

mine_base :=

$$\begin{aligned} & -1/2*w(121010,010121)-1/2*w(121001,100121)+1/4*w(120200,002021)+1/2*w(120110,011021)+1/2*w(120101,101021)+1/4*w(120020,020021) \\ & +1/2*w(120011,110021)+1/6*w(113000,000311)-1/2*w(112100,001211)-1/2*w(112010,010211)-1/2*w(112001,100211)+1/2*w(111200,002111) \\ & +w(111110,011111)+w(111101,101111)+1/2*w(111020,020111)+w(111011,110111)-1/6*w(110300,003011)-1/2*w(110210,012011) \\ & -1/2*w(110201,102011)+1/120*w(500000,000005)-1/2*w(110120,021011)+1/24*w(410000,000014)-1/6*w(110030,030011)+1/24*w(401000,000104) \\ & -1/24*w(400100,001004)-1/24*w(400010,010004)-1/24*w(400001,100004)+1/24*w(104000,000401)-1/6*w(103100,001301)-1/6*w(103010,010301) \\ & +1/12*w(320000,000023)-1/6*w(103001,100301)+1/6*w(311000,000113)+1/4*w(102200,002201)+1/2*w(102110,011201)-1/6*w(310100,001013) \\ & +1/2*w(102101,101201)-1/6*w(310010,010013)+1/4*w(102020,020201)-1/6*w(310001,100013)-1/6*w(101300,003101)+1/12*w(302000,000203) \\ & -1/2*w(101210,012101)-1/6*w(301100,001103)-1/2*w(101120,021101)-1/6*w(301010,010103)-1/6*w(301001,100103)-1/6*w(101030,030101) \\ & +1/12*w(300200,002003)+1/6*w(300110,011003)+1/6*w(300101,101003)+1/24*w(100400,004001)+1/6*w(100310,013001)+1/12*w(300020,020003) \\ & +1/4*w(100220,022001)+1/6*w(300011,110003)+1/12*w(300002,200003)+1/6*w(100130,031001)+1/12*w(230000,000032)+1/24*w(100040,040001) \\ & +1/4*w(221000,000122)-1/4*w(220100,001022)-1/4*w(220010,010022)-1/4*w(220001,100022)+1/120*w(050000,000050)+1/24*w(041000,000140) \\ & +1/4*w(212000,000212)-1/24*w(040100,001040)-1/24*w(040010,010040)-1/2*w(211100,001112)+1/12*w(032000,000230)-1/2*w(211010,010112) \\ & -1/6*w(031100,001130)-1/2*w(211001,100112)-1/6*w(031010,010130)+1/12*w(030200,002030)+1/4*w(210200,002012)+1/6*w(030110,011030) \\ & +1/2*w(210110,011012)+1/12*w(030020,020030)+1/2*w(210101,101012)+1/4*w(210020,020012)+1/12*w(023000,000320)-1/4*w(022100,001220) \\ & +1/2*w(210011,110012)-1/4*w(022010,010220)+1/4*w(210002,200012)+1/4*w(021200,002120)+1/2*w(021110,011120)+1/4*w(021020,020120) \\ & +1/12*w(203000,000302)-1/4*w(202100,001202)-1/12*w(020300,003020)-1/4*w(020210,012020)-1/4*w(202010,010202)-1/4*w(202001,100202) \\ & +1/4*w(201200,002102)+1/2*w(201110,011102)+1/2*w(201101,101102)+1/24*w(014000,000410)-1/6*w(013100,001310)-1/6*w(013010,010310) \\ & +1/4*w(201020,020102)+1/4*w(012200,002210)+1/2*w(201011,110102)+1/2*w(012110,011210)+1/4*w(201002,200102)-1/6*w(011300,003110) \\ & -1/12*w(200300,003002)-1/4*w(200210,012002)-1/4*w(200201,102002)-1/4*w(200120,021002)+1/24*w(010400,004010)-1/2*w(200111,111002) \\ & -1/12*w(200030,030002)-1/4*w(200021,120002)+1/120*w(005000,000500)-1/24*w(004100,001400)+1/12*w(003200,002300)+1/24*w(140000,000041) \\ & +1/6*w(131000,000131)-1/6*w(130100,001031)-1/6*w(130010,010031)-1/6*w(130001,100031)+1/4*w(122000,000221)-1/2*w(121100,001121); \end{aligned}$$