```
##############################################################################
##############################################################################
### File "from_diripil_to_ripil_via_Mep";
##############################################################################
##############################################################################
### restart;

deb:=X-> [seq(op(k,X),k=1..nops(X)-1)]; ##
summa:=X-> add(op(k,X),k=1..nops(X)); ##

heem:=proc(X): proc(p): if p=0 or p>op(+1,X) then 0  else (-1)^(1+nops(X))*op(-1,X)*a[summa(X)-p] fi end: end:
heem0:=proc(X):  (-1)^(1+nops(X))*op(-1,X)*a[summa(X)]  end:

## mep:='mep':  mep[]:=1:  a:='a':   [seq(a[r]= -1/(1+r)!,  r=1..14)]; assign(%);

Mep:=proc(X):
  if X=[] then 1
elif nops(X)=1 and op(X)=1 then +a[1]
elif nops(X)=1 and op(X)>1 then
+1/summa(X)*heem0(X)
+1/summa(X)*add(mep[p]*heem(X)(p),p=1..op(X)-1)
elif nops(X)>1 then
+1/summa(X)*add( mep[seq(op(k,X),k=1..i-1)]*heem0([seq(op(k,X),k=i..nops(X))]), i=1..nops(X))
+1/summa(X)*add(add(add(  mep[seq(op(k,X),k=1..i-1),p,seq(op(k,X),k=j+1..nops(X))]*heem([seq(op(k,X),k=i..j)])(p),
p=1.. min(op(i,X),add(op(k,X),k=i..j)-1)), i=1..j),j=1..nops(X))
fi end:

##############################################################################

semop1:= [mop[1] = -1/2] : ##

semop2:= [mop[2] = 1/6, mop[1,1] = 1/6] : ##

semop3:= [mop[3] = 0, mop[1,2] = 0, mop[2,1] = -1/4, mop[1,1,1] = 0] : ##

semop4:= [mop[4] = -1/30, mop[1,3] = -1/10, mop[2,2] = 1/10, mop[3,1] = 2/15, mop[1,1,2] = -1/10,
mop[1,2,1] = 1/5, mop[2,1,1] = 1/30, mop[1,1,1,1] = -1/30] : ##

semop5:= [mop[5] = 0, mop[1,4] = 0, mop[2,3] = 1/4, mop[3,2] = -1/4, mop[4,1] = 1/12, mop[1,1,3] = 0,
mop[1,2,2] = 0, mop[1,3,1] = 0, mop[2,1,2] = 1/4, mop[2,2,1] = -1/2, mop[3,1,1] = -1/12,
mop[1,1,1,2] = 0, mop[1,1,2,1] = 0, mop[1,2,1,1] = 0, mop[2,1,1,1] = 1/12, mop[1,1,1,1,1] = 0] : ##

semop6:= [mop[6] = 1/42, mop[1,5] = 5/42, mop[2,4] = -5/21, mop[3,3] = -1/84, mop[4,2] = 11/84,
mop[5,1] = -1/7, mop[1,1,4] = 5/21, mop[1,2,3] = -41/84, mop[1,3,2] = 31/84, mop[1,4,1] = -5/14,
mop[2,1,3] = -5/21, mop[2,2,2] = 5/42, mop[2,3,1] = 19/84, mop[3,1,2] = -11/84, mop[3,2,1] = 11/28,
mop[4,1,1] = 5/84, mop[1,1,1,3] = 5/21, mop[1,1,2,2] = -5/42, mop[1,1,3,1] = -19/84, mop[1,2,1,2] = -31/84,
mop[1,2,2,1] = 17/28, mop[1,3,1,1] = 3/28, mop[2,1,1,2] = -5/42, mop[2,1,2,1] = 3/28, mop[2,2,1,1] = 1/42,
mop[3,1,1,1] = -5/84, mop[1,1,1,1,2] = 5/42, mop[1,1,1,2,1] = -3/28, mop[1,1,2,1,1] = -1/42,
mop[1,2,1,1,1] = -3/28, mop[2,1,1,1,1] = -1/42, mop[1,1,1,1,1,1] = 1/42] : ##

semop7:=
[mop[7] = 0, mop[1,6] = 0, mop[2,5] = -5/12, mop[3,4] = 5/6, mop[4,3] = -5/6, mop[5,2] = 5/12, mop[6,1] = -1/12,
mop[1,1,5] = 0, mop[1,2,4] = 0, mop[1,3,3] = 0, mop[1,4,2] = 0, mop[1,5,1] = 0, mop[2,1,4] = -5/6,
mop[2,2,3] = 41/24, mop[2,3,2] = -31/24, mop[2,4,1] = 5/4, mop[3,1,3] = 5/6, mop[3,2,2] = -5/12,
mop[3,3,1] = -19/24, mop[4,1,2] = -5/12, mop[4,2,1] = 3/8, mop[5,1,1] = 1/12, mop[1,1,1,4] = 0,
mop[1,1,2,3] = 0, mop[1,1,3,2] = 0, mop[1,1,4,1] = 0, mop[1,2,2,2] = 0,
mop[1,2,3,1] = 0, mop[1,3,1,2] = 0, mop[1,3,2,1] = 0, mop[1,4,1,1] = 0, mop[2,1,1,3] = -5/6, mop[2,1,2,2] = 5/12,
mop[2,1,3,1] = 19/24, mop[2,2,1,2] = 31/24, mop[2,2,2,1] = -17/8, mop[2,3,1,1] = -3/8, mop[3,1,1,2] = 5/12,
mop[3,1,2,1] = -3/8, mop[3,2,1,1] = -1/12, mop[4,1,1,1] = -1/12, mop[1,1,1,1,3] = 0, mop[1,1,1,2,2] = 0,
mop[1,1,1,3,1] = 0, mop[1,1,2,1,2] = 0, mop[1,1,2,2,1] = 0, mop[1,1,3,1,1] = 0, mop[1,2,1,1,2] = 0, mop[1,2,1,2,1] = 0,
mop[1,2,2,1,1] = 0, mop[1,3,1,1,1] = 0, mop[2,1,1,1,2] = -5/12, mop[2,1,1,2,1] = 3/8, mop[2,1,2,1,1] = 1/12,
mop[2,2,1,1,1] = 3/8, mop[3,1,1,1,1] =1/12, mop[1,1,1,1,1,2] = 0, mop[1,1,1,1,2,1] = 0, mop[1,1,1,2,1,1] = 0,
mop[1,1,2,1,1,1] = 0, mop[1,2,1,1,1,1] = 0, mop[2,1,1,1,1,1] = -1/12, mop[1,1,1,1,1,1,1] = 0 ] : ##

semop8:=
[mop[8] = -1/30, mop[1,7] = -7/30, mop[2,6] = 7/10, mop[3,5] = -11/18, mop[4,4] = 1/18, mop[5,3] = 29/45,
mop[6,2] = -5/9, mop[7,1] = 4/15, mop[1,1,6] = -7/10, mop[1,2,5] = 31/18, mop[1,3,4] = -41/18, mop[1,4,3] = 113/45,
mop[1,5,2] = -67/45, mop[1,6,1] = 14/15, mop[2,1,5] = 7/6, mop[2,2,4] = -7/6, mop[2,3,3] = 0, mop[2,4,2] = 7/15,
mop[2,5,1] = -59/45, mop[3,1,4] = -1/18, mop[3,2,3] = -121/90, mop[3,3,2] = 113/90, mop[3,4,1] = -4/9,
mop[4,1,3] = -37/90, mop[4,2,2] = 29/90, mop[4, 3,1] = 8/15, mop[5,1,2] = 5/9, mop[5,2,1] = -37/45, mop[6,1,1] = -7/45,
mop[1,1,1,5] = -7/6, mop[1,1,2,4] = 7/6, mop[1,1,3,3] = 0, mop[1,1,4,2] = -7/15, mop[1,1,5,1] = 59/45, mop[1,2,1,4] = 41/18,
mop[1,2,2,3] = -289/90, mop[1,2,3,2] = 197/90, mop[1,2,4,1] = -26/9, mop[1,3,1,3] = -163/90, mop[1,3,2,2] = 71/90,
mop[1,3,3,1] = 71/45, mop[1,4,1,2] = 67/45, mop[1,4,2,1] = -92/45, mop[1,5,1,1] = -17/45, mop[2,1,1,4] = 7/6,
mop[2,1,2,3] = -14/15, mop[2,1,3,2] = 7/15, mop[2,1,4,1] = -11/9, mop[2,2,1,3] = -7/10, mop[2,2,2,2] = 7/30,
mop[2,2,3,1] = 47/90, mop[2,3,1,2] = -7/15, mop[2,3,2,1] = 113/90, mop[2,4,1,1] = 1/5, mop[3,1,1,3] = 37/90,
mop[3,1,2,2] = -29/90, mop[3,1,3,1] = -8/15, mop[3,2,1,2] = -113/90, mop[3,2,2,1] = 20/9, mop[3,3,1,1] = 7/18,
mop[4,1,1,2] = -29/90, mop[4,1,2,1] = 16/45, mop[4,2,1,1] = 7/90, mop[5,1,1,1] = 7/45, mop[1,1,1,1,4] = -7/6,
mop[1,1,1,2,3] = 14/15, mop[1,1,1,3,2] = -7/15, mop[1,1,1,4,1] = 11/9, mop[1,1,2,1,3] = 7/10, mop[1,1,2,2,2] = -7/30,
```

mop[1,1,2,3,1] = -47/90, mop[1,1,3,1,2] = 7/15, mop[1,1,3,2,1] = -113/90, mop[1,1,4,1,1] = -1/5, mop[1,2,1,1,3] = 163/90,
mop[1,2,1,2,2] = -71/90, mop[1,2,1,3,1] = -71/45, mop[1,2,2,1,2] = -197/90, mop[1,2,2,2,1] = 31/9, mop[1,2,3,1,1] = 11/18,
mop[1,3,1,1,2] = -71/90, mop[1,3,1,2,1] = 29/45, mop[1,3,2,1,1] = 13/90, mop[1,4,1,1,1] = 17/45, mop[2,1,1,1,3] = 7/10,
mop[2,1,1,2,2] = -7/30, mop[2,1,1,3,1] = -47/90, mop[2,1,2,1,2] = -7/15, mop[2,1,2,2,1] = 11/18, mop[2,1,3,1,1] = 1/9,
mop[2,2,1,1,2] = -7/30, mop[2,2,1,2,1] = 13/90, mop[2,2,2,1,1] = 1/30, mop[2,3,1,1,1] = -1/5, mop[3,1,1,1,2] = 29/90,
mop[3,1,1,2,1] = -16/45, mop[3,1,2,1,1] = -7/90, mop[3,2,1,1,1] = -7/18, mop[4,1,1,1,1] = -7/90, mop[1,1,1,1,1,3] = -7/10,
mop[1,1,1,1,2,2] = 7/30, mop[1,1,1,1,3,1] = 47/90, mop[1,1,1,2,1,2] = 7/15, mop[1,1,1,2,2,1] = -11/18, mop[1,1,1,3,1,1] = -1/9,
mop[1,1,2,1,1,2] = 7/30, mop[1,1,2,1,2,1] = -13/90, mop[1,1,2,2,1,1] = -1/30, mop[1,1,3,1,1,1] = 1/5, mop[1,2,1,1,1,2] = 71/90,
mop[1,2,1,1,2,1] = -29/45, mop[1,2,1,2,1,1] = -13/90, mop[1,2,2,1,1,1] = -11/18, mop[1,3,1,1,1,1] = -13/90,
mop[2,1,1,1,1,2] = 7/30, mop[2,1,1,1,2,1] = -13/90, mop[2,1,1,2,1,1] = -1/30, mop[2,1,2,1,1,1] = -1/9, mop[2,2,1,1,1,1] = -1/30,
mop[3,1,1,1,1,1] = 7/90, mop[1,1,1,1,1,1,2] = -7/30, mop[1,1,1,1,1,2,1] = 13/90, mop[1,1,1,1,2,1,1] = 1/30, mop[1,1,1,2,1,1,1] = 1/9,
mop[1,1,2,1,1,1,1] = 1/30, mop[1,2,1,1,1,1,1] = 13/90, mop[2,1,1,1,1,1,1] = 1/30, mop[1,1,1,1,1,1,1,1] = -1/30] : ##

semop9:=
[mop[9] = 0, mop[1,8] = 0, mop[2,7] = 21/20, mop[3,6] = -63/20, mop[4,5] = 21/4, mop[5,4] = -21/4, mop[6,3] = 63/20, mop[
7,2] = -21/20, mop[8,1] = 3/20, mop[1,1,7] = 0, mop[1,2,6] = 0, mop[1,3,5] = 0, mop[1,4,4] = 0, mop[1,5,3] = 0, mop[1,6,2
] = 0, mop[1,7,1] = 0, mop[2,1,6] = 63/20, mop[2,2,5] = -31/4, mop[2,3,4] = 41/4, mop[2,4,3] = -113/10, mop[2,5,2] = 67/
10, mop[2,6,1] = -21/5, mop[3,1,5] = -21/4, mop[3,2,4] = 21/4, mop[3,3,3] = 0, mop[3,4,2] = -21/10, mop[3,5,1] = 59/10,
mop[4,1,4] = 21/4, mop[4,2,3] = -21/5, mop[4,3,2] = 21/10, mop[4,4,1] = -11/2, mop[5,1,3] = -63/20, mop[5,2,2] = 21/20,
mop[5,3,1] = 47/20, mop[6,1,2] = 21/20, mop[6,2,1] = -13/20, mop[7,1,1] = -3/20, mop[1,1,1,6] = 0, mop[1,1,2,5] = 0, mop[
1,1,3,4] = 0, mop[1,1,4,3] = 0, mop[1,1,5,2] = 0, mop[1,1,6,1] = 0, mop[1,2,1,5] = 0, mop[1,2,2,4] = 0, mop[1,2,3,3] = 0,
mop[1,2,4,2] = 0, mop[1,2,5,1] = 0, mop[1,3,1,4] = 0, mop[1,3,2,3] = 0, mop[1,3,3,2] = 0, mop[1,3,4,1] = 0, mop[1,4,1,3]
= 0, mop[1,4,2,2] = 0, mop[1,4,3,1] = 0, mop[1,5,1,2] = 0, mop[1,5,2,1] = 0, mop[1,6,1,1] = 0, mop[2,1,1,5] = 21/4, mop[2
,1,2,4] = -21/4, mop[2,1,3,3] = 0, mop[2,1,4,2] = 21/10, mop[2,1,5,1] = -59/10, mop[2,2,1,4] = -41/4, mop[2,2,2,3] = 289/
20, mop[2,2,3,2] = -197/20, mop[2,2,4,1] = 13, mop[2,3,1,3] = 163/20, mop[2,3,2,2] = -71/20, mop[2,3,3,1] = -71/10, mop[2
,4,1,2] = -67/10, mop[2,4,2,1] = 46/5, mop[2,5,1,1] = 17/10, mop[3,1,1,4] = -21/4, mop[3,1,2,3] = 21/5, mop[3,1,3,2] = -\
21/10, mop[3,1,4,1] = 11/2, mop[3,2,1,3] = 63/20, mop[3,2,2,2] = -21/20, mop[3,2,3,1] = -47/20, mop[3,3,1,2] = 21/10, mop
[3,3,2,1] = -113/20, mop[3,4,1,1] = -9/10, mop[4,1,1,3] = 63/20, mop[4,1,2,2] = -21/20, mop[4,1,3,1] = -47/20, mop[4,2,1,
2] = -21/10, mop[4,2,2,1] = 11/4, mop[4,3,1,1] = 1/2, mop[5,1,1,2] = -21/20, mop[5,1,2,1] = 13/20, mop[5,2,1,1] = 3/20,
mop[6,1,1,1] = 3/20, mop[1,1,1,1,5] = 0, mop[1,1,1,2,4] = 0, mop[1,1,1,3,3] = 0, mop[1,1,1,4,2] = 0, mop[1,1,1,5,1] = 0,
mop[1,1,2,1,4] = 0, mop[1,1,2,2,3] = 0, mop[1,1,2,3,2] = 0, mop[1,1,2,4,1] = 0, mop[1,1,3,1,3] = 0, mop[1,1,3,2,2] = 0,
mop[1,1,3,3,1] = 0, mop[1,1,4,1,2] = 0, mop[1,1,4,2,1] = 0, mop[1,1,5,1,1] = 0, mop[1,2,1,1,4] = 0, mop[1,2,1,2,3] = 0,
mop[1,2,1,3,2] = 0, mop[1,2,1,4,1] = 0, mop[1,2,2,1,3] = 0, mop[1,2,2,2,2] = 0, mop[1,2,2,3,1] = 0, mop[1,2,3,1,2] = 0,
mop[1,2,3,2,1] = 0, mop[1,2,4,1,1] = 0, mop[1,3,1,1,3] = 0, mop[1,3,1,2,2] = 0, mop[1,3,1,3,1] = 0, mop[1,3,2,1,2] = 0,
mop[1,3,2,2,1] = 0, mop[1,3,3,1,1] = 0, mop[1,4,1,1,2] = 0, mop[1,4,1,2,1] = 0, mop[1,4,2,1,1] = 0, mop[1,5,1,1,1] = 0,
mop[2,1,1,1,4] = 21/4, mop[2,1,1,2,3] = -21/5, mop[2,1,1,3,2] = 21/10, mop[2,1,1,4,1] = -11/2, mop[2,1,2,1,3] = -63/20,
mop[2,1,2,2,2] = 21/20, mop[2,1,2,3,1] = 47/20, mop[2,1,3,1,2] = -21/10, mop[2,1,3,2,1] = 113/20, mop[2,1,4,1,1] = 9/10,
mop[2,2,1,1,3] = -163/20, mop[2,2,1,2,2] = 71/20, mop[2,2,1,3,1] = 71/10, mop[2,2,2,1,2] = 197/20, mop[2,2,2,2,1] = -31/2
, mop[2,2,3,1,1] = -11/4, mop[2,3,1,1,2] = 71/20, mop[2,3,1,2,1] = -29/10, mop[2,3,2,1,1] = -13/20, mop[2,4,1,1,1] = -17/
10, mop[3,1,1,1,3] = -63/20, mop[3,1,1,2,2] = 21/20, mop[3,1,1,3,1] = 47/20, mop[3,1,2,1,2] = 21/10, mop[3,1,2,2,1] = -11
/4, mop[3,1,3,1,1] = -1/2, mop[3,2,1,1,2] = 21/20, mop[3,2,1,2,1] = -13/20, mop[3,2,2,1,1] = -3/20, mop[3,3,1,1,1] = 9/10
, mop[4,1,1,1,2] = 21/20, mop[4,1,1,2,1] = -13/20, mop[4,1,2,1,1] = -3/20, mop[4,2,1,1,1] = -1/2, mop[5,1,1,1,1] = -3/20,
mop[1,1,1,1,4] = 0, mop[1,1,1,2,3] = 0, mop[1,1,1,3,2] = 0, mop[1,1,1,4,1] = 0, mop[1,1,2,1,3] = 0, mop[1,1,1,2
,2,2] = 0, mop[1,1,2,3,1] = 0, mop[1,1,3,1,2] = 0, mop[1,1,3,2,1] = 0, mop[1,1,4,1,1] = 0, mop[1,2,1,2,1,3] = 0,
mop[1,2,1,2,2] = 0, mop[1,2,1,3,1] = 0, mop[1,2,2,1,2] = 0, mop[1,2,2,2,1] = 0, mop[1,2,3,1,1] = 0, mop[1,1,3,1
,1,2] = 0, mop[1,1,3,1,2,1] = 0, mop[1,1,3,2,1,1] = 0, mop[1,1,4,1,1,1] = 0, mop[1,2,1,1,1,3] = 0, mop[1,2,1,1,2,2] = 0,
mop[1,2,1,1,3,1] = 0, mop[1,2,1,2,1,2] = 0, mop[1,2,1,2,2,1] = 0, mop[1,2,1,3,1,1] = 0, mop[1,2,2,1,1,2] = 0, mop[1,2,2,1
,2,1] = 0, mop[1,2,2,2,1,1] = 0, mop[1,2,3,1,1,1] = 0, mop[1,3,1,1,1,2] = 0, mop[1,3,1,1,2,1] = 0, mop[1,3,1,2,1,1] = 0,
mop[1,3,2,1,1,1] = 0, mop[1,4,1,1,1,1] = 0, mop[2,1,1,1,1,3] = 63/20, mop[2,1,1,1,2,2] = -21/20, mop[2,1,1,3,1] = -47/
20, mop[2,1,1,2,1,2] = -21/10, mop[2,1,1,2,2,1] = 11/4, mop[2,1,1,3,1,1] = 1/2, mop[2,1,2,1,1,2] = -21/20, mop[2,1,2,1,2,
1] = 13/20, mop[2,1,2,2,1,1] = 3/20, mop[2,1,3,1,1,1] = -9/10, mop[2,2,1,1,2,1] = -71/20, mop[2,2,1,2,1,1] = 29/10, mop[2
,2,1,2,1,1] = 13/20, mop[2,2,2,1,1,1] = 11/4, mop[2,3,1,1,1,1] = 13/20, mop[3,1,1,1,1,2] = -21/20, mop[3,1,1,1,2,1] = 13/
20, mop[3,1,1,2,1,1] = 3/20, mop[3,1,2,1,1,1] = 1/2, mop[3,2,1,1,1,1] = 3/20, mop[4,1,1,1,1,1] = 3/20, mop[1,1,1,1,1,1,3]
= 0, mop[1,1,1,1,1,2,2] = 0, mop[1,1,1,1,1,3,1] = 0, mop[1,1,1,1,2,1,2] = 0, mop[1,1,1,1,2,2,1] = 0, mop[1,1,1,1,3,1,1] =
0, mop[1,1,1,2,1,1,2] = 0, mop[1,1,1,2,1,2,1] = 0, mop[1,1,1,2,2,1,1] = 0, mop[1,1,1,3,1,1,1] = 0, mop[1,1,2,1,1,1,2] = 0
, mop[1,1,2,1,1,2,1] = 0, mop[1,1,2,1,2,1,1] = 0, mop[1,1,2,2,1,1,1] = 0, mop[1,1,3,1,1,1,1] = 0, mop[1,2,1,1,1,1,2] = 0,
mop[1,2,1,1,1,2,1] = 0, mop[1,2,1,1,2,1,1] = 0, mop[1,2,1,2,1,1,1] = 0, mop[1,2,2,1,1,1,1] = 0, mop[1,3,1,1,1,1,1] = 0,
