

```
#####  
#####  
### File "d1_dipilev_to_pilev_via_me_basis";  
#####  
#####  
### 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)!*(1+(-1)^r)/2, 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( 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:  
#####
```

```
semopev2:= [mopev[2] = -1/3, mopev[1,1] = 1/6]: ##
```

```
semopev4:= [mopev[4] = 7/15, mopev[1,3] = -1/10, mopev[2,2] = 1/10, mopev[3,1] = -11/30,  
mopev[1,1,2] = -1/10, mopev[1,2,1] = 1/5, mopev[2,1,1] = 1/30, mopev[1,1,1,1] = -1/30]: ##
```

```
semopev6:=  
[mopev[6] = -31/21, mopev[1,5] = 5/42, mopev[2,4] = -5/21, mopev[3,3] = 31/42, mopev[4,2] = -13/21,  
mopev[5,1] = 19/14, mopev[1,1,4] = 5/21, mopev[1,2,3] = -41/84, mopev[1,3,2] = 31/84, mopev[1,4,1] = -5/14,  
mopev[2,1,3] = -5/21, mopev[2,2,2] = 5/42, mopev[2,3,1] = 19/84, mopev[3,1,2] = 13/21, mopev[3,2,1] = -31/28,  
mopev[4,1,1] = -4/21, mopev[1,1,1,3] = 5/21, mopev[1,1,2,2] = -5/42, mopev[1,1,3,1] = -19/84,  
mopev[1,2,1,2] = -31/84, mopev[1,2,2,1] = 17/28, mopev[1,3,1,1] = 3/28, mopev[2,1,1,2] = -5/42,  
mopev[2,1,2,1] = 3/28, mopev[2,2,1,1] = 1/42, mopev[3,1,1,1] = 4/21, mopev[1,1,1,1,2] = 5/42,  
mopev[1,1,1,2,1] = -3/28, mopev[1,1,2,1,1] = -1/42, mopev[1,2,1,1,1] = -3/28,  
mopev[2,1,1,1,1] = -1/42, mopev[1,1,1,1,1,1] = 1/42]: ##
```

```
semopev8:=  
[mopev[8] = 127/15, mopev[1,7] = -7/30, mopev[2,6] = 7/10, mopev[3,5] = -41/18, mopev[4,4] = 61/18, mopev[5,3] = -557/90,  
mopev[6,2] = 83/18, mopev[7,1] = -247/30, mopev[1,1,6] = -7/10, mopev[1,2,5] = 31/18, mopev[1,3,4] = -41/18, mopev[1,4,3] = 113/45,  
mopev[1,5,2] = -67/45, mopev[1,6,1] = 14/15, mopev[2,1,5] = 7/6, mopev[2,2,4] = -7/6, mopev[2,3,3] = 0, mopev[2,4,2] = 7/15,  
mopev[2,5,1] = -59/45, mopev[3,1,4] = -61/18, mopev[3,2,3] = 247/45, mopev[3,3,2] = -176/45, mopev[3,4,1] = 41/9,  
mopev[4,1,3] = 263/90, mopev[4,2,2] = -121/90, mopev[4,3,1] = -79/30, mopev[5,1,2] = -83/18, mopev[5,2,1] = 691/90,  
mopev[6,1,1] = 121/90, mopev[1,1,1,5] = -7/6, mopev[1,1,2,4] = 7/6, mopev[1,1,3,3] = 0, mopev[1,1,4,2] = -7/15, mopev[1,1,5,1] = 59/45,  
mopev[1,2,1,4] = 41/18, mopev[1,2,2,3] = -289/90, mopev[1,2,3,2] = 197/90, mopev[1,2,4,1] = -26/9, mopev[1,3,1,3] = -163/90,  
mopev[1,3,2,2] = 71/90, mopev[1,3,3,1] = 71/45, mopev[1,4,1,2] = 67/45, mopev[1,4,2,1] = -92/45, mopev[1,5,1,1] = -17/45,  
mopev[2,1,1,4] = 7/6, mopev[2,1,2,3] = -14/15, mopev[2,1,3,2] = 7/15, mopev[2,1,4,1] = -11/9, mopev[2,2,1,3] = -7/10,  
mopev[2,2,2,2] = 7/30, mopev[2,2,3,1] = 47/90, mopev[2,3,1,2] = -7/15, mopev[2,3,2,1] = 113/90, mopev[2,4,1,1] = 1/5,  
mopev[3,1,1,3] = -263/90, mopev[3,1,2,2] = 121/90, mopev[3,1,3,1] = 79/30, mopev[3,2,1,2] = 176/45, mopev[3,2,2,1] = -113/18,  
mopev[3,3,1,1] = -10/9, mopev[4,1,1,2] = 121/90, mopev[4,1,2,1] = -103/90, mopev[4,2,1,1] = -23/90, mopev[5,1,1,1] = -121/90,  
mopev[1,1,1,1,4] = -7/6, mopev[1,1,1,2,3] = 14/15, mopev[1,1,1,3,2] = -7/15, mopev[1,1,1,4,1] = 11/9, mopev[1,1,2,1,3] = 7/10,  
mopev[1,1,2,2,2] = -7/30, mopev[1,1,2,3,1] = -47/90, mopev[1,1,3,1,2] = 7/15, mopev[1,1,3,2,1] = -113/90, mopev[1,1,4,1,1] = -1/5,  
mopev[1,2,1,1,3] = 163/90, mopev[1,2,1,2,2] = -71/90, mopev[1,2,1,3,1] = -71/45, mopev[1,2,2,1,2] = -197/90,  
mopev[1,2,2,2,1] = 31/9, mopev[1,2,3,1,1] = 11/18, mopev[1,3,1,1,2] = -71/90, mopev[1,3,1,2,1] = 29/45, mopev[1,3,2,1,1] = 13/90,  
mopev[1,4,1,1,1] = 17/45, mopev[2,1,1,1,3] = 7/10, mopev[2,1,1,2,2] = -7/30, mopev[2,1,1,3,1] = -47/90, mopev[2,1,2,1,2] = -7/15,  
mopev[2,1,2,2,1] = 11/18, mopev[2,1,3,1,1] = 1/9, mopev[2,2,1,1,2] = -7/30, mopev[2,2,1,2,1] = 13/90, mopev[2,2,2,1,1] = 1/30,  
mopev[2,3,1,1,1] = -1/5, mopev[3,1,1,1,2] = -121/90, mopev[3,1,1,2,1] = 103/90, mopev[3,1,2,1,1] = 23/90,  
mopev[3,2,1,1,1] = 10/9, mopev[4,1,1,1,1] = 23/90, mopev[1,1,1,1,1,3] = -7/10, mopev[1,1,1,1,2,2] = 7/30, mopev[1,1,1,1,3,1] = 47/90,  
mopev[1,1,1,2,1,2] = 7/15, mopev[1,1,1,2,2,1] = -11/18, mopev[1,1,1,3,1,1] = -1/9, mopev[1,1,2,1,1,2] = 7/30, mopev[1,1,2,1,2,1] = -13/90,  
mopev[1,1,2,2,1,1] = -1/30, mopev[1,1,3,1,1,1] = 1/5, mopev[1,2,1,1,1,2] = 71/90, mopev[1,2,1,1,2,1] = -29/45,  
mopev[1,2,1,2,1,1] = -13/90, mopev[1,2,2,1,1,1] = -11/18, mopev[1,3,1,1,1,1] = -13/90, mopev[2,1,1,1,1,2] = 7/30,  
mopev[2,1,1,1,2,1] = -13/90, mopev[2,1,1,2,1,1] = -1/30, mopev[2,1,2,1,1,1] = -1/9, mopev[2,2,1,1,1,1] = -1/30, mopev[3,1,1,1,1,1] = -23/90,  
mopev[1,1,1,1,1,1,2] = -7/30, mopev[1,1,1,1,1,2,1] = 13/90, mopev[1,1,1,1,2,1,1] = 1/30, mopev[1,1,1,2,1,1,1] = 1/9,  
mopev[1,1,2,1,1,1,1] = 1/30, mopev[1,2,1,1,1,1,1] = 13/90, mopev[2,1,1,1,1,1,1] = 1/30, mopev[1,1,1,1,1,1,1,1] = -1/30]: ##
```

```
semopev10:=  
[mopev[10] = -2555/33, mopev[1,9] = 15/22, mopev[2,8] = -30/11, mopev[3,7] = 217/22, mopev[4,6] = -441/22, mopev[5,5] = 2555
```

