

```

#####
##### File "d6_dipilev_to_pilev_in_re_basis";
#####
##### restart;

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

heer:=proc(X): proc(p,q): if p+q<>add(op(k,X),k=1..nops(X)) then 0
elif nops(X)=1 and p<op(1,X) then p*a[q]
elif nops(X)=2 and op(1,X)<= q and q<op(2,X) then +a[q]
elif nops(X)=2 and op(2,X)<= q and q<op(1,X) then -a[q]
else 0 fi end: end:

## rerep:='rerep': rerep[]:=1: a:='a': [a[1]=0, seq(a[r]= +2^(1-r)/(r-1)/(r+1)*(1+(-1)^r)/2,r=2..14)]; assign(%);

Rep:=proc(X):
if nops(X)=1 and op(X)=1 then +a[1]
elif nops(X)=1 and op(X)>1 then
+1/summa(X)*a[op(-1,X)]
+1/summa(X)*add(rerep[p]*heer(X)(p,op(X)-p),p=1..op(X)-1)
elif nops(X)>1 and {op(X)} = {1} then 1/(nops(X))*a[1]^(nops(X))
elif nops(X)>1 and {op(X)}<>{1} then
+1/summa(X)*rerep[op(deb(X))]*a[op(-1,X)]
+1/summa(X)*add(add( rerep[seq(op(k,X),k=1..i-1),p,seq(op(k,X),k=i+1..nops(X))]*heer([op(i,X)])(p,op(i,X)-p), p=1..op(i,X)-1),i=1..nops(X))
+1/summa(X)*add(add( rerep[seq(op(k,X),k=1..i-1),p,seq(op(k,X),k=i+2..nops(X))]*heer([op(i,X),op(i+1,X)])(p,op(i,X)+op(i+1,X)-p), p=1..op(i,X)+op(i+1,X)-1),i=1..nops(X)-1)
fi end:
#####
sereropev2 := [reropev[2] = 1/6, reropev[1,1] = 0] : ##

sereropev4 := [reropev[4] = 13/60, reropev[1,3] = 1/12, reropev[2,2] = 1/12, reropev[3,1] = -1/12,
reropev[1,1,2] = 0, reropev[1,2,1] = 0, reropev[2,1,1] = 0, reropev[1,1,1,1] = 0] : ##

sereropev6 :=
[reropev[6] = 251/252, reropev[1,5] = 17/36, reropev[2,4] = 29/72, reropev[3,3] = 0, reropev[4,2] = 5/36,
reropev[5,1] = -17/36, reropev[1,1,4] = 5/72, reropev[1,2,3] = 5/72, reropev[1,3,2] = 5/72, reropev[1,4,1] = -5/36,
reropev[2,1,3] = 5/72, reropev[2,2,2] = 5/72, reropev[2,3,1] = -5/36, reropev[3,1,2] = -5/36, reropev[3,2,1] = 5/72,
reropev[4,1,1] = 5/72, reropev[1,1,1,3] = 0, reropev[1,1,2,2] = 0, reropev[1,1,3,1] = 0, reropev[1,2,1,2] = 0,
reropev[1,2,2,1] = 0, reropev[1,3,1,1] = 0, reropev[2,1,1,2] = 0, reropev[2,1,2,1] = 0, reropev[2,2,1,1] = 0,
reropev[3,1,1,1] = 0, reropev[1,1,1,1,2] = 0, reropev[1,1,1,2,1] = 0, reropev[1,1,2,1,1] = 0, reropev[1,2,1,1,1] = 0,
reropev[2,1,1,1,1] = 0, reropev[1,1,1,1,1,1] = 0] : ##

sereropev8 :=
[reropev[8] = 3551/360, reropev[1,7] = 613/120, reropev[2,6] = 327/80, reropev[3,5] = 847/1080, reropev[4,4] = 1183/720,
reropev[5,3] = -847/1080, reropev[6,2] = 1211/2160, reropev[7,1] = -613/120, reropev[1,1,6] = 49/48, reropev[1,2,5] = 203/216,
reropev[1,3,4] = 371/432, reropev[1,4,3] = 0, reropev[1,5,2] = 175/432, reropev[1,6,1] = -49/24, reropev[2,1,5] = 371/432,
