} z^{8}, x^{62} y^{15} z^{45}, x^{64} y^{51} z^{23}, x^{65} y^{69} z^{12},$$
$$x^{66} y^{87} z, x^{71} y^{8} z^{49}, x^{72} y^{26} z^{38}, x^{73} y^{44} z^{27}, x^{81} y^{19} z^{42}, x^{82} y^{37} z^{31}, x^{83} y^{55} z^{20}, x^{92} y^{48} z^{24},$$
$$x^{93} y^{66} z^{13}, x^{94} y^{84} z^{2}, x^{101} y^{41} z^{28}, x^{109} y^{16} z^{43}, x^{110} y^{34} z^{32}, x^{111} y^{52} z^{21}, x^{118} y^{9} z^{47}, x^{129} y^{38} z^{29},$$
$$x^{137} y^{13} z^{44}, x^{138} y^{31} z^{33}, x^{140} y^{67} z^{11}, x^{148} y^{42} z^{26}, x^{158} y^{53} z^{19}, x^{159} y^{71} z^{8}, x^{165} y^{10} z^{45},$$
$$x^{166} y^{28} z^{34}, x^{176} y^{39} z^{27}, x^{177} y^{57} z^{16}, x^{184} y^{14} z^{42}, x^{186} y^{50} z^{20}, x^{187} y^{68} z^{9}, x^{194} y^{25} z^{35},$$
$$x^{195} y^{43} z^{24}, x^{202} z^{50}, x^{205} y^{54} z^{17}, x^{212} y^{11} z^{43}, x^{213} y^{29} z^{32}, x^{214} y^{47} z^{21}, x^{223} y^{40} z^{25}, x^{231} y^{15} z^{40},$$
$$x^{233} y^{51} z^{18}, x^{234} y^{69} z^{7}, x^{241} y^{26} z^{33}, x^{250} y^{19} z^{37}, x^{253} y^{73} z^{4}, x^{259} y^{12} z^{41}, x^{261} y^{48} z^{19}, x^{262} y^{66} z^{8},$$
$$x^{269} y^{23} z^{34}, x^{270} y^{41} z^{23}, x^{280} y^{52} z^{16}, x^{281} y^{70} z^{5}, x^{289} y^{45} z^{20}, x^{297} y^{20} z^{35}, x^{298} y^{38} z^{24},$$
$$x^{306} y^{13} z^{39}, x^{316} y^{24} z^{32}, x^{317} y^{42} z^{21}, x^{325} y^{17} z^{36}, x^{328} y^{71} z^{3}, x^{334} y^{10} z^{40}, x^{336} y^{46} z^{18},$$
$$x^{347} y^{75}, x^{353} y^{14} z^{37}, x^{364} y^{43} z^{19}, x^{372} y^{18} z^{34}, x^{375} y^{72} z, x^{381} y^{11} z^{38}, x^{383} y^{47} z^{16}, x^{392} y^{40} z^{20},$$
$$x^{402} y^{51} z^{13}, x^{409} y^{8} z^{39}, x^{411} y^{44} z^{17}, x^{418} y z^{43}, x^{421} y^{55} z^{10}, x^{437} y^{5} z^{40}, x^{440} y^{59} z^{7}, x^{449} y^{52} z^{11},$$
$$x^{450} y^{70}, x^{459} y^{63} z^{4}, x^{465} y^{2} z^{41}, x^{486} y^{42} z^{16}, x^{487} y^{60} z^{5}, x^{494} y^{17} z^{31}, x^{504} y^{28} z^{24}, x^{512} y^{3} z^{39},$$
$$x^{513} y^{21} z^{28}, x^{522} y^{14} z^{32}, x^{524} y^{50} z^{10}, x^{531} y^{7} z^{36}, x^{534} y^{61} z^{3}, x^{540} z^{40}, x^{541} y^{18} z^{29}, x^{553} y^{65},$$
$$x^{559} y^{4} z^{37}, x^{562} y^{58} z^{4}, x^{578} y^{8} z^{34}, x^{581} y^{62} z, x^{588} y^{19} z^{27}, x^{590} y^{55} z^{5}, x^{607} y^{23} z^{24}, x^{609} y^{59} z^{2},$$
$$x^{634} y^{2} z^{36}, x^{635} y^{20} z^{25}, x^{637} y^{56} z^{3}, x^{682} y^{21} z^{23}, x^{692} y^{32} z^{16}, x^{701} y^{25} z^{20}, x^{710} y^{18} z^{24},$$
$$x^{712} y^{54} z^{2}, x^{728} y^{4} z^{32}, x^{729} y^{22} z^{21}, x^{757} y^{19} z^{22}, x^{758} y^{37} z^{11}, x^{777} y^{41} z^{8}, x^{785} y^{16} z^{23},$$
$$x^{805} y^{38} z^{9}, x^{814} y^{31} z^{13}, x^{824} y^{42} z^{6}, x^{833} y^{35} z^{10}, x^{850} y^{3} z^{29}, x^{861} y^{32} z^{11}, x^{862} y^{50}, x^{869} y^{7} z^{26},$$
$$x^{870} y^{25} z^{15}, x^{888} y^{11} z^{23}, x^{889} y^{29} z^{12}, x^{890} y^{47} z, x^{897} y^{4} z^{27}, x^{898} y^{22} z^{16}, x^{907} y^{15} z^{20},$$
$$x^{917} y^{26} z^{13}, x^{918} y^{44} z^{2}, x^{935} y^{12} z^{21}, x^{936} y^{30} z^{10}, x^{946} y^{41} z^{3}, x^{954} y^{16} z^{18}, x^{964} y^{27} z^{11},$$
$$x^{965} y^{45}, x^{972} y^{2} z^{26}, x^{982} y^{13} z^{19}, x^{983} y^{31} z^{8}, x^{993} y^{42} z, x^{1001} y^{17} z^{16}, x^{1002} y^{35} z^{5}, x^{1010} y^{10} z^{20},$$
$$x^{1011} y^{28} z^{9}, x^{1021} y^{39} z^{2}, x^{1029} y^{14} z^{17}, x^{1038} y^{7} z^{21}, x^{1049} y^{36} z^{3}, x^{1057} y^{11} z^{18}, x^{1058} y^{29} z^{7},$$
$$x^{1068} y^{40}, x^{1077} y^{33} z^{4}, x^{1085} y^{8} z^{19}, x^{1086} y^{26} z^{8}, x^{1105} y^{30} z^{5}, x^{1124} y^{34} z^{2}, x^{1133} y^{27} z^{6},$$
$$x^{1160} y^{6} z^{18}, x^{1161} y^{24} z^{7}, x^{1170} y^{17} z^{11}, x^{1189} y^{21} z^{8}, x^{1216} z^{20}, x^{1217} y^{18} z^{9}, x^{1226} y^{11} z^{13},$$
$$x^{1245} y^{15} z^{10}, x^{1273} y^{12} z^{11}, x^{1274} y^{30}, x^{1282} y^{5} z^{15}, x^{1301} y^{9} z^{12}, x^{1329} y^{6} z^{13}, x^{1330} y^{24} z^{2},$$
$$x^{1348} y^{10} z^{10}, x^{1358} y^{21} z^{3}, x^{1376} y^{7} z^{11}, x^{1377} y^{25}, x^{1395} y^{11} z^{8}, x^{1405} y^{22} z, x^{1414} y^{15} z^{5}, x^{1423} y^{8} z^{9},$$
$$x^{1433} y^{19} z^{2}, x^{1461} y^{16} z^{3}, x^{1470} y^{9} z^{7}, x^{1489} y^{13} z^{4}, x^{1498} y^{6} z^{8}, x^{1517} y^{10} z^{5}, x^{1536} y^{14} z^{2},$$
$$x^{1564} y^{11} z^{3}, x^{1583} y^{15}, x^{1592} y^{8} z^{4}, x^{1611} y^{12} z, x^{1648} y^{2} z^{6}, x^{1714} y^{7} z, x^{1742} y^{4} z^{2}, x^{1892}\}\}$$

In[ ]:=
```
d37 = PolynomialMod[Expand[(d03^5 d07 d15 - d04^2 d29) / x], 2];
```
多項式の法　展開

```
MonomialList[d37, Reverse[{y, z, x}], "NegativeLexicographic"]
```
単項式リスト　反転

Out[ ]=
$$\{\{y^{98} z^5, x^4 y z^{64}, x^6 y^{37} z^{42}, x^{14} y^{12} z^{57}, x^{16} y^{48} z^{35}, x^{18} y^{84} z^{13}, x^{19} y^{102} z^2, x^{26} y^{59} z^{28}, x^{28} y^{95} z^6,$$
$$x^{33} y^{16} z^{54}, x^{35} y^{52} z^{32}, x^{37} y^{88} z^{10}, x^{51} y^2 z^{62}, x^{52} y^{20} z^{51}, x^{53} y^{38} z^{40}, x^{62} y^{31} z^{44}, x^{66} y^{103},$$
$$x^{71} y^{24} z^{48}, x^{73} y^{60} z^{26}, x^{75} y^{96} z^4, x^{80} y^{17} z^{52}, x^{94} y^{100} z, x^{98} y^3 z^{60}, x^{108} y^{14} z^{53}, x^{109} y^{32} z^{42},$$
$$x^{110} y^{50} z^{31}, x^{118} y^{25} z^{46}, x^{120} y^{61} z^{24}, x^{129} y^{54} z^{28}, x^{130} y^{72} z^{17}, x^{140} y^{83} z^{10}, x^{145} y^4 z^{58},$$
$$x^{146} y^{22} z^{47}, x^{148} y^{58} z^{25}, x^{149} y^{76} z^{14}, x^{158} y^{69} z^{18}, x^{164} y^8 z^{55}, x^{166} y^{44} z^{33}, x^{168} y^{80} z^{11},$$
$$x^{174} y^{19} z^{48}, x^{178} y^{91} z^4, x^{183} y^{12} z^{52}, x^{184} y^{30} z^{41}, x^{185} y^{48} z^{30}, x^{196} y^{77} z^{12}, x^{203} y^{34} z^{38},$$
$$x^{204} y^{52} z^{27}, x^{205} y^{70} z^{16}, x^{214} y^{63} z^{20}, x^{220} y^2 z^{57}, x^{221} y^{20} z^{46}, x^{223} y^{56} z^{24}, x^{225} y^{92} z^2,$$
$$x^{230} y^{13} z^{50}, x^{234} y^{85} z^6, x^{239} y^6 z^{54}, x^{242} y^{60} z^{21}, x^{243} y^{78} z^{10}, x^{250} y^{35} z^{36}, x^{252} y^{71} z^{14},$$
$$x^{258} y^{10} z^{51}, x^{260} y^{46} z^{29}, x^{262} y^{82} z^7, x^{270} y^{57} z^{22}, x^{279} y^{50} z^{26}, x^{286} y^7 z^{52}, x^{290} y^{79} z^8,$$
$$x^{296} y^{18} z^{45}, x^{297} y^{36} z^{34}, x^{298} y^{54} z^{23}, x^{299} y^{72} z^{12}, x^{314} y^4 z^{53}, x^{315} y^{22} z^{42}, x^{316} y^{40} z^{31},$$
$$x^{328} y^{87} z^2, x^{335} y^{44} z^{28}, x^{336} y^{62} z^{17}, x^{337} y^{80} z^6, x^{342} y z^{54}, x^{346} y^{73} z^{10}, x^{352} y^{12} z^{47},$$
$$x^{355} y^{66} z^{14}, x^{364} y^{59} z^{18}, x^{371} y^{16} z^{44}, x^{372} y^{34} z^{33}, x^{375} y^{88}, x^{382} y^{45} z^{26}, x^{389} y^2 z^{52}, x^{391} y^{38} z^{30},$$
$$x^{392} y^{56} z^{19}, x^{393} y^{74} z^8, x^{410} y^{42} z^{27}, x^{420} y^{53} z^{20}, x^{438} y^{39} z^{28}, x^{440} y^{75} z^6, x^{446} y^{14} z^{43},$$
$$x^{448} y^{50} z^{21}, x^{458} y^{61} z^{14}, x^{465} y^{18} z^{40}, x^{476} y^{47} z^{22}, x^{485} y^{40} z^{26}, x^{486} y^{58} z^{15}, x^{487} y^{76} z^4,$$
$$x^{494} y^{33} z^{30}, x^{502} y^8 z^{45}, x^{504} y^{44} z^{23}, x^{514} y^{55} z^{16}, x^{521} y^{12} z^{42}, x^{524} y^{66} z^9, x^{541} y^{34} z^{28},$$