/66, mopev[6,4] = -3115/66, mopev[7,3] = 4459/66, mopev[8,2] = -1546/33, mopev[9,1] = 5065/66, mopev[1,1,8] = 30/11, mopev[1,2,7] = -357/44, mopev[1,3,6] = 651/44, mopev[1,4,5] = -915/44, mopev[1,5,4] = 885/44, mopev[1,6,3] = -681/44, mopev[1,7,2] = 327/44, mopev[1,8,1] = -75/22, mopev[2,1,7] = -70/11, mopev[2,2,6] = 105/11, mopev[2,3,5] = -155/22, mopev[2,4,4] = 15/11, mopev[2,5,3] = 80/11, mopev[2,6,2] = -75/11, mopev[2,7,1] = 323/44, mopev[3,1,6] = 441/22, mopev[3,2,5] = -1195/33, mopev[3,3,4] = 2785/66, mopev[3,4,3] = -1553/33, mopev[3,5,2] = 952/33, mopev[3,6,1] = -1085/44, mopev[4,1,5] = -595/22, mopev[4,2,4] = 525/22, mopev[4,3,3] = -5/22, mopev[4,4,2] = -97/11, mopev[4,5,1] = 3851/132, mopev[5,1,4] = 3115/66, mopev[5,2,3] = -\ 2147/33, mopev[5,3,2] = 2927/66, mopev[5,4,1] = -7765/132, mopev[6,1,3] = -2413/66, mopev[6,2,2] = 523/33, mopev[6,3,1] = 4181/132, mopev[7,1,2] = 1546/33, mopev[7,2,1] = -9899/132, mopev[8,1,1] = -437/33, mopev[1,1,1,7] = 70/11, mopev[1,1,2,6] = -105/11, mopev[1,1,3,5] = 155/22, mopev[1,1,4,4] = -15/11, mopev[1,1,5,3] = -80/11, mopev[1,1,6,2] = 75/11, mopev[1,1,7,1] = -323/44, mopev[1,2,1,6] = -651/44, mopev[1,2,2,5] = 1025/44, mopev[1,2,3,4] = -1105/44, mopev[1,2,4,3] = 621/22, mopev[1,2,5,2] = -389/22, mopev[1,2,6,1] = 777/44, mopev[1,3,1,5] = 805/44, mopev[1,3,2,4] = -665/44, mopev[1,3,3,3] = 5/22, mopev[1,3,4,2] = 117/22, mopev[1,3,5,1] = -851/44, mopev[1,4,1,4] = -885/44, mopev[1,4,2,3] = 901/44, mopev[1,4,3,2] = -547/44, mopev[1,4,4,1] = 975/44, mopev[1,5,1,3] = 571/44, mopev[1,5,2,2] = -217/44, mopev[1,5,3,1] = -455/44, mopev[1,6,1,2] = -327/44, mopev[1,6,2,1] = 381/44, mopev[1,7,1,1] = 73/44, mopev[2,1,1,6] = -105/11, mopev[2,1,2,5] = 685/66, mopev[2,1,3,4] = -265/33, mopev[2,1,4,3] = 310/33, mopev[2,1,5,2] = -215/33, mopev[2,1,6,1] = 469/44, mopev[2,2,1,5] = 105/11, mopev[2,2,2,4] = -70/11, mopev[2,2,3,3] = 5/22, mopev[2,2,4,2] = 20/11, mopev[2,2,5,1] = -1255/132, mopev[2,3,1,4] = -15/11, mopev[2,3,2,3] = -\ 309/44, mopev[2,3,3,2] = 289/44, mopev[2,3,4,1] = -265/132, mopev[2,4,1,3] = -25/11, mopev[2,4,2,2] = 20/11, mopev[2,4,3,1] = 203/66, mopev[2,5,1,2] = 75/11, mopev[2,5,2,1] = -787/66, mopev[2,6,1,1] = -23/11, mopev[3,1,1,5] = 595/22, mopev[3,1,2,4] = -525/22, mopev[3,1,3,3] = 5/22, mopev[3,1,4,2] = 97/11, mopev[3,1,5,1] = -3851/132, mopev[3,2,1,4] = -2785/66, mopev[3,2,2,3] = 7235/132, mopev[3,2,3,2] = -4831/132, mopev[3,2,4,1] = 6775/132, mopev[3,3,1,3] = 2083/66, mopev[3,3,2,2] = -881/66, mopev[3,3,3,1] = -1777/66, mopev[3,4,1,2] = -952/33, mopev[3,4,2,1] = 2755/66, mopev[3,5,1,1] = 250/33, mopev[4,1,1,4] = -\ 525/22, mopev[4,1,2,3] = 379/22, mopev[4,1,3,2] = -90/11, mopev[4,1,4,1] = 3145/132, mopev[4,2,1,3] = 291/22, mopev[4,2,2,2] = -46/11, mopev[4,2,3,1] = -1255/132, mopev[4,3,1,2] = 97/11, mopev[4,3,2,1] = -3103/132, mopev[4,4,1,1] = -124/33, mopev[5,1,1,3] = 2413/66, mopev[5,1,2,2] = -523/33, mopev[5,1,3,1] = -4181/132, mopev[5,2,1,2] = -2927/66, mopev[5,2,2,1] = 9239/132, mopev[5,3,1,1] = 273/22, mopev[6,1,1,2] = -523/33, mopev[6,1,2,1] = 1715/132, mopev[6,2,1,1] = 32/11, mopev[7,1,1,1] = 437/33, mopev[1,1,1,1,6] = 105/11, mopev[1,1,1,2,5] = -685/66, mopev[1,1,1,3,4] = 265/33, mopev[1,1,1,4,3] = -310/33, mopev[1,1,1,5,2] = 215/33, mopev[1,1,1,6,1] = -469/44, mopev[1,1,2,1,5] = -105/11, mopev[1,1,2,2,4] = 70/11, mopev[1,1,2,3,3] = -5/22, mopev[1,1,2,4,2] = -20/11, mopev[1,1,2,5,1] = 1255/132, mopev[1,1,3,1,4] = 15/11, mopev[1,1,3,2,3] = 309/44, mopev[1,1,3,3,2] = -289/44, mopev[1,1,3,4,1] = 265/132, mopev[1,1,4,1,3] = 25/11, mopev[1,1,4,2,2] = -20/11, mopev[1,1,4,3,1] = -203/66, mopev[1,1,5,1,2] = -75/11, mopev[1,1,5,2,1] = 787/66, mopev[1,1,6,1,1] = 23/11, mopev[1,2,1,1,5] = -805/44, mopev[1,2,1,2,4] = 665/44, mopev[1,2,1,3,3] = -5/22, mopev[1,2,1,4,2] = -117/22, mopev[1,2,1,5,1] = 851/44, mopev[1,2,2,1,4] = 1105/44, mopev[1,2,2,2,3] = -338/11, mopev[1,2,2,3,2] = 222/11, mopev[1,2,2,4,1] = -1305/44, mopev[1,2,3,1,3] = -791/44, mopev[1,2,3,2,2] = 327/44, mopev[1,2,3,3,1] = 166/11, mopev[1,2,4,1,2] = 389/22, mopev[1,2,4,2,1] = -581/22, mopev[1,2,5,1,1] = -313/66, mopev[1,3,1,1,4] = 665/44, mopev[1,3,1,2,3] = -225/22, mopev[1,3,1,3,2] = 103/22, mopev[1,3,1,4,1] = -645/44, mopev[1,3,2,1,3] = -351/44, mopev[1,3,2,2,2] = 107/44, mopev[1,3,2,3,1] = 123/22, mopev[1,3,3,1,2] = -117/22, mopev[1,3,3,2,1] = 155/11, mopev[1,3,4,1,1] = 149/66, mopev[1,4,1,1,3] = -571/44, mopev[1,4,1,2,2] = 217/44, mopev[1,4,1,3,1] = 455/44, mopev[1,4,2,1,2] = 547/44, mopev[1,4,2,2,1] = -821/44, mopev[1,4,3,1,1] = -439/132, mopev[1,5,1,1,2] = 217/44, mopev[1,5,1,2,1] = -161/44, mopev[1,5,2,1,1] = -109/132, mopev[1,6,1,1,1] = -73/44, mopev[2,1,1,1,5] = -105/11, mopev[2,1,1,2,4] = 70/11, mopev[2,1,1,3,3] = -5/22, mopev[2,1,1,4,2] = -20/11, mopev[2,1,1,5,1] = 1255/132, mopev[2,1,2,1,4] = 265/33, mopev[2,1,2,2,3] = -877/132, mopev[2,1,2,3,2] = 497/132, mopev[2,1,2,4,1] = -1055/132, mopev[2,1,3,1,3] = -145/33, mopev[2,1,3,2,2] = 50/33, mopev[2,1,3,3,1] = 215/66, mopev[2,1,4,1,2] = 215/33, mopev[2,1,4,2,1] = -731/66, mopev[2,1,5,1,1] = -21/11, mopev[2,2,1,1,4] = 70/11, mopev[2,2,1,2,3] = -71/22, mopev[2,2,1,3,2] = 13/11, mopev[2,2,1,4,1] = -725/132, mopev[2,2,2,1,3] = -30/11, mopev[2,2,2,2,2] = 15/22, mopev[2,2,2,3,1] = 221/132, mopev[2,2,3,1,2] = -20/11, mopev[2,2,3,2,1] = 617/132, mopev[2,2,4,1,1] = 25/33, mopev[2,3,1,1,3] = 25/11, mopev[2,3,1,2,2] = -20/11, mopev[2,3,1,3,1] = -203/66, mopev[2,3,2,1,2] = -289/44, mopev[2,3,2,2,1] = 377/33, mopev[2,3,3,1,1] = 265/132, mopev[2,4,1,1,2] = -20/11, mopev[2,4,1,2,1] = 127/66, mopev[2,4,2,1,1] = 14/33, mopev[2,5,1,1,1] = 23/11, mopev[3,1,1,1,4] = 