reropev[2,2,4] = 7/9, reropev[2,3,3] = -35/432, reropev[2,4,2] = 35/108, reropev[2,5,1] = -259/144, reropev[3,1,4] = -371/432,
reropev[3,2,3] = 35/216, reropev[3,3,2] = -35/432, reropev[3,4,1] = 0, reropev[4,1,3] = 175/432, reropev[4,2,2] = 35/216,
reropev[4,3,1] = -175/432, reropev[5,1,2] = -581/432, reropev[5,2,1] = 203/216, reropev[6,1,1] = 49/48, reropev[1,1,1,5] = 35/432,
reropev[1,1,2,4] = 35/432, reropev[1,1,3,3] = 35/432, reropev[1,1,4,2] = 35/432, reropev[1,1,5,1] = -35/144,
reropev[1,2,1,4] = 35/432, reropev[1,2,2,3] = 35/432, reropev[1,2,3,2] = 35/432, reropev[1,2,4,1] = -35/144, reropev[1,3,1,3] = 35/432,
reropev[1,3,2,2] = 35/432, reropev[1,3,3,1] = -35/144, reropev[1,4,1,2] = -175/432, reropev[1,4,2,1] = 35/144,
reropev[1,5,1,1] = 35/144, reropev[2,1,1,4] = 35/432, reropev[2,1,2,3] = 35/432, reropev[2,1,3,2] = 35/432, reropev[2,1,4,1] = -35/144,
reropev[2,2,1,3] = 35/432, reropev[2,2,2,2] = 35/432, reropev[2,2,3,1] = -35/144, reropev[2,3,1,2] = -175/432,
reropev[2,3,2,1] = 35/144, reropev[2,4,1,1] = 35/144, reropev[3,1,1,3] = -35/144, reropev[3,1,2,2] = -35/144, reropev[3,1,3,1] = 175/432,
reropev[3,2,1,2] = 35/144, reropev[3,2,2,1] = -35/432, reropev[3,3,1,1] = -35/432, reropev[4,1,1,2] = 35/144,
reropev[4,1,2,1] = -35/432, reropev[4,2,1,1] = -35/432, reropev[5,1,1,1] = -35/432, reropev[1,1,1,1,4] = 0, reropev[1,1,1,2,3] = 0,
reropev[1,1,1,3,2] = 0, reropev[1,1,1,4,1] = 0, reropev[1,1,2,1,3] = 0, reropev[1,1,2,2,2] = 0, reropev[1,1,2,3,1] = 0,
reropev[1,1,3,1,2] = 0, reropev[1,1,3,2,1] = 0, reropev[1,1,4,1,1] = 0, reropev[1,2,1,1,3] = 0, reropev[1,2,1,2,2] = 0,
reropev[1,2,1,3,1] = 0, reropev[1,2,2,1,2] = 0, reropev[1,2,2,2,1] = 0, reropev[1,2,3,1,1] = 0, reropev[1,3,1,1,2] = 0,
reropev[1,3,1,2,1] = 0, reropev[1,3,2,1,1] = 0, reropev[1,4,1,1,1] = 0, reropev[2,1,1,1,3] = 0, reropev[2,1,1,2,2] = 0,
reropev[2,1,1,3,1] = 0, reropev[2,1,2,1,2] = 0, reropev[2,1,2,2,1] = 0, reropev[2,1,3,1,1] = 0, reropev[2,2,1,1,2] = 0,
reropev[2,2,1,2,1] = 0, reropev[2,2,2,1,1] = 0, reropev[2,3,1,1,1] = 0, reropev[3,1,1,1,2] = 0, reropev[3,1,1,2,1] = 0,
reropev[3,1,2,1,1] = 0, reropev[3,2,1,1,1] = 0, reropev[4,1,1,1,1] = 0, reropev[1,1,1,1,3] = 0, reropev[1,1,1,2,2] = 0,
reropev[1,1,1,3,1] = 0, reropev[1,1,1,2,1,2] = 0, reropev[1,1,1,2,2,1] = 0, reropev[1,1,1,3,1,1] = 0, reropev[1,1,2,1,1,2] = 0,
reropev[1,1,2,1,2,1] = 0, reropev[1,1,2,2,1,1] = 0, reropev[1,1,3,1,1,1] = 0, reropev[1,2,1,1,1,2] = 0, reropev[1,2,1,1,2,1] = 0,