mop[2,1,1,1,1,1,2] = 21/20, mop[2,1,1,1,1,2,1] = -13/20, mop[2,1,1,1,2,1,1] = -3/20, mop[2,1,1,2,1,1,1] = -1/2, mop[2,1,2
,1,1,1,1] = -3/20, mop[2,2,1,1,1,1,1] = -13/20, mop[3,1,1,1,1,1,1] = -3/20, mop[1,1,1,1,1,1,1,2] = 0, mop[1,1,1,1,1,1,2,1
] = 0, mop[1,1,1,1,1,2,1,1] = 0, mop[1,1,1,1,2,1,1,1] = 0, mop[1,1,1,2,1,1,1,1] = 0, mop[1,1,2,1,1,1,1,1] = 0, mop[1,2,1,
1,1,1,1,1] = 0, mop[2,1,1,1,1,1,1,1] = 3/20, mop[1,1,1,1,1,1,1,1,1] = 0] : ##

semop10:=
[mop[10] = 5/66, mop[1,9] = 15/22, mop[2,8] = -30/11, mop[3,7] = 203/44, mop[4,6] = -189/44, mop[5,5] = -5/132, mop[6,4]
= 535/132, mop[7,3] = -619/132, mop[8,2] = 317/132, mop[9,1] = -25/33, mop[1,1,8] = 30/11, mop[1,2,7] = -357/44, mop[1,3,
6] = 651/44, mop[1,4,5] = -915/44, mop[1,5,4] = 885/44, mop[1,6,3] = -681/44, mop[1,7,2] = 327/44, mop[1,8,1] = -75/22,
mop[2,1,7] = -70/11, mop[2,2,6] = 105/11, mop[2,3,5] = -155/22, mop[2,4,4] = 15/11, mop[2,5,3] = 80/11, mop[2,6,2] = -75/
11, mop[2,7,1] = 323/44, mop[3,1,6] = 189/44, mop[3,2,5] = 335/132, mop[3,3,4] = -1195/132, mop[3,4,3] = 623/66, mop[3,5,
2] = -307/66, mop[3,6,1] = -161/44, mop[4,1,5] = -35/44, mop[4,2,4] = -105/44, mop[4,3,3] = -5/22, mop[4,4,2] = 37/22,
mop[4,5,1] = -43/132, mop[5,1,4] = -535/132, mop[5,2,3] = 949/132, mop[5,3,2] = -647/132, mop[5,4,1] = 815/132, mop[6,1,3
] = 553/132, mop[6,2,2] = -251/132, mop[6,3,1] = -505/132, mop[7,1,2] = -317/132, mop[7,2,1] = 331/132, mop[8,1,1] = 67/
132, mop[1,1,1,7] = 70/11, mop[1,1,2,6] = -105/11, mop[1,1,3,5] = 155/22, mop[1,1,4,4] = -15/11, mop[1,1,5,3] = -80/11,
mop[1,1,6,2] = 75/11, mop[1,1,7,1] = -323/44, mop[1,2,1,6] = -651/44, mop[1,2,2,5] = 1025/44, mop[1,2,3,4] = -1105/44,
mop[1,2,4,3] = 621/22, mop[1,2,5,2] = -389/22, mop[1,2,6,1] = 777/44, mop[1,3,1,5] = 805/44, mop[1,3,2,4] = -665/44, mop[
1,3,3,3] = 5/22, mop[1,3,4,2] = 117/22, mop[1,3,5,1] = -851/44, mop[1,4,1,4] = -885/44, mop[1,4,2,3] = 901/44, mop[1,4,3,
2] = -547/44, mop[1,4,4,1] = 975/44, mop[1,5,1,3] = 571/44, mop[1,5,2,2] = -217/44, mop[1,5,3,1] = -455/44, mop[1,6,1,2]
= -327/44, mop[1,6,2,1] = 381/44, mop[1,7,1,1] = 73/44, mop[2,1,1,6] = -105/11, mop[2,1,2,5] = 685/66, mop[2,1,3,4] = -\
265/33, mop[2,1,4,3] = 310/33, mop[2,1,5,2] = -215/33, mop[2,1,6,1] = 469/44, mop[2,2,1,5] = 105/11, mop[2,2,2,4] = -70/
11, mop[2,2,3,3] = 5/22, mop[2,2,4,2] = 20/11, mop[2,2,5,1] = -1255/132, mop[2,3,1,4] = -15/11, mop[2,3,2,3] = -309/44,

mop[2,3,3,2] = 289/44, mop[2,3,4,1] = -265/132, mop[2,4,1,3] = -25/11, mop[2,4,2,2] = 20/11, mop[2,4,3,1] = 203/66, mop[2,5,1,2] = 75/11, mop[2,5,2,1] = -787/66, mop[2,6,1,1] = -23/11, mop[3,1,1,5] = 35/44, mop[3,1,2,4] = 105/44, mop[3,1,3,3] = 5/22, mop[3,1,4,2] = -37/22, mop[3,1,5,1] = 43/132, mop[3,2,1,4] = 1195/132, mop[3,2,2,3] = -1151/66, mop[3,2,3,2] = 835/66, mop[3,2,4,1] = -1805/132, mop[3,3,1,3] = -1213/132, mop[3,3,2,2] = 581/132, mop[3,3,3,1] = 283/33, mop[3,4,1,2] = 307/66, mop[3,4,2,1] = -281/66, mop[3,5,1,1] = -61/66, mop[4,1,1,4] = 105/44, mop[4,1,2,3] = -83/22, mop[4,1,3,2] = 51/22, mop[4,1,4,1] = -485/132, mop[4,2,1,3] = -111/44, mop[4,2,2,2] = 47/44, mop[4,2,3,1] = 74/33, mop[4,3,1,2] = -37/22, mop[4,3,2,1] = 313/66, mop[4,4,1,1] = 49/66, mop[5,1,1,3] = -553/132, mop[5,1,2,2] = 251/132, mop[5,1,3,1] = 505/132, mop[5,2,1,2] = 647/132, mop[5,2,2,1] = -991/132, mop[5,3,1,1] = -59/44, mop[6,1,1,2] = 251/132, mop[6,1,2,1] = -199/132, mop[6,2,1,1] = -15/44, mop[7,1,1,1] = -67/132, mop[1,1,1,6] = 105/11, mop[1,1,1,2,5] = -685/66, mop[1,1,1,3,4] = 265/33, mop[1,1,1,4,3] = -310/33, mop[1,1,1,5,2] = 215/33, mop[1,1,1,6,1] = -469/44, mop[1,1,2,1,5] = -105/11, mop[1,1,2,2,4] = 70/11, mop[1,1,2,3,3] = -5/22, mop[1,1,2,4,2] = -20/11, mop[1,1,2,5,1] = 1255/132, mop[1,1,3,1,4] = 15/11, mop[1,1,3,2,3] = 309/44, mop[1,1,3,3,2] = -289/44, mop[1,1,3,4,1] = 265/132, mop[1,1,4,1,3] = 25/11, mop[1,1,4,2,2] = -20/11, mop[1,1,4,3,1] = -203/66, mop[1,1,5,1,2] = -75/11, mop[1,1,5,2,1] = 787/66, mop[1,1,6,1,1] = 23/11, mop[1,2,1,1,5] = -805/44, mop[1,2,1,2,4] = 665/44, mop[1,2,1,3,3] = -5/22, mop[1,2,1,4,2] = -117/22, mop[1,2,1,5,1] = 851/44, mop[1,2,2,1,4] = 1105/44, mop[1,2,2,2,3] = -338/11, mop[1,2,2,3,2] = 222/11, mop[1,2,2,4,1] = -1305/44, mop[1,2,3,1,3] = -791/44, mop[1,2,3,2,2] = 327/44, mop[1,2,3,3,1] = 166/11, mop[1,2,4,1,2] = 389/22, mop[1,2,4,2,1] = -581/22, mop[1,2,5,1,1] = -313/66, mop[1,3,1,1,4] = 665/44, mop[1,3,1,2,3] = -225/22, mop[1,3,1,3,2] = 103/22, mop[1,3,1,4,1] = -645/44, mop[1,3,2,1,3] = -351/44, mop[1,3,2,2,2] = 107/44, mop[1,3,2,3,1] = 123/22, mop[1,3,3,1,2] = -117/22, mop[1,3,3,2,1] = 155/11, mop[1,3,4,1,1] = 149/66, mop[1,4,1,1,3] = -571/44, mop[1,4,1,2,2] = 217/44, mop[1,4,1,3,1] = 455/44, mop[1,4,2,1,2] = 547/44, mop[1,4,2,2,1] = -\821/44, mop[1,4,3,1,1] = -439/132, mop[1,5,1,1,2] = 217/44, mop[1,5,1,2,1] = -161/44, mop[1,5,2,1,1] = -109/132, mop[1,6,1,1,1] = -73/44, mop[2,1,1,1,5] = -105/11, mop[2,1,1,2,4] = 70/11, mop[2,1,1,3,3] = -5/22, mop[2,1,1,4,2] = -20/11, mop[2,1,1,5,1] = 1255/132, mop[2,1,2,1,4] = 265/33, mop[2,1,2,2,3] = -877/132, mop[2,1,2,3,2] = 497/132, mop[2,1,2,4,1] = -\1055/132, mop[2,1,3,1,3] = -145/33, mop[2,1,3,2,2] = 50/33, mop[2,1,3,3,1] = 215/66, mop[2,1,4,1,2] = 215/33, mop[2,1,4,2,1] = -731/66, mop[2,1,5,1,1] = -21/11, mop[2,2,1,1,4] = 70/11, mop[2,2,1,2,3] = -71/22, mop[2,2,1,3,2] = 13/11, mop[2,2,1,4,1] = -725/132, mop[2,2,2,1,3] = -30/11, mop[2,2,2,2,2] = 15/22, mop[2,2,2,3,1] = 221/132, mop[2,2,3,1,2] = -20/11, mop[2,2,3,2,1] = 617/132, mop[2,2,4,1,1] = 25/33, mop[2,3,1,1,3] = 25/11, mop[2,3,1,2,2] = -20/11, mop[2,3,1,3,1] = -203/66, mop[2,3,2,1,2] = -289/44, mop[2,3,2,2,1] = 377/33, mop[2,3,3,1,1] = 265/132, mop[2,4,1,1,2] = -20/11, mop[2,4,1,2,1] = 127/66, mop[2,4,2,1,1] = 14/33, mop[2,5,1,1,1] = 23/11, mop[3,1,1,1,4] = -105/44, mop[3,1,1,2,3] = 83/22, mop[3,1,1,3,2] = -51/22, mop[3,1,1,4,1] = 485/132, mop[3,1,2,1,3] = 111/44, mop[3,1,2,2,2] = -47/44, mop[3,1,2,3,1] = -74/33, mop[3,1,3,1,2] = 37/22, mop[3,1,3,2,1] = -313/66, mop[3,1,4,1,1] = -49/66, mop[3,2,1,1,3] = 1213/132, mop[3,2,1,2,2] = -581/132, mop[3,2,1,3,1] = -283/33, mop[3,2,2,1,2] = -835/66, mop[3,2,2,2,1] = 1337/66, mop[3,2,3,1,1] = 79/22, mop[3,3,1,1,2] = -\581/132, mop[3,3,1,2,1] = 124/33, mop[3,3,2,1,1] = 37/44, mop[3,4,1,1,1] = 61/66, mop[4,1,1,1,3] = 111/44, mop[4,1,1,2,2] = -47/44, mop[4,1,1,3,1] = -74/33, mop[4,1,2,1,2] = -51/22, mop[4,1,2,2,1] = 215/66, mop[4,1,3,1,1] = 13/22, mop[4,2,1,1,2] = -47/44, mop[4,2,1,2,1] = 25/33, mop[4,2,2,1,1] = 23/132, mop[4,3,1,1,1] = -49/66, mop[5,1,1,1,2] = -251/132, mop[5,1,1,2,1] = 199/132, mop[5,1,2,1,1] = 15/44, mop[5,2,1,1,1] = 59/44, mop[6,1,1,1,1] = 15/44, mop[1,1,1,1,5] = 105/11, mop[1,1,1,2,4] = -70/11, mop[1,1,1,3,3] = 5/22, mop[1,1,1,4,2] = 20/11, mop[1,1,1,5,1] = -1255/132, mop[1,1,2,1,4] = -265/33, mop[1,1,2,2,3] = 877/132, mop[1,1,2,3,2] = -497/132, mop[1,1,2,4,1] = 1055/132, mop[1,1,3,1,3] = 145/33, mop[1,1,3,2,2] = -50/33, mop[1,1,3,3,1] = -215/66, mop[1,1,4,1,2] = -215/33, mop[1,1,4,2,1] = 731/66, mop[1,1,5,1,1] = 21/11, mop[1,2,1,1,4] = -70/11, mop[1,2,1,2,3] = 71/22, mop[1,2,1,3,2] = -13/11, mop[1,2,1,4,1] = 725/132, mop[1,2,2,1,3] = 30/11, mop[1,2,2,2,2] = -15/22, mop[1,2,2,3,1] = -221/132, mop[1,2,3,1,2] = 20/11, mop[1,2,3,2,1] = -617/132, mop[1,2,4,1,1] = -25/33, mop[1,3,1,1,3] = -25/11, mop[1,3,1,2,2] = 20/11, mop[1,3,1,3,1] = 203/66, mop[1,3,2,1,2] = 289/44, mop[1,3,2,2,1] = -377/33, mop[1,3,3,1,1] = -265/132, mop[1,4,1,1,2] = 20/11, mop[1,4,1,2,1] = -127/66, mop[1,4,2,1,1] = -14/33, mop[1,5,1,1,1] = -23/11, mop[1,2,1,1,1,4] = -665/44, mop[1,2,1,1,2,3] = 225/22, mop[1,2,1,1,3,2] = -103/22, mop[1,2,1,1,4,1] = 645/44, mop[1,2,1,2,1,3] = 351/44, mop[1,2,1,2,2,2] = -107/44, mop[1,2,1,2,3,1] = -123/22, mop[1,2,1,3,1,2] = 117/22, mop[1,2,1,3,2,1] = -155/11, mop[1,2,1,4,1,1] = -149/66, mop[1,2,2,1,1,3] = 791/44, mop[1,2,2,1,2,2] = -327/44, mop[1,2,2,1,3,1] = -166/11, mop[1,2,2,2,1,2] = -222/11, mop[1,2,2,2,2,1] = 691/22, mop[1,2,2,3,1,1] = 184/33, mop[1,2,3,1,1,2] = -327/44, mop[1,2,3,1,2,1] = 65/11, mop[1,2,3,2,1,1] = 175/132, mop[1,2,4,1,1,1] = 313/66, mop[1,3,1,1,1,3] = 351/44, mop[1,3,1,1,2,2] = -107/44, mop[1,3,1,1,3,1] = -123/22, mop[1,3,1,2,1,2] = -103/22, mop[1,3,1,2,2,1] = 65/11, mop[1,3,1,3,1,1] = 71/66, mop[1,3,2,1,1,2] = -107/44, mop[1,3,2,1,2,1] = 31/22, mop[1,3,2,2,1,1] = 43/132, mop[1,3,3,1,1,1] = -149/66, mop[1,4,1,1,1,2] = -217/44, mop[1,4,1,1,2,1] = 161/44, mop[1,4,1,2,1,1] = 109/132, mop[1,4,2,1,1,1] = 439/132, mop[1,5,1,1,1,1] = 109/132, mop[2,1,1,1,1,4] = -70/11, mop[2,1,1,1,2,3] = 71/22, mop[2,1,1,1,3,2] = -13/11, mop[2,1,1,1,4,1] = 725/132, mop[2,1,1,2,1,3] = 30/11, mop[2,1,1,2,2,2] = -15/22, mop[2,1,1,2,3,1] = -221/132, mop[2,1,1,3,1,2] = 20/11, mop[2,1,1,3,2,1] = -617/132, mop[2,1,1,4,1,1] = -25/33, mop[2,1,2,1,1,3] = 145/33, mop[2,1,2,1,2,2] = -50/33, mop[2,1,2,1,3,1] = -215/66, mop[2,1,2,2,1,2] = -497/132, mop[2,1,2,2,2,1] = 184/33, mop[2,1,2,3,1,1] = 131/132, mop[2,1,3,1,1,2] = -50/33, mop[2,1,3,1,2,1] = 71/66, mop[2,1,3,2,1,1] = 8/33, mop[2,1,4,1,1,1] = 21/11, mop[2,2,1,1,1,3] = 30/11, mop[2,2,1,1,2,2] = -15/22, mop[2,2,1,1,3,1] = -221/132, mop[2,2,1,2,1,2] = -13/11, mop[2,2,1,2,2,1] = 175/132, mop[2,2,1,3,1,1] = 8/33, mop[2,2,2,1,1,2] = -15/22, mop[2,2,2,1,2,1] = 43/132, mop[2,2,2,2,1,1] = 5/66, mop[2,2,3,1,1,1] = -25/33, mop[2,3,1,1,1,2] = 20/11, mop[2,3,1,1,2,1] = -127/66, mop[2,3,1,2,1,1] = -14/33, mop[2,3,2,1,1,1] = -265/132, mop[2,4,1,1,1,1] = -14/33, mop[3,1,1,1,1,3] = -111/44, mop[3,1,1,1,2,2] = 47/44, mop[3,1,1,1,3,1] = 74/33, mop[3,1,1,2,1,2] = 51/22, mop[3,1,1,2,2,1] = -215/66, mop[3,1,1,3,1,1] = -13/22, mop[3,1,2,1,1,2] = 47/44, mop[3,1,2,1,2,1] = -25/33, mop[3,1,2,2,1,1] = -23/132, mop[3,1,3,1,1,1] = 49/66, mop[3,2,1,1,1,2] = 581/132, mop[3,2,1,1,2,1] = -124/33, mop[3,2,1,2,1,1] = -37/44, mop[3,2,2,1,1,1] = -79/22, mop[3,3,1,1,1,1] = -37/44, mop[4,1,1,1,1,2] = 47/44, mop[4,1,1,1,2,1] = -25/33, mop[4,1,1,2,1,1] = -23/132, mop[4,2,1,1,1,1] = -23/132, mop[5,1,1,1,1,1] = -15/44, mop[1,1,1,1,1,4] = 70/11, mop[1,1,1,1,2,3] = -71/22, mop[1,1,1,1,3,2] = 13/11, mop[1,1,1,1,4,1] = -725/132, mop[1,1,1,2,1,3] = -30/11, mop[1,1,1,2,2,2] = 15/22, mop[1,1,1,2,3,1] = 221/132, mop[1,1,1,3,1,2] = -\20/11, mop[1,1,1,3,2,1] = 617/132, mop[1,1,1,4,1,1] = 25/33, mop[1,1,2,1,1,3] = -145/33, mop[1,1,2,1,2,2] = 50/33, mop[1,1,2,1,3,1] = 215/66, mop[1,1,2,2,1,2] = 497/132, mop[1,1,2,2,2,1] = -184/33, mop[1,1,2,3,1,1] = -131/132, mop[1,1,3,1,1,2] = 50/33, mop[1,1,3,1,2,1] = -71/66, mop[1,1,3,2,1,1] = -8/33, mop[1,1,4,1,1,1] = -21/11, mop[1,2,1,1,1,3] = -30/11, mop[1,2,1,1,2,2] = 15/22, mop[1,2,1,2,1,2] = 13/11, mop[1,2,1,2,2,1] = -175/132, mop[1,2,1,3,1,1] = -8/33, mop[1,2,2,1,1,2] = 15/22, mop[1,2,2,1,2,1] = -43/132, mop[1,2,2,2,1,1] = -5/66, mop[1,2,3,1,1,1] = 25/33, mop[1,3,1,1,1,2] = -20/11, mop[1,3,1,1,2,1] = 127/66, mop[1,3,1,2,1,1] = 14/33, mop[1,3,2,1,1,1] = 265/132, mop[1,4,1,1,1,1] = 14/33, mop[1,2,1,1,1,1,3] = -351/44, mop[1,2,1,1,1,2,2] = 107/44, mop[1,2,1,1,1,3,1] = 123/22, mop[1,2,1,1,2,1,2] = 103/22, mop[1,2,1,1,2,2,1] = -65/11, mop[1,2,1,1,3,1,1] = -71/66, mop[1,2,1,2,1,1,2] = 107/44, mop[1,2,1,2,1,2,1] = -31/22, mop[1,2,1,2,2,1,1] = -43/132, mop[1,2,1,3,1,1,1] = 149/66, mop[1,2,2,1,1,1,2] = 327/44, mop[1,2,2,1,1,2,1] = -65/11, mop[1,2,2,1,2,1,1] = -175/132, mop[1,2,2,2,1,1,1] = -184/33, mop[1,2,3,1,1,1,1] = -175/132, mop[1,3,1,1,1,1,2] = 107/44, mop[1,3,1,1,1,2,1] = -31/22, mop[1,3,1,1,2,1,1] = -43/132, mop[1,3,1,2,1,1,1] = -71/66, mop[1,3,2,1,1,1,1] = -43/132, mop[1,4,1,1,1,1,1] = -109/132, mop[2,1,1,1,1,1,3] = -30/11, mop[2,1,1,1,1,2,2] = 15/22, mop[2,1,1,1,1,3,1] = 221/132, mop[2,1,1,1,2,1,2] = 13/11, mop[2,1,1,1,2,2,1] = -175/132, mop[2,1,1,1,3,1,1] = -8/33, mop[2,1,1,2,1,1,2] = 15/22, mop[2,1,1,2,1,2,1] = -43/132, mop[2,1,1,2,2,1,1] = -5/66, mop[2,1,1,3,1,1,1] = 25/33