525/22, mopev[3,1,1,2,3] = -379/22, mopev[3,1,1,3,2] = 90/11, mopev[3,1,1,4,1] = -3145/132, mopev[3,1,2,1,3] = -291/22, mopev[3,1,2,2,2] = 46/11, mopev[3,1,2,3,1] = 1255/132, mopev[3,1,3,1,2] = -97/11, mopev[3,1,3,2,1] = 3103/132, mopev[3,1,4,1,1] = 124/33, mopev[3,2,1,1,3] = -2083/66, mopev[3,2,1,2,2] = 881/66, mopev[3,2,1,3,1] = 1777/66, mopev[3,2,2,1,2] = 4831/132, mopev[3,2,2,2,1] = -1889/33, mopev[3,2,3,1,1] = -447/44, mopev[3,3,1,1,2] = 881/66, mopev[3,3,1,2,1] = -709/66, mopev[3,3,2,1,1] = -53/22, mopev[3,4,1,1,1] = -250/33, mopev[4,1,1,1,3] = -291/22, mopev[4,1,1,2,2] = 46/11, mopev[4,1,1,3,1] = 1255/132, mopev[4,1,2,1,2] = 90/11, mopev[4,1,2,2,1] = -1385/132, mopev[4,1,3,1,1] = -\ 21/11, mopev[4,2,1,1,2] = 46/11, mopev[4,2,1,2,1] = -329/132, mopev[4,2,2,1,1] = -19/33, mopev[4,3,1,1,1] = 124/33, mopev[5,1,1,1,2] = 523/33, mopev[5,1,1,2,1] = -1715/132, mopev[5,1,2,1,1] = -32/11, mopev[5,2,1,1,1] = -273/22, mopev[6,1,1,1,1] = -\ 32/11, mopev[1,1,1,1,1,5] = 105/11, mopev[1,1,1,1,2,4] = -70/11, mopev[1,1,1,1,3,3] = 5/22, mopev[1,1,1,1,4,2] = 20/11, mopev[1,1,1,1,5,1] = -1255/132, mopev[1,1,2,1,4] = -265/33, mopev[1,1,1,2,2,3] = 877/132, mopev[1,1,1,2,3,2] = -497/132, mopev[1,1,1,2,4,1] = 1055/132, mopev[1,1,1,3,1,3] = 145/33, mopev[1,1,1,3,2,2] = -50/33, mopev[1,1,1,3,3,1] = -215/66, mopev[1,1,1,4,1,2] = -215/33, mopev[1,1,1,4,2,1] = 731/66, mopev[1,1,1,5,1,1] = 21/11, mopev[1,1,2,1,1,4] = -70/11, mopev[1,1,2,1,2,3] = 71/22, mopev[1,1,2,1,3,2] = -13/11, mopev[1,1,2,1,4,1] = 725/132, mopev[1,1,2,2,1,3] = 30/11, mopev[1,1,2,2,2,2] = -\ 15/22, mopev[1,1,2,2,3,1] = -221/132, mopev[1,1,2,3,1,2] = 20/11, mopev[1,1,2,3,2,1] = -617/132, mopev[1,1,2,4,1,1] = -25/33, mopev[1,1,3,1,1,3] = -25/11, mopev[1,1,3,1,2,2] = 20/11, mopev[1,1,3,1,3,1] = 203/66, mopev[1,1,3,2,1,2] = 289/44, mopev[1,1,3,2,2,1] = -377/33, mopev[1,1,3,3,1,1] = -265/132, mopev[1,1,4,1,1,2] = 20/11, mopev[1,1,4,1,2,1] = -127/66, mopev[1,1,4,2,1,1] = -14/33, mopev[1,1,5,1,1,1] = -23/11, mopev[1,2,1,1,1,4] = -665/44, mopev[1,2,1,1,2,3] = 225/22, mopev[1,2,1,1,3,2] = -103/22, mopev[1,2,1,1,4,1] = 645/44, mopev[1,2,1,2,1,3] = 351/44, mopev[1,2,1,2,2,2] = -107/44, mopev[1,2,1,3,1,1] = -123/22, mopev[1,2,1,3,1,2] = 117/22, mopev[1,2,1,3,2,1] = -155/11, mopev[1,2,1,4,1,1] = -149/66, mopev[1,2,2,1,1,3] = 791/44, mopev[1,2,2,1,2,2] = -327/44, mopev[1,2,2,1,3,1] = -166/11, mopev[1,2,2,2,1,2] = -222/11, mopev[1,2,2,2,2,1] = 691/22, mopev[1,2,2,3,1,1] = 184/33, mopev[1,2,3,1,1,2] = -327/44, mopev[1,2,3,1,2,1] = 65/11, mopev[1,2,3,2,1,1] = 175/132, mopev[1,2,4,1,1,1] = 313/66, mopev[1,3,1,1,1,3] = 351/44, mopev[1,3,1,1,2,2] = -107/44, mopev[1,3,1,1,3,1] = -123/22, mopev[1,3,1,2,1,2] = -103/22, mopev[1,3,1,2,2,1] = 65/11, mopev[1,3,1,3,1,1] = 71/66, mopev[1,3,2,1,1,2] = -107/44, mopev[1,3,2,1,2,1] = 31/22, mopev[1,3,2,2,1,1] = 43/132, mopev[1,3,3,1,1,1] = -149/66, mopev[1,4,1,1,1,2] = -217/44, mopev[1,4,1,1,2,1] = 161/44, mopev[1,4,1,2,1,1] = 109/132, mopev[1,4,2,1,1,1] = 439/132, mopev[1,5,1,1,1,1] = 109/132, mopev[2,1,1,1,1,4] = -70/11, mopev[2,1,1,1,2,3] = 71/22, mopev[2,1,1,1,3,2] = -13/11, mopev[2,1,1,1,4,1] = 725/132, mopev[2,1,1,2,1,3] = 30/11, mopev[2,1,1,2,2,2] = -15/22, mopev[2,1,1,2,3,1] = -221/132, mopev[2,1,1,3,1,2] = 20/11, mopev[2,1,1,3,2,1] = -617/132, mopev[2,1,1,4,1,1] = -25/33, mopev[2,1,2,1,1,3] = 145/33, mopev[2,1,2,1,2,2] = -50/33, mopev[2,1,2,1,3,1] = -215/66, mopev[2,1,2,2,1,2] = -497/132, mopev[2,1,2,2,2,1] = 184/33, mopev[2,1,2,3,1,1] = 131/132, mopev[2,1,3,1,1,2] = -50/33, mopev[2,1,3,1,2,1] = 71/66, mopev[2,1,3,2,1,1] = 8/33, mopev[2,1,4,1,1,1] = 21/11, mopev[2,2,1,1,1,3] = 30/11, mopev[2,2,1,1,2,2] = -15/22, mopev[2,2,1,1,3,1] = -221/132, mopev[2,2,1,2,1,2] = -13/11, mopev[2,2,1,2,2,1] = 175/132, mopev[2,2,1,3,1,1] = 8/33, mopev[2,2,2,1,1,2] = -15/22, mopev[2,2,2,1,2,1] = 43/132, mopev[2,2,2,2,1,1] = 5/66, mopev[2,2,3,1,1,1] = -25/33, mopev[2,3,1,1,1,2] = 20/11, mopev[2,3,1,1,2,1] = -127/66, mopev[2,3,1,2,1,1] = -14/33, mopev[2,3,2,1,1,1] = -265/132, mopev[2,4,1,1,1,1] = -14/33, mopev[3,1,1,1,1,1] = 291/22, mopev[3,1,1,1,2,2] = -46/11, mopev[3,1,1,1,3,1] = -1255/132, mopev[3,1,1,2,1,2] = -90/11, mopev[3,1,1,2,2,1] =

1385/132, mopev[3,1,1,3,1,1] = 21/11, mopev[3,1,2,1,1,2] = -46/11, mopev[3,1,2,1,2,1] = 329/132, mopev[3,1,2,2,1,1] = 19/33, mopev[3,1,3,1,1,1] = -124/33, mopev[3,2,1,1,1,2] = -881/66, mopev[3,2,1,1,2,1] = 709/66, mopev[3,2,1,2,1,1] = 53/22, mopev[3,2,2,1,1,1] = 447/44, mopev[3,3,1,1,1,1] = 53/22, mopev[4,1,1,1,1,2] = -46/11, mopev[4,1,1,2,1,1] = 329/132, mopev[4,1,2,1,1,1] = 19/33, mopev[4,1,2,1,1,1] = 21/11, mopev[4,2,1,1,1,1] = 19/33, mopev[5,1,1,1,1,1] = 32/11, mopev[1,1,1,1,1,1,4] = 70/11, mopev[1,1,1,1,1,2,3] = -71/22, mopev[1,1,1,1,1,3,2] = 13/11, mopev[1,1,1,1,1,4,1] = -725/132, mopev[1,1,1,1,2,1,3] = -30/11, mopev[1,1,1,1,2,2,2] = 15/22, mopev[1,1,1,1,2,3,1] = 221/132, mopev[1,1,1,1,3,1,2] = -20/11, mopev[1,1,1,1,3,2,1] = 617/132, mopev[1,1,1,1,4,1,1] = 25/33, mopev[1,1,2,1,1,1,3] = -145/33, mopev[1,1,2,1,2,2] = 50/33, mopev[1,1,2,1,3,1] = 215/66, mopev[1,1,2,2,1,2] = 497/132, mopev[1,1,2,2,2,1] = -184/33, mopev[1,1,2,3,1,1] = -131/132, mopev[1,1,3,1,1,2] = 