reropev[1,2,1,2,1,1] = 0, reropev[1,2,2,1,1,1] = 0, reropev[1,3,1,1,1,1] = 0, reropev[2,1,1,1,1,2] = 0, reropev[2,1,1,1,2,1] = 0,
reropev[2,1,1,2,1,1] = 0, reropev[2,1,2,1,1,1] = 0, reropev[2,2,1,1,1,1] = 0, reropev[3,1,1,1,1,1] = 0, reropev[1,1,1,1,1,2] = 0,
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reropev[1,1,1,1,1,2,1] = 0, reropev[1,1,1,1,2,1,1] = 0, reropev[1,1,1,2,1,1,1] = 0, reropev[1,1,2,1,1,1,1] = 0,
reropev[1,2,1,1,1,1,1] = 0, reropev[2,1,1,1,1,1,1] = 0, reropev[1,1,1,1,1,1,1] = 0] :##
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sereropev12 :=
 [rеропев[12] = 147636491/32760, rеропев[1,11] = 6409391/2520, rеропев[2,10] = 1932187/1008, rеропев[3,9] = 4618207/7560,
 rеропев[4,8] = 8464247/10080, rеропев[5,7] = 393283/2520, rеропев[6,6] = 693011/1512, rеропев[7,5] = -393283/2520, rеропев[8,
 4] = 109703/5040, rеропев[9,3] = -4618207/7560, rеропев[10,2] = -49159/1008, rеропев[11,1] = -6409391/2520, rеропев[1,1,10]
] = 451121/720, rеропев[1,2,9] = 584749/1080, rеропев[1,3,8] = 675697/1440, rеропев[1,4,7] = 76483/360, rеропев[1,5,6] =
 155837/540, rеропев[1,6,5] = 616/45, rеропев[1,7,4] = 116501/720, rеропев[1,8,3] = -259633/1080, rеропев[1,9,2] = 4961/240,
 rеропев[1,10,1] = -451121/360, rеропев[2,1,9] = 985633/2160, rеропев[2,2,8] = 1124849/2880, rеропев[2,3,7] = 100661/720,
 rеропев[2,4,6] = 1913857/8640, rеропев[2,5,5] = -10549/720, rеропев[2,6,4] = 336259/2880, rеропев[2,7,3] = -454201/2160,
 rеропев[2,8,2] = 7051/1440, rеропев[2,9,1] = -239459/240, rеропев[3,1,8] = -988559/4320, rеропев[3,2,7] = 76109/1080,
 rеропев[3,3,6] = 616/45, rеропев[3,4,5] = 3773/135, rеропев[3,5,4] = 50743/2160, rеропев[3,6,3] = -1232/45, rеропев[3,7,2] =
 9779/2160, rеропев[3,8,1] = -259633/1080, rеропев[4,1,7] = 249997/1440, rеропев[4,2,6] = 865007/8640, rеропев[4,3,5] = 47047
 /1440, rеропев[4,4,4] = 169169/2880, rеропев[4,5,3] = -261877/4320, rеропев[4,6,2] = 9163/720, rеропев[4,7,1] = -555929/1440
 , rеропев[5,1,6] = -163229/540, rеропев[5,2,5] = 10549/360, rеропев[5,3,4] = -37037/720, rеропев[5,4,3] = 3773/135, rеропев[
 5,5,2] = -10549/720, rеропев[5,6,1] = 616/45, rеропев[6,1,5] = 17864/135, rеропев[6,2,4] = 140063/4320, rеропев[6,3,3] = 616
 /45, rеропев[6,4,2] = 129437/8640, rеропев[6,5,1] = -19712/135, rеропев[7,1,4] = -269467/720, rеропев[7,2,3] = 76109/1080,
 rеропев[7,3,2] = -53999/720, rеропев[7,4,1] = 76483/360, rеропев[8,1,3] = 384593/2160, rеропев[8,2,2] = 32879/2880, rеропев[
 8,3,1] = 44891/720, rеропев[9,1,2] = -1214147/2160, rеропев[9,2,1] = 584749/1080, rеропев[10,1,1] = 451121/720, rеропев[1,