, mop[2,1,2,1,1,1,2] = 50/33, mop[2,1,2,1,1,2,1] = -71/66, mop[2,1,2,1,2,1,1] = -8/33, mop[2,1,2,2,1,1,1] = -131/132, mop[2,1,3,1,1,1,1] = -8/33, mop[2,2,1,1,1,1,2] = 15/22, mop[2,2,1,1,1,2,1] = -43/132, mop[2,2,1,1,2,1,1] = -5/66, mop[2,2,1,2,1,1,1] = -8/33, mop[2,2,2,1,1,1,1] = -5/66, mop[2,3,1,1,1,1,1] = 14/33, mop[3,1,1,1,1,1,2] = -47/44, mop[3,1,1,1,1,2,1] = 25/33, mop[3,1,1,1,2,1,1] = 23/132, mop[3,1,1,2,1,1,1] = 13/22, mop[3,1,2,1,1,1,1] = 23/132, mop[3,2,1,1,1,1,1] = 37/44, mop[4,1,1,1,1,1,1] = 23/132, mop[1,1,1,1,1,1,1,3] = 30/11, mop[1,1,1,1,1,1,2,2] = -15/22, mop[1,1,1,1,1,1,3,1] = -221/132, mop[1,1,1,1,1,2,1,2] = -13/11, mop[1,1,1,1,1,2,2,1] = 175/132, mop[1,1,1,1,1,3,1,1] = 8/33, mop[1,1,1,1,2,1,1,2] = -15/22, mop[1,1,1,1,2,1,2,1] = 43/132, mop[1,1,1,1,2,2,1,1] = 5/66, mop[1,1,1,1,3,1,1,1] = -25/33, mop[1,1,1,2,1,1,1,2] = -50/33, mop[1,1,1,2,1,1,2,1] = 71/66, mop[1,1,1,2,1,2,1,1] = 8/33, mop[1,1,1,2,2,1,1,1] = 131/132, mop[1,1,1,3,1,1,1,1] = 8/33, mop[1,1,2,1,1,1,1,2] = -15/22, mop[1,1,2,1,1,1,2,1] = 43/132, mop[1,1,2,1,1,2,1,1] = 5/66, mop[1,1,2,1,2,1,1,1] = 8/33, mop[1,1,2,2,1,1,1,1] = 5/66, mop[1,1,3,1,1,1,1,1] = -14/33, mop[1,2,1,1,1,1,1,2] = -107/44, mop[1,2,1,1,1,1,2,1] = 31/22, mop[1,2,1,1,1,2,1,1] = 43/132, mop[1,2,1,1,2,1,1,1] = 71/66, mop[1,2,1,2,1,1,1,1] = 43/132, mop[1,2,2,1,1,1,1,1] = 175/132, mop[1,3,1,1,1,1,1,1] = 43/132, mop[2,1,1,1,1,1,1,2] = -15/22, mop[2,1,1,1,1,1,2,1] = 43/132, mop[2,1,1,1,1,2,1,1] = 5/66, mop[2,1,1,1,2,1,1,1] = 8/33, mop[2,1,1,2,1,1,1,1] = 5/66, mop[2,1,2,1,1,1,1,1] = 8/33, mop[2,2,1,1,1,1,1,1] = 5/66, mop[3,1,1,1,1,1,1,1] = -23/132, mop[1,1,1,1,1,1,1,1,2] = 15/22, mop[1,1,1,1,1,1,1,2,1] = -43/132, mop[1,1,1,1,1,1,2,1,1] = -5/66, mop[1,1,1,1,1,2,1,1,1] = -8/33, mop[1,1,1,1,2,1,1,1,1] = -5/66, mop[1,1,1,2,1,1,1,1,1] = -8/33, mop[1,1,2,1,1,1,1,1,1] = -5/66, mop[1,2,1,1,1,1,1,1,1] = -43/132, mop[2,1,1,1,1,1,1,1,1] = -5/66, mop[1,1,1,1,1,1,1,1,1,1] = 5/66] : ##

semop11:=
[mop[11] = 0, mop[1,10] = 0, mop[2,9] = -15/4, mop[3,8] = 15, mop[4,7] = -35, mop[5,6] = 105/2, mop[6,5] = -105/2, mop[7,4] = 35, mop[8,3] = -15, mop[9,2] = 15/4, mop[10,1] = -5/12, mop[1,1,9] = 0, mop[1,2,8] = 0, mop[1,3,7] = 0, mop[1,4,6] = 0, mop[1,5,5] = 0, mop[1,6,4] = 0, mop[1,7,3] = 0, mop[1,8,2] = 0, mop[1,9,1] = 0, mop[2,1,8] = -15, mop[2,2,7] = 357/8, mop[2,3,6] = -651/8, mop[2,4,5] = 915/8, mop[2,5,4] = -885/8, mop[2,6,3] = 681/8, mop[2,7,2] = -327/8, mop[2,8,1] = 75/4, mop[3,1,7] = 35, mop[3,2,6] = -105/2, mop[3,3,5] = 155/4, mop[3,4,4] = -15/2, mop[3,5,3] = -40, mop[3,6,2] = 75/2, mop[3,7,1] = -323/8, mop[4,1,6] = -105/2, mop[4,2,5] = 685/12, mop[4,3,4] = -265/6, mop[4,4,3] = 155/3, mop[4,5,2] = -215/6, mop[4,6,1] = 469/8, mop[5,1,5] = 105/2, mop[5,2,4] = -35, mop[5,3,3] = 5/4, mop[5,4,2] = 10, mop[5,5,1] = -1255/24, mop[6,1,4] = -35, mop[6,2,3] = 71/4, mop[6,3,2] = -13/2, mop[6,4,1] = 725/24, mop[7,1,3] = 15, mop[7,2,2] = -15/4, mop[7,3,1] = -221/24, mop[8,1,2] = -15/4, mop[8,2,1] = 43/24, mop[9,1,1] = 5/12, mop[1,1,1,8] = 0, mop[1,1,2,7] = 0, mop[1,1,3,6] = 0, mop[1,1,4,5] = 0, mop[1,1,5,4] = 0, mop[1,1,6,3] = 0, mop[1,1,7,2] = 0, mop[1,1,8,1] = 0, mop[1,2,1,7] = 0, mop[1,2,2,6] = 0, mop[1,2,3,5] = 0, mop[1,2,4,4] = 0, mop[1,2,5,3] = 0, mop[1,2,6,2] = 0, mop[1,2,7,1] = 0, mop[1,3,1,6] = 0, mop[1,3,2,5] = 0, mop[1,3,3,4] = 0, mop[1,3,4,3] = 0, mop[1,3,5,2] = 0, mop[1,3,6,1] = 0, mop[1,4,1,5] = 0, mop[1,4,2,4] = 0, mop[1,4,3,3] = 0, mop[1,4,4,2] = 0, mop[1,4,5,1] = 0, mop[1,5,1,4] = 0, mop[1,5,2,3] = 0, mop[1,5,3,2] = 0, mop[1,5,4,1] = 0, mop[1,6,1,3] = 0, mop[1,6,2,2] = 0, mop[1,6,3,1] = 0, mop[1,7,2,1] = 0, mop[1,8,1,1] = 0, mop[2,1,1,7] = -35, mop[2,1,2,6] = 105/2, mop[2,1,3,5] = -155/4, mop[2,1,4,4] = 15/2, mop[2,1,5,3] = 40, mop[2,1,6,2] = -75/2, mop[2,1,7,1] = 323/8, mop[2,2,1,6] = 651/8, mop[2,2,2,5] = -1025/8, mop[2,2,3,4] = 1105/8, mop[2,2,4,3] = -621/4, mop[2,2,5,2] = 389/4, mop[2,2,6,1] = -777/8, mop[2,3,1,5] = -805/8, mop[2,3,2,4] = 665/8, mop[2,3,3,3] = -5/4, mop[2,3,4,2] = -117/4, mop[2,3,5,1] = 851/8, mop[2,4,1,4] = 885/8, mop[2,4,2,3] = -901/8, mop[2,4,3,2] = 547/8, mop[2,4,4,1] = -975/8, mop[2,5,1,3] = -571/8, mop[2,5,2,2] = 217/8, mop[2,5,3,1] = 455/8, mop[2,6,1,2] = 327/8, mop[2,6,2,1] = -381/8, mop[2,7,1,1] = -73/8, mop[3,1,1,6] = 105/2, mop[3,1,2,5] = -685/12, mop[3,1,3,4] = 265/6, mop[3,1,4,3] = -155/3, mop[3,1,5,2] = 215/6, mop[3,1,6,1] = -469/8, mop[3,2,1,5] = -105/2, mop[3,2,2,4] = 35, mop[3,2,3,3] = -5/4, mop[3,2,4,2] = -10, mop[3,2,5,1] = 1255/24, mop[3,3,1,4] = 15/2, mop[3,3,2,3] = 309/8, mop[3,3,3,2] = -289/8, mop[3,3,4,1] = 265/24, mop[3,4,1,3] = 25/2, mop[3,4,2,2] = -10, mop[3,4,3,1] = -203/12, mop[3,5,1,2] = -75/2, mop[3,5,2,1] = 787/12, mop[3,6,1,1] = 23/2, mop[4,1,1,5] = -105/2, mop[4,1,2,4] = 35, mop[4,1,3,3] = -5/4, mop[4,1,4,2] = -10, mop[4,1,5,1] = 1255/24, mop[4,2,1,4] = 265/6, mop[4,2,2,3] = -877/24, mop[4,2,3,2] = 497/24, mop[4,2,4,1] = -1055/24, mop[4,3,1,3] = -145/6, mop[4,3,2,2] = 25/3, mop[4,3,3,1] = 215/12, mop[4,4,1,2] = 215/6, mop[4,4,2,1] = -731/12, mop[4,5,1,1] = -21/2, mop[5,1,1,4] = 35, mop[5,1,2,3] = -71/4, mop[5,1,3,2] = 13/2, mop[5,1,4,1] = -725/24, mop[5,2,1,3] = -15, mop[5,2,2,2] = 15/4, mop[5,2,3,1] = 221/24, mop[5,3,1,2] = -10, mop[5,3,2,1] = 617/24, mop[5,4,1,1] = 25/6, mop[6,1,1,3] = -15, mop[6,1,2,2] = 15/4, mop[6,1,3,1] = 221/24, mop[6,2,1,2] = 13/2, mop[6,2,2,1] = -175/24, mop[6,3,1,1] = -4/3, mop[7,1,1,2] = 15/4, mop[7,1,2,1] = -43/24, mop[7,2,1,1] = -5/12, mop[8,1,1,1] = -5/12, mop[1,1,1,1,7] = 0, mop[1,1,1,2,6] = 0, mop[1,1,1,3,5] = 0, mop[1,1,1,4,4] = 0, mop[1,1,1,5,3] = 0, mop[1,1,1,6,2] = 0, mop[1,1,1,7,1] = 0, mop[1,1,2,1,6] = 0, mop[1,1,2,2,5] = 0, mop[1,1,2,3,4] = 0, mop[1,1,2,4,3] = 0, mop[1,1,2,5,2] = 0, mop[1,1,2,6,1] = 0, mop[1,1,3,1,5] = 0, mop[1,1,3,2,4] = 0, mop[1,1,3,3,3] = 0, mop[1,1,3,4,2] = 0, mop[1,1,3,5,1] = 0, mop[1,1,4,1,4] = 0, mop[1,1,4,2,3] = 0, mop[1,1,4,3,2] = 0, mop[1,1,4,4,1] = 0, mop[1,1,5,1,3] = 0, mop[1,1,5,2,2] = 0, mop[1,1,5,3,1] = 0, mop[1,1,6,1,2] = 0, mop[1,1,6,2,1] = 0, mop[1,1,7,1,1] = 0, mop[1,2,1,1,6] = 0, mop[1,2,1,2,5] = 0, mop[1,2,1,3,4] = 0, mop[1,2,1,4,3] = 0, mop[1,2,1,5,2] = 0, mop[1,2,1,6,1] = 0, mop[1,2,2,1,5] = 0, mop[1,2,2,2,4] = 0, mop[1,2,2,3,3] = 0, mop[1,2,2,4,2] = 0, mop[1,2,2,5,1] = 0, mop[1,2,3,1,4] = 0, mop[1,2,3,2,3] = 0, mop[1,2,3,3,2] = 0, mop[1,2,3,4,1] = 0, mop[1,2,4,1,3] = 0, mop[1,2,4,2,2] = 0, mop[1,2,4,3,1] = 0, mop[1,2,5,1,2] = 0, mop[1,2,5,2,1] = 0, mop[1,2,6,1,1] = 0, mop[1,3,1,1,5] = 0, mop[1,3,1,2,4] = 0, mop[1,3,1,3,3] = 0, mop[1,3,1,4,2] = 0, mop[1,3,1,5,1] = 0, mop[1,3,2,1,4] = 0, mop[1,3,2,2,3] = 0, mop[1,3,2,3,2] = 0, mop[1,3,2,4,1] = 0, mop[1,3,3,1,3] = 0, mop[1,3,3,2,2] = 0, mop[1,3,3,3,1] = 0, mop[1,3,4,1,2] = 0, mop[1,3,4,2,1] = 0, mop[1,3,5,1,1] = 0, mop[1,4,1,1,4] = 0, mop[1,4,1,2,3] = 0, mop[1,4,1,3,2] = 0, mop[1,4,1,4,1] = 0, mop[1,4,2,1,3] = 0, mop[1,4,2,2,2] = 0, mop[1,4,2,3,1] = 0, mop[1,4,3,1,2] = 0, mop[1,4,3,2,1] = 0, mop[1,4,4,1,1] = 0, mop[1,5,1,1,3] = 0, mop[1,5,1,2,2] = 0, mop[1,5,1,3,1] = 0, mop[1,5,2,1,2] = 0, mop[1,5,2,2,1] = 0, mop[1,5,3,1,1] = 0, mop[1,6,1,1,2] = 0, mop[1,6,1,2,1] = 0, mop[1,6,2,1,1] = 0, mop[1,7,1,1,1] = 0, mop[2,1,1,1,6] = -105/2, mop[2,1,1,2,5] = 685/12, mop[2,1,1,3,4] = -265/6, mop[2,1,1,4,3] = 155/3, mop[2,1,1,5,2] = -215/6, mop[2,1,1,6,1] = 469/8, mop[2,1,2,1,5] = 105/2, mop[2,1,2,2,4] = -35, mop[2,1,2,3,3] = 5/4, mop[2,1,2,4,2] = 10, mop[2,1,2,5,1] = -1255/24, mop[2,1,3,1,4] = -15/2, mop[2,1,3,2,3] = -309/8, mop[2,1,3,3,2] = 289/8, mop[2,1,3,4,1] = -265/24, mop[2,1,4,1,3] = -25/2, mop[2,1,4,2,2] = 10, mop[2,1,4,3,1] = 203/12, mop[2,1,5,1,2] = 75/2, mop[2,1,5,2,1] = -787/12, mop[2,1,6,1,1] = -23/2, mop[2,2,1,1,5] = 805/8, mop[2,2,1,2,4] = -665/8, mop[2,2,1,3,3] = 5/4, mop[2,2,1,4,2] = 117/4, mop[2,2,1,5,1] = -851/8, mop[2,2,2,1,4] = -1105/8, mop[2,2,2,2,3] = 169, mop[2,2,2,3,2] = -111, mop[2,2,2,4,1] = 1305/8, mop[2,2,3,1,3] = 791/8, mop[2,2,3,2,2] = -327/8, mop[2,2,3,3,1] = -83, mop[2,2,4,1,2] = -389/4, mop[2,2,4,2,1] = 581/4, mop[2,2,5,1,1] = 313/4, mop[2,3,1,1,4] = -665/8, mop[2,3,1,2,3] = 225/4, mop[2,3,1,3,2] = -103/4, mop[2,3,1,4,1] = 645/8, mop[2,3,2,1,3] = 351/8, mop[2,3,2,2,2] = -107/8, mop[2,3,2,3,1] = -123/4, mop[2,3,3,1,2] = 117/4, mop[2,3,3,2,1] = -155/2, mop[2,3,4,1,1] = -149/12, mop[2,4,1,1,3] = 571/8, mop[2,4,1,2,2] = -217/8, mop[2,4,1,3,1] = -455/8, mop[2,4,2,1,2] = -547/8, mop[2,4,2,2,1] = 821/8, mop[2,4,3,1,1] = 439/24, mop[2,5,1,1,2] = -217/8, mop[2,5,1,2,1] = 161/8, mop[2,5,2,1,1] = 109/24, mop[2,6,1,1,1] = 73/8, mop[3,1,1,1,5] = 105/2, mop[3,1,1,2,4] = -35, mop[3,1,1,3,3] = 5/4, mop[3,1,1,4,2] = 10, mop[3,1,1,5,1] = -1255/24, mop[3,1,2,1,4] = -265/6, mop[3,1,2,2,3] = 877/24, mop[3,1,2,3,2] = -497/24, mop[3,1,2,4,1] = 1055/24, mop[3,1,3,1,3] = 145/6, mop[3,1,3,2,2] = -25/3, mop[3,1,3,3,1] = -215/12, mop[3,1,4,1,2] = -215/6, mop[3,1,4,2,1] = 731/12, mop[3,1,5,1,1] = 21/2, mop[3,2,1,1,4] = -35, mop[3,2,1,2,3] = 71/4, mop[3,2,1,3,2] = -13/2, mop[3,2,1,4,1] = 725/24, mop[3,2,2,1,3] = 15, mop[3,2,2,2,2] = -15/4, mop[3,2,2,3,1] = -221/24, mop[3,2,3,1,2] = 10, mop[3,2,3,2,1] = -617/24, mop[3,2,4,1,1] = -25/6, mop[3,3,1,1,3] = -25/2, mop[3,3,1,2,2] = 10, mop[3,3,1,3,1] = 203/12, mop[3,3,2,1,2] = 289/8, mop[3,3,2,2,1] = -377/6, mop[3,3,3,1,1] = -265/24, mop[3,4,1,1,2] = 10, mop[3,4,1,2,1]

] = -127/12, mop[3,4,2,1,1] = -7/3, mop[3,5,1,1,1] = -23/2, mop[4,1,1,1,4] = -35, mop[4,1,1,2,3] = 71/4, mop[4,1,1,3,2] = -13/2, mop[4,1,1,4,1] = 725/24, mop[4,1,2,1,3] = 15, mop[4,1,2,2,2] = -15/4, mop[4,1,2,3,1] = -221/24, mop[4,1,3,1,2] = 10, mop[4,1,3,2,1] = -617/24, mop[4,1,4,1,1] = -25/6, mop[4,2,1,1,3] = 145/6, mop[4,2,1,2,2] = -25/3, mop[4,2,1,3,1] = -\ 215/12, mop[4,2,2,1,2] = -497/24, mop[4,2,2,2,1] = 92/3, mop[4,2,3,1,1] = 131/24, mop[4,3,1,1,2] = -25/3, mop[4,3,1,2,1] = 71/12, mop[4,3,2,1,1] = 4/3, mop[4,4,1,1,1] = 21/2, mop[5,1,1,1,3] = 15, mop[5,1,1,2,2] = -15/4, mop[5,1,1,3,1] = -221/24, mop[5,1,2,1,2] = -13/2, mop[5,1,2,2,1] = 175/24, mop[5,1,3,1,1] = 4/3, mop[5,2,1,1,2] = -15/4, mop[5,2,1,2,1] = 43/24, mop[5,2,2,1,1] = 5/12, mop[5,3,1,1,1] = -25/6, mop[6,1,1,1,2] = -15/4, mop[6,1,1,2,1] = 43/24, mop[6,1,2,1,1] = 5/12, mop[6,2,1,1,1] = 4/3, mop[7,1,1,1,1] = 5/12, mop[1,1,1,1,1,6] = 0, mop[1,1,1,1,2,5] = 0, mop[1,1,1,1,3,4] = 0, mop[1,1,1,1,4,3] = 0, mop[1,1,1,1,5,2] = 0, mop[1,1,1,1,6,1] = 0, mop[1,1,1,2,1,5] = 0, mop[1,1,1,2,2,4] = 0, mop[1,1,1,2,3,3] = 0, mop[1,1,1,2,4,2] = 0, mop[1,1,1,2,5,1] = 0, mop[1,1,1,3,1,4] = 0, mop[1,1,1,3,2,3] = 0, mop[1,1,1,3,3,2] = 0, mop[1,1,1,3,4,1] = 0, mop[1,1,1,4,1,3] = 0, mop[1,1,1,4,2,2] = 0, mop[1,1,1,4,3,1] = 0, mop[1,1,1,5,1,2] = 0, mop[1,1,1,5,2,1] = 0, mop[1,1,1,6,1,1] = 0, mop[1,1,2,1,1,5] = 0, mop[1,1,2,1,2,4] = 0, mop[1,1,2,1,3,3] = 0, mop[1,1,2,1,4,2] = 0, mop[1,1,2,1,5,1] = 0, mop[1,1,2,2,1,4] = 0, mop[1,1,2,2,2,3] = 0, mop[1,1,2,2,3,2] = 0, mop[1,1,2,2,4,1] = 0, mop[1,1,2,3,1,3] = 0, mop[1,1,2,3,2,2] = 0, mop[1,1,2,3,3,1] = 0, mop[1,1,2,4,1,2] = 0, mop[1,1,2,4,2,1] = 0, mop[1,1,2,5,1,1] = 0, mop[1,1,3,1,1,4] = 0, mop[1,1,3,1,2,3] = 0, mop[1,1,3,1,3,2] = 0, mop[1,1,3,1,4,1] = 0, mop[1,1,3,2,1,3] = 0, mop[1,1,3,2,2,2] = 0, mop[1,1,3,2,3,1] = 0, mop[1,1,3,3,1,2] = 0, mop[1,1,3,3,2,1] = 0, mop[1,1,3,4,1,1] = 0, mop[1,1,4,1,1,3] = 0, mop[1,1,4,1,2,2] = 0, mop[1,1,4,1,3,1] = 0, mop[1,1,4,2,1,2] = 0, mop[1,1,4,2,2,1] = 0, mop[1,1,4,3,1,1] = 0, mop[1,1,5,1,1,2] = 0, mop[1,1,5,1,2,1] = 0, mop[1,1,5,2,1,1] = 0, mop[1,1,6,1,1,1] = 0, mop[1,2,1,1,1,5] = 0, mop[1,2,1,1,2,4] = 0, mop[1,2,1,1,3,3] = 0, mop[1,2,1,1,4,2] = 0, mop[1,2,1,1,5,1] = 0, mop[1,2,1,2,1,4] = 0, mop[1,2,1,2,2,3] = 0, mop[1,2,1,2,3,2] = 0, mop[1,2,1,2,4,1] = 0, mop[1,2,1,3,1,3] = 0, mop[1,2,1,3,2,2] = 0, mop[1,2,1,3,3,1] = 0, mop[1,2,1,4,1,2] = 0, mop[1,2,1,4,2,1] = 0, mop[1,2,1,5,1,1] = 0, mop[1,2,2,1,1,4] = 0, mop[1,2,2,1,2,3] = 0, mop[1,2,2,1,3,2] = 0, mop[1,2,2,1,4,1] = 0, mop[1,2,2,2,1,3] = 0, mop[1,2,2,2,2,2] = 0, mop[1,2,2,2,3,1] = 0, mop[1,2,2,3,1,2] = 0, mop[1,2,2,3,2,1] = 0, mop[1,2,2,4,1,1] = 0, mop[1,2,3,1,1,3] = 0, mop[1,2,3,1,2,2] = 0, mop[1,2,3,1,3,1] = 0, mop[1,2,3,2,1,2] = 0, mop[1,2,3,2,2,1] = 0, mop[1,2,3,3,1,1] = 0, mop[1,2,4,1,1,2] = 0, mop[1,2,4,1,2,1] = 0, mop[1,2,4,2,1,1] = 