50/33, mopev[1,1,3,1,2,1] = -71/66, mopev[1,1,3,2,1,1] = -8/33, mopev[1,1,4,1,1,1] = -21/11, mopev[1,1,2,1,1,3] = -\ 30/11, mopev[1,1,2,1,2,2] = 15/22, mopev[1,1,2,1,3,1] = 221/132, mopev[1,1,2,1,2,1,2] = 13/11, mopev[1,1,2,1,2,2,1] = -\ 175/132, mopev[1,1,2,1,3,1,1] = -8/33, mopev[1,1,2,2,1,1,2] = 15/22, mopev[1,1,2,2,1,2,1] = -43/132, mopev[1,1,2,2,2,1,1] = -5/66, mopev[1,1,2,3,1,1,1] = 25/33, mopev[1,1,3,1,1,1,2] = -20/11, mopev[1,1,3,1,2,1] = 127/66, mopev[1,1,3,1,2,1,1] = 14/33, mopev[1,1,3,2,1,1,1] = 265/132, mopev[1,1,4,1,1,1,1] = 14/33, mopev[1,2,1,1,1,1,3] = -351/44, mopev[1,2,1,1,1,2,2] = 107/44, mopev[1,2,1,1,1,3,1] = 123/22, mopev[1,2,1,2,1,2] = 103/22, mopev[1,2,1,2,2,1] = -65/11, mopev[1,2,1,3,1,1] = -71/66, mopev[1,2,1,2,1,1,2] = 107/44, mopev[1,2,1,2,1,2,1] = -31/22, mopev[1,2,1,2,2,1,1] = -43/132, mopev[1,2,1,3,1,1,1] = 149/66, mopev[1,2,2,1,1,1,2] = 327/44, mopev[1,2,2,1,1,2,1] = -65/11, mopev[1,2,2,1,2,1,1] = -175/132, mopev[1,2,2,2,1,1,1] = -184/33, mopev[1,2,3,1,1,1,1] = -175/132, mopev[1,3,1,1,1,1,2] = 107/44, mopev[1,3,1,1,2,1,1] = -31/22, mopev[1,3,1,1,2,1,1] = -43/132, mopev[1,3,2,1,1,1,1] = -71/66, mopev[1,3,2,1,1,1,1,1] = -43/132, mopev[1,4,1,1,1,1,1] = -109/132, mopev[1,1,1,1,1,1,1,1,3] = -30/11, mopev[2,1,1,1,1,2,2] = 15/22, mopev[2,1,1,1,1,3,1] = 221/132, mopev[2,1,1,1,2,1,2] = 13/11, mopev[2,1,1,1,2,2,1] = -175/132, mopev[2,1,1,1,3,1,1] = -8/33, mopev[2,1,2,1,1,1,2] = 15/22, mopev[2,1,2,1,2,1,1] = -43/132, mopev[2,1,1,2,1,1,1] = -5/66, mopev[2,1,1,3,1,1,1] = 25/33, mopev[2,1,2,1,1,1,2] = 50/33, mopev[2,1,2,1,1,2,1] = -71/66, mopev[2,1,2,1,2,1,1] = -8/33, mopev[2,1,2,2,1,1,1,1] = -131/132, mopev[2,1,3,1,1,1,1,1] = -8/33, mopev[2,2,1,1,1,1,2] = 15/22, mopev[2,2,1,1,2,1,1] = -43/132, mopev[2,2,1,1,2,1,1,1] = -5/66, mopev[2,2,2,1,1,1,1] = -8/33, mopev[2,2,2,1,1,1,1,1] = -5/66, mopev[2,3,1,1,1,1,1] = 14/33, mopev[3,1,1,1,1,1,2] = 46/11, mopev[3,1,1,1,1,2,1] = -329/132, mopev[3,1,1,1,2,1,1] = -19/33, mopev[3,1,1,2,1,1,1] = -21/11, mopev[3,1,2,1,1,1,1] = -19/33, mopev[3,2,1,1,1,1,1,1] = -53/22, mopev[4,1,1,1,1,1,1] = -19/33, mopev[1,1,1,1,1,1,1,3] = 30/11, mopev[1,1,1,1,1,1,2,2] = -15/22, mopev[1,1,1,1,1,1,3,1] = -221/132, mopev[1,1,1,1,2,1,2] = -13/11, mopev[1,1,1,1,2,2,1] = 175/132, mopev[1,1,1,1,3,1,1] = 8/33, mopev[1,1,1,2,1,1,2] = -15/22, mopev[1,1,1,2,2,1,1] = 43/132, mopev[1,1,1,2,2,1,1,1] = 5/66, mopev[1,1,1,3,1,1,1,1] = -25/33, mopev[1,1,2,1,1,1,2] = -50/33, mopev[1,1,2,1,1,2,1] = 71/66, mopev[1,1,2,2,1,1,1] = 8/33, mopev[1,1,2,2,1,1,1,1] = 131/132, mopev[1,1,3,1,1,1,1] = 8/33, mopev[1,1,2,1,1,1,1,2] = -15/22, mopev[1,1,2,1,1,1,2,1] = 43/132, mopev[1,1,2,1,1,2,1,1] = 5/66, mopev[1,1,2,1,2,1,1,1] = 8/33, mopev[1,1,2,2,1,1,1,1] = 5/66, mopev[1,1,3,1,1,1,1,1] = -14/33, mopev[1,2,1,1,1,1,1,2] = -107/44, mopev[1,2,1,1,1,1,2,1] = 31/22, mopev[1,2,1,1,1,2,1,1] = 43/132, mopev[1,2,1,1,2,1,1,1] = 71/66, mopev[1,2,1,1,1,1,1,1,2] = -15/22, mopev[1,2,1,1,1,1,1,1,1] = 43/132, mopev[1,2,2,1,1,1,1,1] = 175/132, mopev[1,3,1,1,1,1,1,1] = 43/132, mopev[2,1,1,1,1,1,1,1,2] = 5/66, mopev[2,1,1,1,2,1,1,1,1] = 8/33, mopev[2,1,1,2,1,1,1,1,1] = 5/66, mopev[2,1,2,1,1,1,1,1,1] = 8/33, mopev[2,2,1,1,1,1,1,1,1] = 5/66, mopev[3,1,1,1,1,1,1,1] = 19/33, mopev[1,1,1,1,1,1,1,1,2] = 15/22, mopev[1,1,1,1,1,1,1,2,1] = -43/132, mopev[1,1,1,1,1,2,1,1] = -5/66, mopev[1,1,1,1,1,2,1,1,1] = -8/33, mopev[1,1,1,1,2,1,1,1,1] = -8/33, mopev[1,1,2,1,1,1,1,1,1] = -5/66, mopev[1,2,1,1,1,1,1,1,1] = -43/132, mopev[2,1,1,1,1,1,1,1,1] = -5/66, mopev[1,1,1,1,1,1,1,1,1,1] = 5/66 : ##

semopev12:=

[mopev[12] = 1414477/1365, mopev[1,11] = -7601/2730, mopev[2,10] = 7601/546, mopev[3,9] = -10331/182, mopev[4,8] = 13061/91, mopev[5,7] = -40409/130, mopev[6,6] = 63523/130, mopev[7,5] = -396073/546, mopev[8,4] = 30265/39, mopev[9,3] = -2673989/2730, mopev[10,2] = 1783141/2730, mopev[11,1] = -940451/910, mopev[1,1,10] = -7601/546, mopev[1,2,9] = 4483/91, mopev[1,3,8] = -\ 10331/91, mopev[1,4,7] = 51607/260, mopev[1,5,6] = -66713/260, mopev[1,6,5] = 283235/1092, mopev[1,7,4] = -213709/1092, mopev[1,8,3] = 317531/2730, mopev[1,9,2] = -18127/390, mopev[1,10,1] = 7601/455, mopev[2,1,9] = 7601/182, mopev[2,2,8] = -\ 7601/91, mopev[2,3,7] = 27401/260, mopev[2,4,6] = -4279/52, mopev[2,5,5] = -451/1092, mopev[2,6,4] = 74657/1092, mopev[2,7,3] = -147092/1365, mopev[2,8,2] = 38005/546, mopev[2,9,1] = -26309/546, mopev[3,1,8] = -13061/91, mopev[3,2,7] = 15563/52, mopev[3,3,6] = -118037/260, mopev[3,4,5] = 91489/156, mopev[3,5,4] = -607037/1092, mopev[3,6,3] = 433253/910, mopev[3,7,2] = -115604/455, mopev[3,8,1] = 30993/182, mopev[4,1,7] = 16701/65, mopev[4,2,6] = -21251/65, mopev[4,3,5] = 61543/273, mopev[4,4,4] = -24883/546, mopev[4,5,3] = -11961/52, mopev[4,6,2] = 396871/1820, mopev[4,7,1] = -524371/1820, mopev[5,1,6] = -63523/130, mopev[5,2,5] = 129641/182, mopev[5,3,4] = -68235/91, mopev[5,4,3] = 4589363/5460, mopev[5,5,2] = -2879167/5460, mopev[5,6,1] = 147531/260, mopev[6,1,5] = 102471/182, mopev[6,2,4] = -41065/91, mopev[6,3,3] = 40247/5460, mopev[6,4,2] = 854849/5460, mopev[6,5,1] = -1065847/1820, mopev[7,1,4] = -30265/39, mopev[7,2,3] = 1056983/1092, mopev[7,3,2] = -3503219/5460, mopev[7,4,1] = 335285/364, mopev[8,1,3] = 