$$x^{542} y^{52} z^{17}, x^{543} y^{70} z^6, x^{552} y^{63} z^{10}, x^{568} y^{13} z^{40}, x^{570} y^{49} z^{18}, x^{578} y^{24} z^{33}, x^{580} y^{60} z^{11},$$
$$x^{588} y^{35} z^{26}, x^{596} y^{10} z^{41}, x^{597} y^{28} z^{30}, x^{598} y^{46} z^{19}, x^{608} y^{57} z^{12}, x^{618} y^{68} z^5, x^{635} y^{36} z^{24},$$
$$x^{636} y^{54} z^{13}, x^{637} y^{72} z^2, x^{644} y^{29} z^{28}, x^{654} y^{40} z^{21}, x^{664} y^{51} z^{14}, x^{673} y^{44} z^{18}, x^{674} y^{62} z^7,$$
$$x^{682} y^{37} z^{22}, x^{684} y^{73}, x^{690} y^{12} z^{37}, x^{691} y^{30} z^{26}, x^{692} y^{48} z^{15}, x^{693} y^{66} z^4, x^{700} y^{23} z^{30}, x^{702} y^{59} z^8,$$
$$x^{709} y^{16} z^{34}, x^{712} y^{70} z, x^{729} y^{38} z^{20}, x^{738} y^{31} z^{24}, x^{747} y^{24} z^{28}, x^{749} y^{60} z^6, x^{758} y^{53} z^{10},$$
$$x^{766} y^{28} z^{25}, x^{776} y^{39} z^{18}, x^{786} y^{50} z^{11}, x^{794} y^{25} z^{26}, x^{802} z^{41}, x^{804} y^{36} z^{19}, x^{812} y^{11} z^{34},$$
$$x^{814} y^{47} z^{12}, x^{821} y^4 z^{38}, x^{824} y^{58} z^5, x^{840} y^8 z^{35}, x^{841} y^{26} z^{24}, x^{843} y^{62} z^2, x^{850} y^{19} z^{28},$$
$$x^{860} y^{30} z^{21}, x^{861} y^{48} z^{10}, x^{868} y^5 z^{36}, x^{870} y^{41} z^{14}, x^{879} y^{34} z^{18}, x^{880} y^{52} z^7, x^{888} y^{27} z^{22},$$
$$x^{896} y^2 z^{37}, x^{897} y^{20} z^{26}, x^{898} y^{38} z^{15}, x^{899} y^{56} z^4, x^{906} y^{13} z^{30}, x^{908} y^{49} z^8, x^{916} y^{24} z^{23},$$
$$x^{934} y^{10} z^{31}, x^{936} y^{46} z^9, x^{954} y^{32} z^{17}, x^{973} y^{36} z^{14}, x^{974} y^{54} z^3, x^{982} y^{29} z^{18}, x^{993} y^{58}, x^{1000} y^{15} z^{26},$$
$$x^{1010} y^{26} z^{19}, x^{1018} y z^{34}, x^{1028} y^{12} z^{27}, x^{1030} y^{48} z^5, x^{1038} y^{23} z^{20}, x^{1048} y^{34} z^{13}, x^{1049} y^{52} z^2,$$
$$x^{1056} y^9 z^{28}, x^{1065} y^2 z^{32}, x^{1067} y^{38} z^{10}, x^{1084} y^6 z^{29}, x^{1085} y^{24} z^{18}, x^{1094} y^{17} z^{22}, x^{1096} y^{53},$$
$$x^{1104} y^{28} z^{15}, x^{1112} y^3 z^{30}, x^{1122} y^{14} z^{23}, x^{1123} y^{32} z^{12}, x^{1124} y^{50} z, x^{1132} y^{25} z^{16}, x^{1140} z^{31},$$
$$x^{1150} y^{11} z^{24}, x^{1160} y^{22} z^{17}, x^{1197} y^{12} z^{22}, x^{1198} y^{30} z^{11}, x^{1216} y^{16} z^{19}, x^{1217} y^{34} z^8, x^{1226} y^{27} z^{12},$$
$$x^{1234} y^2 z^{27}, x^{1235} y^{20} z^{16}, x^{1253} y^6 z^{24}, x^{1254} y^{24} z^{13}, x^{1272} y^{10} z^{21}, x^{1291} y^{14} z^{18}, x^{1310} y^{18} z^{15},$$
$$x^{1328} y^4 z^{23}, x^{1329} y^{22} z^{12}, x^{1347} y^8 z^{20}, x^{1356} y z^{24}, x^{1358} y^{37} z^2, x^{1366} y^{12} z^{17}, x^{1385} y^{16} z^{14},$$
$$x^{1403} y^2 z^{22}, x^{1404} y^{20} z^{11}, x^{1405} y^{38}, x^{1414} y^{31} z^4, x^{1422} y^6 z^{19}, x^{1423} y^{24} z^8, x^{1441} y^{10} z^{16},$$
$$x^{1450} y^3 z^{20}, x^{1460} y^{14} z^{13}, x^{1461} y^{32} z^2, x^{1470} y^{25} z^6, x^{1478} z^{21}, x^{1479} y^{18} z^{10}, x^{1498} y^{22} z^7,$$
$$x^{1508} y^{33}, x^{1516} y^8 z^{15}, x^{1535} y^{12} z^{12}, x^{1536} y^{30} z, x^{1544} y^5 z^{16}, x^{1554} y^{16} z^9, x^{1573} y^{20} z^6,$$
$$x^{1582} y^{13} z^{10}, x^{1591} y^6 z^{14}, x^{1610} y^{10} z^{11}, x^{1638} y^7 z^{12}, x^{1648} y^{18} z^5, x^{1666} y^4 z^{13}, x^{1667} y^{22} z^2,$$
$$x^{1694} y z^{14}, x^{1704} y^{12} z^7, x^{1723} y^{16} z^4, x^{1741} y^2 z^{12}, x^{1798} y^{14} z^3, x^{1816} z^{11}, x^{1817} y^{18}, x^{1826} y^{11} z^4,$$
$$x^{1835} y^4 z^8, x^{1854} y^8 z^5, x^{1910} y^2 z^7, x^{1929} y^6 z^4, x^{2032} y z^4, x^{2079} y^2 z^2, x^{2126} y^3, x^{2154} z\}\}$$

In[ ]:=
```
d41 =
  PolynomialMod[Expand[(y^2 a01^2 d04 d07^5 - z b01 d02 d03 d07^5 - x^9 y b01^2 d04 d07^5 -
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      x^10 y b01 d04^6 d07 d09 - x^14 y d02^2 d37 - x^15 y a01^2 d09 d15^2 -
      x^38 d04^8 d09 - x^39 d02 d04^6 d15 - x^42 d04 d37) / x^43], 2];
MonomialList[d41, Reverse[{y, z, x}], "NegativeLexicographic"]
```
単項式リスト　反転

Out[•]= $\{\{y^{116} z, x^3 y z^{71}, x^5 y^{37} z^{49}, x^8 y^{91} z^{16}, x^9 y^{109} z^5, x^{13} y^{12} z^{64}, x^{14} y^{30} z^{53}, x^{15} y^{48} z^{42}, x^{16} y^{66} z^{31},$
$x^{17} y^{84} z^{20}, x^{18} y^{102} z^9, x^{23} y^{23} z^{57}, x^{28} y^{113} z^2, x^{32} y^{16} z^{61}, x^{34} y^{52} z^{39}, x^{35} y^{70} z^{28}, x^{36} y^{88} z^{17},$
$x^{42} y^{27} z^{54}, x^{46} y^{99} z^{10}, x^{50} y^2 z^{69}, x^{51} y^{20} z^{58}, x^{54} y^{74} z^{25}, x^{55} y^{92} z^{14}, x^{60} y^{13} z^{62}, x^{62} y^{49} z^{40},$
$x^{64} y^{85} z^{18}, x^{69} y^6 z^{66}, x^{70} y^{24} z^{55}, x^{72} y^{60} z^{33}, x^{75} y^{114}, x^{81} y^{53} z^{37}, x^{82} y^{71} z^{26}, x^{83} y^{89} z^{15},$
$x^{84} y^{107} z^4, x^{88} y^{10} z^{63}, x^{89} y^{28} z^{52}, x^{91} y^{64} z^{30}, x^{97} y^3 z^{67}, x^{100} y^{57} z^{34}, x^{102} y^{93} z^{12}, x^{103} y^{111} z,$
$x^{108} y^{32} z^{49}, x^{109} y^{50} z^{38}, x^{111} y^{86} z^{16}, x^{112} y^{104} z^5, x^{116} y^7 z^{64}, x^{117} y^{25} z^{53}, x^{118} y^{43} z^{42},$
$x^{120} y^{79} z^{20}, x^{125} z^{68}, x^{126} y^{18} z^{57}, x^{128} y^{54} z^{35}, x^{130} y^{90} z^{13}, x^{131} y^{108} z^2, x^{136} y^{29} z^{50}, x^{140} y^{101} z^6,$
$x^{146} y^{40} z^{43}, x^{148} y^{76} z^{21}, x^{155} y^{33} z^{47}, x^{156} y^{51} z^{36}, x^{158} y^{87} z^{14}, x^{164} y^{26} z^{51}, x^{165} y^{44} z^{40},$
$x^{168} y^{98} z^7, x^{175} y^{55} z^{33}, x^{176} y^{73} z^{22}, x^{177} y^{91} z^{11}, x^{185} y^{66} z^{26}, x^{186} y^{84} z^{15}, x^{191} y^5 z^{63},$
$x^{192} y^{23} z^{52}, x^{194} y^{59} z^{30}, x^{196} y^{95} z^8, x^{203} y^{52} z^{34}, x^{205} y^{88} z^{12}, x^{210} y^9 z^{60}, x^{212} y^{45} z^{38},$
$x^{219} y^2 z^{64}, x^{221} y^{38} z^{42}, x^{222} y^{56} z^{31}, x^{223} y^{74} z^{20}, x^{230} y^{31} z^{46}, x^{232} y^{67} z^{24}, x^{233} y^{85} z^{13},$
$x^{234} y^{103} z^2, x^{238} y^6 z^{61}, x^{240} y^{42} z^{39}, x^{241} y^{60} z^{28}, x^{243} y^{96} z^6, x^{249} y^{35} z^{43}, x^{250} y^{53} z^{32},$
$x^{252} y^{89} z^{10}, x^{257} y^{10} z^{58}, x^{258} y^{28} z^{47}, x^{268} y^{39} z^{40}, x^{271} y^{93} z^7, x^{278} y^{50} z^{33}, x^{279} y^{68} z^{22},$
$x^{280} y^{86} z^{11}, x^{285} y^7 z^{59}, x^{286} y^{25} z^{48}, x^{288} y^{61} z^{26}, x^{296} y^{36} z^{41}, x^{298} y^{72} z^{19}, x^{299} y^{90} z^8,$
$x^{305} y^{29} z^{45}, x^{308} y^{83} z^{12}, x^{309} y^{101} z, x^{316} y^{58} z^{27}, x^{324} y^{33} z^{42}, x^{326} y^{69} z^{20}, x^{341} y z^{61}, x^{343} y^{37} z^{39},$
$x^{344} y^{55} z^{28}, x^{352} y^{30} z^{43}, x^{354} y^{66} z^{21}, x^{362} y^{41} z^{36}, x^{365} y^{95} z^3, x^{371} y^{34} z^{40}, x^{372} y^{52} z^{29},$
$x^{373} y^{70} z^{18}, x^{379} y^9 z^{55}, x^{380} y^{27} z^{44}, x^{384} y^{99}, x^{390} y^{38} z^{37}, x^{392} y^{74} z^{15}, x^{399} y^{31} z^{41}, x^{400} y^{49} z^{30},$
$x^{402} y^{85} z^8, x^{407} y^6 z^{56}, x^{408} y^{24} z^{45}, x^{409} y^{42} z^{34}, x^{411} y^{78} z^{12}, x^{412} y^{96} z, x^{417} y^{17} z^{49}, x^{427} y^{28} z^{42},$
$x^{429} y^{64} z^{20}, x^{430} y^{82} z^9, x^{435} y^3 z^{57}, x^{436} y^{21} z^{46}, x^{437} y^{39} z^{35}, x^{438} y^{57} z^{24}, x^{445} y^{14} z^{50},$