0, mop[1,2,5,1,1,1] = 0, mop[1,3,1,1,1,4] = 0, mop[1,3,1,1,2,3] = 0, mop[1,3,1,1,3,2] = 0, mop[1,3,1,1,4,1] = 0, mop[1,3,1,2,1,3] = 0, mop[1,3,1,2,2,2] = 0, mop[1,3,1,2,3,1] = 0, mop[1,3,1,3,1,2] = 0, mop[1,3,1,3,2,1] = 0, mop[1,3,1,4,1,1] = 0, mop[1,3,2,1,1,3] = 0, mop[1,3,2,1,2,2] = 0, mop[1,3,2,1,3,1] = 0, mop[1,3,2,2,1,2] = 0, mop[1,3,2,2,2,1] = 0, mop[1,3,2,3,1,1] = 0, mop[1,3,3,1,1,2] = 0, mop[1,3,3,1,2,1] = 0, mop[1,3,3,2,1,1] = 0, mop[1,3,4,1,1,1] = 0, mop[1,4,1,1,1,3] = 0, mop[1,4,1,1,2,2] = 0, mop[1,4,1,1,3,1] = 0, mop[1,4,1,2,1,2] = 0, mop[1,4,1,2,2,1] = 0, mop[1,4,1,3,1,1] = 0, mop[1,4,2,1,1,2] = 0, mop[1,4,2,1,2,1] = 0, mop[1,4,2,2,1,1] = 0, mop[1,4,3,1,1,1] = 0, mop[1,5,1,1,1,2] = 0, mop[1,5,1,1,2,1] = 0, mop[1,5,1,2,1,1] = 0, mop[1,5,2,1,1,1] = 0, mop[1,6,1,1,1,1] = 0, mop[2,1,1,1,1,5] = -105/2, mop[2,1,1,1,2,4] = 35, mop[2,1,1,1,3,3] = -5/4, mop[2,1,1,1,4,2] = -10, mop[2,1,1,1,5,1] = 1255/24, mop[2,1,1,2,1,4] = 265/6, mop[2,1,1,2,2,3] = -877/24, mop[2,1,1,2,3,2] = 497/24, mop[2,1,1,2,4,1] = -1055/24, mop[2,1,1,3,1,3] = -145/6, mop[2,1,1,3,2,2] = 25/3, mop[2,1,1,3,3,1] = 215/12, mop[2,1,1,4,1,2] = 215/6, mop[2,1,1,4,2,1] = -731/12, mop[2,1,1,5,1,1] = -21/2, mop[2,1,2,1,1,4] = 35, mop[2,1,2,1,2,3] = -71/4, mop[2,1,2,1,3,2] = 13/2, mop[2,1,2,1,4,1] = -725/24, mop[2,1,2,2,1,3] = -15, mop[2,1,2,2,2,2] = 15/4, mop[2,1,2,2,3,1] = 221/24, mop[2,1,2,3,1,2] = -10, mop[2,1,2,3,2,1] = 617/24, mop[2,1,2,4,1,1] = 25/6, mop[2,1,3,1,1,3] = 25/2, mop[2,1,3,1,2,2] = -10, mop[2,1,3,1,3,1] = -203/12, mop[2,1,3,2,1,2] = -289/8, mop[2,1,3,2,2,1] = 377/6, mop[2,1,3,3,1,1] = 265/24, mop[2,1,4,1,1,2] = -10, mop[2,1,4,1,2,1] = 127/12, mop[2,1,4,2,1,1] = 7/3, mop[2,1,5,1,1,1] = 23/2, mop[2,2,1,1,1,4] = 665/8, mop[2,2,1,1,2,3] = -225/4, mop[2,2,1,1,3,2] = 103/4, mop[2,2,1,1,4,1] = -645/8, mop[2,2,1,2,1,3] = -351/8, mop[2,2,1,2,2,2] = 107/8, mop[2,2,1,2,3,1] = 123/4, mop[2,2,1,3,1,2] = -117/4, mop[2,2,1,3,2,1] = 155/2, mop[2,2,1,4,1,1] = 149/12, mop[2,2,2,1,1,3] = -791/8, mop[2,2,2,1,2,2] = 327/8, mop[2,2,2,1,3,1] = 83, mop[2,2,2,2,1,2] = 111, mop[2,2,2,2,2,1] = -691/4, mop[2,2,2,3,1,1] = -92/3, mop[2,2,3,1,1,2] = 327/8, mop[2,2,3,1,2,1] = -65/2, mop[2,2,3,2,1,1] = -175/24, mop[2,2,4,1,1,1] = -313/12, mop[2,3,1,1,1,3] = -351/8, mop[2,3,1,1,2,2] = 107/8, mop[2,3,1,1,3,1] = 123/4, mop[2,3,1,2,1,2] = 103/4, mop[2,3,1,2,2,1] = -65/2, mop[2,3,1,3,1,1] = -71/12, mop[2,3,2,1,1,2] = 107/8, mop[2,3,2,1,2,1] = -31/4, mop[2,3,2,2,1,1] = -43/24, mop[2,3,3,1,1,1] = 149/12, mop[2,4,1,1,1,2] = 217/8, mop[2,4,1,1,2,1] = -161/8, mop[2,4,1,2,1,1] = -109/24, mop[2,4,2,1,1,1] = -439/24, mop[2,5,1,1,1,1] = -109/24, mop[3,1,1,1,1,4] = 35, mop[3,1,1,1,2,3] = -71/4, mop[3,1,1,1,3,2] = 13/2, mop[3,1,1,1,4,1] = -725/24, mop[3,1,1,2,1,3] = -15, mop[3,1,1,2,2,2] = 15/4, mop[3,1,1,2,3,1] = 221/24, mop[3,1,1,3,1,2] = -10, mop[3,1,1,3,2,1] = 617/24, mop[3,1,1,4,1,1] = 25/6, mop[3,1,2,1,1,3] = -145/6, mop[3,1,2,1,2,2] = 25/3, mop[3,1,2,1,3,1] = 215/12, mop[3,1,2,2,1,2] = 497/24, mop[3,1,2,2,2,1] = -92/3, mop[3,1,2,3,1,1] = -131/24, mop[3,1,3,1,1,2] = 25/3, mop[3,1,3,1,2,1] = -71/12, mop[3,1,3,2,1,1] = -4/3, mop[3,1,4,1,1,1] = -21/2, mop[3,2,1,1,1,3] = -15, mop[3,2,1,1,2,2] = 15/4, mop[3,2,1,1,3,1] = 221/24, mop[3,2,1,2,1,2] = 13/2, mop[3,2,1,2,2,1] = -175/24, mop[3,2,1,3,1,1] = -4/3, mop[3,2,2,1,1,2] = 15/4, mop[3,2,2,1,2,1] = -43/24, mop[3,2,2,2,1,1] = -5/12, mop[3,2,3,1,1,1] = 25/6, mop[3,3,1,1,1,2] = -10, mop[3,3,1,1,2,1] = 127/12, mop[3,3,1,2,1,1] = 7/3, mop[3,3,2,1,1,1] = 265/24, mop[3,4,1,1,1,1] = 7/3, mop[4,1,1,1,1,3] = -15, mop[4,1,1,1,2,2] = 15/4, mop[4,1,1,1,3,1] = 221/24, mop[4,1,1,2,1,2] = 13/2, mop[4,1,1,2,2,1] = -175/24, mop[4,1,1,3,1,1] = -4/3, mop[4,1,2,1,1,2] = 15/4, mop[4,1,2,1,2,1] = -43/24, mop[4,1,2,2,1,1] = -5/12, mop[4,1,3,1,1,1] = 25/6, mop[4,2,1,1,1,2] = 25/3, mop[4,2,1,1,2,1] = -71/12, mop[4,2,1,2,1,1] = -4/3, mop[4,2,2,1,1,1] = -131/24, mop[4,3,1,1,1,1] = -4/3, mop[5,1,1,1,1,2] = 15/4, mop[5,1,1,1,2,1] = -43/24, mop[5,1,1,2,1,1] = -4/3, mop[5,2,1,1,1,1] = -5/12, mop[6,1,1,1,1,1] = -5/12, mop[1,1,1,1,1,1,5] = 0, mop[1,1,1,1,1,2,4] = 0, mop[1,1,1,1,1,3,3] = 0, mop[1,1,1,1,1,4,2] = 0, mop[1,1,1,1,1,5,1] = 0, mop[1,1,1,1,2,1,4] = 0, mop[1,1,1,1,2,2,3] = 0, mop[1,1,1,1,2,3,2] = 0, mop[1,1,1,1,2,4,1] = 0, mop[1,1,1,1,3,1,3] = 0, mop[1,1,1,1,3,2,2] = 0, mop[1,1,1,1,3,3,1] = 0, mop[1,1,1,1,4,1,2] = 0, mop[1,1,1,1,4,2,1] = 0, mop[1,1,1,1,5,1,1] = 0, mop[1,1,1,2,1,1,4] = 0, mop[1,1,1,2,1,2,3] = 0, mop[1,1,1,2,1,3,2] = 0, mop[1,1,1,2,1,4,1] = 0, mop[1,1,1,2,2,1,3] = 0, mop[1,1,1,2,2,2,2] = 0, mop[1,1,1,2,2,3,1] = 0, mop[1,1,1,2,3,1,2] = 0, mop[1,1,1,2,3,2,1] = 0, mop[1,1,1,2,4,1,1] = 0, mop[1,1,1,3,1,1,3] = 0, mop[1,1,1,3,1,2,2] = 0, mop[1,1,1,3,1,3,1] = 0, mop[1,1,1,3,2,1,2] = 0, mop[1,1,1,3,2,2,1] = 0, mop[1,1,1,3,3,1,1] = 0, mop[1,1,1,4,1,1,2] = 0, mop[1,1,1,4,1,2,1] = 0, mop[1,1,1,4,2,1,1] = 0, mop[1,1,1,5,1,1,1] = 0, mop[1,1,2,1,1,1,4] = 0, mop[1,1,2,1,1,2,3] = 0, mop[1,1,2,1,1,3,2] = 0, mop[1,1,2,1,1,4,1] = 0, mop[1,1,2,1,2,1,3] = 0, mop[1,1,2,1,2,2,2] = 0, mop[1,1,2,1,2,3,1] = 0, mop[1,1,2,1,3,1,2] = 0, mop[1,1,2,1,3,2,1] = 0, mop[1,1,2,1,4,1,1] = 0, mop[1,1,2,2,1,1,3] = 0, mop[1,1,2,2,1,2,2] = 0, mop[1,1,2,2,1,3,1] = 0, mop[1,1,2,2,2,1,2] = 0, mop[1,1,2,2,2,2,1] = 0, mop[1,1,2,2,3,1,1] = 0, mop[1,1,2,3,1,1,2] = 0, mop[1,1,2,3,1,2,1] = 0, mop[1,1,2,3,2,1,1] = 0, mop[1,1,2,4,1,1,1] = 0, mop[1,1,3,1,1,1,3] = 0, mop[1,1,3,1,1,2,2] = 0, mop[1,1,3,1,1,3,1] = 0, mop[1,1,3,1,2,1,2] = 0, mop[1,1,3,1,2,2,1] = 0, mop[1,1,3,1,3,1,1] = 0, mop[1,1,3,2,1,1,2] = 0, mop[1,1,3,2,1,2,1] = 0, mop[1,1,3,2,2,1,1] = 0, mop[1,1,3,3,1,1,1] = 0, mop[1,1,4,1,1,1,2] = 0, mop[1,1,4,1,1,2,1] = 0, mop[1,1,4,1,2,1,1] = 0, mop[1,1,4,2,1,1,1] = 0, mop[1,1,5,1,1,1,1] = 0, mop[1,2,1,1,1,1,4] = 0, mop[1,2,1,1,1,2,3] = 0, mop[1,2,1,1,1,3,2] = 0, mop[1,2,1,1,1,4,1] = 0, mop[1,2,1,1,2,1,3] = 0, mop[1,2,1,1,2,2,2] = 0, mop[1,2,1,1,2,3,1] = 0, mop[1,2,1,1,3,1,2] = 0, mop[1,2,1,1,3,2,1] = 0, mop[1,2,1,1,4,1,1] = 0, mop[1,2,1,2,1,1,3] = 0, mop[1,2,1,2,1,2,2] = 0, mop[1,2,1,2,1,3,1] = 0, mop[1,2,1,2,2,1,2] = 0, mop[1,2,1,2,2,2,1] = 0, mop[1,2,1,2,3,1,1] = 0, mop[1,2,1,3,1,1,2] = 0, mop[1,2,1,3,1,2,1] = 0, mop[1,2,1,3,2,1,1] = 0, mop[1,2,1,4,1,1,1] = 0, mop[1,2,2,1,1,1,3] = 0, mop[1,2,2,1,1,2,2] = 0, mop[1,2,2,1,1,3,1] = 0, mop[1,2,2,1,2,1,2] = 0, mop[1,2,2,1,2,2,1] = 0, mop[1,2,2,1,3,1,1] = 0, mop[1,2,2,2,1,1,2] = 0, mop[1,2,2,2,1,2,1] = 0, mop[1,2,2,2,2,1,1] = 0, mop[1,2,2,3,1,1,1] = 0, mop[1,2,3,1,1,1,2] = 0, mop[1,2,3,1,1,2,1] = 0, mop[1,2,3,1,2,1,1] = 0, mop[1,2,3,2,1,1,1] = 0, mop[1,2,4,1,1,1,1] = 0, mop[1,3,1,1,1,1,3] = 0, mop[1,3,1,1,1,2,2] = 0, mop[1,3,1,1,1,3,1] = 0, mop[1,3,1,1,2,1,2] = 0,

mop[1,3,1,1,2,2,1] = 0, mop[1,3,1,1,3,1,1] = 0, mop[1,3,1,2,1,1,2] = 0, mop[1,3,1,2,1,2,1] = 0, mop[1,3,1,2,2,1,1] = 0, mop[1,3,1,3,1,1,1] = 0, mop[1,3,2,1,1,1,2] = 0, mop[1,3,2,1,1,2,1] = 0, mop[1,3,2,1,2,1,1] = 0, mop[1,3,2,2,1,1,1] = 0, mop[1,3,3,1,1,1,1] = 0, mop[1,4,1,1,1,1,2] = 0, mop[1,4,1,1,1,2,1] = 0, mop[1,4,1,1,2,1,1] = 0, mop[1,4,1,2,1,1,1] = 0, mop[1,4,2,1,1,1,1] = 0, mop[1,5,1,1,1,1,1] = 0, mop[2,1,1,1,1,1,4] = -35, mop[2,1,1,1,1,2,3] = 71/4, mop[2,1,1,1,1,3,2] = -13/2, mop[2,1,1,1,1,4,1] = 725/24, mop[2,1,1,1,2,1,3] = 15, mop[2,1,1,1,2,2,2] = -15/4, mop[2,1,1,1,2,3,1] = -221/24, mop[2,1,1,1,3,1,2] = 10, mop[2,1,1,1,3,2,1] = -617/24, mop[2,1,1,1,4,1,1] = -25/6, mop[2,1,1,2,1,1,3] = 145/6, mop[2,1,1,2,1,2,2] = -25/3, mop[2,1,1,2,1,3,1] = -215/12, mop[2,1,1,2,2,1,2] = -497/24, mop[2,1,1,2,2,2,1] = 92/3, mop[2,1,1,2,3,1,1] = 131/24, mop[2,1,1,3,1,1,2] = -25/3, mop[2,1,1,3,1,2,1] = 71/12, mop[2,1,1,3,2,1,1] = 4/3, mop[2,1,1,4,1,1,1] = 21/2, mop[2,1,2,1,1,1,3] = 15, mop[2,1,2,1,1,2,2] = -15/4, mop[2,1,2,1,1,3,1] = -221/24, mop[2,1,2,1,2,1,2] = -13/2, mop[2,1,2,1,2,2,1] = 175/24, mop[2,1,2,1,3,1,1] = 4/3, mop[2,1,2,2,1,1,2] = -15/4, mop[2,1,2,2,1,2,1] = 43/24, mop[2,1,2,2,2,1,1] = 5/12, mop[2,1,2,3,1,1,1] = -25/6, mop[2,1,3,1,1,1,2] = 10, mop[2,1,3,1,1,2,1] = -127/12, mop[2,1,3,1,2,1,1] = -7/3, mop[2,1,3,2,1,1,1] = -265/24, mop[2,1,4,1,1,1,1] = -7/3, mop[2,2,1,1,1,1,3] = 351/8, mop[2,2,1,1,1,2,2] = -107/8, mop[2,2,1,1,1,3,1] = -123/4, mop[2,2,1,1,2,1,2] = 65/2, mop[2,2,1,1,3,1,1] = 71/12, mop[2,2,1,2,1,1,2] = -107/8, mop[2,2,1,2,1,2,1] = 31/4, mop[2,2,1,2,2,1,1] = 43/24, mop[2,2,1,3,1,1,1] = -149/12, mop[2,2,2,1,1,1,2] = -327/8, mop[2,2,2,1,1,2,1] = 65/2, mop[2,2,2,1,2,1,1] = 175/24, mop[2,2,2,2,1,1,1] = 92/3, mop[2,2,3,1,1,1,1] = 175/24, mop[2,3,1,1,1,1,2] = -107/8, mop[2,3,1,1,1,2,1] = 31/4, mop[2,3,1,1,2,1,1] = 43/24, mop[2,3,1,2,1,1,1] = 71/12, mop[2,3,2,1,1,1,1] = 43/24, mop[2,4,1,1,1,1,1] = 109/24, mop[3,1,1,1,1,1,3] = 15, mop[3,1,1,1,1,2,2] = -15/4, mop[3,1,1,1,1,3,1] = -221/24, mop[3,1,1,1,2,1,2] = -13/2, mop[3,1,1,1,2,2,1] = 175/24, mop[3,1,1,1,3,1,1] = 4/3, mop[3,1,1,2,1,1,2] = -15/4, mop[3,1,1,2,1,2,1] = 43/24, mop[3,1,1,2,2,1,1] = 5/12, mop[3,1,1,3,1,1,1] = -25/6, mop[3,1,2,1,1,1,2] = -25/3, mop[3,1,2,1,1,2,1] = 71/12, mop[3,1,2,1,2,1,1] = 4/3, mop[3,1,2,2,1,1,1] = 131/24, mop[3,1,3,1,1,1,1] = 4/3, mop[3,2,1,1,1,1,2] = -15/4, mop[3,2,1,1,1,2,1] = 43/24, mop[3,2,1,1,2,1,1] = 5/12, mop[3,2,1,2,1,1,1] = 4/3, mop[3,2,2,1,1,1,1] = 5/12, mop[3,3,1,1,1,1,1] = -7/3, mop[4,1,1,1,1,1,2] = -15/4, mop[4,1,1,1,1,2,1] = 43/24, mop[4,1,1,1,2,1,1] = 5/12, mop[4,1,1,2,1,1,1] = 4/3, mop[4,1,2,1,1,1,1] = 5/12, mop[4,2,1,1,1,1,1] = 4/3, mop[5,1,1,1,1,1,1] = 5/12, mop[1,1,1,1,1,1,1,4] = 0, mop[1,1,1,1,1,1,2,3] = 0, mop[1,1,1,1,1,1,3,2] = 0, mop[1,1,1,1,1,1,4,1] = 0, mop[1,1,1,1,1,2,1,3] = 0, mop[1,1,1,1,1,2,2,2] = 0, mop[1,1,1,1,1,2,3,1] = 0, mop[1,1,1,1,1,3,1,2] = 0, mop[1,1,1,1,1,3,2,1] = 0, mop[1,1,1,1,1,4,1,1] = 0, mop[1,1,1,1,2,1,1,3] = 0, mop[1,1,1,1,2,1,2,2] = 0, mop[1,1,1,1,2,1,3,1] = 0, mop[1,1,1,1,2,2,1,2] = 0, mop[1,1,1,1,2,2,2,1] = 0, mop[1,1,1,1,2,3,1,1] = 0, mop[1,1,1,1,3,1,1,2] = 0, mop[1,1,1,1,3,1,2,1] = 0, mop[1,1,1,1,3,2,1,1] = 0, mop[1,1,1,1,4,1,1,1] = 0, mop[1,1,1,2,1,1,1,3] = 0, mop[1,1,1,2,1,1,2,2] = 0, mop[1,1,1,2,1,1,3,1] = 0, mop[1,1,1,2,1,2,1,2] = 0, mop[1,1,1,2,1,2,2,1] = 0, mop[1,1,1,2,1,3,1,1] = 0, mop[1,1,1,2,2,1,1,2] = 0, mop[1,1,1,2,2,1,2,1] = 0, mop[1,1,1,2,2,2,1,1] = 0, mop[1,1,1,2,3,1,1,1] = 0, mop[1,1,1,3,1,1,1,2] = 0, mop[1,1,1,3,1,1,2,1] = 0, mop[1,1,1,3,1,2,1,1] = 0, mop[1,1,1,3,2,1,1,1] = 0, mop[1,1,1,4,1,1,1,1] = 0, mop[1,1,2,1,1,1,1,3] = 0, mop[1,1,2,1,1,1,2,2] = 0, mop[1,1,2,1,1,1,3,1] = 0, mop[1,1,2,1,1,2,1,2] = 0, mop[1,1,2,1,1,2,2,1] = 0, mop[1,1,2,1,1,3,1,1] = 0, mop[1,1,2,1,2,1,1,2] = 0, mop[1,1,2,1,2,1,2,1] = 0, mop[1,1,2,1,2,2,1,1] = 0, mop[1,1,2,1,3,1,1,1] = 0, mop[1,1,2,2,1,1,1,2] = 0, mop[1,1,2,2,1,1,2,1] = 0, mop[1,1,2,2,1,2,1,1] = 0, mop[1,1,2,2,2,1,1,1] = 0, mop[1,1,2,3,1,1,1,1] = 0, mop[1,1,3,1,1,1,1,2] = 0, mop[1,1,3,1,1,1,2,1] = 0, mop[1,1,3,1,1,2,1,1] = 0, mop[1,1,3,1,2,1,1,1] = 0, mop[1,1,3,2,1,1,1,1] = 0, mop[1,1,4,1,1,1,1,1] = 0, mop[1,2,1,1,1,1,1,3] = 0, mop[1,2,1,1,1,1,2,2] = 0, mop[1,2,1,1,1,1,3,1] = 0, mop[1,2,1,1,1,2,1,2] = 0, mop[1,2,1,1,1,2,2,1] = 0, mop[1,2,1,1,1,3,1,1] = 0, mop[1,2,1,1,2,1,1,2] = 0, mop[1,2,1,1,2,1,2,1] = 0, mop[1,2,1,1,2,2,1,1] = 0, mop[1,2,1,1,3,1,1,1] = 0, mop[1,2,1,2,1,1,1,2] = 0, mop[1,2,1,2,1,1,2,1] = 0, mop[1,2,1,2,1,2,1,1] = 0, mop[1,2,1,2,2,1,1,1] = 0, mop[1,2,1,3,1,1,1,1] = 0, mop[1,2,2,1,1,1,1,2] = 0, mop[1,2,2,1,1,1,2,1] = 0, mop[1,2,2,1,1,2,1,1] = 0, mop[1,2,2,1,2,1,1,1] = 0, mop[1,2,2,2,1,1,1,1] = 0, mop[1,2,3,1,1,1,1,1] = 0, mop[1,3,1,1,1,1,1,2] = 0, mop[1,3,1,1,1,1,2,1] = 0, mop[1,3,1,1,1,2,1,1] = 0, mop[1,3,1,1,2,1,1,1] = 0, mop[1,3,1,2,1,1,1,1] = 0, mop[1,3,2,1,1,1,1,1] = 0, mop[1,4,1,1,1,1,1,1] = 0, mop[2,1,1,1,1,1,1,3] = -15, mop[2,1,1,1,1,1,2,2] = 15/4, mop[2,1,1,1,1,1,3,1] = 221/24, mop[2,1,1,1,1,2,1,2] = 13/2, mop[2,1,1,1,1,2,2,1] = -175/24, mop[2,1,1,1,1,3,1,1] = -4/3, mop[2,1,1,1,2,1,1,2] = 15/4, mop[2,1,1,1,2,1,2,1] = -43/24, mop[2,1,1,1,2,2,1,1] = -5/12, mop[2,1,1,1,3,1,1,1] = 25/6, mop[2,1,1,2,1,1,1,2] = 25/3, mop[2,1,1,2,1,1,2,1] = -71/12, mop[2,1,1,2,1,2,1,1] = -4/3, mop[2,1,1,2,2,1,1,1] = -131/24, mop[2,1,1,3,1,1,1,1] = -4/3, mop[2,1,2,1,1,1,1,2] = 