 1,9] = 36773/432, rеропев[1,1,2,8] = 15103/192, rеропев[1,1,3,7] = 3487/48, rеропев[1,1,4,6] = 115907/1728, rеропев[1,1,5,5]
 = 4081/144, rеропев[1,1,6,4] = 25949/576, rеропев[1,1,7,3] = -13013/432, rеропев[1,1,8,2] = 4543/288, rеропев[1,1,9,1] = -\r
 36773/144, rеропев[1,2,1,8] = 62381/864, rеропев[1,2,2,7] = 1793/27, rеропев[1,2,3,6] = 13189/216, rеропев[1,2,4,5] = 19481/
 864, rеропев[1,2,5,4] = 34111/864, rеропев[1,2,6,3] = -13013/432, rеропев[1,2,7,2] = 5467/432, rеропев[1,2,8,1] = -49577/216
 , rеропев[1,3,1,7] = 5819/96, rеропев[1,3,2,6] = 95887/1728, rеропев[1,3,3,5] = 14861/864, rеропев[1,3,4,4] = 19789/576,
 rеропев[1,3,5,3] = -2849/96, rеропев[1,3,6,2] = 539/54, rеропев[1,3,7,1] = -6589/32, rеропев[1,4,1,6] = -16445/216, rеропев[
 1,4,2,5] = 2695/144, rеропев[1,4,3,4] = -385/144, rеропев[1,4,4,3] = 385/108, rеропев[1,4,5,2] = 385/288, rеропев[1,4,6,1] =
 -16709/288, rеропев[1,5,1,5] = 5005/108, rеропев[1,5,2,4] = 18865/864, rеропев[1,5,3,3] = -385/216, rеропев[1,5,4,2] = 16555
 /1728, rеропев[1,5,5,1] = -22253/216, rеропев[1,6,1,4] = -21329/144, rеропев[1,6,2,3] = 11165/432, rеропев[1,6,3,2] = -11935
 /432, rеропев[1,6,4,1] = 16709/288, rеропев[1,7,1,3] = 28105/432, rеропев[1,7,2,2] = 4235/576, rеропев[1,7,3,1] = -77/16,
 rеропев[1,8,1,2] = -112783/432, rеропев[1,8,2,1] = 49577/216, rеропев[1,9,1,1] = 36773/144, rеропев[2,1,1,8] = 113597/1728,
 rеропев[2,1,2,7] = 25993/432, rеропев[2,1,3,6] = 95117/1728, rеропев[2,1,4,5] = 3619/216, rеропев[2,1,5,4] = 58597/1728,
 rеропев[2,1,6,3] = -13013/432, rеропев[2,1,7,2] = 8239/864, rеропев[2,1,8,1] = -87989/432, rеропев[2,2,1,7] = 10483/192,
 rеропев[2,2,2,6] = 85877/1728, rеропев[2,2,3,5] = 2233/192, rеропев[2,2,4,4] = 16709/576, rеропев[2,2,5,3] = -50897/1728,
 rеропев[2,2,6,2] = 4081/576, rеропев[2,2,7,1] = -104357/576, rеропев[2,3,1,6] = -141185/1728, rеропев[2,3,2,5] = 1925/144,
 rеропев[2,3,3,4] = -13475/1728, rеропев[2,3,4,3] = 385/96, rеропев[2,3,5,2] = -385/288, rеропев[2,3,6,1] = -14861/432,
 rеропев[2,4,1,5] = 71225/1728, rеропев[2,4,2,4] = 7315/432, rеропев[2,4,3,3] = -1925/1728, rеропев[2,4,4,2] = 385/54,
 rеропев[2,4,5,1] = -139139/1728, rеропев[2,5,1,4] = -75691/576, rеропев[2,5,2,3] = 9625/432, rеропев[2,5,3,2] = -7315/288,

$\text{reropev}[2,5,4,1] = 16709/288$, $\text{reropev}[2,6,1,3] = 98945/1728$, $\text{reropev}[2,6,2,2] = 385/72$, $\text{reropev}[2,6,3,1] = 5159/1728$,
 $\text{reropev}[2,7,1,2] = -185911/864$, $\text{reropev}[2,7,2,1] = 83369/432$, $\text{reropev}[2,8,1,1] = 62381/288$, $\text{reropev}[3,1,1,7] = -89111/864$,