$x^{447} y^{50} z^{28}, x^{448} y^{68} z^{17}, x^{454} y^7 z^{54}, x^{456} y^{43} z^{32}, x^{458} y^{79} z^{10}, x^{465} y^{36} z^{36}, x^{467} y^{72} z^{14},$
$x^{473} y^{11} z^{51}, x^{474} y^{29} z^{40}, x^{483} y^{22} z^{44}, x^{484} y^{40} z^{33}, x^{487} y^{94}, x^{492} y^{15} z^{48}, x^{493} y^{33} z^{37}, x^{503} y^{44} z^{30},$
$x^{505} y^{80} z^8, x^{510} y z^{56}, x^{512} y^{37} z^{34}, x^{515} y^{91} z, x^{522} y^{48} z^{27}, x^{524} y^{84} z^5, x^{530} y^{23} z^{42}, x^{539} y^{16} z^{46},$
$x^{543} y^{88} z^2, x^{550} y^{45} z^{28}, x^{552} y^{81} z^6, x^{557} y^2 z^{54}, x^{561} y^{74} z^{10}, x^{567} y^{13} z^{47}, x^{568} y^{31} z^{36},$
$x^{570} y^{67} z^{14}, x^{577} y^{24} z^{40}, x^{578} y^{42} z^{29}, x^{586} y^{17} z^{44}, x^{587} y^{35} z^{33}, x^{595} y^{10} z^{48}, x^{596} y^{28} z^{37},$
$x^{597} y^{46} z^{26}, x^{598} y^{64} z^{15}, x^{599} y^{82} z^4, x^{608} y^{75} z^8, x^{614} y^{14} z^{45}, x^{615} y^{32} z^{34}, x^{616} y^{50} z^{23},$
$x^{617} y^{68} z^{12}, x^{624} y^{25} z^{38}, x^{632} z^{53}, x^{635} y^{54} z^{20}, x^{642} y^{11} z^{46}, x^{646} y^{83} z^2, x^{653} y^{40} z^{28}, x^{654} y^{58} z^{17},$
$x^{655} y^{76} z^6, x^{661} y^{15} z^{43}, x^{664} y^{69} z^{10}, x^{670} y^8 z^{47}, x^{671} y^{26} z^{36}, x^{672} y^{44} z^{25}, x^{680} y^{19} z^{40},$
$x^{682} y^{55} z^{18}, x^{689} y^{12} z^{44}, x^{691} y^{48} z^{22}, x^{692} y^{66} z^{11}, x^{693} y^{84}, x^{702} y^{77} z^4, x^{717} y^9 z^{45}, x^{718} y^{27} z^{34},$
$x^{720} y^{63} z^{12}, x^{721} y^{81} z, x^{727} y^{20} z^{38}, x^{730} y^{74} z^5, x^{736} y^{13} z^{42}, x^{748} y^{60} z^{13}, x^{749} y^{78} z^2, x^{755} y^{17} z^{39},$
$x^{757} y^{53} z^{17}, x^{764} y^{10} z^{43}, x^{765} y^{28} z^{32}, x^{766} y^{46} z^{21}, x^{767} y^{64} z^{10}, x^{774} y^{21} z^{36}, x^{775} y^{39} z^{25},$
$x^{776} y^{57} z^{14}, x^{783} y^{14} z^{40}, x^{784} y^{32} z^{29}, x^{785} y^{50} z^{18}, x^{786} y^{68} z^7, x^{792} y^7 z^{44}, x^{801} z^{48}, x^{802} y^{18} z^{37},$
$x^{803} y^{36} z^{26}, x^{805} y^{72} z^4, x^{811} y^{11} z^{41}, x^{812} y^{29} z^{30}, x^{820} y^4 z^{45}, x^{823} y^{58} z^{12}, x^{830} y^{15} z^{38},$
$x^{832} y^{51} z^{16}, x^{833} y^{69} z^5, x^{839} y^8 z^{42}, x^{848} y z^{46}, x^{849} y^{19} z^{35}, x^{852} y^{73} z^2, x^{858} y^{12} z^{39}, x^{859} y^{30} z^{28},$
$x^{860} y^{48} z^{17}, x^{861} y^{66} z^6, x^{868} y^{23} z^{32}, x^{869} y^{41} z^{21}, x^{870} y^{59} z^{10}, x^{877} y^{16} z^{36}, x^{879} y^{52} z^{14},$
$x^{880} y^{70} z^3, x^{886} y^9 z^{40}, x^{895} y^2 z^{44}, x^{896} y^{20} z^{33}, x^{906} y^{31} z^{26}, x^{907} y^{49} z^{15}, x^{908} y^{67} z^4, x^{914} y^6 z^{41},$
$x^{915} y^{24} z^{30}, x^{917} y^{60} z^8, x^{926} y^{53} z^{12}, x^{927} y^{71} z, x^{943} y^{21} z^{31}, x^{952} y^{14} z^{35}, x^{954} y^{50} z^{13}, x^{955} y^{68} z^2,$
$x^{962} y^{25} z^{28}, x^{964} y^{61} z^6, x^{972} y^{36} z^{21}, x^{982} y^{47} z^{14}, x^{989} y^4 z^{40}, x^{990} y^{22} z^{29}, x^{1000} y^{33} z^{22},$
$x^{1001} y^{51} z^{11}, x^{1002} y^{69}, x^{1010} y^{44} z^{15}, x^{1011} y^{62} z^4, x^{1018} y^{19} z^{30}, x^{1020} y^{55} z^8, x^{1029} y^{48} z^{12},$
$x^{1037} y^{23} z^{27}, x^{1046} y^{16} z^{31}, x^{1047} y^{34} z^{20}, x^{1056} y^{27} z^{24}, x^{1057} y^{45} z^{13}, x^{1058} y^{63} z^2, x^{1064} y^2 z^{39},$
$x^{1065} y^{20} z^{28}, x^{1067} y^{56} z^6, x^{1074} y^{13} z^{32}, x^{1076} y^{49} z^{10}, x^{1083} y^6 z^{36}, x^{1093} y^{17} z^{29}, x^{1095} y^{53} z^7,$
$x^{1103} y^{28} z^{22}, x^{1104} y^{46} z^{11}, x^{1112} y^{21} z^{26}, x^{1114} y^{57} z^4, x^{1122} y^{32} z^{19}, x^{1123} y^{50} z^8, x^{1131} y^{25} z^{23},$
$x^{1132} y^{43} z^{12}, x^{1140} y^{18} z^{27}, x^{1142} y^{54} z^5, x^{1150} y^{29} z^{20}, x^{1151} y^{47} z^9, x^{1159} y^{22} z^{24}, x^{1160} y^{40} z^{13},$
$x^{1168} y^{15} z^{28}, x^{1169} y^{33} z^{17}, x^{1170} y^{51} z^6, x^{1177} y^8 z^{32}, x^{1178} y^{26} z^{21}, x^{1179} y^{44} z^{10}, x^{1186} y z^{36},$
$x^{1187} y^{19} z^{25}, x^{1188} y^{37} z^{14}, x^{1189} y^{55} z^3, x^{1196} y^{12} z^{29}, x^{1198} y^{48} z^7, x^{1206} y^{23} z^{22}, x^{1216} y^{34} z^{15},$
$x^{1224} y^9 z^{30}, x^{1225} y^{27} z^{19}, x^{1226} y^{45} z^8, x^{1236} y^{56} z, x^{1244} y^{31} z^{16}, x^{1245} y^{49} z^5, x^{1253} y^{24} z^{20},$
$x^{1254} y^{42} z^9, x^{1271} y^{10} z^{28}, x^{1272} y^{28} z^{17}, x^{1292} y^{50} z^3, x^{1309} y^{18} z^{22}, x^{1319} y^{29} z^{15}, x^{1327} y^4 z^{30},$
$x^{1329} y^{40} z^8, x^{1338} y^{33} z^{12}, x^{1339} y^{51} z, x^{1346} y^8 z^{27}, x^{1347} y^{26} z^{16}, x^{1366} y^{30} z^{13}, x^{1367} y^{48} z^2,$
$x^{1374} y^5 z^{28}, x^{1384} y^{16} z^{21}, x^{1385} y^{34} z^{10}, x^{1402} y^2 z^{29}, x^{1413} y^{31} z^{11}, x^{1414} y^{49}, x^{1421} y^6 z^{26},$

$x^{1440} y^{10} z^{23}, x^{1459} y^{14} z^{20}, x^{1469} y^{25} z^{13}, x^{1470} y^{43} z^{2}, x^{1477} z^{28}, x^{1478} y^{18} z^{17}, x^{1496} y^{4} z^{25},$
$x^{1498} y^{40} z^{3}, x^{1506} y^{15} z^{18}, x^{1515} y^{8} z^{22}, x^{1535} y^{30} z^{8}, x^{1553} y^{16} z^{16}, x^{1554} y^{34} z^{5}, x^{1563} y^{27} z^{9},$
$x^{1582} y^{31} z^{6}, x^{1591} y^{24} z^{10}, x^{1609} y^{10} z^{18}, x^{1610} y^{28} z^{7}, x^{1618} y^{3} z^{22}, x^{1629} y^{32} z^{4}, x^{1646} z^{23},$
$x^{1648} y^{36} z, x^{1657} y^{29} z^{5}, x^{1676} y^{33} z^{2}, x^{1684} y^{8} z^{17}, x^{1694} y^{19} z^{10}, x^{1704} y^{30} z^{3}, x^{1722} y^{16} z^{11},$
$x^{1731} y^{9} z^{15}, x^{1732} y^{27} z^{4}, x^{1740} y^{2} z^{19}, x^{1741} y^{20} z^{8}, x^{1751} y^{31} z, x^{1759} y^{6} z^{16}, x^{1760} y^{24} z^{5},$
$x^{1779} y^{28} z^{2}, x^{1788} y^{21} z^{6}, x^{1797} y^{14} z^{10}, x^{1806} y^{7} z^{14}, x^{1816} y^{18} z^{7}, x^{1825} y^{11} z^{11}, x^{1826} y^{29},$
$x^{1834} y^{4} z^{15}, x^{1844} y^{15} z^{8}, x^{1854} y^{26} z, x^{1862} y z^{16}, x^{1872} y^{12} z^{9}, x^{1881} y^{5} z^{13}, x^{1900} y^{9} z^{10}, x^{1919} y^{13} z^{7},$
$x^{1928} y^{6} z^{11}, x^{1929} y^{24}, x^{1938} y^{17} z^{4}, x^{1947} y^{10} z^{8}, x^{1956} y^{3} z^{12}, x^{1957} y^{21} z, x^{1985} y^{18} z^{2}, x^{1994} y^{11} z^{6},$
$x^{2013} y^{15} z^{3}, x^{2022} y^{8} z^{7}, x^{2041} y^{12} z^{4}, x^{2050} y^{5} z^{8}, x^{2060} y^{16} z, x^{2088} y^{13} z^{2}, x^{2116} y^{10} z^{3}, x^{2135} y^{14},$
$x^{2144} y^{7} z^{4}, x^{2153} z^{8}, x^{2163} y^{11} z, x^{2191} y^{8} z^{2}, x^{2238} y^{9}, x^{2294} y^{3} z^{2}, x^{2322} z^{3}, x^{2341} y^{4}, x^{2369} y z\}\}$

In[ ]:=
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d43 = PolynomialMod[
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多項式の法
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  Expand[(y^2 a01^2 d04 d07^4 d09 - z b01 d02 d03 d07^4 d09 - x^9 y b01^2 d04 d07^4 d09 -
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展開
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    x^10 z a01 d02 d04 d07^3 d15 - x^11 y a01 b01 d02 d07^2 d25 - x^12 y a01 b01 d02
     d07 d32 - x^13 y b01 d02 d03 d37 - x^14 y a01^4 d09 d15^2 - x^22 y d02 d04 d37 -
    x^27 y a01 d03 d04 d07^5 - x^29 y d03 d04 d07^3 d15 - x^39 d02^2 d07^2 d25 -