15/4, mop[2,1,2,1,1,1,2,1] = -43/24, mop[2,1,2,1,1,2,1,1] = -5/12, mop[2,1,2,1,2,1,1,1] = -4/3, mop[2,1,2,2,1,1,1,1] = -5/12, mop[2,1,3,1,1,1,1,1] = 7/3, mop[2,2,1,1,1,1,1,2] = 107/8, mop[2,2,1,1,1,1,2,1] = -31/4, mop[2,2,1,1,1,2,1,1] = -43/24, mop[2,2,1,1,2,1,1,1] = -71/12, mop[2,2,1,2,1,1,1,1] = -43/24, mop[2,2,2,1,1,1,1,1] = -175/24, mop[2,3,1,1,1,1,1,1] = -43/24, mop[3,1,1,1,1,1,1,2] = 15/4, mop[3,1,1,1,1,1,2,1] = -43/24, mop[3,1,1,1,1,2,1,1] = -5/12, mop[3,1,1,1,2,1,1,1] = -4/3, mop[3,1,1,2,1,1,1,1] = -5/12, mop[3,1,2,1,1,1,1,1] = -4/3, mop[3,2,1,1,1,1,1,1] = -5/12, mop[4,1,1,1,1,1,1,1] = -5/12, mop[1,1,1,1,1,1,1,1,3] = 0, mop[1,1,1,1,1,1,1,2,2] = 0, mop[1,1,1,1,1,1,1,3,1] = 0, mop[1,1,1,1,1,1,2,1,2] = 0, mop[1,1,1,1,1,1,2,2,1] = 0, mop[1,1,1,1,1,1,3,1,1] = 0, mop[1,1,1,1,1,2,1,1,2] = 0, mop[1,1,1,1,1,2,1,2,1] = 0, mop[1,1,1,1,1,2,2,1,1] = 0, mop[1,1,1,1,1,3,1,1,1] = 0, mop[1,1,1,1,2,1,1,1,2] = 0, mop[1,1,1,1,2,1,1,2,1] = 0, mop[1,1,1,1,2,1,2,1,1] = 0, mop[1,1,1,1,2,2,1,1,1] = 0, mop[1,1,1,1,3,1,1,1,1] = 0, mop[1,1,1,2,1,1,1,1,2] = 0, mop[1,1,1,2,1,1,1,2,1] = 0, mop[1,1,1,2,1,1,2,1,1] = 0, mop[1,1,1,2,1,2,1,1,1] = 0, mop[1,1,1,2,2,1,1,1,1] = 0, mop[1,1,1,3,1,1,1,1,1] = 0, mop[1,1,2,1,1,1,1,1,2] = 0, mop[1,1,2,1,1,1,1,2,1] = 0, mop[1,1,2,1,1,1,2,1,1] = 0, mop[1,1,2,1,1,2,1,1,1] = 0, mop[1,1,2,1,2,1,1,1,1] = 0, mop[1,1,2,2,1,1,1,1,1] = 0, mop[1,1,3,1,1,1,1,1,1] = 0, mop[1,2,1,1,1,1,1,1,2] = 0, mop[1,2,1,1,1,1,1,2,1] = 0, mop[1,2,1,1,1,1,2,1,1] = 0, mop[1,2,1,1,1,2,1,1,1] = 0, mop[1,2,1,1,2,1,1,1,1] = 0, mop[1,2,1,2,1,1,1,1,1] = 0, mop[1,2,2,1,1,1,1,1,1] = 0, mop[1,3,1,1,1,1,1,1,1] = 0, mop[2,1,1,1,1,1,1,1,2] = -15/4, mop[2,1,1,1,1,1,1,2,1] = 43/24, mop[2,1,1,1,1,1,2,1,1] = 5/12, mop[2,1,1,1,1,2,1,1,1] = 4/3, mop[2,1,1,1,2,1,1,1,1] = 5/12, mop[2,1,1,2,1,1,1,1,1] = 4/3, mop[2,1,2,1,1,1,1,1,1] = 5/12, mop[2,2,1,1,1,1,1,1,1] = 43/24, mop[3,1,1,1,1,1,1,1,1] = 5/12, mop[1,1,1,1,1,1,1,1,1,2] = 0, mop[1,1,1,1,1,1,1,1,2,1] = 0, mop[1,1,1,1,1,1,1,2,1,1] = 0, mop[1,1,1,1,1,1,2,1,1,1] = 0, mop[1,1,1,1,1,2,1,1,1,1] = 0, mop[1,1,1,1,2,1,1,1,1,1] = 0, mop[1,1,1,2,1,1,1,1,1,1] = 0, mop[1,1,2,1,1,1,1,1,1,1] = 0, mop[1,2,1,1,1,1,1,1,1,1] = 0, mop[2,1,1,1,1,1,1,1,1,1] = -5/12, mop[1,1,1,1,1,1,1,1,1,1,1] = 0] : ##

semop12:=
[mop[12] = -691/2730, mop[1,11] = -7601/2730, mop[2,10] = 7601/546, mop[3,9] = -3118/91, mop[4,8] = 4871/91, mop[5,7] = -\
11203/260, mop[6,6] = 101/260, mop[7,5] = 47329/1092, mop[8,4] = -8225/156, mop[9,3] = 94231/2730, mop[10,2] = -35039/
2730, mop[11,1] = 1382/455, mop[1,1,10] = -7601/546, mop[1,2,9] = 4483/91, mop[1,3,8] = -10331/91, mop[1,4,7] = 51607/260
, mop[1,5,6] = -66713/260, mop[1,6,5] = 283235/1092, mop[1,7,4] = -213709/1092, mop[1,8,3] = 317531/2730, mop[1,9,2] = -\
18127/390, mop[1,10,1] = 7601/455, mop[2,1,9] = 7601/182, mop[2,2,8] = -7601/91, mop[2,3,7] = 27401/260, mop[2,4,6] = -\
4279/52, mop[2,5,5] = -451/1092, mop[2,6,4] = 74657/1092, mop[2,7,3] = -147092/1365, mop[2,8,2] = 38005/546, mop[2,9,1] =
-26309/546, mop[3,1,8] = -4871/91, mop[3,2,7] = 410/13, mop[3,3,6] = 2227/65, mop[3,4,5] = -7783/78, mop[3,5,4] = 58889/
546, mop[3,6,3] = -63059/1820, mop[3,7,2] = -16061/1820, mop[3,8,1] = 5259/91, mop[4,1,7] = 3051/65, mop[4,2,6] = -776/65
, mop[4,3,5] = -3859/546, mop[4,4,4] = -313/546, mop[4,5,3] = 519/52, mop[4,6,2] = -12629/1820, mop[4,7,1] = -20869/455,
mop[5,1,6] = -101/260, mop[5,2,5] = -20543/364, mop[5,3,4] = 28725/364, mop[5,4,3] = -496627/5460, mop[5,5,2] = 306743/
5460, mop[5,6,1] = -996/65, mop[6,1,5] = -14823/364, mop[6,2,4] = 17285/364, mop[6,3,3] = -703/5460, mop[6,4,2] = -103381
/5460, mop[6,5,1] = 23942/455, mop[7,1,4] = 8225/156, mop[7,2,3] = -50305/1092, mop[7,3,2] = 133141/5460, mop[7,4,1] = -\
5245/91, mop[8,1,3] = -179453/5460, mop[8,2,2] = 61069/5460, mop[8,3,1] = 11267/455, mop[9,1,2] = 35039/2730, mop[9,2,1]
= -9589/910, mop[10,1,1] = -6017/2730, mop[1,1,1,9] = -7601/182, mop[1,1,2,8] = 7601/91, mop[1,1,3,7] = -27401/260, mop[1

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= 4282/65, mop[2,3,4,1,2] = 61237/1820, mop[2,3,4,2,1] = -5549/195, mop[2,3,5,1,1] = -1657/260, mop[2,4,1,1,4] = 5819/364, mop[2,4,1,2,3] = -167233/5460, mop[2,4,1,3,2] = 20383/1092, mop[2,4,1,4,1] = -32429/1092, mop[2,4,2,1,3] = -113179/5460, mop[2,4,2,2,2] = 47861/5460, mop[2,4,2,3,1] = 101573/5460, mop[2,4,3,1,2] = -15653/1092, mop[2,4,3,2,1] = 43829/1092, mop[2,4,4,1,1] = 6883/1092, mop[2,5,1,1,3] = -399179/5460, mop[2,5,1,2,2] = 190861/5460, mop[2,5,1,3,1] = 373273/5460, mop[2,5,2,1,2] = 109043/1092, mop[2,5,2,2,1] = -174103/1092, mop[2,5,3,1,1] = -30869/1092, mop[2,6,1,1,2] = 190861/5460, mop[2,6,1,2,1] = -161807/5460, mop[2,6,2,1,1] = -36227/5460, mop[2,7,1,1,1] = -9929/546, mop[3,1,1,1,6] = -776/65, mop[3,1,1,2,5] = -15299/546, mop[3,1,1,3,4] = 22567/546, mop[3,1,1,4,3] = -270401/5460, mop[3,1,1,5,2] = 172609/5460, mop[3,1,1,6,1] = 1/13, mop[3,1,2,1,5] = -1954/91, mop[3,1,2,2,4] = 5139/182, mop[3,1,2,3,3] = -703/5460, mop[3,1,2,4,2] = -61339/5460, mop[3,1,2,5,1] = 84593/2730, mop[3,1,3,1,4] = -313/546, mop[3,1,3,2,3] = 5087/130, mop[3,1,3,3,2] = -32841/910, mop[3,1,3,4,1] = 3713/273, mop[3,1,4,1,3] = 331/26, mop[3,1,4,2,2] = -8817/910, mop[3,1,4,3,1] = -22112/1365, mop[3,1,5,1,2] = -12629/1820, mop[3,1,5,2,1] = 13561/2730, mop[3,1,6,1,1] = 2519/1820, mop[3,2,1,1,5] = -8961/91, mop[3,2,1,2,4] = 19153/182, mop[3,2,1,3,3] = -703/5460, mop[3,2,1,4,2] = -229507/5460, mop[3,2,1,5,1] = 106943/910, mop[3,2,2,1,4] = 34883/182, mop[3,2,2,2,3] = -706271/2730, mop[3,2,2,3,2] = 473191/2730, mop[3,2,2,4,1] = -3119/13, mop[3,2,3,1,3] = -405971/2730, mop[3,2,3,2,2] = 172891/2730, mop[3,2,3,3,1] = 4982/39, mop[3,2,4,1,2] = 141829/1092, mop[3,2,4,2,1] = -23923/130, mop[3,2,5,1,1] = -26213/780, mop[3,3,1,1,4] = 19153/182, mop[3,3,1,2,3] = -445147/5460, mop[3,3,1,3,2] = 214937/5460, mop[3,3,1,4,1] = -20071/182, mop[3,3,2,1,3] = -170021/2730, mop[3,3,2,2,2] = 27458/1365, mop[3,3,2,3,1] = 49835/1092, mop[3,3,3,1,2] = -229507/5460, mop[3,3,3,2,1] = 204331/1820, mop[3,3,4,1,1] = 97933/5460, mop[3,4,1,1,3] = -59057/910, mop[3,4,1,2,2] = 19497/910, mop[3,4,1,3,1] = 13138/273, mop[3,4,2,1,2] = 39517/910, mop[3,4,2,2,1] = -5206/91, mop[3,4,3,1,1] = -5665/546, mop[3,5,1,1,2] = 19497/910, mop[3,5,1,2,1] = -1202/91, mop[3,5,2,1,1] = -1661/260, mop[3,6,1,1,1] = 2563/364, mop[4,1,1,1,5] = -1954/91, mop[4,1,1,2,4] = 5139/182, mop[4,1,1,3,3] = -703/5460, mop[4,1,1,4,2] = -61339/5460, mop[4,1,1,5,1] = 84593/2730, mop[4,1,2,1,4] = 22567/546, mop[4,1,2,2,3] = -127693/2730, mop[4,1,2,3,2] = 78797/2730, mop[4,1,2,4,1] = -1921/39, mop[4,1,3,1,3] = -15929/546, mop[4,1,3,2,2] = 30749/2730, mop[4,1,3,3,1] = 4604/195, mop[4,1,4,1,2] = 172609/5460, mop[4,1,4,2,1] = -3829/78, mop[4,1,5,1,1] = -451/52, mop[4,2,1,1,4] = 5139/182, mop[4,2,1,2,3] = -108811/5460, mop[4,2,1,3,2] = 46769/5460, mop[4,2,1,4,1] = -16169/546, mop[4,2,2,1,3] = -8779/546, mop[4,2,2,2,2] = 6437/1365, mop[4,2,2,3,1] = 20329/1820, mop[4,2,3,1,2] = -61339/5460, mop[4,2,3,2,1] = 160541/5460, mop[4,2,4,1,1] = 25861/5460, mop[4,3,1,1,3] = 331/26, mop[4,3,1,2,2] = -8817/910, mop[4,3,1,3,1] = -22112/1365, mop[4,3,2,1,2] = -32841/910, mop[4,3,2,2,1] = 17272/273, mop[4,3,3,1,1] = 6061/546, mop[4,4,1,1,2] = -8817/910, mop[4,4,1,2,1] = 14288/1365, mop[4,4,2,1,1] = 6281/2730, mop[4,5,1,1,1] = 2519/1820, mop[5,1,1,1,4] = 17285/364, mop[5,1,1,2,3] = -38579/1092, mop[5,1,1,3,2] = 88811/5460, mop[5,1,1,4,1] = -4530/91, mop[5,1,2,1,3] = -150853/5460, mop[5,1,2,2,2] = 46769/5460, mop[5,1,2,3,1] = 54017/2730, mop[5,1,3,1,2] = -103381/5460, mop[5,1,3,2,1] = 45609/910, mop[5,1,4,1,1] = 43879/5460, mop[5,2,1,1,3] = -322453/5460, mop[5,2,1,2,2] = 132569/5460, mop[5,2,1,3,1] = 19361/390, mop[5,2,2,1,2] = 354791/5460, mop[5,2,2,2,1] = -2611/26, mop[5,2,3,1,1] = -2783/156, mop[5,3,1,1,2] = 132569/5460, mop[5,3,1,2,1] = -2473/130, mop[5,3,2,1,1] = -1111/260, mop[5,4,1,1,1] = -11627/780, mop[6,1,1,1,3] = -150853/5460, mop[6,1,1,2,2] = 46769/5460, mop[6,1,1,3,1] = 54017/2730, mop[6,1,2,1,2] = 88811/5460, mop[6,1,2,2,1] = -3691/182, mop[6,1,3,1,1] = -4037/1092, mop[6,2,1,1,2] = 46769/5460, mop[6,2,1,2,1] = -4441/910, mop[6,2,2,1,1] = -2057/1820, mop[6,3,1,1,1] = 43879/5460, mop[7,1,1,1,2] = 61069/5460, mop[7,1,1,2,1] = -3293/455, mop[7,1,2,1,1] = -9031/5460, mop[7,2,1,1,1] = -6611/1092, mop[8,1,1,1,1] = -9031/5460, mop[1,1,1,1,7] = -7601/65, mop[1,1,1,1,2,6] = 7601/65, mop[1,1,1,1,3,5] = -19228/273, mop[1,1,1,1,4,4] = 8503/546, mop[1,1,1,1,5,3] = 3641/52, mop[1,1,1,1,6,2] = -123871/1820, mop[1,1,1,1,7,1] = 230441/1820, mop[1,1,1,2,2,6] = 33407/260, mop[1,1,1,2,2,5] = -41701/364, mop[1,1,1,2,3,4] = 30789/364, mop[1,1,1,2,4,3] = -104005/1092, mop[1,1,1,2,5,2] = 70565/1092, mop[1,1,1,2,6,1] = -34509/260, mop[1,1,1,3,1,5] = -37411/364, mop[1,1,1,3,2,4] = 22209/364, mop[1,1,1,3,3,3] = -12947/5460, mop[1,1,1,3,4,2] = -89903/5460, mop[1,1,1,3,5,1] = 173319/1820, mop[1,1,1,4,1,4] = 123827/1092, mop[1,1,1,4,2,3] = -251801/1820, mop[1,1,1,4,3,2] = 169851/1820, mop[1,1,1,4,4,1] = -47153/364, mop[1,1,1,5,1,3] = -141691/1820, mop[1,1,1,5,2,2] = 59741/1820, mop[1,1,1,5,3,1] = 71663/1092, mop[1,1,1,6,1,2] = 82423/910, mop[1,1,1,6,2,1] = -51885/364, mop[1,1,1,7,1,1] = -4603/182, mop[1,1,2,1,1,6] = 7601/65, mop[1,1,2,1,2,5] = -23518/273, mop[1,1,2,1,3,4] = 25663/546, mop[1,1,2,1,4,3] = -97933/1820, mop[1,1,2,1,5,2] = 72897/1820, mop[1,1,2,1,6,1] = -6101/52, mop[1,1,2,2,1,5] = -7601/91, mop[1,1,2,2,2,4] = 7601/182, mop[1,1,2,2,3,3] = -12947/5460, mop[1,1,2,2,4,2] = -47861/5460, mop[1,1,2,2,5,1] = 401839/5460, mop[1,1,2,3,1,4] = 8503/546, mop[1,1,2,3,2,3] = 9911/260, mop[1,1,2,3,3,2] = -65813/1820, mop[1,1,2,3,4,1] = 9263/1092, mop[1,1,2,4,1,3] = 319/26, mop[1,1,2,4,2,2] = -9383/910, mop[1,1,2,4,3,1] = -16047/910, mop[1,1,2,5,1,2] = -123871/1820, mop[1,1,2,5,2,1] = 172262/1365, mop[1,1,2,6,1,1] = 39341/1820, mop[1,1,3,1,1,5] = -9383/364, mop[1,1,3,1,2,4] = -5819/364, mop[1,1,3,1,3,3] = -12947/5460, mop[1,1,3,1,4,2] = 15653/1092, mop[1,1,3,1,5,1] = 9497/1092, mop[1,1,3,2,1,4] = -71797/1092, mop[1,1,3,2,2,3] = 120703/910, mop[1,1,3,2,3,2] = -17435/182, mop[1,1,3,2,4,1] = 16277/156, mop[1,1,3,3,1,3] = 128293/1820, mop[1,1,3,3,2,2] = -61237/1820, mop[1,1,3,3,3,1] = -4282/65, mop[1,1,3,4,1,2] = -61237/1820, mop[1,1,3,4,2,1] = 5549/195, mop[1,1,3,5,1,1] = 1657/260, mop[1,1,4,1,1,4] = -5819/364, mop[1,1,4,1,2,3] = 167233/5460, mop[1,1,4,1,3,2] = -20383/1092, mop[1,1,4,1,4,1] = 32429/1092, mop[1,1,4,2,1,3] = 113179/5460, mop[1,1,4,2,2,2] = -47861/5460, mop[1,1,4,2,3,1] = -101573/5460, mop[1,1,4,3,1,2] = 15653/1092, mop[1,1,4,3,2,1] = -43829/1092, mop[1,1,4,4,1,1] = -6883/1092, mop[1,1,5,1,1,3] = 399179/5460, mop[1,1,5,1,2,2] = -190861/5460, mop[1,1,5,1,3,1] = -373273/5460, mop[1,1,5,2,1,2] = -109043/1092, mop[1,1,5,2,2,1] = 174103/1092, mop[1,1,5,3,1,1] = 30869/1092, mop[1,1,6,1,1,2] = -190861/5460, mop[1,1,6,1,2,1] = 161807/5460, mop[1,1,6,2,1,1] = 36227/5460, mop[1,1,7,1,1,1] = 9929/546, mop[1,2,1,1,1,6] = 14426/65, mop[1,2,1,1,2,5] = -36457/182, mop[1,2,1,1,3,4] = 24631/182, mop[1,2,1,1,4,3] = -857999/5460, mop[1,2,1,1,5,2] = 609991/5460, mop[1,2,1,1,6,1] = -6099/26, mop[1,2,1,2,1,5] = -17156/91, mop[1,2,1,2,2,4] = 20341/182, mop[1,2,1,2,3,3] = -26597/5460, mop[1,2,1,2,4,2] = -157061/5460, mop[1,2,1,2,5,1] = 81072/455, mop[1,2,1,3,1,4] = 16693/546, mop[1,2,1,3,2,3] = 7499/65, mop[1,2,1,3,3,2] = -49327/455, mop[1,2,1,3,4,1] = 5563/182, mop[1,2,1,4,1,3] = 969/26, mop[1,2,1,4,2,2] = -27583/910, mop[1,2,1,4,3,1] = -70253/1365, mop[1,2,1,5,1,2] = -260371/1820, mop[1,2,1,5,2,1] = 234203/910, mop[1,2,1,6,1,1] = 81201/1820, mop[1,2,2,1,1,5] = -55333/182, mop[1,2,2,1,2,4] = 20681/91, mop[1,2,2,1,3,3] = -26597/5460, mop[1,2,2,1,4,2] = -409313/5460, mop[1,2,2,1,5,1] = 140131/455, mop[1,2,2,2,1,4] = 32836/91, mop[1,2,2,2,2,3] = -1139209/2730, mop[1,2,2,2,3,2] = 738929/2730, mop[1,2,2,2,4,1] = -10727/26, mop[1,2,2,3,1,3] = -336872/1365, mop[1,2,2,3,2,2] = 