 $\text{reropev}[3,1,2,6] = -149347/1728$, $\text{reropev}[3,1,3,5] = -4081/864$, $\text{reropev}[3,1,4,4] = -60907/1728$, $\text{reropev}[3,1,5,3] = 28721/864$,
 $\text{reropev}[3,1,6,2] = -1771/216$, $\text{reropev}[3,1,7,1] = 125851/864$, $\text{reropev}[3,2,1,6] = 12265/216$, $\text{reropev}[3,2,2,5] = 1925/432$,
 $\text{reropev}[3,2,3,4] = 5005/432$, $\text{reropev}[3,2,4,3] = -385/216$, $\text{reropev}[3,2,5,2] = 1925/432$, $\text{reropev}[3,2,6,1] = -11165/432$,
 $\text{reropev}[3,3,1,5] = -385/27$, $\text{reropev}[3,3,2,4] = -4235/864$, $\text{reropev}[3,3,3,3] = 0$, $\text{reropev}[3,3,4,2] = -2695/1728$, $\text{reropev}[3,3,5,1] = 385/216$,
 $\text{reropev}[3,4,1,4] = 1925/432$, $\text{reropev}[3,4,2,3] = 385/216$, $\text{reropev}[3,4,3,2] = 385/288$, $\text{reropev}[3,4,4,1] = -385/108$,
 $\text{reropev}[3,5,1,3] = -385/432$, $\text{reropev}[3,5,2,2] = -385/1728$, $\text{reropev}[3,5,3,1] = -385/144$, $\text{reropev}[3,6,1,2] = -13783/432$,
 $\text{reropev}[3,6,2,1] = 13013/432$, $\text{reropev}[3,7,1,1] = 13013/432$, $\text{reropev}[4,1,1,6] = 126995/1728$, $\text{reropev}[4,1,2,5] = 1925/96$,
 $\text{reropev}[4,1,3,4] = 5005/192$, $\text{reropev}[4,1,4,3] = -1925/432$, $\text{reropev}[4,1,5,2] = 385/36$, $\text{reropev}[4,1,6,1] = -20405/288$, $\text{reropev}[4,2,1,5] = 385/1728$,
 $\text{reropev}[4,2,2,4] = 7315/864$, $\text{reropev}[4,2,3,3] = -6545/1728$, $\text{reropev}[4,2,4,2] = 385/108$, $\text{reropev}[4,2,5,1] = -67375/1728$,
 $\text{reropev}[4,3,1,4] = -5005/192$, $\text{reropev}[4,3,2,3] = 5005/864$, $\text{reropev}[4,3,3,2] = -385/108$, $\text{reropev}[4,3,4,1] = 385/144$,
 $\text{reropev}[4,4,1,3] = 18865/1728$, $\text{reropev}[4,4,2,2] = 385/144$, $\text{reropev}[4,4,3,1] = -1925/192$, $\text{reropev}[4,5,1,2] = -63371/864$,
 $\text{reropev}[4,5,2,1] = 3311/54$, $\text{reropev}[4,6,1,1] = 18557/288$, $\text{reropev}[5,1,1,5] = -22253/216$, $\text{reropev}[5,1,2,4] = -72457/864$,
 $\text{reropev}[5,1,3,3] = 385/27$, $\text{reropev}[5,1,4,2] = -51205/1728$, $\text{reropev}[5,1,5,1] = 4312/27$, $\text{reropev}[5,2,1,4] = 11627/144$, $\text{reropev}[5,2,2,3] = -1925/432$,
 $\text{reropev}[5,2,3,2] = 1925/144$, $\text{reropev}[5,2,4,1] = -2695/144$, $\text{reropev}[5,3,1,3] = -11935/432$, $\text{reropev}[5,3,2,2] = -5005/576$,
 $\text{reropev}[5,3,3,1] = 6545/432$, $\text{reropev}[5,4,1,2] = 18403/432$, $\text{reropev}[5,4,2,1] = -19481/864$, $\text{reropev}[5,5,1,1] = -4081/144$,