764923/1365, mopev[8,2,2] = -319499/1365, mopev[8,3,1] = -215323/455, mopev[9,1,2] = -1783141/2730, mopev[9,2,1] = 466813/455, mopev[10,1,1] = 496303/2730, mopev[1,1,1,9] = -7601/182, mopev[1,1,2,8] = 7601/91, mopev[1,1,3,7] = -27401/260, mopev[1,1,4,6] = 4279/52, mopev[1,1,5,5] = 451/1092, mopev[1,1,6,4] = -74657/1092, mopev[1,1,7,3] = 147092/1365, mopev[1,1,8,2] = -38005/546, mopev[1,1,9,1] = 26309/546, mopev[1,2,1,8] = 10331/91, mopev[1,2,2,7] = -\ 5461/26, mopev[1,2,3,6] = 37861/130, mopev[1,2,4,5] = -13951/39, mopev[1,2,5,4] = 91358/273, mopev[1,2,6,3] = -556651/1820, mopev[1,2,7,2] = 313631/1820, mopev[1,2,8,1] = -12084/91, mopev[1,3,1,7] = -12151/65, mopev[1,3,2,6] = 14426/65, mopev[1,3,3,5] = -80771/546, mopev[1,3,4,4] = 16693/546, mopev[1,3,5,3] = 7801/52, mopev[1,3,6,2] = -260371/1820, mopev[1,3,7,1] = 188703/910, mopev[1,4,1,6] = 66713/260, mopev[1,4,2,5] = -103945/364, mopev[1,4,3,4] = 90303/364, mopev[1,4,4,3] = -1536677/5460, mopev[1,4,5,2] = 1012393/5460, mopev[1,4,6,1] = -36501/130, mopev[1,5,1,5] = -89645/364, mopev[1,5,2,4] = 61703/364, mopev[1,5,3,3] = -26597/5460, mopev[1,5,4,2] = -283187/5460, mopev[1,5,5,1] = 221203/910, mopev[1,6,1,4] = 213709/1092, mopev[1,6,2,3] = -824251/5460, mopev[1,6,3,2] = 63281/780, mopev[1,6,4,1] = -34763/182, mopev[1,7,1,3] = -571999/5460, mopev[1,7,2,2] = 5449/156, mopev[1,7,3,1] = 69519/910, mopev[1,8,1,2] = 18127/390, mopev[1,8,2,1] = -21251/455, mopev[1,9,1,1] = -8377/910, mopev[2,1,1,8] = 7601/91, mopev[2,1,2,7] = -6281/52, mopev[2,1,3,6] = 33407/260, mopev[2,1,4,5] = -20119/156, mopev[2,1,5,4] = 123827/1092, mopev[2,1,6,3] = -61699/455, mopev[2,1,7,2] = 82423/910, mopev[2,1,8,1] = -17343/182, mopev[2,2,1,7] = -7601/65, mopev[2,2,2,6] = 7601/65, mopev[2,2,3,5] = -19228/273, mopev[2,2,4,4] = 8503/546, mopev[2,2,5,3] = 3641/52, mopev[2,2,6,2] = -123871/1820, mopev[2,2,7,1] = 230441/1820, mopev[2,3,1,6] = 4279/52, mopev[2,3,2,5] = -979/1092, mopev[2,3,3,4] = -71797/1092, mopev[2,3,4,3] = 128293/1820, mopev[2,3,5,2] = -61237/1820, mopev[2,3,6,1] = -18493/260, mopev[2,4,1,5] = -9383/364, mopev[2,4,2,4] = -5819/364, mopev[2,4,3,3] = -12947/5460, mopev[2,4,4,2] = 15653/1092, mopev[2,4,5,1] = 9497/1092, mopev[2,5,1,4] = -74657/1092, mopev[2,5,2,3] = 753533/5460, mopev[2,5,3,2] = -109043/1092, mopev[2,5,4,1] = 118229/1092, mopev[2,6,1,3] = 399179/5460, mopev[2,6,2,2] = -190861/5460, mopev[2,6,3,1] = -373273/5460, mopev[2,7,1,2] = -\ 38005/546, mopev[2,7,2,1] = 108037/1092, mopev[2,8,1,1] = 9929/546, mopev[3,1,1,7] = -16701/65, mopev[3,1,2,6] = 21251/65, mopev[3,1,3,5] = -61543/273, mopev[3,1,4,4] = 24883/546, mopev[3,1,5,3] = 11961/52, mopev[3,1,6,2] = -396871/1820, mopev[3,1,7,1] = 524371/1820, mopev[3,2,1,6] = 118037/260, mopev[3,2,2,5] = -228251/364, mopev[3,2,3,4] = 231899/364, mopev[3,2,4,3] = -782137/1092, mopev[3,2,5,2] = 495353/1092, mopev[3,2,6,1] = -135519/260, mopev[3,3,1,5] = -183921/364, mopev[3,3,2,4] = 143239/364, mopev[3,3,3,3] = -40247/5460, mopev[3,3,4,2] = -28723/5460, mopev[3,3,5,1] = 947729/1820, mopev[3,4,1,4] = 607037/1092, mopev[3,4,2,3] = -107171/1820, mopev[3,4,3,2] = 667621/1820, mopev[3,4,4,1] = -224603/364, mopev[3,5,1,3] = -\ 661301/1820, mopev[3,5,2,2] = 257211/1820, mopev[3,5,3,1] = 320093/1092, mopev[3,6,1,2] = 115604/455, mopev[3,6,2,1] = -\

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mopev[1,3,1,1,4,2] = -157061/5460, mopev[1,3,1,1,5,1] = 81072/455, mopev[1,3,1,2,1,4] = 24631/182, mopev[1,3,1,2,2,3] = -135671/1365, mopev[1,3,1,2,3,2] = 73669/1365, mopev[1,3,1,2,4,1] = -3291/26, mopev[1,3,1,3,1,3] = -36851/546, mopev[1,3,1,3,2,2] = 60251/2730, mopev[1,3,1,3,3,1] = 9371/195, mopev[1,3,1,4,1,2] = 609991/5460, mopev[1,3,1,4,2,1] = -5059/26, mopev[1,3,1,5,1,1] = -1733/52, mopev[1,3,2,1,1,4] = 20341/182, mopev[1,3,2,1,2,3] = -278849/5460, mopev[1,3,2,1,3,2] = 95191/5460, mopev[1,3,2,1,4,1] = -8301/91, mopev[1,3,2,2,1,3] = -23981/546, mopev[1,3,2,2,2,2] = 14038/1365, mopev[1,3,2,2,3,1] = 140123/5460, mopev[1,3,2,3,1,2] = -157061/5460, mopev[1,3,2,3,2,1] = 133643/1820, mopev[1,3,2,4,1,1] = 21713/1820, mopev[1,3,3,1,1,3] = 969/26, mopev[1,3,3,1,2,2] = -27583/910, mopev[1,3,3,1,3,1] = -70253/1365, mopev[1,3,3,2,1,2] = -49327/455, mopev[1,3,3,2,2,1] = 17114/91, mopev[1,3,3,3,1,1] = 3009/91, mopev[1,3,4,1,1,2] = -27583/910, mopev[1,3,4,1,2,1] = 14499/455, mopev[1,3,4,2,1,1] = 19199/2730, mopev[1,3,5,1,1,1] = 81201/1820, mopev[1,4,1,1,1,4] = 61703/364, mopev[1,4,1,1,2,3] = -531101/5460, mopev[1,4,1,1,3,2] = 221317/5460, mopev[1,4,1,1,4,1] = -27613/182, mopev[1,4,1,2,1,3] = -428999/5460, mopev[1,4,1,2,2,2] = 23843/1092, mopev[1,4,1,2,3,1] = 70316/1365, mopev[1,4,1,3,1,2] = -283187/5460, mopev[1,4,1,3,2,1] = 61689/455, mopev[1,4,1,4,1,1] = 39731/1820, mopev[1,4,2,1,1,3] = -857999/5460, mopev[1,4,2,1,2,2] = 66743/1092, mopev[1,4,2,1,3,1] = 49201/390, mopev[1,4,2,2,1,2] = 886267/5460, mopev[1,4,2,2,2,1] = -6489/26, mopev[1,4,2,3,1,1] = -2305/52, mopev[1,4,3,1,1,2] = 66743/1092, mopev[1,4,3,1,2,1] = -6133/130, mopev[1,4,3,2,1,1] = -8263/780, mopev[1,4,4,1,1,1] = -13527/260, mopev[1,5,1,1,1,3] = -428999/5460, mopev[1,5,1,1,2,2] = 23843/1092, mopev[1,5,1,1,3,1] = 70316/1365, mopev[1,5,1,2,1,2] = 