    x^40 d02^2 d07 d32 - x^41 a01^2 d04 d37 - x^42 a01^2 d41 - x^45 d02 d04^5 d07^3 -
    x^46 d02 d03^2 d07^5 - x^47 d04^7 d15 - x^48 d03^2 d04^2 d07^2 d15) / x^51], 2];
MonomialList[d43, Reverse[{y, z, x}], "NegativeLexicographic"]
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Out[ ]=
$\{\{y^{115} z^{5}, x^{3} z^{75}, x^{4} y^{18} z^{64}, x^{5} y^{36} z^{53}, x^{6} y^{54} z^{42}, x^{9} y^{108} z^{9}, x^{13} y^{11} z^{68}, x^{14} y^{29} z^{57}, x^{15} y^{47} z^{46},$
$x^{16} y^{65} z^{35}, x^{23} y^{22} z^{61}, x^{26} y^{76} z^{28}, x^{28} y^{112} z^{6}, x^{35} y^{69} z^{32}, x^{36} y^{87} z^{21}, x^{46} y^{98} z^{14}, x^{50} y z^{73},$
$x^{51} y^{19} z^{62}, x^{53} y^{55} z^{40}, x^{54} y^{73} z^{29}, x^{55} y^{91} z^{18}, x^{60} y^{12} z^{66}, x^{64} y^{84} z^{22}, x^{66} y^{120}, x^{69} y^{5} z^{70},$
$x^{75} y^{113} z^{4}, x^{80} y^{34} z^{52}, x^{81} y^{52} z^{41}, x^{83} y^{88} z^{19}, x^{84} y^{106} z^{8}, x^{88} y^{9} z^{67}, x^{91} y^{63} z^{34}, x^{98} y^{20} z^{60},$
$x^{99} y^{38} z^{49}, x^{100} y^{56} z^{38}, x^{102} y^{92} z^{16}, x^{107} y^{13} z^{64}, x^{111} y^{85} z^{20}, x^{116} y^{6} z^{68}, x^{120} y^{78} z^{24},$
$x^{122} y^{114} z^{2}, x^{131} y^{107} z^{6}, x^{145} y^{21} z^{58}, x^{147} y^{57} z^{36}, x^{148} y^{75} z^{25}, x^{149} y^{93} z^{14}, x^{155} y^{32} z^{51},$
$x^{158} y^{86} z^{18}, x^{163} y^{7} z^{66}, x^{165} y^{43} z^{44}, x^{166} y^{61} z^{33}, x^{168} y^{97} z^{11}, x^{169} y^{115}, x^{174} y^{36} z^{48}, x^{192} y^{22} z^{56},$
$x^{196} y^{94} z^{12}, x^{197} y^{112} z, x^{201} y^{15} z^{60}, x^{202} y^{33} z^{49}, x^{205} y^{87} z^{16}, x^{211} y^{26} z^{53}, x^{214} y^{80} z^{20}, x^{219} y z^{68},$
$x^{221} y^{37} z^{46}, x^{224} y^{91} z^{13}, x^{225} y^{109} z^{2}, x^{232} y^{66} z^{28}, x^{233} y^{84} z^{17}, x^{234} y^{102} z^{6}, x^{238} y^{5} z^{65},$
$x^{242} y^{77} z^{21}, x^{243} y^{95} z^{10}, x^{250} y^{52} z^{36}, x^{257} y^{9} z^{62}, x^{259} y^{45} z^{40}, x^{260} y^{63} z^{29}, x^{269} y^{56} z^{33},$
$x^{278} y^{49} z^{37}, x^{286} y^{24} z^{52}, x^{290} y^{96} z^{8}, x^{295} y^{17} z^{56}, x^{297} y^{53} z^{34}, x^{299} y^{89} z^{12}, x^{305} y^{28} z^{49},$
$x^{308} y^{82} z^{16}, x^{309} y^{100} z^{5}, x^{313} y^{3} z^{64}, x^{315} y^{39} z^{42}, x^{326} y^{68} z^{24}, x^{327} y^{86} z^{13}, x^{328} y^{104} z^{2},$
$x^{336} y^{79} z^{17}, x^{337} y^{97} z^{6}, x^{341} z^{65}, x^{351} y^{11} z^{58}, x^{353} y^{47} z^{36}, x^{354} y^{65} z^{25}, x^{371} y^{33} z^{44}, x^{372} y^{51} z^{33},$
$x^{384} y^{98} z^{4}, x^{389} y^{19} z^{52}, x^{393} y^{91} z^{8}, x^{400} y^{48} z^{34}, x^{403} y^{102} z, x^{407} y^{5} z^{60}, x^{409} y^{41} z^{38}, x^{412} y^{95} z^{5},$
$x^{417} y^{16} z^{53}, x^{420} y^{70} z^{20}, x^{427} y^{27} z^{46}, x^{430} y^{81} z^{13}, x^{436} y^{20} z^{50}, x^{438} y^{56} z^{28}, x^{445} y^{13} z^{54},$
$x^{448} y^{67} z^{21}, x^{454} y^{6} z^{58}, x^{459} y^{96} z^{3}, x^{465} y^{35} z^{40}, x^{466} y^{53} z^{29}, x^{474} y^{28} z^{44}, x^{484} y^{39} z^{37},$
$x^{487} y^{93} z^{4}, x^{502} y^{25} z^{45}, x^{511} y^{18} z^{49}, x^{512} y^{36} z^{38}, x^{514} y^{72} z^{16}, x^{515} y^{90} z^{5}, x^{521} y^{29} z^{42},$
$x^{524} y^{83} z^{9}, x^{529} y^{4} z^{57}, x^{531} y^{40} z^{35}, x^{532} y^{58} z^{24}, x^{542} y^{69} z^{17}, x^{543} y^{87} z^{6}, x^{548} y^{8} z^{54}, x^{550} y^{44} z^{32},$
$x^{557} y z^{58}, x^{560} y^{55} z^{25}, x^{568} y^{30} z^{40}, x^{577} y^{23} z^{44}, x^{581} y^{95}, x^{586} y^{16} z^{48}, x^{596} y^{27} z^{41}, x^{606} y^{38} z^{34},$
$x^{608} y^{74} z^{12}, x^{609} y^{92} z, x^{614} y^{13} z^{49}, x^{615} y^{31} z^{38}, x^{618} y^{85} z^{5}, x^{626} y^{60} z^{20}, x^{633} y^{17} z^{46},$
$x^{636} y^{71} z^{13}, x^{637} y^{89} z^{2}, x^{644} y^{46} z^{28}, x^{651} y^{3} z^{54}, x^{654} y^{57} z^{21}, x^{662} y^{32} z^{36}, x^{671} y^{25} z^{40},$
$x^{672} y^{43} z^{29}, x^{680} y^{18} z^{44}, x^{681} y^{36} z^{33}, x^{684} y^{90}, x^{689} y^{11} z^{48}, x^{690} y^{29} z^{37}, x^{698} y^{4} z^{52}, x^{702} y^{76} z^{8},$
$x^{708} y^{15} z^{45}, x^{709} y^{33} z^{34}, x^{712} y^{87} z, x^{717} y^{8} z^{49}, x^{720} y^{62} z^{16}, x^{721} y^{80} z^{5}, x^{726} y z^{53}, x^{727} y^{19} z^{42},$
$x^{730} y^{73} z^{9}, x^{738} y^{48} z^{24}, x^{740} y^{84} z^{2}, x^{748} y^{59} z^{17}, x^{756} y^{34} z^{32}, x^{757} y^{52} z^{21}, x^{758} y^{70} z^{10},$
$x^{765} y^{27} z^{36}, x^{767} y^{63} z^{14}, x^{774} y^{20} z^{40}, x^{775} y^{38} z^{29}, x^{783} y^{13} z^{44}, x^{784} y^{31} z^{33}, x^{787} y^{85}, x^{796} y^{78} z^{4},$
$x^{802} y^{17} z^{41}, x^{803} y^{35} z^{30}, x^{805} y^{71} z^{8}, x^{814} y^{64} z^{12}, x^{815} y^{82} z, x^{820} y^{3} z^{49}, x^{821} y^{21} z^{38}, x^{824} y^{75} z^{5},$
$x^{833} y^{68} z^{9}, x^{839} y^{7} z^{46}, x^{842} y^{61} z^{13}, x^{843} y^{79} z^{2}, x^{848} z^{50}, x^{851} y^{54} z^{17}, x^{852} y^{72} z^{6}, x^{859} y^{29} z^{32},$

$$x^{860} y^{47} z^{21}, x^{868} y^{22} z^{36}, x^{877} y^{15} z^{40}, x^{878} y^{33} z^{29}, x^{886} y^{8} z^{44}, x^{895} y z^{48}, x^{897} y^{37} z^{26}, x^{899} y^{73} z^{4},$$
$$x^{905} y^{12} z^{41}, x^{907} y^{48} z^{19}, x^{908} y^{66} z^{8}, x^{914} y^{5} z^{45}, x^{915} y^{23} z^{34}, x^{917} y^{59} z^{12}, x^{924} y^{16} z^{38},$$
$$x^{933} y^{9} z^{42}, x^{936} y^{63} z^{9}, x^{942} y^{2} z^{46}, x^{953} y^{31} z^{28}, x^{963} y^{42} z^{21}, x^{972} y^{35} z^{25}, x^{973} y^{53} z^{14},$$
$$x^{989} y^{3} z^{44}, x^{990} y^{21} z^{33}, x^{1008} y^{7} z^{41}, x^{1009} y^{25} z^{30}, x^{1011} y^{61} z^{8}, x^{1018} y^{18} z^{34}, x^{1020} y^{54} z^{12},$$
$$x^{1021} y^{72} z, x^{1047} y^{33} z^{24}, x^{1048} y^{51} z^{13}, x^{1049} y^{69} z^{2}, x^{1056} y^{26} z^{28}, x^{1057} y^{44} z^{17}, x^{1064} y z^{43},$$
$$x^{1066} y^{37} z^{21}, x^{1067} y^{55} z^{10}, x^{1074} y^{12} z^{36}, x^{1083} y^{5} z^{40}, x^{1084} y^{23} z^{29}, x^{1093} y^{16} z^{33}, x^{1096} y^{70},$$
$$x^{1102} y^{9} z^{37}, x^{1103} y^{27} z^{26}, x^{1105} y^{63} z^{4}, x^{1114} y^{56} z^{8}, x^{1123} y^{49} z^{12}, x^{1130} y^{6} z^{38}, x^{1132} y^{42} z^{16},$$
$$x^{1141} y^{35} z^{20}, x^{1142} y^{53} z^{9}, x^{1150} y^{28} z^{24}, x^{1152} y^{64} z^{2}, x^{1159} y^{21} z^{28}, x^{1160} y^{39} z^{17}, x^{1161} y^{57} z^{6},$$
$$x^{1168} y^{14} z^{32}, x^{1169} y^{32} z^{21}, x^{1177} y^{7} z^{36}, x^{1178} y^{25} z^{25}, x^{1179} y^{43} z^{14}, x^{1188} y^{36} z^{18}, x^{1196} y^{11} z^{33},$$
$$x^{1197} y^{29} z^{22}, x^{1206} y^{22} z^{26}, x^{1208} y^{58} z^{4}, x^{1217} y^{51} z^{8}, x^{1224} y^{8} z^{34}, x^{1244} y^{30} z^{20}, x^{1262} y^{16} z^{28},$$
$$x^{1263} y^{34} z^{17}, x^{1264} y^{52} z^{6}, x^{1271} y^{9} z^{32}, x^{1272} y^{27} z^{21}, x^{1273} y^{45} z^{10}, x^{1280} y^{2} z^{36}, x^{1281} y^{20} z^{25},$$
$$x^{1283} y^{56} z^{3}, x^{1290} y^{13} z^{29}, x^{1300} y^{24} z^{22}, x^{1309} y^{17} z^{26}, x^{1327} y^{3} z^{34}, x^{1329} y^{39} z^{12}, x^{1330} y^{57} z,$$
$$x^{1356} y^{18} z^{24}, x^{1358} y^{54} z^{2}, x^{1367} y^{47} z^{6}, x^{1384} y^{15} z^{25}, x^{1385} y^{33} z^{14}, x^{1403} y^{19} z^{22}, x^{1423} y^{41} z^{8},$$