 $\text{reropev}[6,1,1,4] = 86317/864$, $\text{reropev}[6,1,2,3] = 385/54$, $\text{reropev}[6,1,3,2] = 5005/192$, $\text{reropev}[6,1,4,1] = -11165/216$,
 $\text{reropev}[6,2,1,3] = -15785/864$, $\text{reropev}[6,2,2,2] = 385/216$, $\text{reropev}[6,2,3,1] = -4235/288$, $\text{reropev}[6,3,1,2] = -2233/1728$,
 $\text{reropev}[6,3,2,1] = 77/27$, $\text{reropev}[6,4,1,1] = -5467/1728$, $\text{reropev}[7,1,1,3] = -46475/432$, $\text{reropev}[7,1,2,2] = -49775/576$,
 $\text{reropev}[7,1,3,1] = 7205/48$, $\text{reropev}[7,2,1,2] = 62843/432$, $\text{reropev}[7,2,2,1] = -1793/27$, $\text{reropev}[7,3,1,1] = -3487/48$,
 $\text{reropev}[8,1,1,2] = 287947/1728$, $\text{reropev}[8,1,2,1] = -62381/864$, $\text{reropev}[8,2,1,1] = -15103/192$, $\text{reropev}[9,1,1,1] = -36773/432$,
 $\text{reropev}[1,1,1,1,8] = 11165/1728$, $\text{reropev}[1,1,1,2,7] = 2695/432$, $\text{reropev}[1,1,1,3,6] = 385/64$, $\text{reropev}[1,1,1,4,5] = 5005/864$,
 $\text{reropev}[1,1,1,5,4] = 9625/1728$, $\text{reropev}[1,1,1,6,3] = 0$, $\text{reropev}[1,1,1,7,2] = 2695/864$, $\text{reropev}[1,1,1,8,1] = -11165/432$,
 $\text{reropev}[1,1,2,1,7] = 385/64$, $\text{reropev}[1,1,2,2,6] = 5005/864$, $\text{reropev}[1,1,2,3,5] = 9625/1728$, $\text{reropev}[1,1,2,4,4] = 385/72$,
 $\text{reropev}[1,1,2,5,3] = -385/1728$, $\text{reropev}[1,1,2,6,2] = 5005/1728$, $\text{reropev}[1,1,2,7,1] = -14245/576$, $\text{reropev}[1,1,3,1,6] = 9625/1728$,
 $\text{reropev}[1,1,3,2,5] = 385/72$, $\text{reropev}[1,1,3,3,4] = 8855/1728$, $\text{reropev}[1,1,3,4,3] = -385/864$, $\text{reropev}[1,1,3,5,2] = 385/144$,
 $\text{reropev}[1,1,3,6,1] = -20405/864$, $\text{reropev}[1,1,4,1,5] = 8855/1728$, $\text{reropev}[1,1,4,2,4] = 4235/864$, $\text{reropev}[1,1,4,3,3] = -385/576$,
 $\text{reropev}[1,1,4,4,2] = 4235/1728$, $\text{reropev}[1,1,4,5,1] = -38885/1728$, $\text{reropev}[1,1,5,1,4] = -9625/576$, $\text{reropev}[1,1,5,2,3] = 385/108$,
 $\text{reropev}[1,1,5,3,2] = -1925/864$, $\text{reropev}[1,1,5,4,1] = 0$, $\text{reropev}[1,1,6,1,3] = 13475/1728$, $\text{reropev}[1,1,6,2,2] = 385/192$,
 $\text{reropev}[1,1,6,3,1] = -13475/1728$, $\text{reropev}[1,1,7,1,2] = -39655/864$, $\text{reropev}[1,1,7,2,1] = 15785/432$, $\text{reropev}[1,1,8,1,1] = 11165/288$,
 $\text{reropev}[1,2,1,1,7] = 5005/864$, $\text{reropev}[1,2,1,2,6] = 9625/1728$, $\text{reropev}[1,2,1,3,5] = 385/72$, $\text{reropev}[1,2,1,4,4,1] = 8855/1728$,
 $\text{reropev}[1,2,1,5,3] = -385/864$, $\text{reropev}[1,2,1,6,2] = 385/144$, $\text{reropev}[1,2,2,1,1] = -20405/864$, $\text{reropev}[1,2,2,1,6] = 385/72$,