221317/5460, mopev[1,5,1,2,2,1] = -4479/91, mopev[1,5,1,3,1,1] = -3265/364, mopev[1,5,2,1,1,2] = 23843/1092, mopev[1,5,2,1,2,1] = -5378/455, mopev[1,5,2,2,1,1] = 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mopev[1,1,1,1,2,1,5] = 7601/91, mopev[1,1,1,1,2,2,4] = -7601/182, mopev[1,1,1,1,2,3,3] = 12947/5460, mopev[1,1,1,1,2,4,2] = 47861/5460, mopev[1,1,1,1,2,5,1] = -401839/5460, mopev[1,1,1,1,3,1,4] = -8503/546, mopev[1,1,1,1,3,2,3] = -9911/260, mopev[1,1,1,1,3,3,2] = 65813/1820, mopev[1,1,1,1,3,4,1] = -9263/1092, mopev[1,1,1,1,4,1,3] = -319/26, mopev[1,1,1,1,4,2,2] = 9383/910, mopev[1,1,1,1,4,3,1] = 16047/910, mopev[1,1,1,1,5,1,2] = 123871/1820, mopev[1,1,1,1,5,2,1] = -172262/1365, mopev[1,1,1,1,6,1,1] = -39341/1820, mopev[1,1,1,2,1,1,5] = 37411/364, mopev[1,1,1,2,1,2,4] = -22209/364, mopev[1,1,1,2,1,3,3] = 12947/5460, mopev[1,1,1,2,1,4,2] = 89903/5460, mopev[1,1,1,2,1,5,1] = -173319/1820, mopev[1,1,1,2,2,1,4] = -30789/364, mopev[1,1,1,2,2,2,3] = 216469/2730, mopev[1,1,1,2,2,3,2] = -132869/2730, mopev[1,1,1,2,2,4,1] = 4489/52, mopev[1,1,1,2,3,1,3] = 267773/5460, mopev[1,1,1,2,3,2,2] = -100573/5460, mopev[1,1,1,2,3,3,1] = -1492/39, mopev[1,1,1,2,4,1,2] = -70565/1092, mopev[1,1,1,2,4,2,1] = 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-11993/1092, movep[1,1,2,4,1,1,2] = 9383/910, movep[1,1,2,4,1,2,1] = -29209/2730, movep[1,1,2,4,2,1,1] = -2153/910, movep[1,1,2,5,1,1,1] = -39341/1820, movep[1,1,3,1,1,1,4] = 5819/364, movep[1,1,3,1,1,2,3] = -167233/5460, movep[1,1,3,1,1,3,2] = 20383/1092, movep[1,1,3,1,1,4,1] = -32429/1092, movep[1,1,3,1,2,1,3] = -113179/5460, movep[1,1,3,1,2,2,2] = 47861/5460, movep[1,1,3,1,2,3,1] = 101573/5460, movep[1,1,3,1,3,1,2] = -15653/1092, movep[1,1,3,1,3,2,1] = 43829/1092, movep[1,1,3,1,4,1,1] = 6883/1092, movep[1,1,3,2,1,1,3] = -128293/1820, movep[1,1,3,2,1,2,2] = 61237/1820, movep[1,1,3,2,1,3,1] = 4282/65, movep[1,1,3,2,1,2] = 17435/182, movep[1,1,3,2,2,2,1] = -11915/78, movep[1,1,3,2,3,1,1] = -2113/78, movep[1,1,3,3,1,1,2] = 61237/1820, movep[1,1,3,3,1,2,1] = -5549/195, movep[1,1,3,3,2,1,1] = -1657/260, movep[1,1,3,4,1,1,1] = -1657/260, movep[1,1,4,1,1,1,3] = -113179/5460, movep[1,1,4,1,1,2,2] = 47861/5460, movep[1,1,4,1,1,3,1] = 101573/5460, movep[1,1,4,1,2,1,2] = 20383/1092, movep[1,1,4,1,2,2,1] = -28243/1092, movep[1,1,4,1,3,1,1] = -5129/1092, movep[1,1,4,2,1,1,2] = 47861/5460, movep[1,1,4,2,1,2,1] = -33107/5460, movep[1,1,4,2,2,1,1] = -7627/5460, movep[1,1,4,3,1,1,1] = 6883/1092, movep[1,1,5,1,1,1,2] = 190861/5460, movep[1,1,5,1,1,2,1] = -161807/5460, movep[1,1,5,1,2,1,1] = -36227/5460, movep[1,1,5,2,1,1,1] = -30869/1092, movep[1,1,6,1,1,1,1] = -36227/5460, movep[1,2,1,1,1,1,5] = 17156/91, movep[1,2,1,1,1,2,4] = -20341/182, movep[1,2,1,1,1,3,3] = 26597/5460, movep[1,2,1,1,1,4,2] = 157061/5460, movep[1,2,1,1,1,5,1] = -81072/455, movep[1,2,1,1,2,1,4] = -24631/182, movep[1,2,1,1,2,2,3] = 135671/1365, movep[1,2,1,1,2,3,2] = -73669/1365, movep[1,2,1,1,2,4,1] = 3291/26, movep[1,2,1,1,3,1,3] = 36851/546, movep[1,2,1,1,3,2,2] = -60251/2730, movep[1,2,1,1,3,3,1] = -9371/195, movep[1,2,1,1,4,1,2] = -609991/5460, movep[1,2,1,1,4,2,1] = 5059/26, movep[1,2,1,1,5,1,1] = 1733/52, movep[1,2,1,2,1,1,4] = -20341/182, movep[1,2,1,2,1,2,3] = 278849/5460, movep[1,2,1,2,1,3,2] = -95191/5460, movep[1,2,1,2,1,4,1] = 8301/91, movep[1,2,1,2,2,1,3] = 23981/546, movep[1,2,1,2,2,2,2] = -14038/1365, movep[1,2,1,2,2,3,1] = -140123/5460, movep[1,2,1,2,3,1,2] = 157061/5460, movep[1,2,1,2,3,2,1] = -133643/1820, movep[1,2,1,2,4,1,1] = -21713/1820, movep[1,2,1,3,1,1,3] = -969/26, movep[1,2,1,3,1,2,2] = 27583/910, movep[1,2,1,3,1,3,1] = 70253/1365, movep[1,2,1,3,2,1,2] = 49327/455, movep[1,2,1,3,2,2,1] = -17114/91, movep[1,2,1,3,3,1,1] = -3009/91, movep[1,2,1,4,1,1,2] = 27583/910, movep[1,2,1,4,1,2,1] = -14499/455, movep[1,2,1,4,2,1,1] = -19199/2730, movep[1,2,1,5,1,1,1] = -81201/1820, movep[1,2,2,1,1,1,4] = -20681/91, movep[1,2,2,1,1,2,3] = 783353/5460, movep[1,2,2,1,1,3,2] = -347443/5460, movep[1,2,2,1,1,4,1] = 19312/91, movep[1,2,2,1,2,1,3] = 154547/1365, movep[1,2,2,1,2,2,2] = -91139/2730, movep[1,2,2,1,2,3,1] = -84481/1092, movep[1,2,2,1,3,1,2] = 409313/5460, movep[1,2,2,1,3,2,1] = -359869/1820, movep[1,2,2,1,4,1,1] = -57749/1820, movep[1,2,2,2,1,1,3] = 336872/1365, movep[1,2,2,2,1,2,2] = -136732/1365, movep[1,2,2,2,1,3,1] = -7966/39, movep[1,2,2,2,2,1,2] = -738929/2730, movep[1,2,2,2,2,2,1] = 5461/13, movep[1,2,2,2,3,1,1] = 1939/26, movep[1,2,2,3,1,1,2] = -136732/1365, movep[1,2,2,3,1,2,1] = 1028/13, movep[1,2,2,3,2,1,1] = 692/39, movep[1,2,2,4,1,1,1] = 18389/260, movep[1,2,3,1,1,1,3] = 154547/1365, movep[1,2,3,1,1,2,2] = -91139/2730, movep[1,2,3,1,1,3,1] = -84481/1092, movep[1,2,3,1,2,1,2] = -347443/5460, movep[1,2,3,1,2,2,1] = 28927/364, movep[1,2,3,1,3,1,1] = 5267/364, movep[1,2,3,2,1,1,2] = -91139/2730, movep[1,2,3,2,1,2,1] = 6905/364, movep[1,2,3,2,2,1,1] = 2395/546, movep[1,2,3,3,1,1,1] = -57749/1820, movep[1,2,4,1,1,1,2] = -39619/455, movep[1,2,4,1,1,2,1] = 12247/182, movep[1,2,4,1,2,1,1] = 4129/273, movep[1,2,4,2,1,1,1] = 5714/91, movep[1,2,5,1,1,1,1] = 4129/273, movep[1,3,1,1,1,1,4] = -20341/182, movep[1,3,1,1,1,2,3] = 278849/5460, movep[1,3,1,1,1,3,2] = -95191/5460, movep[1,3,1,1,1,4,1] = 