$$x^{1433} y^{52} z, x^{1441} y^{27} z^{16}, x^{1461} y^{49} z^{2}, x^{1468} y^{6} z^{28}, x^{1469} y^{24} z^{17}, x^{1479} y^{35} z^{10}, x^{1496} y^{3} z^{29},$$
$$x^{1507} y^{32} z^{11}, x^{1508} y^{50}, x^{1535} y^{29} z^{12}, x^{1544} y^{22} z^{16}, x^{1554} y^{33} z^{9}, x^{1562} y^{8} z^{24}, x^{1564} y^{44} z^{2},$$
$$x^{1590} y^{5} z^{25}, x^{1591} y^{23} z^{14}, x^{1592} y^{41} z^{3}, x^{1600} y^{16} z^{18}, x^{1620} y^{38} z^{4}, x^{1629} y^{31} z^{8}, x^{1647} y^{17} z^{16},$$
$$x^{1656} y^{10} z^{20}, x^{1685} y^{25} z^{10}, x^{1703} y^{11} z^{18}, x^{1712} y^{4} z^{22}, x^{1731} y^{8} z^{19}, x^{1741} y^{19} z^{12}, x^{1742} y^{37} z,$$
$$x^{1759} y^{5} z^{20}, x^{1778} y^{9} z^{17}, x^{1779} y^{27} z^{6}, x^{1797} y^{13} z^{14}, x^{1806} y^{6} z^{18}, x^{1835} y^{21} z^{8}, x^{1845} y^{32} z,$$
$$x^{1853} y^{7} z^{16}, x^{1873} y^{29} z^{2}, x^{1881} y^{4} z^{17}, x^{1891} y^{15} z^{10}, x^{1929} y^{23} z^{4}, x^{1947} y^{9} z^{12}, x^{1957} y^{20} z^{5},$$
$$x^{1966} y^{13} z^{9}, x^{1975} y^{6} z^{13}, x^{1985} y^{17} z^{6}, x^{2023} y^{25}, x^{2032} y^{18} z^{4}, x^{2041} y^{11} z^{8}, x^{2050} y^{4} z^{12}, x^{2051} y^{22} z,$$
$$x^{2079} y^{19} z^{2}, x^{2107} y^{16} z^{3}, x^{2126} y^{20}, x^{2135} y^{13} z^{4}, x^{2144} y^{6} z^{8}, x^{2154} y^{17} z, x^{2163} y^{10} z^{5}, x^{2191} y^{7} z^{6},$$
$$x^{2229} y^{15}, x^{2238} y^{8} z^{4}, x^{2257} y^{12} z, x^{2285} y^{9} z^{2}, x^{2369} z^{5}, x^{2388} y^{4} z^{2}, x^{2416} y z^{3}, x^{2463} y^{2} z, x^{2538}\}\}$$

In[ ]:=
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d49 = PolynomialMod[Expand[
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多項式の法　展開
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(y b01 d04^4 d07 d25 - z d03^2 d07^4 d15 - x y b01 d04^4 d32 - x^4 y a01^2 d03^2 d41 -
   x^7 y a01^3 d04 d07^6 - x^9 y a01^2 d04 d07^4 d15 - x^13 y d03^2 d43 - x^16 y d07^7 -
   x^18 b01^2 d04 d07^4 d15 - x^19 b01 d02 d07^3 d25 - x^20 b01 d02 d07^2 d32 -
   x^21 a01 d02^2 d07 d37 - x^22 b01 d02 d03 d43 - x^23 a01^4 d15^3 -
   x^28 d04^6 d25 - x^29 d04^5 d29 - x^30 d04^3 d37 - x^31 d02 d04 d43) / x^32], 2];
MonomialList[d49, Reverse[{y, z, x}], "NegativeLexicographic"]
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Out[ ]=
$$\{\{y^{134} z^{4}, x^{2} y z^{85}, x^{4} y^{37} z^{63}, x^{7} y^{91} z^{30}, x^{8} y^{109} z^{19}, x^{9} y^{127} z^{8}, x^{12} y^{12} z^{78}, x^{17} y^{102} z^{23}, x^{19} y^{138} z,$$
$$x^{23} y^{41} z^{60}, x^{24} y^{59} z^{49}, x^{25} y^{77} z^{38}, x^{28} y^{131} z^{5}, x^{31} y^{16} z^{75}, x^{32} y^{34} z^{64}, x^{35} y^{88} z^{31}, x^{37} y^{124} z^{9},$$
$$x^{40} y^{9} z^{79}, x^{41} y^{27} z^{68}, x^{45} y^{99} z^{24}, x^{46} y^{117} z^{13}, x^{47} y^{135} z^{2}, x^{50} y^{20} z^{72}, x^{51} y^{38} z^{61}, x^{52} y^{56} z^{50},$$
$$x^{53} y^{74} z^{39}, x^{60} y^{31} z^{65}, x^{68} y^{6} z^{80}, x^{69} y^{24} z^{69}, x^{70} y^{42} z^{58}, x^{72} y^{78} z^{36}, x^{73} y^{96} z^{25}, x^{74} y^{114} z^{14},$$
$$x^{80} y^{53} z^{51}, x^{82} y^{89} z^{29}, x^{83} y^{107} z^{18}, x^{88} y^{28} z^{66}, x^{89} y^{46} z^{55}, x^{91} y^{82} z^{33}, x^{92} y^{100} z^{22}, x^{93} y^{118} z^{11},$$
$$x^{94} y^{136}, x^{98} y^{39} z^{59}, x^{100} y^{75} z^{37}, x^{102} y^{111} z^{15}, x^{108} y^{50} z^{52}, x^{112} y^{122} z^{8}, x^{115} y^{7} z^{78}, x^{116} y^{25} z^{67},$$
$$x^{118} y^{61} z^{45}, x^{120} y^{97} z^{23}, x^{122} y^{133} z, x^{126} y^{36} z^{60}, x^{127} y^{54} z^{49}, x^{134} y^{11} z^{75}, x^{136} y^{47} z^{53},$$
$$x^{137} y^{65} z^{42}, x^{139} y^{101} z^{20}, x^{140} y^{119} z^{9}, x^{143} y^{4} z^{79}, x^{146} y^{58} z^{46}, x^{147} y^{76} z^{35}, x^{148} y^{94} z^{24},$$
$$x^{150} y^{130} z^{2}, x^{153} y^{15} z^{72}, x^{159} y^{123} z^{6}, x^{162} y^{8} z^{76}, x^{163} y^{26} z^{65}, x^{164} y^{44} z^{54}, x^{166} y^{80} z^{32},$$
$$x^{167} y^{98} z^{21}, x^{168} y^{116} z^{10}, x^{171} y z^{80}, x^{173} y^{37} z^{58}, x^{174} y^{55} z^{47}, x^{175} y^{73} z^{36}, x^{182} y^{30} z^{62},$$
$$x^{184} y^{66} z^{40}, x^{187} y^{120} z^{7}, x^{190} y^{5} z^{77}, x^{193} y^{59} z^{44}, x^{194} y^{77} z^{33}, x^{195} y^{95} z^{22}, x^{196} y^{113} z^{11},$$
$$x^{200} y^{16} z^{70}, x^{201} y^{34} z^{59}, x^{202} y^{52} z^{48}, x^{203} y^{70} z^{37}, x^{205} y^{106} z^{15}, x^{209} y^{9} z^{74}, x^{210} y^{27} z^{63},$$
$$x^{212} y^{63} z^{41}, x^{213} y^{81} z^{30}, x^{214} y^{99} z^{19}, x^{215} y^{117} z^{8}, x^{219} y^{20} z^{67}, x^{220} y^{38} z^{56}, x^{221} y^{56} z^{45},$$
$$x^{222} y^{74} z^{34}, x^{223} y^{92} z^{23}, x^{224} y^{110} z^{12}, x^{225} y^{128} z, x^{230} y^{49} z^{49}, x^{232} y^{85} z^{27}, x^{234} y^{121} z^{5},$$
$$x^{240} y^{60} z^{42}, x^{242} y^{96} z^{20}, x^{247} y^{17} z^{68}, x^{248} y^{35} z^{57}, x^{249} y^{53} z^{46}, x^{251} y^{89} z^{24}, x^{252} y^{107} z^{13},$$
$$x^{256} y^{10} z^{72}, x^{261} y^{100} z^{17}, x^{262} y^{118} z^{6}, x^{265} y^{3} z^{76}, x^{267} y^{39} z^{54}, x^{268} y^{57} z^{43}, x^{271} y^{111} z^{10},$$
$$x^{275} y^{14} z^{69}, x^{276} y^{32} z^{58}, x^{281} y^{122} z^{3}, x^{285} y^{25} z^{62}, x^{290} y^{115} z^{7}, x^{293} z^{77}, x^{294} y^{18} z^{66}, x^{295} y^{36} z^{55},$$

$x^{296} y^{54} z^{44}$, $x^{297} y^{72} z^{33}$, $x^{298} y^{90} z^{22}$, $x^{300} y^{126}$, $x^{303} y^{11} z^{70}$, $x^{305} y^{47} z^{48}$, $x^{306} y^{65} z^{37}$, $x^{308} y^{101} z^{15}$,
$x^{313} y^{22} z^{63}$, $x^{315} y^{58} z^{41}$, $x^{324} y^{51} z^{45}$, $x^{326} y^{87} z^{23}$, $x^{331} y^{8} z^{71}$, $x^{332} y^{26} z^{60}$, $x^{333} y^{44} z^{49}$,
$x^{334} y^{62} z^{38}$, $x^{336} y^{98} z^{16}$, $x^{340} y z^{75}$, $x^{341} y^{19} z^{64}$, $x^{342} y^{37} z^{53}$, $x^{345} y^{91} z^{20}$, $x^{346} y^{109} z^{9}$,
$x^{353} y^{66} z^{35}$, $x^{354} y^{84} z^{24}$, $x^{359} y^{5} z^{72}$, $x^{360} y^{23} z^{61}$, $x^{362} y^{59} z^{39}$, $x^{371} y^{52} z^{43}$, $x^{372} y^{70} z^{32}$,
$x^{373} y^{88} z^{21}$, $x^{378} y^{9} z^{69}$, $x^{379} y^{27} z^{58}$, $x^{383} y^{99} z^{14}$, $x^{387} y^{2} z^{73}$, $x^{400} y^{67} z^{33}$, $x^{402} y^{103} z^{11}$, $x^{403} y^{121}$,
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$x^{439} y^{93} z^{16}$, $x^{440} y^{111} z^{5}$, $x^{444} y^{14} z^{64}$, $x^{446} y^{50} z^{42}$, $x^{449} y^{104} z^{9}$, $x^{454} y^{25} z^{57}$, $x^{455} y^{43} z^{46}$,
$x^{462} z^{72}$, $x^{464} y^{36} z^{50}$, $x^{468} y^{108} z^{6}$, $x^{472} y^{11} z^{65}$, $x^{473} y^{29} z^{54}$, $x^{475} y^{65} z^{32}$, $x^{477} y^{101} z^{10}$,
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$x^{505} y^{98} z^{11}$, $x^{509} y z^{70}$, $x^{510} y^{19} z^{59}$, $x^{511} y^{37} z^{48}$, $x^{514} y^{91} z^{15}$, $x^{515} y^{109} z^{4}$, $x^{520} y^{30} z^{52}$,
$x^{523} y^{84} z^{19}$, $x^{524} y^{102} z^{8}$, $x^{528} y^{5} z^{67}$, $x^{530} y^{41} z^{45}$, $x^{531} y^{59} z^{34}$, $x^{534} y^{113} z$, $x^{538} y^{16} z^{60}$,
$x^{539} y^{34} z^{49}$, $x^{540} y^{52} z^{38}$, $x^{543} y^{106} z^{5}$, $x^{547} y^{9} z^{64}$, $x^{548} y^{27} z^{53}$, $x^{552} y^{99} z^{9}$, $x^{557} y^{20} z^{57}$,