136732/1365, mop[1,2,2,3,3,1] = 7966/39, mop[1,2,2,4,1,2] = 282959/1092, mop[1,2,2,4,2,1] = 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2,1] = 17114/91, mop[1,3,3,3,1,1] = 3009/91, mop[1,3,4,1,1,2] = -27583/910, mop[1,3,4,1,2,1] = 14499/455, mop[1,3,4,2,1,1] = 19199/2730, mop[1,3,5,1,1,1] = 81201/1820, mop[1,4,1,1,1,4] = 61703/364, mop[1,4,1,1,2,3] = -531101/5460, mop[1,4,1,1,3,2] = 221317/5460, mop[1,4,1,1,4,1] = -27613/182, mop[1,4,1,2,1,3] = -428999/5460, mop[1,4,1,2,2,2] = 23843/1092, mop[1,4,1,2,3,1] = 70316/1365, mop[1,4,1,3,1,2] = -283187/5460, mop[1,4,1,3,2,1] = 61689/455, mop[1,4,1,4,1,1] = 39731/1820, mop[1,4,2,1,1,3] = -857999/5460, mop[1,4,2,1,2,2] = 66743/1092, mop[1,4,2,1,3,1] = 49201/390, mop[1,4,2,2,1,2] = 886267/5460, mop[1,4,2,2,2,1] = -6489/26, mop[1,4,2,3,1,1] = -2305/52, mop[1,4,3,1,1,2] = 66743/1092, mop[1,4,3,1,2,1] = -6133/130, mop[1,4,3,2,1,1] = -8263/780, mop[1,4,4,1,1,1] = -13527/260, mop[1,5,1,1,1,3] = -428999/5460, mop[1,5,1,1,2,2] = 23843/1092, mop[1,5,1,1,3,1] = 70316/1365, mop[1,5,1,2,1,2] = 221317/5460, mop[1,5,1,2,2,1] = -4479/91, mop[1,5,1,3,1,1] = -3265/364, mop[1,5,2,1,1,2] = 23843/1092, mop[1,5,2,1,2,1] = -5378/455, mop[1,5,2,2,1,1] = -14941/5460, mop[1,5,3,1,1,1] = 39731/1820, mop[1,6,1,1,1,2] = 5449/156, mop[1,6,1,1,2,1] = -21481/910, mop[1,6,1,2,1,1] = -9747/1820, mop[1,6,2,1,1,1] = -7555/364, mop[1,7,1,1,1,1] = -9747/1820, mop[2,1,1,1,1,6] = 7601/65, mop[2,1,1,1,2,5] = -23518/273, mop[2,1,1,1,3,4] = 25663/546, mop[2,1,1,1,4,3] = -97933/1820, mop[2,1,1,1,5,2] = 72897/1820, mop[2,1,1,1,6,1] = -6101/52, mop[2,1,1,2,1,5] = -7601/91, mop[2,1,1,2,2,4] = 7601/182, mop[2,1,1,2,3,3] = -12947/5460, mop[2,1,1,2,4,2] = -47861/5460, mop[2,1,1,2,5,1] = 401839/5460, mop[2,1,1,3,1,4] = 8503/546, mop[2,1,1,3,2,3] = 9911/260, mop[2,1,1,3,3,2] = -65813/1820, mop[2,1,1,3,4,1] = 9263/1092, mop[2,1,1,4,1,3] = 319/26, mop[2,1,1,4,2,2] = -9383/910, mop[2,1,1,4,3,1] = -16047/910, mop[2,1,1,5,1,2] = -123871/1820, mop[2,1,1,5,2,1] = 172262/1365, mop[2,1,1,6,1,1] = 39341/1820, mop[2,1,2,1,1,5] = -37411/364, mop[2,1,2,1,2,4] = 22209/364, mop[2,1,2,1,3,3] = -12947/5460, mop[2,1,2,1,4,2] = -89903/5460, mop[2,1,2,1,5,1] = 173319/1820, mop[2,1,2,2,1,4] = 30789/364, mop[2,1,2,2,2,3] = -216469/2730, mop[2,1,2,2,3,2] = 132869/2730, mop[2,1,2,2,4,1] = -4489/52, mop[2,1,2,3,1,3] = -267773/5460, mop[2,1,2,3,2,2] = 100573/5460, mop[2,1,2,3,3,1] = 1492/39, mop[2,1,2,4,1,2] = 70565/1092, mop[2,1,2,4,2,1] = -6921/65, mop[2,1,2,5,1,1] = -14477/780, mop[2,1,3,1,1,4] = 22209/364, mop[2,1,3,1,2,3] = -\
169103/5460, mop[2,1,3,1,3,2] = 66253/5460, mop[2,1,3,1,4,1] = -18553/364, mop[2,1,3,2,1,3] = -139073/5460, mop[2,1,3,2,2,2] = 36223/5460, mop[2,1,3,2,3,1] = 17323/1092, mop[2,1,3,3,1,2] = -89903/5460, mop[2,1,3,3,2,1] = 77769/1820, mop[2,1,3,4,1,1] = 37657/5460, mop[2,1,4,1,1,3] = -141691/1820, mop[2,1,4,1,2,2] = 59741/1820, mop[2,1,4,1,3,1] = 71663/1092, mop[2,1,4,2,1,2] = 169851/1820, mop[2,1,4,2,2,1] = -53887/364, mop[2,1,4,3,1,1] = -28619/1092, mop[2,1,5,1,1,2] = 59741/1820, mop[2,1,5,1,2,1] = -9843/364, mop[2,1,5,2,1,1] = -2199/364, mop[2,1,6,1,1,1] = -4603/182, mop[2,2,1,1,1,5] = -7601/91, mop[2,2,1,1,2,4] = 7601/182, mop[2,2,1,1,3,3] = -12947/5460, mop[2,2,1,1,4,2] = -47861/5460, mop[2,2,1,1,5,1] = 401839/5460, mop[2,2,1,2,1,4] = 25663/546, mop[2,2,1,2,2,3] = -47883/1820, mop[2,2,1,2,3,2] = 22847/1820, mop[2,2,1,2,4,1] = -\
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27458/1365, mop[3,2,1,2,3,1] = -49835/1092, mop[3,2,1,3,1,2] = 229507/5460, mop[3,2,1,3,2,1] = -204331/1820, mop[3,2,1,4,1,1] = -97933/5460, mop[3,2,2,1,1,3] = 405971/2730, mop[3,2,2,1,2,2] = -172891/2730, mop[3,2,2,1,3,1] = -4982/39, mop[3,2,2,2,1,2] = -473191/2730, mop[3,2,2,2,2,1] = 3522/13, mop[3,2,2,3,1,1] = 3751/78, mop[3,2,3,1,1,2] = -172891/2730, mop[3,2,3,1,2,1] = 662/13, mop[3,2,3,2,1,1] = 297/26, mop[3,2,4,1,1,1] = 26213/780, mop[3,3,1,1,1,3] = 170021/2730, mop[3,3,1,1,2,2] = -27458/1365, mop[3,3,1,1,3,1] = -49835/1092, mop[3,3,1,2,1,2] = -214937/5460, mop[3,3,1,2,2,1] = 18393/364, mop[3,3,1,3,1,1] = 10043/1092, mop[3,3,2,1,1,2] = -27458/1365, mop[3,3,2,1,2,1] = 4379/364, mop[3,3,2,2,1,1] = 253/91, mop[3,3,3,1,1,1] = -97933/5460, mop[3,4,1,1,1,2] = -19497/910, mop[3,4,1,1,2,1] = 1202/91, mop[3,4,1,2,1,1] = 1661/546, mop[3,4,2,1,1,1] = 5665/546, mop[3,5,1,1,1,1] = 1661/546, mop[4,1,1,1,1,4] = -5139/182, mop[4,1,1,1,2,3] = 108811/5460, mop[4,1,1,1,3,2] = -46769/5460, mop[4,1,1,1,4,1] = 16169/546, mop[4,1,1,2,1,3] = 8779/546, mop[4,1,1,2,2,2] = -6437/1365, mop[4,1,1,2,3,1] = -20329/1820, mop[4,1,1,3,1,2] = 61339/5460, mop[4,1,1,3,2,1] = -160541/5460, mop[4,1,1,4,1,1] = -25861/5460, mop[4,1,2,1,1,3] = 15929/546, mop[4,1,2,1,2,2] = -30749/2730, mop[4,1,2,1,3,1] = -4604/195, mop[4,1,2,2,1,2] = -78797/2730, mop[4,1,2,2,2,1] = 1700/39, mop[4,1,2,3,1,1] = 605/78, mop[4,1,3,1,1,2] = -30749/2730, mop[4,1,3,1,2,1] = 1636/195, mop[4,1,3,2,1,1] = 737/390, mop[4,1,4,1,1,1] = 451/52, mop[4,2,1,1,1,3] = 8779/546, mop[4,2,1,1,2,2] = -6437/1365, mop[4,2,1,1,3,1] = -20329/1820, mop[4,2,1,2,1,2] = -46769/5460, mop[4,2,1,2,2,1] = 11135/1092, mop[4,2,1,3,1,1] = 2035/1092, mop[4,2,2,1,1,2] = -6437/1365, mop[4,2,2,1,2,1] = 13633/5460, mop[4,2,2,2,1,1] = 264/455, mop[4,2,3,1,1,1] = -25861/5460, mop[4,3,1,1,1,2] = 8817/910, mop[4,3,1,1,2,1] = -14288/1365, mop[4,3,1,2,1,1] = -6281/2730, mop[4,3,2,1,1,1] = -6061/546, mop[4,4,1,1,1,1] = -6281/2730, mop[5,1,1,1,1,3] = 150853/5460, mop[5,1,1,1,2,2] = -46769/5460, mop[5,1,1,1,3,1] = -54017/2730, mop[5,1,1,2,1,2] = -88811/5460, mop[5,1,1,2,2,1] = 3691/182, mop[5,1,1,3,1,1] = 4037/1092, mop[5,1,2,1,1,2] = -\
46769/5460, mop[5,1,2,1,2,1] = 4441/910, mop[5,1,2,2,1,1] = 2057/1820, mop[5,1,3,1,1,1] = -43879/5460, mop[5,2,1,1,1,2] = -132569/5460, mop[5,2,1,1,2,1] = 2473/130, mop[5,2,1,2,1,1] = 1111/260, mop[5,2,2,1,1,1] = 2783/156, mop[5,3,1,1,1,1] = 1111/260, mop[6,1,1,1,1,2] = -46769/5460, mop[6,1,1,1,2,1] = 4441/910, mop[6,1,1,2,1,1] = 2057/1820, mop[6,1,2,1,1,1] = 4037/1092, mop[6,2,1,1,1,1] = 2057/1820, mop[7,1,1,1,1,1] = 9031/5460, mop[1,1,1,1,1,6] = -7601/65, mop[1,1,1,1,2,5] = 23518/273, mop[1,1,1,1,3,4] = -25663/546, mop[1,1,1,1,4,3] = 97933/1820, mop[1,1,1,1,5,2] = -72897/1820, mop[1,1,1,1,6,1] = 6101/52, mop[1,1,1,1,2,1,5] = 7601/91, mop[1,1,1,1,2,2,4] = -7601/182, mop[1,1,1,1,2,3,3] = 12947/5460, mop[1,1,1,1,2,4,2] = 47861/5460, mop[1,1,1,1,2,5,1] = -401839/5460, mop[1,1,1,1,3,1,4] = -8503/546, mop[1,1,1,1,3,2,3] = -\
9911/260, mop[1,1,1,1,3,3,2] = 65813/1820, mop[1,1,1,1,3,4,1] = -9263/1092, mop[1,1,1,1,4,1,3] = -319/26, mop[1,1,1,1,4,2

,2] = 9383/910, mop[1,1,1,4,3,1] = 16047/910, mop[1,1,1,5,1,2] = 123871/1820, mop[1,1,1,5,2,1] = -172262/1365, mop[1,1,1,6,1,1] = -39341/1820, mop[1,1,1,2,1,1,5] = 37411/364, mop[1,1,1,2,1,2,4] = -22209/364, mop[1,1,1,2,1,3,3] = 12947/5460, mop[1,1,1,2,1,4,2] = 89903/5460, mop[1,1,1,2,1,5,1] = -173319/1820, mop[1,1,1,2,2,1,4] = -30789/364, mop[1,1,1,2,2,2,3] = 216469/2730, mop[1,1,1,2,2,3,2] = -132869/2730, mop[1,1,1,2,2,4,1] = 4489/52, mop[1,1,1,2,3,1,3] = 267773/5460, mop[1,1,1,2,3,2,2] = -100573/5460, mop[1,1,1,2,3,3,1] = -1492/39, mop[1,1,1,2,4,1,2] = -70565/1092, mop[1,1,1,2,4,2,1] = 6921/65, mop[1,1,1,2,5,1,1] = 14477/780, mop[1,1,1,3,1,1,4] = -22209/364, mop[1,1,1,3,1,2,3] = 169103/5460, mop[1,1,1,3,1,3,2] = -66253/5460, mop[1,1,1,3,1,4,1] = 18553/364, mop[1,1,1,3,2,1,3] = 139073/5460, mop[1,1,1,3,2,2,2] = -36223/5460, mop[1,1,1,3,2,3,1] = -17323/1092, mop[1,1,1,3,3,1,2] = 89903/5460, mop[1,1,1,3,3,2,1] = -77769/1820, mop[1,1,1,3,4,1,1] = -37657/5460, mop[1,1,1,4,1,1,3] = 141691/1820, mop[1,1,1,4,1,2,2] = -59741/1820, mop[1,1,1,4,1,3,1] = -71663/1092, mop[1,1,1,4,2,1,2] = -169851/1820, mop[1,1,1,4,2,2,1] = 53887/364, mop[1,1,1,4,3,1,1] = 28619/1092, mop[1,1,1,5,1,1,2] = -59741/1820, mop[1,1,1,5,1,2,1] = 9843/364, mop[1,1,1,5,2,1,1] = 2199/364, mop[1,1,1,6,1,1,1] = 4603/182, mop[1,1,2,1,1,1,5] = 7601/91, mop[1,1,2,1,1,2,4] = -7601/182, mop[1,1,2,1,1,3,3] = 12947/5460, mop[1,1,2,1,1,4,2] = 47861/5460, mop[1,1,2,1,1,5,1] = -401839/5460, mop[1,1,2,1,2,1,4] = -25663/546, mop[1,1,2,1,2,2,3] = 47883/1820, mop[1,1,2,1,2,3,2] = -22847/1820, mop[1,1,2,1,2,4,1] = 6031/156, mop[1,1,2,1,3,1,3] = 3487/182, mop[1,1,2,1,3,2,2] = -4917/910, mop[1,1,2,1,3,3,1] = -1589/130, mop[1,1,2,1,4,1,2] = -72897/1820, mop[1,1,2,1,4,2,1] = 2837/39, mop[1,1,2,1,5,1,1] = 641/52, mop[1,1,2,2,1,1,4] = -7601/182, mop[1,1,2,2,1,2,3] = 85019/5460, mop[1,1,2,2,1,3,2] = -24211/5460, mop[1,1,2,2,1,4,1] = 33637/1092, mop[1,1,2,2,2,1,3] = 7601/546, mop[1,1,2,2,2,2,2] = -7601/2730, mop[1,1,2,2,2,3,1] = -9892/1365, mop[1,1,2,2,3,1,2] = 47861/5460, mop[1,1,2,2,3,2,1] = -60097/2730, mop[1,1,2,2,4,1,1] = -19639/5460, mop[1,1,2,3,1,1,3] = -319/26, mop[1,1,2,3,1,2,2] = 9383/910, mop[1,1,2,3,1,3,1] = 16047/910, mop[1,1,2,3,2,1,2] = 65813/1820, mop[1,1,2,3,2,2,1] = -17035/273, mop[1,1,2,3,3,1,1] = -11993/1092, mop[1,1,2,4,1,1,2] = 9383/910, mop[1,1,2,4,1,2,1] = -29209/2730, mop[1,1,2,4,2,1,1] = -2153/910, mop[1,1,2,5,1,1,1] = -39341/1820, mop[1,1,3,1,1,1,4] = 5819/364, mop[1,1,3,1,1,2,3] = -167233/5460, mop[1,1,3,1,1,3,2] = 20383/1092, mop[1,1,3,1,1,4,1] = -32429/1092, mop[1,1,3,1,2,1,3] = -113179/5460, mop[1,1,3,1,2,2,2] = 47861/5460, mop[1,1,3,1,2,3,1] = 101573/5460, mop[1,1,3,1,3,1,2] = -15653/1092, mop[1,1,3,1,3,2,1] = 43829/1092, mop[1,1,3,1,4,1,1] = 6883/1092, mop[1,1,3,2,1,1,3] = -128293/1820, mop[1,1,3,2,1,2,2] = 61237/1820, mop[1,1,3,2,1,3,1] = 4282/65, mop[1,1,3,2,2,1,2] = 17435/182, mop[1,1,3,2,2,2,1] = -11915/78, mop[1,1,3,2,3,1,1] = -2113/78, mop[1,1,3,3,1,1,2] = 61237/1820, mop[1,1,3,3,1,2,1] = -5549/195, mop[1,1,3,3,2,1,1] = -1657/260, mop[1,1,3,4,1,1,1] = -1657/260, mop[1,1,4,1,1,1,3] = -113179/5460, mop[1,1,4,1,1,2,2] = 47861/5460, mop[1,1,4,1,1,3,1] = 101573/5460, mop[1,1,4,1,2,1,2] = 20383/1092, mop[1,1,4,1,2,2,1] = -28243/1092, mop[1,1,4,1,3,1,1] = -5129/1092, mop[1,1,4,2,1,1,2] = 47861/5460, mop[1,1,4,2,1,2,1] = -33107/5460, mop[1,1,4,2,2,1,1] = -7627/5460, mop[1,1,4,3,1,1,1] = 6883/1092, mop[1,1,5,1,1,1,2] = 190861/5460, mop[1,1,5,1,1,2,1] = -161807/5460, mop[1,1,5,1,2,1,1] = -36227/5460, mop[1,1,5,2,1,1,1] = -30869/1092, mop[1,1,6,1,1,1,1] = -36227/5460, mop[1,2,1,1,1,1,5] = 17156/91, mop[1,2,1,1,1,2,4] = -20341/182, mop[1,2,1,1,1,3,3] = 26597/5460, mop[1,2,1,1,1,4,2] = 157061/5460, mop[1,2,1,1,1,5,1] = -81072/455, mop[1,2,1,1,2,1,4] = -24631/182, mop[1,2,1,1,2,2,3] = 135671/1365, mop[1,2,1,1,2,3,2] = -73669/1365, mop[1,2,1,1,2,4,1] = 3291/26, mop[1,2,1,1,3,1,3] = 36851/546, mop[1,2,1,1,3,2,2] = -60251/2730, mop[1,2,1,1,3,3,1] = -9371/195, mop[1,2,1,1,4,1,2] = -609991/5460, mop[1,2,1,1,4,2,1] = 5059/26, mop[1,2,1,1,5,1,1] = 1733/52, mop[1,2,1,2,1,1,4] = -20341/182, mop[1,2,1,2,1,2,3] = 278849/5460, mop[1,2,1,2,1,3,2] = -95191/5460, mop[1,2,1,2,1,4,1] = 8301/91, mop[1,2,1,2,2,1,3] = 23981/546, mop[1,2,1,2,2,2,2] = -14038/1365, mop[1,2,1,2,2,3,1] = -140123/5460, mop[1,2,1,2,3,1,2] = 157061/5460, mop[1,2,1,2,3,2,1] = -133643/1820, mop[1,2,1,2,4,1,1] = -21713/1820, mop[1,2,1,3,1,1,3] = -969/26, mop[1,2,1,3,1,2,2] = 27583/910, mop[1,2,1,3,1,3,1] = 70253/1365, mop[1,2,1,3,2,1,2] = 49327/455, mop[1,2,1,3,2,2,1] = -17114/91, mop[1,2,1,3,3,1,1] = -3009/91, mop[1,2,1,4,1,1,2] = 27583/910, mop[1,2,1,4,1,2,1] = -14499/455, mop[1,2,1,4,2,1,1] = -19199/2730, mop[1,2,1,5,1,1,1] = -81201/1820, mop[1,2,2,1,1,1,4] = -20681/91, mop[1,2,2,1,1,2,3] = 783353/5460, mop[1,2,2,1,1,3,2] = -347443/5460, mop[1,2,2,1,1,4,1] = 19312/91, mop[1,2,2,1,2,1,3] = 154547/1365, mop[1,2,2,1,2,2,2] = -91139/2730, mop[1,2,2,1,2,3,1] = -84481/1092, mop[1,2,2,1,3,1,2] = 409313/5460, mop[1,2,2,1,3,2,1] = -359869/1820, mop[1,2,2,1,4,1,1] = -57749/1820, mop[1,2,2,2,1,1,3] = 336872/1365, mop[1,2,2,2,1,2,2] = -136732/1365, mop[1,2,2,2,1,3,1] = -7966/39, mop[1,2,2,2,2,1,2] = -738929/2730, mop[1,2,2,2,2,2,1] = 5461/13, mop[1,2,2,2,3,1,1] = 1939/26, mop[1,2,2,3,1,1,2] = -136732/1365, mop[1,2,2,3,1,2,1] = 1028/13, mop[1,2,2,3,2,1,1] = 692/39, mop[1,2,2,4,1,1,1] = 