 $\text{reropev}[1,2,2,2,5] = 8855/1728$, $\text{reropev}[1,2,2,3,4] = 4235/864$, $\text{reropev}[1,2,2,4,3] = -385/576$, $\text{reropev}[1,2,2,5,2] = 4235/1728$,
 $\text{reropev}[1,2,2,6,1] = -38885/1728$, $\text{reropev}[1,2,3,1,5] = 4235/864$, $\text{reropev}[1,2,3,2,4] = 2695/576$, $\text{reropev}[1,2,3,3,3] = -385/432$,
 $\text{reropev}[1,2,3,4,2] = 1925/864$, $\text{reropev}[1,2,3,5,1] = -385/18$, $\text{reropev}[1,2,4,1,4] = -7315/432$, $\text{reropev}[1,2,4,2,3] = 1925/576$,
 $\text{reropev}[1,2,4,3,2] = -4235/1728$, $\text{reropev}[1,2,4,4,1] = 1925/1728$, $\text{reropev}[1,2,5,1,3] = 6545/864$, $\text{reropev}[1,2,5,2,2] = 385/216$,
 $\text{reropev}[1,2,5,3,1] = -1925/288$, $\text{reropev}[1,2,6,1,2] = -385/9$, $\text{reropev}[1,2,6,2,1] = 29645/864$, $\text{reropev}[1,2,7,1,1] = 15785/432$,
 $\text{reropev}[1,3,1,1,6] = 8855/1728$, $\text{reropev}[1,3,1,2,5] = 4235/864$, $\text{reropev}[1,3,1,3,4] = 2695/576$, $\text{reropev}[1,3,1,4,3] = -385/432$,
 $\text{reropev}[1,3,1,5,2] = 1925/864$, $\text{reropev}[1,3,1,6,1] = -385/18$, $\text{reropev}[1,3,2,1,5] = 2695/576$, $\text{reropev}[1,3,2,2,4] = 1925/432$,
 $\text{reropev}[1,3,2,3,3] = -1925/1728$, $\text{reropev}[1,3,2,4,2] = 385/192$, $\text{reropev}[1,3,2,5,1] = -35035/1728$,
 $\text{reropev}[1,3,3,1,4] = -29645/1728$, $\text{reropev}[1,3,3,2,3] = 2695/864$, $\text{reropev}[1,3,3,3,2] = -385/144$, $\text{reropev}[1,3,3,4,1] = 1925/864$,
 $\text{reropev}[1,3,4,1,3] = 4235/576$, $\text{reropev}[1,3,4,2,2] = 2695/1728$, $\text{reropev}[1,3,4,3,1] = -9625/1728$, $\text{reropev}[1,3,5,1,2] = -34265/864$,
 $\text{reropev}[1,3,5,2,1] = 385/12$, $\text{reropev}[1,3,6,1,1] = 29645/864$, $\text{reropev}[1,4,1,1,5] = -11935/432$, $\text{reropev}[1,4,1,2,4] = -21175/864$,
 $\text{reropev}[1,4,1,3,3] = 385/72$, $\text{reropev}[1,4,1,4,2] = -14245/1728$, $\text{reropev}[1,4,1,5,1] = 38885/864$, $\text{reropev}[1,4,2,1,4] = 385/18$,
 $\text{reropev}[1,4,2,2,3] = -385/864$, $\text{reropev}[1,4,2,3,2] = 6545/1728$, $\text{reropev}[1,4,2,4,1] = -1925/288$, $\text{reropev}[1,4,3,1,3] = -2695/432$,
 $\text{reropev}[1,4,3,2,2] = -385/192$, $\text{reropev}[1,4,3,3,1] = 1925/864$, $\text{reropev}[1,4,4,1,2] = 1925/864$, $\text{reropev}[1,4,4,2,1] = 1925/1728$,
 $\text{reropev}[1,4,5,1,1] = 0$, $\text{reropev}[1,5,1,1,4] = 21175/864$, $\text{reropev}[1,5,1,2,3] = 385/144$, $\text{reropev}[1,5,1,3,2] = 11935/1728$,
 $\text{reropev}[1,5,1,4,1] = -13475/864$, $\text{reropev}[1,5,2,1,3] = -2695/864$, $\text{reropev}[1,5,2,2,2] = 1925/1728$, $\text{reropev}[1,5,2,3,1] = -1925/288$,