$x^{566} y^{13} z^{61}$, $x^{568} y^{49} z^{39}$, $x^{571} y^{103} z^{6}$, $x^{575} y^{6} z^{65}$, $x^{576} y^{24} z^{54}$, $x^{578} y^{60} z^{32}$, $x^{580} y^{96} z^{10}$,
$x^{589} y^{89} z^{14}$, $x^{594} y^{10} z^{62}$, $x^{596} y^{46} z^{40}$, $x^{598} y^{82} z^{18}$, $x^{599} y^{100} z^{7}$, $x^{603} y^{3} z^{66}$, $x^{604} y^{21} z^{55}$,
$x^{609} y^{111}$, $x^{617} y^{86} z^{15}$, $x^{622} y^{7} z^{63}$, $x^{623} y^{25} z^{52}$, $x^{631} z^{67}$, $x^{636} y^{90} z^{12}$, $x^{637} y^{108} z$, $x^{641} y^{11} z^{60}$,
$x^{642} y^{29} z^{49}$, $x^{643} y^{47} z^{38}$, $x^{646} y^{101} z^{5}$, $x^{650} y^{4} z^{64}$, $x^{651} y^{22} z^{53}$, $x^{660} y^{15} z^{57}$, $x^{661} y^{33} z^{46}$,
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$x^{754} y^{17} z^{53}$, $x^{756} y^{53} z^{31}$, $x^{758} y^{89} z^{9}$, $x^{763} y^{10} z^{57}$, $x^{768} y^{100} z^{2}$, $x^{772} y^{3} z^{61}$, $x^{773} y^{21} z^{50}$,
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$x^{850} y^{55} z^{27}$, $x^{852} y^{91} z^{5}$, $x^{860} y^{66} z^{20}$, $x^{861} y^{84} z^{9}$, $x^{866} y^{5} z^{57}$, $x^{868} y^{41} z^{35}$, $x^{870} y^{77} z^{13}$, $x^{877} y^{34} z^{39}$,
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$x^{1058} y^{81} z^{5}$, $x^{1063} y^{2} z^{53}$, $x^{1064} y^{20} z^{42}$, $x^{1065} y^{38} z^{31}$, $x^{1067} y^{74} z^{9}$, $x^{1076} y^{67} z^{13}$, $x^{1077} y^{85} z^{2}$,
$x^{1083} y^{24} z^{39}$, $x^{1084} y^{42} z^{28}$, $x^{1085} y^{60} z^{17}$, $x^{1086} y^{78} z^{6}$, $x^{1092} y^{17} z^{43}$, $x^{1094} y^{53} z^{21}$, $x^{1101} y^{10} z^{47}$,
$x^{1105} y^{82} z^{3}$, $x^{1111} y^{21} z^{40}$, $x^{1112} y^{39} z^{29}$, $x^{1114} y^{75} z^{7}$, $x^{1120} y^{14} z^{44}$, $x^{1123} y^{68} z^{11}$, $x^{1129} y^{7} z^{48}$,
$x^{1130} y^{25} z^{37}$, $x^{1131} y^{43} z^{26}$, $x^{1148} y^{11} z^{45}$, $x^{1157} y^{4} z^{49}$, $x^{1158} y^{22} z^{38}$, $x^{1160} y^{58} z^{16}$, $x^{1167} y^{15} z^{42}$,
$x^{1168} y^{33} z^{31}$, $x^{1170} y^{69} z^{9}$, $x^{1177} y^{26} z^{35}$, $x^{1178} y^{44} z^{24}$, $x^{1186} y^{19} z^{39}$, $x^{1188} y^{55} z^{17}$, $x^{1196} y^{30} z^{32}$,
$x^{1198} y^{66} z^{10}$, $x^{1206} y^{41} z^{25}$, $x^{1207} y^{59} z^{14}$, $x^{1216} y^{52} z^{18}$, $x^{1223} y^{9} z^{44}$, $x^{1224} y^{27} z^{33}$, $x^{1225} y^{45} z^{22}$,
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$x^{1413} y^{49} z^{14}$, $x^{1414} y^{67} z^{3}$, $x^{1421} y^{24} z^{29}$, $x^{1422} y^{42} z^{18}$, $x^{1423} y^{60} z^{7}$, $x^{1431} y^{35} z^{22}$, $x^{1432} y^{53} z^{11}$,

$x^{1433} y^{71}, x^{1439} y^{10} z^{37}, x^{1440} y^{28} z^{26}, x^{1442} y^{64} z^{4}, x^{1449} y^{21} z^{30}, x^{1450} y^{39} z^{19}, x^{1451} y^{57} z^{8},$
$x^{1459} y^{32} z^{23}, x^{1468} y^{25} z^{27}, x^{1469} y^{43} z^{16}, x^{1478} y^{36} z^{20}, x^{1496} y^{22} z^{28}, x^{1497} y^{40} z^{17}, x^{1498} y^{58} z^{6},$
$x^{1515} y^{26} z^{25}, x^{1516} y^{44} z^{14}, x^{1524} y^{19} z^{29}, x^{1525} y^{37} z^{18}, x^{1526} y^{55} z^{7}, x^{1534} y^{30} z^{22}, x^{1535} y^{48} z^{11},$
$x^{1544} y^{41} z^{15}, x^{1553} y^{34} z^{19}, x^{1561} y^{9} z^{34}, x^{1562} y^{27} z^{23}, x^{1564} y^{63} z, x^{1571} y^{20} z^{27}, x^{1572} y^{38} z^{16},$
$x^{1589} y^{6} z^{35}, x^{1592} y^{60} z^{2}, x^{1617} y^{3} z^{36}, x^{1618} y^{21} z^{25}, x^{1619} y^{39} z^{14}, x^{1629} y^{50} z^{7}, x^{1638} y^{43} z^{11},$
$x^{1639} y^{61}, x^{1645} z^{37}, x^{1646} y^{18} z^{26}, x^{1647} y^{36} z^{15}, x^{1655} y^{11} z^{30}, x^{1657} y^{47} z^{8}, x^{1666} y^{40} z^{12},$
$x^{1667} y^{58} z, x^{1683} y^{8} z^{31}, x^{1693} y^{19} z^{24}, x^{1694} y^{37} z^{13}, x^{1703} y^{30} z^{17}, x^{1711} y^{5} z^{32}, x^{1713} y^{41} z^{10},$
$x^{1730} y^{9} z^{29}, x^{1731} y^{27} z^{18}, x^{1739} y^{2} z^{33}, x^{1740} y^{20} z^{22}, x^{1751} y^{49} z^{4}, x^{1760} y^{42} z^{8}, x^{1768} y^{17} z^{23},$
$x^{1769} y^{35} z^{12}, x^{1778} y^{28} z^{16}, x^{1779} y^{46} z^{5}, x^{1796} y^{14} z^{24}, x^{1797} y^{32} z^{13}, x^{1807} y^{43} z^{6}, x^{1835} y^{40} z^{7},$
$x^{1843} y^{15} z^{22}, x^{1844} y^{33} z^{11}, x^{1845} y^{51}, x^{1861} y z^{30}, x^{1862} y^{19} z^{19}, x^{1863} y^{37} z^{8}, x^{1871} y^{12} z^{23},$
$x^{1873} y^{48} z, x^{1880} y^{5} z^{27}, x^{1881} y^{23} z^{16}, x^{1882} y^{41} z^{5}, x^{1890} y^{16} z^{20}, x^{1891} y^{34} z^{9}, x^{1899} y^{9} z^{24},$
$x^{1910} y^{38} z^{6}, x^{1929} y^{42} z^{3}, x^{1938} y^{35} z^{7}, x^{1946} y^{10} z^{22}, x^{1948} y^{46}, x^{1956} y^{21} z^{15}, x^{1966} y^{32} z^{8},$
$x^{1974} y^{7} z^{23}, x^{1975} y^{25} z^{12}, x^{1984} y^{18} z^{16}, x^{1993} y^{11} z^{20}, x^{2002} y^{4} z^{24}, x^{2003} y^{22} z^{13}, x^{2013} y^{33} z^{6},$
$x^{2021} y^{8} z^{21}, x^{2022} y^{26} z^{10}, x^{2041} y^{30} z^{7}, x^{2050} y^{23} z^{11}, x^{2051} y^{41}, x^{2060} y^{34} z^{4}, x^{2068} y^{9} z^{19},$
$x^{2077} y^{2} z^{23}, x^{2078} y^{20} z^{12}, x^{2087} y^{13} z^{16}, x^{2088} y^{31} z^{5}, x^{2107} y^{35} z^{2}, x^{2116} y^{28} z^{6}, x^{2125} y^{21} z^{10},$
$x^{2134} y^{14} z^{14}, x^{2135} y^{32} z^{3}, x^{2152} z^{22}, x^{2153} y^{18} z^{11}, x^{2162} y^{11} z^{15}, x^{2171} y^{4} z^{19}, x^{2172} y^{22} z^{8},$
$x^{2182} y^{33} z, x^{2200} y^{19} z^{9}, x^{2219} y^{23} z^{6}, x^{2228} y^{16} z^{10}, x^{2237} y^{9} z^{14}, x^{2246} y^{2} z^{18}, x^{2247} y^{20} z^{7},$
$x^{2257} y^{31}, x^{2265} y^{6} z^{15}, x^{2284} y^{10} z^{12}, x^{2285} y^{28} z, x^{2294} y^{21} z^{5}, x^{2312} y^{7} z^{13}, x^{2321} z^{17}, x^{2331} y^{11} z^{10},$
$x^{2360} y^{26}, x^{2368} y z^{15}, x^{2378} y^{12} z^{8}, x^{2388} y^{23} z, x^{2406} y^{9} z^{9}, x^{2416} y^{20} z^{2}, x^{2462} y^{3} z^{11}, x^{2463} y^{21},$
$x^{2490} z^{12}, x^{2509} y^{4} z^{9}, x^{2528} y^{8} z^{6}, x^{2537} y z^{10}, x^{2547} y^{12} z^{3}, x^{2556} y^{5} z^{7}, x^{2566} y^{16}, x^{2584} y^{2} z^{8},$
$x^{2631} y^{3} z^{6}, x^{2650} y^{7} z^{3}, x^{2659} z^{7}, x^{2669} y^{11}, x^{2678} y^{4} z^{4}, x^{2725} y^{5} z^{2}, x^{2772} y^{6}, x^{2800} y^{3} z, x^{2828} z^{2}\}\}$

In[ ]:=
```
d53 = PolynomialMod[
```
多項式の法
```
    Expand[(y b01 d04^5 d07 d25 - z d03^2 d04 d07^4 d15 - x y b01 d04^5 d32 - x^4 y d02^2 d49 -
```
展開
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      x^6 y d02 d04^11 d07 - x^7 y b01 d03 d07^7 - x^10 y d03 d04 d07^3 d25 -
      x^13 y d03^2 d04 d43 - x^16 y d04 d07^7 - x^18 b01^2 d04^2 d07^4 d15 -
      x^19 b01 d02 d04 d07^3 d25 - x^20 b01 d02 d04 d07^2 d32 - x^21 a01 b01 d07^2 d37 -
      x^25 b01 d04^6 d07^4 - x^28 d04^7 d25 - x^29 d04^6 d29 - x^32 d04 d49) / x^33], 2];
MonomialList[d53, Reverse[{y, z, x}], "NegativeLexicographic"]
```
単項式リスト　反転

Out[ ]=
$\{\{y^{152}, x y z^{92}, x^{3} y^{37} z^{70}, x^{7} y^{109} z^{26}, x^{14} y^{66} z^{52}, x^{15} y^{84} z^{41}, x^{18} y^{138} z^{8}, x^{21} y^{23} z^{78}, x^{25} y^{95} z^{34},$
$x^{30} y^{16} z^{82}, x^{34} y^{88} z^{38}, x^{36} y^{124} z^{16}, x^{41} y^{45} z^{64}, x^{43} y^{81} z^{42}, x^{50} y^{38} z^{68}, x^{51} y^{56} z^{57}, x^{55} y^{128} z^{13},$