18389/260, mop[1,2,3,1,1,1,3] = 154547/1365, mop[1,2,3,1,1,2,2] = -91139/2730, mop[1,2,3,1,1,3,1] = -84481/1092, mop[1,2,3,1,2,1,2] = -347443/5460, mop[1,2,3,1,2,2,1] = 28927/364, mop[1,2,3,1,3,1,1] = 5267/364, mop[1,2,3,2,1,1,2] = -91139/2730, mop[1,2,3,2,1,2,1] = 6905/364, mop[1,2,3,2,2,1,1] = 2395/546, mop[1,2,3,3,1,1,1] = -57749/1820, mop[1,2,4,1,1,1,2] = -39619/455, mop[1,2,4,1,1,2,1] = 12247/182, mop[1,2,4,1,2,1,1] = 4129/273, mop[1,2,4,2,1,1,1] = 5714/91, mop[1,2,5,1,1,1,1] = 4129/273, mop[1,3,1,1,1,1,4] = -20341/182, mop[1,3,1,1,1,2,3] = 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mop[1,3,3,1,2,1,1] = -19199/2730, mop[1,3,3,2,1,1,1] = -3009/91, mop[1,3,4,1,1,1,1] = -19199/2730, mop[1,4,1,1,1,1,3] = 428999/5460, mop[1,4,1,1,1,2,2] = -23843/1092, mop[1,4,1,1,1,3,1] = -70316/1365, mop[1,4,1,1,2,1,2] = -221317/5460, mop[1,4,1,1,2,2,1] = 4479/91, mop[1,4,1,1,3,1,1] = 3265/364, mop[1,4,1,2,1,1,2] = -23843/1092, mop[1,4,1,2,1,2,1] = 5378/455, mop[1,4,1,2,2,1,1] = 14941/5460, mop[1,4,1,3,1,1,1] = -39731/1820, mop[1,4,2,1,1,1,2] = -66743/1092, mop[1,4,2,1,1,2,1] = 6133/130, mop[1,4,2,1,2,1,1] = 8263/780, mop[1,4,2,2,1,1,1] = 2305/52, mop[1,4,3,1,1,1,1] = 8263/780, mop[1,5,1,1,1,1,2] = -23843/1092, mop[1,5,1,1,1,2,1] = 5378/455, mop[1,5,1,1,2,1,1] = 14941/5460, mop[1,5,1,2,1,1,1] = 14941/5460, mop[1,6,1,1,1,1,1] = 9747/1820, mop[2,1,1,1,1,1,5] = 7601/91, mop[2,1,1,1,1,2,4] = -7601/182, mop[2,1,1,1,1,3,3] = 12947/5460, mop[2,1,1,1,1,4,2] = 47861/5460, mop[2,1,1,1,1,5,1] = -401839/5460, mop[2,1,1,1,2,1,4] = -25663/546, mop[2,1,1,1,2,2,3] = 47883/1820, mop[2,1,1,1,2,3,2] = 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mop[2,1,2,1,1,4,1] = 18553/364, mop[2,1,2,1,2,1,3] = 139073/5460, mop[2,1,2,1,2,2,2] = -36223/5460, mop[2,1,2,1,2,3,1] = -17323/1092, mop[2,1,2,1,3,1,2] = 89903/5460, mop[2,1,2,1,3,2,1] = -77769/1820, mop[2,1,2,1,4,1,1] = -37657/5460, mop[2,1,2,2,1,1,3] = 267773/5460, mop[2,1,2,2,1,2,2] = -100573/5460, mop[2,1,2,2,1,3,1] = -1492/39, mop[2,1,2,2,2,1,2] = -132869/2730, mop[2,1,2,2,2,2,1] = 1939/26, mop[2,1,2,2,3,1,1] = 1033/78, mop[2,1,2,3,1,1,2] = -100573/5460, mop[2,1,2,3,1,2,1] = 183/13, mop[2,1,2,3,2,1,1] = 493/156, mop[2,1,2,4,1,1,1] = 14477/780, mop[2,1,3,1,

1,1,3] = 139073/5460, mop[2,1,3,1,1,2,2] = -36223/5460, mop[2,1,3,1,1,3,1] = -17323/1092, mop[2,1,3,1,2,1,2] = -66253/5460, mop[2,1,3,1,2,2,1] = 5267/364, mop[2,1,3,1,3,1,1] = 2879/1092, mop[2,1,3,2,1,1,2] = -36223/5460, mop[2,1,3,2,1,2,1] = 1263/364, mop[2,1,3,2,2,1,1] = 877/1092, mop[2,1,3,3,1,1,1] = -37657/5460, mop[2,1,4,1,1,1,2] = -59741/1820, mop[2,1,4,1,1,2,1] = 9843/364, mop[2,1,4,1,2,1,1] = 2199/364, mop[2,1,4,2,1,1,1] = 28619/1092, mop[2,1,5,1,1,1,1] = 2199/364, mop[2,2,1,1,1,1,4] = -7601/182, mop[2,2,1,1,1,2,3] = 85019/5460, mop[2,2,1,1,1,3,2] = -24211/5460, mop[2,2,1,1,1,4,1] = 33637/1092, mop[2,2,1,1,2,1,3] = 7601/546, mop[2,2,1,1,2,2,2] = -7601/2730, mop[2,2,1,1,2,3,1] = -9892/1365, mop[2,2,1,1,3,1,2] = 47861/5460, mop[2,2,1,1,3,2,1] = -60097/2730, mop[2,2,1,1,4,1,1] = -19639/5460, mop[2,2,1,2,1,1,3] = 3487/182, mop[2,2,1,2,1,2,2] = -4917/910, mop[2,2,1,2,1,3,1] = -1589/130, mop[2,2,1,2,2,1,2] = -22847/1820, mop[2,2,1,2,2,2,1] = 692/39, mop[2,2,1,2,3,1,1] = 493/156, mop[2,2,1,3,1,1,2] = -4917/910, mop[2,2,1,3,1,2,1] = 1343/390, mop[2,2,1,3,2,1,1] = 101/130, mop[2,2,1,4,1,1,1] = 641/52, mop[2,2,2,1,1,1,3] = 7601/546, mop[2,2,2,1,1,2,2] = -7601/2730, mop[2,2,2,1,1,3,1] = -9892/1365, mop[2,2,2,1,2,1,2] = -24211/5460, mop[2,2,2,1,2,2,1] = 2395/546, mop[2,2,2,1,3,1,1] = 877/1092, mop[2,2,2,2,1,1,2] = -7601/2730, mop[2,2,2,2,1,2,1] = 1483/1365, mop[2,2,2,2,2,1,1] = 691/2730, mop[2,2,3,1,1,1,1] = -19639/5460, mop[2,2,3,1,1,1,2] = 9383/910, mop[2,2,3,1,1,2,1] = -29209/2730, mop[2,2,3,1,2,1,1] = -2153/910, mop[2,2,3,2,1,1,1] = -11993/1092, mop[2,2,4,1,1,1,1] = -2153/910, mop[2,3,1,1,1,1,3] = -113179/5460, mop[2,3,1,1,1,2,2] = 47861/5460, mop[2,3,1,1,1,3,1] = 101573/5460, mop[2,3,1,1,2,1,2] = 20383/1092, mop[2,3,1,1,2,2,1] = -28243/1092, mop[2,3,1,1,3,1,1] = -5129/1092, mop[2,3,1,2,1,1,2] = 47861/5460, mop[2,3,1,2,1,2,1] = -33107/5460, mop[2,3,1,2,2,1,1] = -7627/5460, mop[2,3,1,3,1,1,1] = 6883/1092, mop[2,3,2,1,1,1,2] = 61237/1820, mop[2,3,2,1,1,2,1] = -5549/195, mop[2,3,2,1,2,1,1] = -1657/260, mop[2,3,2,2,1,1,1] = -2113/78, mop[2,3,3,1,1,1,1] = -1657/260, mop[2,4,1,1,1,1,2] = 47861/5460, mop[2,4,1,1,1,2,1] = -33107/5460, mop[2,4,1,1,2,1,1] = -7627/5460, mop[2,4,1,2,1,1,1] = -5129/1092, mop[2,4,2,1,1,1,1] = -7627/5460, mop[2,5,1,1,1,1,1] = -36227/5460, mop[3,1,1,1,1,1,4] = 5139/182, mop[3,1,1,1,1,2,3] = -108811/5460, mop[3,1,1,1,1,3,2] = 46769/5460, mop[3,1,1,1,1,4,1] = -16169/546, mop[3,1,1,1,2,1,3] = -8779/546, mop[3,1,1,1,2,2,2] = 6437/1365, mop[3,1,1,1,2,3,1] = 20329/1820, mop[3,1,1,1,3,1,2] = -61339/5460, mop[3,1,1,1,3,2,1] = 160541/5460, mop[3,1,1,1,4,1,1] = 25861/5460, mop[3,1,1,2,1,1,3] = -15929/546, mop[3,1,1,2,1,2,2] = 30749/2730, mop[3,1,1,2,1,3,1] = 4604/195, mop[3,1,1,2,2,1,2] = 78797/2730, mop[3,1,1,2,2,2,1] = -1700/39, mop[3,1,1,2,3,1,1] = -605/78, mop[3,1,1,3,1,1,2] = 30749/2730, mop[3,1,1,3,1,2,1] = -1636/195, mop[3,1,1,3,2,1,1] = -737/390, mop[3,1,1,4,1,1,1] = -451/52, mop[3,1,2,1,1,1,3] = -8779/546, mop[3,1,2,1,1,2,2] = 6437/1365, mop[3,1,2,1,1,3,1] = 20329/1820, mop[3,1,2,1,2,1,2] = 46769/5460, mop[3,1,2,1,2,2,1] = -11135/1092, mop[3,1,2,1,3,1,1] = -2035/1092, mop[3,1,2,2,1,1,2] = 6437/1365, mop[3,1,2,2,1,2,1] = -13633/5460, mop[3,1,2,2,2,1,1] = -264/455, mop[3,1,2,3,1,1,1] = 25861/5460, mop[3,1,3,1,1,1,2] = -8817/910, mop[3,1,3,1,1,2,1] = 14288/1365, mop[3,1,3,1,2,1,1] = 6281/2730, mop[3,1,3,2,1,1,1] = 6061/546, mop[3,1,4,1,1,1,1] = 6281/2730, mop[3,2,1,1,1,1,3] = -170021/2730, mop[3,2,1,1,1,2,2] = 27458/1365, mop[3,2,1,1,1,3,1] = 49835/1092, mop[3,2,1,1,2,1,2] = 214937/5460, mop[3,2,1,1,2,2,1] = -18393/364, mop[3,2,1,1,3,1,1] = -10043/1092, mop[3,2,1,2,1,1,2] = 27458/1365, mop[3,2,1,2,1,2,1] = -4379/364, mop[3,2,1,2,2,1,1] = -253/91, mop[3,2,1,3,1,1,1] = 97933/5460, mop[3,2,2,1,1,1,2] = 172891/2730, mop[3,2,2,1,1,2,1] = -662/13, mop[3,2,2,1,2,1,1] = -297/26, mop[3,2,2,2,1,1,1] = -3751/78, mop[3,2,3,1,1,1,1] = -297/26, mop[3,3,1,1,1,1,2] = 27458/1365, mop[3,3,1,1,1,2,1] = -4379/364, mop[3,3,1,1,2,1,1] = -253/91, mop[3,3,1,2,1,1,1] = -10043/1092, mop[3,3,2,1,1,1,1] = -253/91, mop[3,4,1,1,1,1,1] = -1661/546, mop[4,1,1,1,1,1,3] = -8779/546, mop[4,1,1,1,1,2,2] = 6437/1365, mop[4,1,1,1,1,3,1] = 20329/1820, mop[4,1,1,1,2,1,2] = 46769/5460, mop[4,1,1,1,2,2,1] = -11135/1092, mop[4,1,1,1,3,1,1] = -2035/1092, mop[4,1,1,2,1,1,2] = 6437/1365, mop[4,1,1,2,1,2,1] = -13633/5460, mop[4,1,1,2,2,1,1] = -264/455, mop[4,1,1,3,1,1,1] = 25861/5460, mop[4,1,2,1,1,1,2] = 30749/2730, mop[4,1,2,1,1,2,1] = -1636/195, mop[4,1,2,1,2,1,1] = -737/390, mop[4,1,2,2,1,1,1] = -605/78, mop[4,1,3,1,1,1,1] = -737/390, mop[4,2,1,1,1,1,2] = 6437/1365, mop[4,2,1,1,1,2,1] = -13633/5460, mop[4,2,1,1,2,1,1] = -264/455, mop[4,2,1,2,1,1,1] = -2035/1092, mop[4,2,2,1,1,1,1] = -264/455, mop[4,3,1,1,1,1,1] = 6281/2730, mop[5,1,1,1,1,1,2] = 46769/5460, mop[5,1,1,1,1,2,1] = -4441/910, mop[5,1,1,1,2,1,1] = -2057/1820, mop[5,1,1,2,1,1,1] = -4037/1092, mop[5,1,2,1,1,1,1] = -2057/1820, mop[5,2,1,1,1,1,1] = -1111/260, mop[6,1,1,1,1,1,1] = -2057/1820, mop[1,1,1,1,1,1,5] = -7601/91, mop[1,1,1,1,1,2,4] = 7601/182, mop[1,1,1,1,1,3,3] = -12947/5460, mop[1,1,1,1,1,4,2] = -47861/5460, mop[1,1,1,1,1,5,1] = 401839/5460, mop[1,1,1,1,2,1,4] = 25663/546, mop[1,1,1,1,2,2,3] = -47883/1820, mop[1,1,1,1,2,3,2] = 22847/1820, mop[1,1,1,1,2,4,1] = -6031/156, mop[1,1,1,1,3,1,3] = -3487/182, mop[1,1,1,1,3,2,2] = 4917/910, mop[1,1,1,1,3,3,1] = 1589/130, mop[1,1,1,1,4,1,2] = 72897/1820, mop[1,1,1,1,4,2,1] = -2837/39, mop[1,1,1,1,5,1,1] = -641/52, mop[1,1,1,2,1,1,4] = 7601/182, mop[1,1,1,2,1,2,3] = -85019/5460, mop[1,1,1,2,1,3,2] = 24211/5460, mop[1,1,1,2,1,4,1] = -33637/1092, mop[1,1,1,2,2,1,3] = -7601/546, mop[1,1,1,2,2,2,2] = 7601/2730, mop[1,1,1,2,2,3,1] = 9892/1365, mop[1,1,1,2,3,1,2] = -47861/5460, mop[1,1,1,2,3,2,1] = 60097/2730, mop[1,1,1,2,4,1,1] = 19639/5460, mop[1,1,1,3,1,1,3] = 319/26, mop[1,1,1,3,1,2,2] = -9383/910, mop[1,1,1,3,1,3,1] = -16047/910, mop[1,1,1,3,2,1,2] = -65813/1820, mop[1,1,1,3,2,2,1] = 17035/273, mop[1,1,1,3,3,1,1] = 11993/1092, mop[1,1,1,4,1,1,2] = -9383/910, mop[1,1,1,4,1,2,1] = 29209/2730, mop[1,1,1,4,2,1,1] = 2153/910, mop[1,1,1,5,1,1,1] = 39341/1820, mop[1,1,2,1,1,1,4] = 22209/364, mop[1,1,2,1,1,2,3] = -169103/5460, mop[1,1,2,1,1,3,2] = 66253/5460, mop[1,1,2,1,1,4,1] = -18553/364, mop[1,1,2,1,2,1,3] = -139073/5460, mop[1,1,2,1,2,2,2] = 36223/5460, mop[1,1,2,1,2,3,1] = 17323/1092, mop[1,1,2,1,3,1,2] = -89903/5460, mop[1,1,2,1,3,2,1] = 77769/1820, mop[1,1,2,1,4,1,1] = 37657/5460, mop[1,1,2,2,1,1,3] = -267773/5460, mop[1,1,2,2,1,2,2] = 100573/5460, mop[1,1,2,2,1,3,1] = 1492/39, mop[1,1,2,2,2,1,2] = 132869/2730, mop[1,1,2,2,2,2,1] = -1939/26, mop[1,1,2,2,3,1,1] = -183/13, mop[1,1,2,3,1,1,2] = 100573/5460, mop[1,1,2,3,1,2,1] = -183/13, mop[1,1,2,3,2,1,1] = -493/156, mop[1,1,2,4,1,1,1] = -14477/780, mop[1,1,3,1,1,1,3] = -139073/5460, mop[1,1,3,1,1,2,2] = 36223/5460, mop[1,1,3,1,1,3,1] = 17323/1092, mop[1,1,3,1,2,1,2] = 66253/5460, mop[1,1,3,1,2,2,1] = -5267/364, mop[1,1,3,1,3,1,1] = -2879/1092, mop[1,1,3,2,1,1,2] = 36223/5460, mop[1,1,3,2,1,2,1] = -1263/364, mop[1,1,3,2,2,1,1] = -877/1092, mop[1,1,3,3,1,1,1] = 37657/5460, mop[1,1,4,1,1,1,2] = 59741/1820, mop[1,1,4,1,1,2,1] = -9843/364, mop[1,1,4,1,2,1,1] = -2199/364, mop[1,1,4,2,1,1,1] = -28619/1092, mop[1,1,5,1,1,1,1] = -2199/364, mop[1,2,1,1,1,1,4] = 7601/182, mop[1,2,1,1,1,2,3] = -85019/5460, mop[1,2,1,1,1,3,2] = 24211/5460, mop[1,2,1,1,1,4,1] = -33637/1092, mop[1,2,1,1,2,1,3] = -7601/546, mop[1,2,1,1,2,2,2] = 7601/2730, mop[1,2,1,1,2,3,1] = 9892/1365, mop[1,2,1,1,3,1,2] = -47861/5460, mop[1,2,1,1,3,2,1] = 60097/2730, mop[1,2,1,1,4,1,1] = 19639/5460, mop[1,2,1,2,1,1,3] = -3487/182, mop[1,2,1,2,1,2,2] = 4917/910, mop[1,2,1,2,1,3,1] = 1589/130, mop[1,2,1,2,2,1,2] = 22847/1820, mop[1,2,1,2,2,2,1] = -692/39, mop[1,2,1,2,3,1,1] = -493/156, mop[1,2,1,3,1,1,2] = 4917/910, mop[1,2,1,3,1,2,1] = -1343/390, mop[1,2,1,3,2,1,1] = -101/130, mop[1,2,1,4,1,1,1] = -641/52, 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-47861/5460, mop[1,4,1,1,1,2,1] = 33107/5460, mop[1,4,1,1,2,1,1] = 7627/5460, mop[1,4,1,2,1,1,1] = 5129/1092, mop[1,4,2,1,1,1,1] = 7627/5460, mop[1,5,1,1,1,1,1] = 36227/5460, mop[2,1,1,1,1,1,4] = 20341/182, mop[1,2,1,1,1,1,2,3] = -278849/5460, mop[1,2,1,1,1,1,3,2] = 95191/5460, mop[1,2,1,1,1,1,4,1] = -8301/91, mop[1,2,1,1,1,2,1,3] = -23981/546, mop[