8301/91, movep[1,3,1,1,2,1,3] = 23981/546, movep[1,3,1,1,2,2,2] = -14038/1365, movep[1,3,1,1,2,3,1] = -140123/5460, movep[1,3,1,1,3,1,2] = 157061/5460, movep[1,3,1,1,3,2,1] = -133643/1820, movep[1,3,1,1,4,1,1] = -21713/1820, movep[1,3,1,2,1,1,3] = 36851/546, movep[1,3,1,2,1,2,2] = -60251/2730, movep[1,3,1,2,1,3,1] = -9371/195, movep[1,3,1,2,2,1,2] = -73669/1365, movep[1,3,1,2,2,2,1] = 1028/13, movep[1,3,1,2,3,1,1] = 183/13, movep[1,3,1,3,1,1,2] = -60251/2730, movep[1,3,1,3,1,2,1] = 993/65, movep[1,3,1,3,2,1,1] = 1343/390, movep[1,3,1,4,1,1,1] = 1733/52, movep[1,3,2,1,1,1,3] = 23981/546, movep[1,3,2,1,1,2,2] = -14038/1365, movep[1,3,2,1,1,3,1] = -140123/5460, movep[1,3,2,1,2,1,2] = -95191/5460, movep[1,3,2,1,2,2,1] = 6905/364, movep[1,3,2,1,3,1,1] = 1263/364, movep[1,3,2,2,1,1,2] = -14038/1365, movep[1,3,2,2,1,2,1] = 8499/1820, movep[1,3,2,2,2,1,1] = 1483/1365, movep[1,3,2,3,1,1,1] = -21713/1820, movep[1,3,3,1,1,1,2] = 27583/910, movep[1,3,3,1,1,2,1] = -14499/455, movep[1,3,3,1,2,1,1] = 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-25663/546, movep[2,1,1,1,2,2,3] = 47883/1820, movep[2,1,1,1,2,3,2] = -22847/1820, movep[2,1,1,1,2,4,1] = 6031/156, movep[2,1,1,1,3,1,3] = 3487/182, movep[2,1,1,1,3,2,2] = -4917/910, movep[2,1,1,1,3,3,1] = -1589/130, movep[2,1,1,1,4,1,2] = -72897/1820, movep[2,1,1,1,4,2,1] = 2837/39, movep[2,1,1,1,5,1,1] = 641/52, movep[2,1,1,2,1,1,4] = -7601/182, movep[2,1,1,2,1,2,3] = 85019/5460, movep[2,1,1,2,1,3,2] = -24211/5460, movep[2,1,1,2,1,4,1] = 33637/1092, movep[2,1,1,2,2,1,3] = 7601/546, movep[2,1,1,2,2,2,2] = -7601/2730, movep[2,1,1,2,2,3,1] = -9892/1365, movep[2,1,1,2,3,1,2] = 47861/5460, movep[2,1,1,2,3,2,1] = -60097/2730, movep[2,1,1,2,4,1,1] = -19639/5460, movep[2,1,1,3,1,1,3] = -319/26, movep[2,1,1,3,1,2,2] = 9383/910, movep[2,1,1,3,1,3,1] = 16047/910, movep[2,1,1,3,2,1,2] = 65813/1820, movep[2,1,1,3,2,2,1] = -17035/273, movep[2,1,1,3,3,1,1] = -11993/1092, movep[2,1,1,4,1,1,2] = 9383/910, movep[2,1,1,4,1,2,1] = -29209/2730, movep[2,1,1,4,2,1,1] = -2153/910, movep[2,1,1,5,1,1,1] = -39341/1820, movep[2,1,2,1,1,1,4] = -22209/364, movep[2,1,2,1,1,2,3] = 169103/5460, movep[2,1,2,1,1,3,2] = -66253/5460, movep[2,1,2,1,1,4,1] = 18553/364, movep[2,1,2,1,2,1,3] = 139073/5460, movep[2,1,2,1,2,2,2] = -36223/5460, movep[2,1,2,1,2,3,1] = -17323/1092, movep[2,1,2,1,3,1,2] = 89903/5460, movep[2,1,2,1,3,2,1] = -77769/1820, movep[2,1,2,1,4,1,1] = -37657/5460, movep[2,1,2,2,1,1,3] = 267773/5460, movep[2,1,2,2,1,2,2] = -100573/5460, movep[2,1,2,2,1,3,1] = -1492/39, movep[2,1,2,2,2,1,2] = -132869/2730, movep[2,1,2,2,2,2,1] = 1939/26, movep[2,1,2,2,3,1,1] = 1033/78, movep[2,1,2,3,1,1,2] = -100573/5460, movep[2,1,2,3,1,2,1] = 183/13, movep[2,1,2,3,2,1,1] = 493/156, movep[2,1,2,4,1,1,1] = 14477/780, movep[2,1,3,1,1,1,3] = 139073/5460, movep[2,1,3,1,1,2,2] = -36223/5460, movep[2,1,3,1,1,3,1] = -17323/1092, movep[2,1,3,1,2,1,2] = -66253/5460, movep[2,1,3,1,2,2,1] = 5267/364, movep[2,1,3,1,3,1,1] = 2879/1092, movep[2,1,3,2,1,1,2] = -36223/5460, movep[2,1,3,2,1,2,1] = 1263/364, movep[2,1,3,2,2,1,1] = 877/1092, movep[2,1,3,3,1,1,1] = -37657/5460, movep[2,1,4,1,1,1,2] = -59741/1820, movep[2,1,4,1,1,2,1] = 9843/364, movep[2,1,4,1,2,1,1] = 2199/364, movep[2,1,4,2,1,1,1] = 28619/1092, movep[2,1,5,1,1,1,1] = 2199/364, movep[2,2,1,1,1,1,4] = -7601/182, movep[2,2,1,1,1,2,3] = 85019/5460, movep[2,2,1,1,1,3,2] = -24211/5460, movep[2,2,1,1,1,4,1] = 33637/1092, movep[2,2,1,1,2,1,3] = 7601/546, movep[2,2,1,1,2,2,2] = -7601/2730, movep[2,2,1,1,2,3,1] = -9892/1365, movep[2,2,1,1,3,1,2] = 47861/5460, movep[2,2,1,1,3,2,1] = -60097/2730, movep[2,2,1,1,4,1,1] = -19639/5460, movep[2,2,1,2,1,1,3] = 3487/182, movep[2,2,1,2,1,2,2] = -4917/910, movep[2,2,1,2,1,2,3,1] = -1589/130, movep[2,2,1,2,2,1,2] = -22847/1820, movep[2,2,1,2,2,2,1] = 692/39, movep[2,2,1,2,3,1,1] = 493/156, movep[

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movep[3,1,1,3,1,2,1] = 10573/390, movep[3,1,1,3,2,1,1] = 2383/390, movep[3,1,1,4,1,1,1] = 2825/52, movep[3,1,2,1,1,1,3] = 40361/546, movep[3,1,2,1,1,2,2] = -48551/2730, movep[3,1,2,1,1,3,1] = -40113/910, movep[3,1,2,1,2,1,2] = -166171/5460, movep[3,1,2,1,2,2,1] = 9160/273, movep[3,1,2,1,3,1,1] = 6701/1092, movep[3,1,2,2,1,1,2] = -48551/2730, movep[3,1,2,2,1,2,1] = 22531/2730, movep[3,1,2,2,2,1,1] = 1747/910, movep[3,1,2,3,1,1,1] = -110639/5460, movep[3,1,3,1,1,1,2] = 45783/910, movep[3,1,3,1,1,2,1] = -144779/2730, movep[3,1,3,1,2,1,1] = -31939/2730, movep[3,1,3,2,1,1,1] = -60223/1092, movep[3,1,4,1,1,1,1] = -31939/2730, movep[3,2,1,1,1,1,3] = 1097303/5460, movep[3,2,1,1,1,2,2] = -328333/5460, movep[3,2,1,1,1,3,1] = -151639/1092, movep[3,2,1,1,2,1,2] = -628633/5460, movep[3,2,1,1,2,2,1] = 52587/364, movep[3,2,1,1,3,1,1] = 28723/1092, movep[3,2,1,2,1,1,2] = -328333/5460, movep[3,2,1,2,1,2,1] = 12547/364, movep[3,2,1,2,2,1,1] = 2901/364, movep[3,2,1,3,1,1,1] = -308837/5460, 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19639/5460, movep[1,1,2,3,1,1,1,2] = -9383/910, movep[1,1,2,3,1,1,2,1] = 29209/2730, movep[1,1,2,3,1,2,1,1] = 2153/910, movep[1,1,2,3,2,1,1,1] = 11993/1092, movep[1,1,2,4,1,1,1,1] = 2153/910, movep[1,1,3,1,1,1,1,3] = 