$x^{61} y^{67} z^{50}, x^{70} y^{60} z^{54}, x^{86} y^{10} z^{84}, x^{87} y^{28} z^{73}, x^{117} y^{61} z^{52}, x^{121} y^{133} z^{8}, x^{123} z^{89}, x^{124} y^{18} z^{78},$
$x^{126} y^{54} z^{56}, x^{127} y^{72} z^{45}, x^{128} y^{90} z^{34}, x^{144} y^{40} z^{64}, x^{153} y^{33} z^{68}, x^{157} y^{105} z^{24}, x^{159} y^{141} z^{2},$
$x^{164} y^{62} z^{50}, x^{166} y^{98} z^{28}, x^{167} y^{116} z^{17}, x^{171} y^{19} z^{76}, x^{175} y^{91} z^{32}, x^{177} y^{127} z^{10}, x^{180} y^{12} z^{80},$
$x^{186} y^{120} z^{14}, x^{193} y^{77} z^{40}, x^{195} y^{113} z^{18}, x^{206} y^{142}, x^{209} y^{27} z^{70}, x^{211} y^{63} z^{48}, x^{218} y^{20} z^{74},$
$x^{220} y^{56} z^{52}, x^{224} y^{128} z^{8}, x^{233} y^{121} z^{12}, x^{249} y^{71} z^{42}, x^{256} y^{28} z^{68}, x^{258} y^{64} z^{46}, x^{275} y^{32} z^{65},$
$x^{278} y^{86} z^{32}, x^{280} y^{122} z^{10}, x^{296} y^{72} z^{40}, x^{303} y^{29} z^{66}, x^{305} y^{65} z^{44}, x^{307} y^{101} z^{22}, x^{309} y^{137},$
$x^{312} y^{22} z^{70}, x^{314} y^{58} z^{48}, x^{321} y^{15} z^{74}, x^{325} y^{87} z^{30}, x^{327} y^{123} z^{8}, x^{330} y^{8} z^{78}, x^{334} y^{80} z^{34},$
$x^{345} y^{109} z^{16}, x^{350} y^{30} z^{64}, x^{351} y^{48} z^{53}, x^{352} y^{66} z^{42}, x^{354} y^{102} z^{20}, x^{359} y^{23} z^{68}, x^{365} y^{131} z^{2},$
$x^{374} y^{124} z^{6}, x^{379} y^{45} z^{54}, x^{383} y^{117} z^{10}, x^{386} y^{2} z^{80}, x^{390} y^{74} z^{36}, x^{397} y^{31} z^{62}, x^{399} y^{67} z^{40},$
$x^{406} y^{24} z^{66}, x^{415} y^{17} z^{70}, x^{419} y^{89} z^{26}, x^{421} y^{125} z^{4}, x^{424} y^{10} z^{74}, x^{426} y^{46} z^{52}, x^{427} y^{64} z^{41},$
$x^{428} y^{82} z^{30}, x^{453} y^{25} z^{64}, x^{468} y^{126} z^{2}, x^{471} y^{11} z^{72}, x^{473} y^{47} z^{50}, x^{475} y^{83} z^{28}, x^{482} y^{40} z^{54},$
$x^{484} y^{76} z^{32}, x^{491} y^{33} z^{58}, x^{500} y^{26} z^{62}, x^{502} y^{62} z^{40}, x^{503} y^{80} z^{29}, x^{513} y^{91} z^{22}, x^{515} y^{127}, x^{522} y^{84} z^{26},$
$x^{524} y^{120} z^{4}, x^{529} y^{41} z^{52}, x^{533} y^{113} z^{8}, x^{542} y^{106} z^{12}, x^{547} y^{27} z^{60}, x^{556} y^{20} z^{64}, x^{560} y^{92} z^{20},$
$x^{569} y^{85} z^{24}, x^{574} y^{6} z^{72}, x^{575} y^{24} z^{61}, x^{576} y^{42} z^{50}, x^{585} y^{35} z^{54}, x^{594} y^{28} z^{58}, x^{607} y^{93} z^{18},$
$x^{615} y^{68} z^{33}, x^{616} y^{86} z^{22}, x^{623} y^{43} z^{48}, x^{632} y^{36} z^{52}, x^{641} y^{29} z^{56}, x^{643} y^{65} z^{34}, x^{651} y^{40} z^{49},$

$x^{663} y^{87} z^{20}, x^{672} y^{80} z^{24}, x^{679} y^{37} z^{50}, x^{683} y^{109} z^{6}, x^{687} y^{12} z^{65}, x^{688} y^{30} z^{54}, x^{690} y^{66} z^{32},$
$x^{701} y^{95} z^{14}, x^{710} y^{88} z^{18}, x^{715} y^{9} z^{66}, x^{719} y^{81} z^{22}, x^{721} y^{117}, x^{727} y^{56} z^{37}, x^{730} y^{110} z^{4}, x^{735} y^{31} z^{52},$
$x^{744} y^{24} z^{56}, x^{755} y^{53} z^{38}, x^{757} y^{89} z^{16}, x^{766} y^{82} z^{20}, x^{767} y^{100} z^{9}, x^{773} y^{39} z^{46}, x^{777} y^{111} z^{2},$
$x^{782} y^{32} z^{50}, x^{786} y^{104} z^{6}, x^{791} y^{25} z^{54}, x^{799} z^{69}, x^{802} y^{54} z^{36}, x^{803} y^{72} z^{25}, x^{804} y^{90} z^{14}, x^{813} y^{83} z^{18},$
$x^{822} y^{76} z^{22}, x^{824} y^{112}, x^{829} y^{33} z^{48}, x^{838} y^{26} z^{52}, x^{842} y^{98} z^{8}, x^{849} y^{55} z^{34}, x^{851} y^{91} z^{12}, x^{858} y^{48} z^{38},$
$x^{860} y^{84} z^{16}, x^{865} y^{5} z^{64}, x^{867} y^{41} z^{42}, x^{869} y^{77} z^{20}, x^{875} y^{16} z^{57}, x^{876} y^{34} z^{46}, x^{878} y^{70} z^{24},$
$x^{879} y^{88} z^{13}, x^{880} y^{106} z^{2}, x^{885} y^{27} z^{50}, x^{889} y^{99} z^{6}, x^{894} y^{20} z^{54}, x^{896} y^{56} z^{32}, x^{898} y^{92} z^{10},$
$x^{903} y^{13} z^{58}, x^{905} y^{49} z^{36}, x^{914} y^{42} z^{40}, x^{916} y^{78} z^{18}, x^{923} y^{35} z^{44}, x^{927} y^{107}, x^{936} y^{100} z^{4}, x^{941} y^{21} z^{52},$
$x^{945} y^{93} z^{8}, x^{950} y^{14} z^{56}, x^{952} y^{50} z^{34}, x^{961} y^{43} z^{38}, x^{963} y^{79} z^{16}, x^{968} z^{64}, x^{970} y^{36} z^{42}, x^{972} y^{72} z^{20},$
$x^{988} y^{22} z^{50}, x^{992} y^{94} z^{6}, x^{999} y^{51} z^{32}, x^{1008} y^{44} z^{36}, x^{1027} y^{48} z^{33}, x^{1035} y^{23} z^{48}, x^{1039} y^{95} z^{4},$
$x^{1044} y^{16} z^{52}, x^{1048} y^{88} z^{8}, x^{1053} y^{9} z^{56}, x^{1062} y^{2} z^{60}, x^{1063} y^{20} z^{49}, x^{1064} y^{38} z^{38}, x^{1066} y^{74} z^{16},$
$x^{1073} y^{31} z^{42}, x^{1082} y^{24} z^{46}, x^{1091} y^{17} z^{50}, x^{1095} y^{89} z^{6}, x^{1102} y^{46} z^{32}, x^{1103} y^{64} z^{21}, x^{1111} y^{39} z^{36},$
$x^{1129} y^{25} z^{44}, x^{1131} y^{61} z^{22}, x^{1138} y^{18} z^{48}, x^{1142} y^{90} z^{4}, x^{1149} y^{47} z^{30}, x^{1158} y^{40} z^{34}, x^{1167} y^{33} z^{38},$
$x^{1175} y^{8} z^{53}, x^{1176} y^{26} z^{42}, x^{1178} y^{62} z^{20}, x^{1179} y^{80} z^{9}, x^{1189} y^{91} z^{2}, x^{1198} y^{84} z^{6}, x^{1214} y^{34} z^{36},$
$x^{1223} y^{27} z^{40}, x^{1225} y^{63} z^{18}, x^{1234} y^{56} z^{22}, x^{1236} y^{92}, x^{1241} y^{13} z^{48}, x^{1243} y^{49} z^{26}, x^{1245} y^{85} z^{4},$
$x^{1251} y^{24} z^{41}, x^{1252} y^{42} z^{30}, x^{1254} y^{78} z^{8}, x^{1279} y^{21} z^{42}, x^{1281} y^{57} z^{20}, x^{1292} y^{86} z^{2}, x^{1297} y^{7} z^{50},$
$x^{1299} y^{43} z^{28}, x^{1306} z^{54}, x^{1308} y^{36} z^{32}, x^{1326} y^{22} z^{40}, x^{1327} y^{40} z^{29}, x^{1328} y^{58} z^{18}, x^{1337} y^{51} z^{22}, x^{1339} y^{87},$
$x^{1346} y^{44} z^{26}, x^{1348} y^{80} z^{4}, x^{1353} y z^{52}, x^{1375} y^{59} z^{16}, x^{1384} y^{52} z^{20}, x^{1393} y^{45} z^{24}, x^{1400} y^{2} z^{50},$
$x^{1403} y^{56} z^{17}, x^{1429} y^{17} z^{40}, x^{1431} y^{53} z^{18}, x^{1438} y^{10} z^{44}, x^{1440} y^{46} z^{22}, x^{1442} y^{82}, x^{1447} y^{3} z^{48},$
$x^{1475} z^{49}, x^{1479} y^{72} z^{5}, x^{1487} y^{47} z^{20}, x^{1496} y^{40} z^{24}, x^{1505} y^{33} z^{28}, x^{1514} y^{26} z^{32}, x^{1543} y^{41} z^{22},$
$x^{1545} y^{77}, x^{1551} y^{16} z^{37}, x^{1581} y^{49} z^{16}, x^{1591} y^{60} z^{9}, x^{1601} y^{71} z^{2}, x^{1610} y^{64} z^{6}, x^{1617} y^{21} z^{32},$
$x^{1619} y^{57} z^{10}, x^{1637} y^{43} z^{18}, x^{1646} y^{36} z^{22}, x^{1648} y^{72}, x^{1663} y^{4} z^{41}, x^{1691} y z^{42}, x^{1693} y^{37} z^{20},$
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$x^{1751} y^{67}, x^{1769} y^{53} z^{8}, x^{1787} y^{39} z^{16}, x^{1796} y^{32} z^{20}, x^{1825} y^{47} z^{10}, x^{1834} y^{40} z^{14}, x^{1851} y^{8} z^{33},$
$x^{1854} y^{62}, x^{1872} y^{48} z^{8}, x^{1879} y^{5} z^{34}, x^{1927} y^{24} z^{21}, x^{1928} y^{42} z^{10}, x^{1955} y^{21} z^{22}, x^{1966} y^{50} z^{4},$
$x^{1973} y^{7} z^{30}, x^{1975} y^{43} z^{8}, x^{1982} z^{34}, x^{2002} y^{22} z^{20}, x^{2003} y^{40} z^{9}, x^{2013} y^{51} z^{2}, x^{2022} y^{44} z^{6}, x^{2029} y z^{32},$
$x^{2049} y^{23} z^{18}, x^{2058} y^{16} z^{22}, x^{2067} y^{9} z^{26}, x^{2069} y^{45} z^{4}, x^{2076} y^{2} z^{30}, x^{2105} y^{17} z^{20}, x^{2116} y^{46} z^{2},$
$x^{2123} y^{3} z^{28}, x^{2151} z^{29}, x^{2152} y^{18} z^{18}, x^{2161} y^{11} z^{22}, x^{2163} y^{47}, x^{2170} y^{4} z^{26}, x^{2172} y^{40} z^{4}, x^{2191} y^{44} z,$
$x^{2199} y^{19} z^{16}, x^{2208} y^{12} z^{20}, x^{2217} y^{5} z^{24}, x^{2219} y^{41} z^{2}, x^{2227} y^{16} z^{17}, x^{2255} y^{13} z^{18}, x^{2264} y^{6} z^{22},$