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mop[1,2,1,4,1,1,1,1] = 19199/2730, mop[1,2,2,1,1,1,1,3] = -154547/1365, mop[1,2,2,1,1,1,2,2] = 91139/2730, mop[1,2,2,1,1,1,3,1] = 84481/1092, mop[1,2,2,1,1,2,1,2] = 347443/5460, mop[1,2,2,1,1,2,2,1] = -28927/364, mop[1,2,2,1,1,3,1,1] = -5267/364, mop[1,2,2,1,2,1,1,2] = 91139/2730, mop[1,2,2,1,2,1,2,1] = -6905/364, mop[1,2,2,1,2,2,1,1] = -2395/546, mop[1,2,2,1,3,1,1,1] = 57749/1820, mop[1,2,2,2,1,1,1,2] = 136732/1365, mop[1,2,2,2,1,1,2,1] = -1028/13, mop[1,2,2,2,1,2,1,1] = -692/39, mop[1,2,2,2,2,1,1,1] = -1939/26, mop[1,2,3,1,1,1,1,2] = 91139/2730, mop[1,2,3,1,1,1,2,1] = -6905/364, mop[1,2,3,1,1,2,1,1] = -2395/546, mop[1,2,3,1,2,1,1,1] = -5267/364, mop[1,2,3,2,1,1,1,1] = -2395/546, mop[1,2,4,1,1,1,1,1] = -4129/273, mop[1,3,1,1,1,1,1,3] = -23981/546, mop[1,3,1,1,1,1,2,2] = 14038/1365, mop[1,3,1,1,1,1,3,1] = 140123/5460, mop[1,3,1,1,1,2,1,2] = 95191/5460, mop[1,3,1,1,1,2,2,1] = -6905/364, mop[1,3,1,1,1,3,1,1] = -1263/364, mop[1,3,1,1,2,1,1,2] = 14038/1365, mop[1,3,1,1,2,1,2,1] = -8499/1820, mop[1,3,1,1,2,2,1,1] = -1483/1365, mop[1,3,1,1,3,1,1,1] = 21713/1820, mop[1,3,1,2,1,1,1,2] = 60251/2730, mop[1,3,1,2,1,1,2,1] = -993/65, mop[1,3,1,2,1,2,1,1] = -1343/390, mop[1,3,1,2,2,1,1,1] = -183/13, mop[1,3,1,3,1,1,1,1] = -1343/390, mop[1,3,2,1,1,1,1,2] = 14038/1365, mop[1,3,2,1,1,1,2,1] = -8499/1820, mop[1,3,2,1,1,2,1,1] = -1483/1365, mop[1,3,2,1,2,1,1,1] = -1263/364, mop[1,3,2,2,1,1,1,1] = -1483/1365, mop[1,3,3,1,1,1,1,1] = 19199/2730, mop[1,4,1,1,1,1,1,2] = 23843/1092, mop[1,4,1,1,1,1,2,1] = -5378/455, mop[1,4,1,1,2,1,1] = -14941/5460, mop[1,4,1,2,1,1,1,1] = -3265/364, mop[1,4,2,1,1,1,1,1] = -14941/5460, mop[1,4,2,1,1,1,1,1] = -8263/780, mop[1,5,1,1,1,1,1,1] = -14941/5460, mop[2,1,1,1,1,1,1,4] = 7601/182, mop[2,1,1,1,1,1,2,3] = -85019/5460, mop[2,1,1,1,1,1,3,2] = 24211/5460, mop[2,1,1,1,1,1,4,1] = -33637/1092, mop[2,1,1,1,1,2,1,3] = -7601/546, mop[2,1,1,1,1,2,2,2] = 7601/2730, mop[2,1,1,1,1,2,3,1] = 9892/1365, mop[2,1,1,1,1,3,1,2] = -47861/5460, mop[2,1,1,1,1,3,2,1] = 60097/2730, mop[2,1,1,1,1,4,1,1] = 19639/5460, mop[2,1,1,1,2,1,1,3] = -3487/182, mop[2,1,1,1,2,1,2,2] = 4917/910, mop[2,1,1,1,2,1,3,1] = 1589/130, mop[2,1,1,1,2,2,1,2] = 22847/1820, mop[2,1,1,1,2,2,2,1] = -692/39, mop[2,1,1,1,2,3,1,1] = -493/156, mop[2,1,1,1,3,1,1,2] = 4917/910, mop[2,1,1,1,3,1,2,1] = -1343/390, mop[2,1,1,1,3,2,1,1] = -101/130, mop[2,1,1,1,4,1,1,1] = -641/52, mop[2,1,1,2,1,1,1,3] = -7601/546, mop[2,1,1,2,1,1,2,2] = 7601/2730, mop[2,1,1,2,1,1,3,1] = 9892/1365, mop[2,1,1,2,1,2,1,2] = 24211/5460, mop[2,1,1,2,1,2,2,1] = -2395/546, mop[2,1,1,2,1,3,1,1] = -877/1092, mop[2,1,1,2,2,1,1,2] = 7601/2730, mop[2,1,1,2,2,1,2,1] = -1483/1365, mop[2,1,1,2,2,2,1,1] = -691/2730, mop[2,1,1,2,3,1,1,1] = 19639/5460, mop[2,1,1,3,1,1,1,2] = -9383/910, mop[2,1,1,3,1,1,2,1] = 29209/2730, mop[2,1,1,3,1,2,1,1] = 2153/910, mop[2,1,1,3,2,1,1,1] = 11993/1092, mop[2,1,1,4,1,1,1,1] = 2153/910, mop[2,1,2,1,1,1,1,3] = -139073/5460, mop[2,1,2,1,1,1,2,2] = 36223/5460, mop[2,1,2,1,1,1,3,1] = 17323/1092, 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mop[2,2,1,2,1,1,2,1] = -1343/390, mop[2,2,1,2,1,2,1,1] = -101/130, mop[2,2,1,2,2,1,1,1] = -493/156, mop[2,2,1,3,1,1,1,1] = -101/130, mop[2,2,2,1,1,1,1,2] = 7601/2730, mop[2,2,2,1,1,1,2,1] = -1483/1365, mop[2,2,2,1,1,2,1,1] = -691/2730, mop[2,2,2,1,2,1,1,1] = -877/1092, mop[2,2,2,2,1,1,1,1] = -691/2730, mop[2,2,3,1,1,1,1,1] = 2153/910, mop[2,3,1,1,1,1,1,2] = -47861/5460, mop[2,3,1,1,1,1,2,1] = 33107/5460, mop[2,3,1,1,1,2,1,1] = 7627/5460, mop[2,3,1,1,2,1,1,1] = 5129/1092, mop[2,3,1,2,1,1,1,1] = 7627/5460, mop[2,3,2,1,1,1,1,1] = 1657/260, mop[2,4,1,1,1,1,1,1] = 7627/5460, mop[3,1,1,1,1,1,1,3] = 8779/546, mop[3,1,1,1,1,1,2,2] = -6437/1365, mop[3,1,1,1,1,1,3,1] = -20329/1820, mop[3,1,1,1,1,2,1,2] = -46769/5460, mop[3,1,1,1,1,2,2,1] = 11135/1092, mop[3,1,1,1,1,3,1,1] = 2035/1092, mop[3,1,1,1,2,1,1,2] = -6437/1365, mop[3,1,1,1,2,1,2,1] = 13633/5460, mop[3,1,1,1,2,2,1,1] = 264/455, mop[3,1,1,1,3,1,1,1] = -25861/5460, mop[3,1,1,2,1,1,1,2] = -30749/2730, mop[3,1,1,2,1,1,2,1] = 1636/195, mop[3,1,1,2,1,2,1,1] = 737/390, mop[3,1,1,2,2,1,1,1] = 605/78, mop[3,1,1,3,1,1,1,1] = 737/390, mop[3,1,2,1,1,1,1,2] = -6437/1365, mop[3,1,2,1,1,1,2,1] = 13633/5460, mop[3,1,2,1,1,2,1,1] = 264/455, mop[3,1,2,1,2,1,1,1] = 2035/1092, mop[3,1,2,2,1,1,1,1] = 264/455, mop[3,1,3,1,1,1,1,1] = -6281/2730, mop[3,2,1,1,1,1,1,2] = -27458/1365, mop[3,2,1,1,1,1,2,1] = 4379/364, mop[3,2,1,1,1,2,1,1] = 253/91, mop[3,2,1,1,2,1,1,1] = 10043/1092, mop[3,2,1,2,1,1,1,1] = 253/91, mop[3,2,2,1,1,1,1,1] = 297/26, mop[3,3,1,1,1,1,1,1] = 253/91, mop[4,1,1,1,1,1,1,2] = -6437/1365, mop[4,1,1,1,1,1,2,1] = 13633/5460, mop[4,1,1,1,1,2,1,1] = 264/455, mop[4,1,1,1,2,1,1,1] = 2035/1092, mop[4,1,1,2,1,1,1,1] = 264/455, mop[4,1,2,1,1,1,1,1] = 737/390, mop[4,2,1,1,1,1,1,1] = 264/455, mop[5,1,1,1,1,1,1,1] = 2057/1820, mop[1,1,1,1,1,1,1,4] = -7601/182, mop[1,1,1,1,1,1,2,3] = 85019/5460, mop[1,1,1,1,1,1,3,2] = -24211/5460, mop[1,1,1,1,1,1,4,1] = 33637/1092, mop[1,1,1,1,1,2,1,3] = 7601/546, mop[1,1,1,1,1,2,2,2] = -7601/2730, mop[1,1,1,1,1,2,3,1] = -9892/1365, mop[1,1,1,1,1,3,1,2] = 47861/5460, mop[1,1,1,1,1,3,2,1] = -60097/2730, mop[1,1,1,1,1,4,1,1] = -19639/5460, mop[1,1,1,1,2,1,1,3] = 3487/182, mop[1,1,1,1,2,1,2,2] = -4917/910, mop[1,1,1,1,2,1,3,1] = -1589/130, mop[1,1,1,1,2,2,1,2] = -22847/1820, mop[1,1,1,1,2,2,2,1] = 692/39, mop[1,1,1,1,2,3,1,1] = 493/156, mop[1,1,1,1,3,1,1,2] = -4917/910, mop[1,1,1,1,3,1,2,1] = 1343/390, mop[1,1,1,1,3,2,1,1] = 101/130, mop[1,1,1,1,4,1,1,1] = 641/52, mop[1,1,1,2,1,1,1,3] = 7601/546, mop[1,1,1,2,1,1,2,2] = -7601/2730, mop[1,1,1,2,1,1,3,1] = -9892/1365, mop[1,1,1,2,1,2,1,2] = -24211/5460, mop[1,1,1,2,1,2,2,1] = 2395/546, mop[1,1,1,2,1,3,1,1] = 877/1092, mop[1,1,1,2,2,1,1,2] = -7601/2730, mop[1,1,1,2,2,1,2,1] = 1483/1365, mop[1,1,1,2,2,2,1,1] = 691/2730, mop[1,1,1,2,3,1,1,1] = -19639/5460, mop[1,1,1,3,1,1,1,2] = 9383/910, mop[1,1,1,3,1,1,2,1] = -29209/2730, mop[1,1,1,3,1,2,1,1] = -2153/910, mop[1,1,1,3,2,1,1,1] = -11993/1092, mop[1,1,1,4,1,1,1,1] = -2153/910, mop[1,1,2,1,1,1,1,3] = 139073/5460, mop[1,1,2,1,1,1,2,2] = -36223/5460, mop[1,1,2,1,1,1,3,1] = -17323/1092, mop[1,1,2,1,1,2,1,2] = -66253/5460, mop[1,1,2,1,1,2,2,1] = 5267/364, mop[1,1,2,1,1,3,1,1] = 2879/1092, mop[1,1,2,1,2,1,1,2] = -36223/5460, mop[1,1,2,1,2,1,2,1] = 1263/364, mop[1,1,2,1,2,2,1,1] = 877/1092, mop[1,1,2,1,3,1,1,1] = -37657/5460, mop[1,1,2,2,1,1,1,2] = -100573/5460, mop[1,1,2,2,1,1,2,1] = 183/13, mop[1,1,2,2,1,2,1,1] = 493/156, mop[1,1,2,2,2,1,1,1] = 1033/78, mop[1,1,2,3,1,1,1,1] = 493/156, mop[1,1,3,1,1,1,1,2] = -36223/5460, mop[1,1,3,1,1,1,2,1] = 1263/364, mop[1,1,3,1,1,2,1,1] = 877/1092, mop[1,1,3,1,2,1,1,1] = 2879/1092, mop[1,1,3,2,1,1,1,1] = 877/1092, mop[1,1,4,1,1,1,1,1] = 2199/364, mop[1,1,2,1,1,1,1,3] = 7601/546, mop[1,1,2,1,1,1,2,2] = -7601/2730, mop[1,1,2,1,1,1,3,1] = -9892/1365, mop[1,1,2,1,1,2,1,2] = -24211/5460, mop[1,1,2,1,1,2,2,1] = 2395/546, mop[1,1,2,1,1,3,1,1] = 877/1092, mop[1,1,2,1,1,2,1,2] = -7601/2730, mop[1,1,2,1,1,2,2,1] = 1483/1365, mop[1,1,2,1,1,2,2,1] = 691/2730, mop[1,1,2,1,3,1,1,1] = -19639/5460, mop[1,1,2,1,2,1,1,1,2] = -4917/910, mop[1,1,2,1,2,1,2,1] = 1343/390, mop[1,1,2,1,2,1,2,1,1] = 101/130, mop[1,1,2,1,2,2,1,1,1] = 493/156, mop[1,1,2,1,3,1,1,1,1] = 101/130, mop[1,1,2,2,1,1,1,1,2] = -7601/2730, mop[1,1,2,2,1,1,1,2,1] = 1483/1365, mop[1,1,2,2,1,1,2,1,1] = 691/2730, mop[1,1,2,2,1,2,1,1,1] = 877/1092, mop[1,1,2,2,2,1,1,1,1] = 691/

2730, mop[1,1,2,3,1,1,1,1,1] = -2153/910, mop[1,1,3,1,1,1,1,1,2] = 47861/5460, mop[1,1,3,1,1,1,1,2,1] = -33107/5460, mop[1,1,3,1,1,1,2,1,1] = -7627/5460, mop[1,1,3,1,1,2,1,1,1] = -5129/1092, mop[1,1,3,1,2,1,1,1,1] = -7627/5460, mop[1,1,3,2,1,1,1,1,1] = -1657/260, mop[1,1,4,1,1,1,1,1,1] = -7627/5460, mop[1,2,1,1,1,1,1,1,3] = 23981/546, mop[1,2,1,1,1,1,1,2,2] = -\
14038/1365, mop[1,2,1,1,1,1,1,3,1] = -140123/5460, mop[1,2,1,1,1,1,2,1,2] = -95191/5460, mop[1,2,1,1,1,1,2,2,1] = 6905/
364, mop[1,2,1,1,1,1,3,1,1] = 1263/364, mop[1,2,1,1,1,2,1,1,2] = -14038/1365, mop[1,2,1,1,1,2,1,2,1] = 8499/1820, mop[1,2
,1,1,1,2,2,1,1] = 1483/1365, mop[1,2,1,1,1,3,1,1,1] = -21713/1820, mop[1,2,1,1,2,1,1,1,2] = -60251/2730, mop[1,2,1,1,2,1,
1,2,1] = 993/65, mop[1,2,1,1,2,1,2,1,1] = 1343/390, mop[1,2,1,1,2,2,1,1,1] = 183/13, mop[1,2,1,1,3,1,1,1,1] = 1343/390,
mop[1,2,1,2,1,1,1,1,2] = -14038/1365, mop[1,2,1,2,1,1,1,2,1] = 8499/1820, mop[1,2,1,2,1,1,2,1,1] = 1483/1365, mop[1,2,1,2
,1,2,1,1,1] = 1263/364, mop[1,2,1,2,2,1,1,1,1] = 1483/1365, mop[1,2,1,3,1,1,1,1,1] = -19199/2730, mop[1,2,2,1,1,1,1,1,2]
= -91139/2730, mop[1,2,2,1,1,1,1,2,1] = 6905/364, mop[1,2,2,1,1,1,2,1,1] = 2395/546, mop[1,2,2,1,1,2,1,1,1] = 5267/364,
mop[1,2,2,1,2,1,1,1,1] = 2395/546, mop[1,2,2,2,1,1,1,1,1] = 692/39, mop[1,2,3,1,1,1,1,1,1] = 2395/546, mop[1,3,1,1,1,1,1,
1,2] = -14038/1365, mop[1,3,1,1,1,1,1,2,1] = 8499/1820, mop[1,3,1,1,1,1,2,1,1] = 1483/1365, mop[1,3,1,1,1,2,1,1,1] = 1263
/364, mop[1,3,1,1,2,1,1,1,1] = 1483/1365, mop[1,3,1,2,1,1,1,1,1] = 1343/390, mop[1,3,2,1,1,1,1,1,1] = 1483/1365, mop[1,4,
1,1,1,1,1,1,1] = 14941/5460, mop[2,1,1,1,1,1,1,1,3] = 7601/546, mop[2,1,1,1,1,1,1,2,2] = -7601/2730, mop[2,1,1,1,1,1,1,3,
1] = -9892/1365, mop[2,1,1,1,1,1,2,1,2] = -24211/5460, mop[2,1,1,1,1,1,2,2,1] = 2395/546, mop[2,1,1,1,1,1,3,1,1] = 877/
1092, mop[2,1,1,1,1,2,1,1,2] = -7601/2730, mop[2,1,1,1,1,2,1,2,1] = 1483/1365, mop[2,1,1,1,1,2,2,1,1] = 691/2730, mop[2,1
,1,1,1,3,1,1,1] = -19639/5460, mop[2,1,1,1,2,1,1,1,2] = -4917/910, mop[2,1,1,1,2,1,1,2,1] = 1343/390, mop[2,1,1,1,2,1,2,1
,1] = 101/130, mop[2,1,1,1,2,2,1,1,1] = 493/156, mop[2,1,1,1,3,1,1,1,1] = 101/130, mop[2,1,1,2,1,1,1,1,2] = -7601/2730,
mop[2,1,1,2,1,1,1,2,1] = 1483/1365, mop[2,1,1,2,1,1,2,1,1] = 691/2730, mop[2,1,1,2,1,2,1,1,1] = 877/1092, mop[2,1,1,2,2,1
,1,1,1] = 691/2730, mop[2,1,1,3,1,1,1,1,1] = -2153/910, mop[2,1,2,1,1,1,1,1,2] = -36223/5460, mop[2,1,2,1,1,1,1,2,1] =
1263/364, mop[2,1,2,1,1,1,2,1,1] = 877/1092, mop[2,1,2,1,1,2,1,1,1] = 2879/1092, mop[2,1,2,1,2,1,1,1,1] = 877/1092, mop[2
,1,2,2,1,1,1,1,1] = 493/156, mop[2,1,3,1,1,1,1,1,1] = 877/1092, mop[2,2,1,1,1,1,1,1,2] = -7601/2730, mop[2,2,1,1,1,1,1,2,
1] = 1483/1365, mop[2,2,1,1,1,1,2,1,1] = 691/2730, mop[2,2,1,1,1,2,1,1,1] = 877/1092, mop[2,2,1,1,2,1,1,1,1] = 691/2730,
mop[2,2,1,2,1,1,1,1,1] = 101/130, mop[2,2,2,1,1,1,1,1,1] = 691/2730, mop[2,3,1,1,1,1,1,1,1] = -7627/5460, mop[3,1,1,1,1,1
,1,1,2] = 6437/1365, mop[3,1,1,1,1,1,1,2,1] = -13633/5460, mop[3,1,1,1,1,1,2,1,1] = -264/455, mop[3,1,1,1,1,2,1,1,1] = -\
2035/1092, mop[3,1,1,1,2,1,1,1,1] = -264/455, mop[3,1,1,2,1,1,1,1,1] = -737/390, mop[3,1,2,1,1,1,1,1,1] = -264/455, mop[3
,2,1,1,1,1,1,1,1] = -253/91, mop[4,1,1,1,1,1,1,1,1] = -264/455, mop[1,1,1,1,1,1,1,1,1,3] = -7601/546, mop[1,1,1,1,1,1,1,1
,2,2] = 7601/2730, mop[1,1,1,1,1,1,1,1,3,1] = 9892/1365, mop[1,1,1,1,1,1,1,2,1,2] = 24211/5460, mop[1,1,1,1,1,1,1,2,2,1]
= -2395/546, mop[1,1,1,1,1,1,1,3,1,1] = -877/1092, mop[1,1,1,1,1,1,2,1,1,2] = 7601/2730, mop[1,1,1,1,1,1,2,1,2,1] = -1483
/1365, mop[1,1,1,1,1,1,2,2,1,1] = -691/2730, mop[1,1,1,1,1,1,3,1,1,1] = 19639/5460, mop[1,1,1,1,1,2,1,1,1,2] = 4917/910,
mop[1,1,1,1,1,2,1,1,2,1] = -1343/390, mop[1,1,1,1,1,2,1,2,1,1] = -101/130, mop[1,1,1,1,1,2,2,1,1,1] = -493/156, mop[1,1,1
,1,1,3,1,1,1,1] = -101/130, mop[1,1,1,1,2,1,1,1,1,2] = 7601/2730, mop[1,1,1,1,2,1,1,1,2,1] = -1483/1365, mop[1,1,1,1,2,1,
1,2,1,1] = -691/2730, mop[1,1,1,1,2,1,2,1,1,1] = -877/1092, mop[1,1,1,1,2,2,1,1,1,1] = -691/2730, mop[1,1,1,1,3,1,1,1,1,1
] = 2153/910, mop[1,1,1,2,1,1,1,1,1,2] = 36223/5460, mop[1,1,1,2,1,1,1,1,2,1] = -1263/364, mop[1,1,1,2,1,1,1,2,1,1] = -\
877/1092, mop[1,1,1,2,1,1,2,1,1,1] = -2879/1092, mop[1,1,1,2,1,2,1,1,1,1] = -877/1092, mop[1,1,1,2,2,1,1,1,1,1] = -493/
156, mop[1,1,1,3,1,1,1,1,1,1] = -877/1092, mop[1,1,2,1,1,1,1,1,1,2] = 7601/2730, mop[1,1,2,1,1,1,1,1,2,1] = -1483/1365,
mop[1,1,2,1,1,1,1,2,1,1] = -691/2730, mop[1,1,2,1,1,1,2,1,1,1] = -877/1092, mop[1,1,2,1,1,2,1,1,1,1] = -691/2730, mop[1,1
,2,1,2,1,1,1,1,1] = -101/130, mop[1,1,2,2,1,1,1,1,1,1] = -691/2730, mop[1,1,3,1,1,1,1,1,1,1] = 7627/5460, mop[1,2,1,1,1,1
,1,1,1,2] = 14038/1365, mop[1,2,1,1,1,1,1,1,2,1] = -8499/1820, mop[1,2,1,1,1,1,1,2,1,1] = -1483/1365, mop[1,2,1,1,1,1,2,1
,1,1] = -1263/364, mop[1,2,1,1,1,2,1,1,1,1] = -1483/1365, mop[1,2,1,2,1,1,1,1,1,1] = -1343/390, mop[1,2,2,1,1,1,1,1,1,1]
= -1483/1365, mop[1,2,2,1,1,1,1,1,1,1,1] = -2395/546, mop[1,3,1,1,1,1,1,1,1,1] = -1483/1365, mop[2,1,1,1,1,1,1,1,1,2] =
7601/2730, mop[2,1,1,1,1,1,1,1,2,1] = -1483/1365, mop[2,1,1,1,1,1,1,2,1,1] = -691/2730, mop[2,1,1,1,1,1,2,1,1,1] = -877/
1092, mop[2,1,1,1,1,2,1,1,1,1] = -691/2730, mop[2,1,1,1,2,1,1,1,1,1] = -101/130, mop[2,1,1,2,1,1,1,1,1,1] = -691/2730,
mop[2,1,2,1,1,1,1,1,1,1] = -877/1092, mop[2,2,1,1,1,1,1,1,1,1] = -691/2730, mop[3,1,1,1,1,1,1,1,1,1] = 264/455, mop[1,1,1
,1,1,1,1,1,1,1,2] = -7601/2730, mop[1,1,1,1,1,1,1,1,1,2,1] = 1483/1365, mop[1,1,1,1,1,1,1,1,2,1,1] = 691/2730, mop[1,1,1,
1,1,1,1,2,1,1,1] = 877/1092, mop[1,1,1,1,1,1,2,1,1,1,1] = 691/2730, mop[1,1,1,1,1,2,1,1,1,1,1] = 101/130, mop[1,1,1,1,2,1
,1,1,1,1,1] = 691/2730, mop[1,1,1,2,1,1,1,1,1,1,1] = 877/1092, mop[1,1,2,1,1,1,1,1,1,1,1] = 691/2730, mop[1,2,1,1,1,1,1,1
,1,1,1] = 1483/1365, mop[2,1,1,1,1,1,1,1,1,1,1] = 691/2730, mop[1,1,1,1,1,1,1,1,1,1,1,1] = -691/2730] : ##
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