113179/5460, movep[1,1,3,1,1,1,2,2] = -47861/5460, movep[1,1,3,1,1,1,3,1] = -101573/5460, movep[1,1,3,1,1,2,1,2] = -20383/1092, movep[1,1,3,1,1,2,2,1] = 28243/1092, movep[1,1,3,1,1,3,1,1] = 5129/1092, movep[1,1,3,1,2,1,1,2] = -47861/5460, movep[1,1,3,1,2,1,2,1] = 33107/5460, movep[1,1,3,1,2,2,1,1] = 7627/5460, movep[1,1,3,1,3,1,1,1] = -6883/1092, movep[1,1,3,1,3,2,1,1,1,2] = -61237/1820, movep[1,1,3,2,1,1,2,1] = 5549/195, movep[1,1,3,2,1,2,1,1] = 1657/260, movep[1,1,3,2,2,1,1,1] = 2113/78, movep[1,1,3,3,1,1,1,1] = 1657/260, movep[1,1,4,1,1,1,1,2] = -47861/5460, movep[1,1,4,1,1,1,2,1] = 33107/5460, movep[1,1,4,1,1,2,1,1] = 7627/5460, movep[1,1,4,1,2,1,1,1] = 5129/1092, movep[1,1,4,2,1,1,1,1] = 7627/5460, movep[1,1,5,1,1,1,1,1] = 36227/5460, movep[1,2,1,1,1,1,4] = 20341/182, 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2395/546, mopev[1,2,2,2,1,1,1,1,1] = 692/39, mopev[1,2,3,1,1,1,1,1,1] = 2395/546, mopev[1,3,1,1,1,1,1,1,2] = -14038/1365, mopev[1,3,1,1,1,1,2,1,1] = 8499/1820, mopev[1,3,1,1,1,2,1,1] = 1483/1365, mopev[1,3,1,1,2,1,1,1,1] = 1343/390, mopev[1,3,2,1,1,1,1,1,1] = 1483/1365, mopev[1,4,1,1,1,1,1,1,1] = 14941/5460, mopev[2,1,1,1,1,1,1,3] = 7601/546, mopev[2,1,1,1,1,1,2,2] = -7601/2730, mopev[2,1,1,1,1,1,3,1] = -9892/1365, mopev[2,1,1,1,1,2,1,2] = -24211/5460, mopev[2,1,1,1,1,2,2,1] = 2395/546, mopev[2,1,1,1,1,3,1,1] = 877/1092, mopev[2,1,1,2,1,1,2,1] = -7601/2730, mopev[2,1,1,2,1,2,1] = 1483/1365, mopev[2,1,1,1,1,2,1,2] = 1483/1365, mopev[2,1,1,1,2,2,1,1] = 691/2730, mopev[2,1,1,1,3,1,1,1] = -19639/5460, mopev[2,1,1,2,1,1,1,2] = -4917/910, mopev[2,1,1,2,1,2,1,1] = 1343/390, mopev[2,1,1,2,2,1,1] = 101/130, mopev[2,1,1,2,2,1,1,1] = 493/156, mopev[2,1,1,3,1,1,1,1] = 101/130, mopev[2,1,1,2,1,1,1,1,2] = -7601/2730, mopev[2,1,1,2,1,1,2,1,1] = 1483/1365, mopev[2,1,1,2,1,2,1,1] = 691/2730, mopev[2,1,1,2,1,2,1,1,1] = 877/1092, mopev[2,1,1,2,2,1,1,1,1] = 691/2730, mopev[2,1,1,2,2,1,1,1,1] = 877/1092, mopev[2,1,2,1,1,1,1,1,1] = -2153/910, mopev[2,1,2,1,1,1,1,2] = -36223/5460, mopev[2,1,2,1,1,1,2,1,1] = 1263/364, mopev[2,1,2,1,1,2,1,1] = 877/1092, mopev[2,1,2,1,2,1,1,1] = 2879/1092, mopev[2,1,2,1,2,1,1,1,1] = 877/1092, mopev[2,1,2,2,1,1,1,1,1] = 493/156, mopev[2,1,3,1,1,1,1,1,1] = 877/1092, mopev[2,2,1,1,1,1,1,1,2] = -7601/2730, mopev[2,2,1,1,1,1,2,1,1] = 1483/1365, mopev[2,2,1,1,1,2,1,1,1] = 691/2730, mopev[2,2,1,1,2,1,1,1,1] = 101/130, mopev[2,2,2,1,1,1,1,1,1] = 691/2730, mopev[2,3,1,1,1,1,1,1,1] = -7627/5460, mopev[3,1,1,1,1,1,1,2] = -48551/2730, mopev[3,1,1,1,1,1,2,1] = 22531/2730, mopev[3,1,1,1,1,2,1,1] = 1747/910, mopev[3,1,1,1,2,1,1,1] = 6701/1092, mopev[3,1,1,2,1,1,1,1] = 1747/910, mopev[3,1,1,2,1,1,1,1,1] = 2383/390, mopev[3,1,2,1,1,1,1,1,1] = 1747/910, mopev[3,2,1,1,1,1,1,1,1] = 2901/364, mopev[4,1,1,1,1,1,1,1,1] = 1747/910, mopev[1,1,1,1,1,1,1,1,3] = -7601/546, mopev[1,1,1,1,1,1,1,2,2] = 7601/2730, mopev[1,1,1,1,1,1,1,3,1] = 9892/1365, mopev[1,1,1,1,1,1,2,1,2] = 24211/5460, mopev[1,1,1,1,1,1,2,2,1] = -2395/546, mopev[1,1,1,1,1,1,3,1,1] = -877/1092, mopev[1,1,1,1,1,2,1,1,2] = 7601/2730, mopev[1,1,1,1,2,1,2,1,1] = -1483/1365, mopev[1,1,1,1,1,2,2,1,1] = -691/2730, mopev[1,1,1,1,1,3,1,1,1] = 19639/5460, mopev[1,1,1,1,2,1,1,1,2] = 4917/910, mopev[1,1,1,1,2,1,2,1,1] = -1343/390, mopev[1,1,1,1,2,1,2,1,1] = -101/130, mopev[1,1,1,1,2,2,1,1,1] = -493/156, mopev[1,1,1,1,3,1,1,1,1] = -101/130, mopev[1,1,1,1,2,1,1,1,2] = 7601/2730, mopev[1,1,1,1,2,1,1,2,1] = -1483/1365, mopev[1,1,1,1,2,1,2,1,1] = -691/2730, mopev[1,1,1,1,2,1,2,1,1,1] = -877/1092, mopev[1,1,1,1,2,2,1,1,1,1] = -691/2730, mopev[1,1,1,3,1,1,1,1,1] = 2153/910, mopev[1,1,1,2,1,1,1,1,2] = 36223/5460, mopev[1,1,1,2,1,1,1,2,1] = -1263/364, mopev[1,1,1,2,1,1,2,1,1] = -877/1092, mopev[1,1,1,2,1,1,2,1,1,1] = -2879/1092, mopev[1,1,1,2,1,2,1,1,1,1] = -877/1092, mopev[1,1,1,2,2,1,1,1,1,1] = -493/156, mopev[1,1,1,3,1,1,1,1,1,1] = -877/1092, mopev[1,1,2,1,1,1,1,1,1,2] = 7601/2730, mopev[1,1,2,1,1,1,1,2,1] = -1483/1365, mopev[1,1,2,1,1,1,2,1,1,1] = -691/2730, mopev[1,1,2,1,1,2,1,1,1,1] = -101/130, mopev[1,1,2,2,1,1,1,1,1,1] = -691/2730, mopev[1,1,3,1,1,1,1,1,1,1] = 7627/5460, mopev[1,2,1,1,1,1,1,1,2] = 14038/1365, mopev[1,2,1,1,1,1,1,2,1] = -8499/1820, mopev[1,2,1,1,1,1,2,1,1] = -1483/1365, mopev[1,2,1,1,1,1,2,1,1,1] = -1263/364, mopev[1,2,1,1,1,2,1,1,1,1] = -1483/1365, mopev[1,2,1,1,2,1,1,1,1,1] = -1343/390, mopev[1,2,1,2,1,1,1,1,1,1] = -1483/1365, mopev[1,2,1,1,1,1,1,1,1,1] = -1483/1365, mopev[2,1,1,1,1,1,1,1,1,2] = 7601/2730, mopev[2,1,1,1,1,1,1,2,1] = -1483/1365, mopev[2,1,1,1,1,1,2,1,1] = -691/2730, mopev[2,1,1,1,1,2,1,1,1] = -877/1092, mopev[2,1,1,1,2,1,1,1,1] = -691/2730, mopev[2,1,1,2,1,1,1,1,1] = -691/2730, mopev[2,1,1,2,1,1,1,1,1] = -877/1092, mopev[2,2,1,1,1,1,1,1,1] = -691/2730, mopev[3,1,1,1,1,1,1,1,1,1] = -1747/910, mopev[1,1,1,1,1,1,1,1,1,2] = -7601/2730, mopev[1,1,1,1,1,1,1,1,2,1] = 1483/1365, mopev[1,1,1,1,1,1,1,2,1,1] = 691/2730, mopev[1,1,1,1,1,1,2,1,1,1] = 877/1092, mopev[1,1,1,1,2,1,1,1,1,1] = 101/130, mopev[1,1,1,2,1,1,1,1,1,1] = 691/2730, mopev[1,2,1,1,1,1,1,1,1,1] = 1483/1365, mopev[2,1,1,1,1,1,1,1,1,1] = 691/2730, mopev[1,1,1,1,1,1,1,1,1,1,1] = -691/2730 : ##

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