$x^{2266} y^{42}, x^{2311} y^{7} z^{20}, x^{2320} z^{24}, x^{2331} y^{29} z^{6}, x^{2349} y^{15} z^{14}, x^{2358} y^{8} z^{18}, x^{2367} y z^{22}, x^{2369} y^{37},$
$x^{2378} y^{30} z^{4}, x^{2405} y^{9} z^{16}, x^{2415} y^{20} z^{9}, x^{2452} y^{10} z^{14}, x^{2472} y^{32}, x^{2481} y^{25} z^{4}, x^{2499} y^{11} z^{12}, x^{2508} y^{4} z^{16},$
$x^{2537} y^{19} z^{6}, x^{2546} y^{12} z^{10}, x^{2584} y^{20} z^{4}, x^{2603} y^{24} z, x^{2631} y^{21} z^{2}, x^{2640} y^{14} z^{6}, x^{2649} y^{7} z^{10},$
$x^{2658} z^{14}, x^{2678} y^{22}, x^{2687} y^{15} z^{4}, x^{2705} y z^{12}, x^{2743} y^{9} z^{6}, x^{2752} y^{2} z^{10}, x^{2781} y^{17}, x^{2799} y^{3} z^{8},$
$x^{2837} y^{11} z^{2}, x^{2846} y^{4} z^{6}, x^{2893} y^{5} z^{4}, x^{2940} y^{6} z^{2}, x^{2987} y^{7}, x^{2996} z^{4}, x^{3015} y^{4} z, x^{3043} y z^{2}\}\}$

In[ ]:=

```
d56 = PolynomialMod[Expand[
      (y b01 d04^4 d07^2 d25 - z d03^2 d07^5 d15 - x y b01 d04^4 d07 d32 - x^4 y a01 d02 d04 d49 -
         x^5 y a01 d02 d53 - x^9 y a01^2 d04 d07^5 d15 - x^13 y d03^2 d07 d43 - x^16 y d07^8 -
         x^18 b01^2 d04 d07^5 d15 - x^19 b01 d02 d07^4 d25 - x^20 b01 d02 d07^3 d32 -
         x^21 a01 d02^2 d07^2 d37 - x^22 b01 d02 d03 d07 d43 - x^23 a01^3 d04 d49 -
         x^24 a01^3 d53 - x^28 d04^6 d07 d25 - x^29 d04^6 d32) / x^33], 2];
MonomialList[d56, Reverse[{y, z, x}], "NegativeLexicographic"]
```

Out[ ]= $\{\{y^{154} z^{4}, x y^{3} z^{96}, x^{5} y^{75} z^{52}, x^{6} y^{93} z^{41}, x^{9} y^{147} z^{8}, x^{11} y^{14} z^{89}, x^{14} y^{68} z^{56}, x^{18} y^{140} z^{12}, x^{19} y^{158} z,$
$x^{20} y^{7} z^{93}, x^{21} y^{25} z^{82}, x^{22} y^{43} z^{71}, x^{23} y^{61} z^{60}, x^{25} y^{97} z^{38}, x^{26} y^{115} z^{27}, x^{27} y^{133} z^{16}, x^{29} z^{97},$

$x^{33} y^{72} z^{53}$, $x^{36} y^{126} z^{20}$, $x^{37} y^{144} z^{9}$, $x^{39} y^{11} z^{90}$, $x^{40} y^{29} z^{79}$, $x^{42} y^{65} z^{57}$, $x^{44} y^{101} z^{35}$, $x^{46} y^{137} z^{13}$,
$x^{47} y^{155} z^{2}$, $x^{49} y^{22} z^{83}$, $x^{51} y^{58} z^{61}$, $x^{53} y^{94} z^{39}$, $x^{54} y^{112} z^{28}$, $x^{55} y^{130} z^{17}$, $x^{58} y^{15} z^{87}$, $x^{59} y^{33} z^{76}$,
$x^{60} y^{51} z^{65}$, $x^{65} y^{141} z^{10}$, $x^{67} y^{8} z^{91}$, $x^{68} y^{26} z^{80}$, $x^{70} y^{62} z^{58}$, $x^{72} y^{98} z^{36}$, $x^{74} y^{134} z^{14}$, $x^{75} y^{152} z^{3}$,
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$x^{93} y^{138} z^{11}$, $x^{94} y^{156}$, $x^{95} y^{5} z^{92}$, $x^{96} y^{23} z^{81}$, $x^{97} y^{41} z^{70}$, $x^{100} y^{95} z^{37}$, $x^{102} y^{131} z^{15}$, $x^{103} y^{149} z^{4}$,
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$x^{651} y^{42} z^{53}$, $x^{654} y^{96} z^{20}$, $x^{662} y^{71} z^{35}$, $x^{669} y^{28} z^{61}$, $x^{670} y^{46} z^{50}$, $x^{671} y^{64} z^{39}$, $x^{672} y^{82} z^{28}$,
$x^{678} y^{21} z^{65}$, $x^{679} y^{39} z^{54}$, $x^{681} y^{75} z^{32}$, $x^{682} y^{93} z^{21}$, $x^{683} y^{111} z^{10}$, $x^{690} y^{68} z^{36}$, $x^{701} y^{97} z^{18}$,
$x^{702} y^{115} z^{7}$, $x^{706} y^{18} z^{66}$, $x^{707} y^{36} z^{55}$, $x^{709} y^{72} z^{33}$, $x^{711} y^{108} z^{11}$, $x^{712} y^{126}$, $x^{716} y^{29} z^{59}$,
$x^{718} y^{65} z^{37}$, $x^{719} y^{83} z^{26}$, $x^{720} y^{101} z^{15}$, $x^{729} y^{94} z^{19}$, $x^{737} y^{69} z^{34}$, $x^{739} y^{105} z^{12}$, $x^{740} y^{123} z$,
$x^{744} y^{26} z^{60}$, $x^{746} y^{62} z^{38}$, $x^{747} y^{80} z^{27}$, $x^{748} y^{98} z^{16}$, $x^{754} y^{37} z^{53}$, $x^{758} y^{109} z^{9}$, $x^{762} y^{12} z^{68}$,
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$x^{793} y^{63} z^{36}$, $x^{796} y^{117} z^{3}$, $x^{801} y^{38} z^{51}$, $x^{803} y^{74} z^{29}$, $x^{811} y^{49} z^{44}$, $x^{818} y^{6} z^{70}$, $x^{819} y^{24} z^{59}$,
$x^{820} y^{42} z^{48}$, $x^{821} y^{60} z^{37}$, $x^{822} y^{78} z^{26}$, $x^{824} y^{114} z^{4}$, $x^{830} y^{53} z^{41}$, $x^{831} y^{71} z^{30}$, $x^{833} y^{107} z^{8}$,
$x^{839} y^{46} z^{45}$, $x^{840} y^{64} z^{34}$, $x^{843} y^{118} z$, $x^{846} y^{3} z^{71}$, $x^{847} y^{21} z^{60}$, $x^{852} y^{111} z^{5}$, $x^{856} y^{14} z^{64}$,

$x^{859} y^{68} z^{31}$, $x^{861} y^{104} z^{9}$, $x^{865} y^{7} z^{68}$, $x^{868} y^{61} z^{35}$, $x^{870} y^{97} z^{13}$, $x^{871} y^{115} z^{2}$, $x^{875} y^{18} z^{61}$,
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$x^{982} y^{85} z^{17}$, $x^{983} y^{103} z^{6}$, $x^{990} y^{60} z^{32}$, $x^{991} y^{78} z^{21}$, $x^{992} y^{96} z^{10}$, $x^{997} y^{17} z^{58}$, $x^{998} y^{35} z^{47}$,
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$x^{2104} y z^{35}$, $x^{2105} y^{19} z^{24}$, $x^{2107} y^{55} z^{2}$, $x^{2116} y^{48} z^{6}$, $x^{2123} y^{5} z^{32}$, $x^{2133} y^{16} z^{25}$, $x^{2135} y^{52} z^{3}$,
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$x^{2172} y^{42} z^{8}$, $x^{2189} y^{10} z^{27}$, $x^{2191} y^{46} z^{5}$, $x^{2199} y^{21} z^{20}$, $x^{2210} y^{50} z^{2}$, $x^{2217} y^{7} z^{28}$, $x^{2226} z^{32}$,
$x^{2227} y^{18} z^{21}$, $x^{2245} y^{4} z^{29}$, $x^{2246} y^{22} z^{18}$, $x^{2255} y^{15} z^{22}$, $x^{2257} y^{51}$, $x^{2266} y^{44} z^{4}$, $x^{2283} y^{12} z^{23}$,

$$x^{2285} y^{48} z,\ x^{2292} y^{5} z^{27},\ x^{2313} y^{45} z^{2},\ x^{2320} y^{2} z^{28},\ x^{2330} y^{13} z^{21},\ x^{2341} y^{42} z^{3},\ x^{2349} y^{17} z^{18},$$
$$x^{2350} y^{35} z^{7},\ x^{2360} y^{46},\ x^{2367} y^{3} z^{26},\ x^{2368} y^{21} z^{15},\ x^{2377} y^{14} z^{19},\ x^{2387} y^{25} z^{12},\ x^{2388} y^{43} z,\ x^{2395} z^{27},$$
$$x^{2396} y^{18} z^{16},\ x^{2405} y^{11} z^{20},\ x^{2414} y^{4} z^{24},\ x^{2415} y^{22} z^{13},\ x^{2416} y^{40} z^{2},\ x^{2425} y^{33} z^{6},\ x^{2433} y^{8} z^{21},$$
$$x^{2442} y z^{25},\ x^{2453} y^{30} z^{7},\ x^{2463} y^{41},\ x^{2480} y^{9} z^{19},\ x^{2481} y^{27} z^{8},\ x^{2490} y^{20} z^{12},\ x^{2491} y^{38} z,\ x^{2500} y^{31} z^{5},$$
$$x^{2509} y^{24} z^{9},\ x^{2528} y^{28} z^{6},\ x^{2537} y^{21} z^{10},\ x^{2555} y^{7} z^{18},\ x^{2556} y^{25} z^{7},\ x^{2564} z^{22},\ x^{2565} y^{18} z^{11},$$
$$x^{2566} y^{36},\ x^{2574} y^{11} z^{15},\ x^{2583} y^{4} z^{19},\ x^{2584} y^{22} z^{8},\ x^{2612} y^{19} z^{9},\ x^{2640} y^{16} z^{10},\ x^{2649} y^{9} z^{14},$$
$$x^{2650} y^{27} z^{3},\ x^{2658} y^{2} z^{18},\ x^{2669} y^{31},\ x^{2677} y^{6} z^{15},\ x^{2687} y^{17} z^{8},\ x^{2697} y^{28} z,\ x^{2705} y^{3} z^{16},\ x^{2725} y^{25} z^{2},$$
$$x^{2733} z^{17},\ x^{2743} y^{11} z^{10},\ x^{2752} y^{4} z^{14},\ x^{2753} y^{22} z^{3},\ x^{2762} y^{15} z^{7},\ x^{2771} y^{8} z^{11},\ x^{2780} y z^{15},$$
$$x^{2781} y^{19} z^{4},\ x^{2790} y^{12} z^{8},\ x^{2799} y^{5} z^{12},\ x^{2800} y^{23} z,\ x^{2809} y^{16} z^{5},\ x^{2827} y^{2} z^{13},\ x^{2828} y^{20} z^{2},$$
$$x^{2837} y^{13} z^{6},\ x^{2856} y^{17} z^{3},\ x^{2865} y^{10} z^{7},\ x^{2874} y^{3} z^{11},\ x^{2893} y^{7} z^{8},\ x^{2902} z^{12},\ x^{2921} y^{4} z^{9},\ x^{2968} y^{5} z^{7},$$
$$x^{3006} y^{13} z,\ x^{3043} y^{3} z^{6},\ x^{3062} y^{7} z^{3},\ x^{3071} z^{7},\ x^{3090} y^{4} z^{4},\ x^{3118} y z^{5},\ x^{3240} z^{2},\ x^{3287} y\}\}$$