 $\text{reropev}[1,5,3,1,2] = -6545/576$, $\text{reropev}[1,5,3,2,1] = 1925/216$, $\text{reropev}[1,5,4,1,1] = 13475/1728$, $\text{reropev}[1,6,1,1,3] = -4235/108$,
 $\text{reropev}[1,6,1,2,2] = -60445/1728$, $\text{reropev}[1,6,1,3,1] = 18095/288$, $\text{reropev}[1,6,2,1,2] = 1925/36$, $\text{reropev}[1,6,2,2,1] = -38885/1728$,
 $\text{reropev}[1,6,3,1,1] = -20405/864$, $\text{reropev}[1,7,1,1,2] = 99715/1728$, $\text{reropev}[1,7,1,2,1] = -20405/864$,
 $\text{reropev}[1,7,2,1,1] = -14245/576$, $\text{reropev}[1,8,1,1,1] = -11165/432$, $\text{reropev}[2,1,1,1,7] = 9625/1728$, $\text{reropev}[2,1,1,2,6] = 385/72$,
 $\text{reropev}[2,1,1,3,5] = 8855/1728$, $\text{reropev}[2,1,1,4,4] = 4235/864$, $\text{reropev}[2,1,1,5,3] = -385/576$, $\text{reropev}[2,1,1,6,2] = 4235/1728$,
 $\text{reropev}[2,1,1,7,1] = -38885/1728$, $\text{reropev}[2,1,2,1,6] = 8855/1728$, $\text{reropev}[2,1,2,2,5] = 4235/864$, $\text{reropev}[2,1,2,3,4] = 2695/576$,
 $\text{reropev}[2,1,2,4,3] = -385/432$, $\text{reropev}[2,1,2,5,2] = 1925/864$, $\text{reropev}[2,1,2,6,1] = -385/18$, $\text{reropev}[2,1,3,1,5] = 2695/576$,
 $\text{reropev}[2,1,3,2,4] = 2695/1728$, $\text{reropev}[2,1,3,3,3] = -385/144$, $\text{reropev}[2,1,3,4,2] = -385/144$, $\text{reropev}[2,1,4,4,1] = 1925/864$,
 $\text{reropev}[2,1,5,1,3] = 4235/576$, $\text{reropev}[2,1,5,2,2] = 2695/1728$, $\text{reropev}[2,1,5,3,1] = -9625/1728$, $\text{reropev}[2,1,6,1,2] = -34265/864$,
 $\text{reropev}[2,1,6,2,1] = 385/12$, $\text{reropev}[2,1,7,1,1] = 29645/864$, $\text{reropev}[2,2,1,1,6] = 4235/864$, $\text{reropev}[2,2,1,2,5] = 2695/576$,
 $\text{reropev}[2,2,1,3,4] = 1925/432$, $\text{reropev}[2,2,1,4,3] = -1925/1728$, $\text{reropev}[2,2,1,5,2] = 385/192$, $\text{reropev}[2,2,1,6,1] = -35035/1728$,
 $\text{reropev}[2,2,2,1,5] = 1925/432$, $\text{reropev}[2,2,2,2,4] = 7315/1728$, $\text{reropev}[2,2,2,3,3] = -385/288$,
 $\text{reropev}[2,2,2,4,2] = 385/216$, $\text{reropev}[2,2,2,5,1] = -16555/864$, $\text{reropev}[2,2,3,1,4] = -5005/288$, $\text{reropev}[2,2,3,2,3] = 5005/1728$,
 $\text{reropev}[2,2,3,3,2] = -5005/1728$, $\text{reropev}[2,2,4,1,1] = 1925/576$, $\text{reropev}[2,2,4,1,3] = 385/54$, $\text{reropev}[2,2,4,2,2] = 385/288$,
 $\text{reropev}[2,2,4,3,1] = -1925/432$, $\text{reropev}[2,2,5,1,2] = -15785/432$, $\text{reropev}[2,2,5,2,1] = 25795/864$, $\text{reropev}[2,2,6,1,1] = 385/12$,
 $\text{reropev}[2,3,1,1,5] = -48125/1728$, $\text{reropev}[2,3,1,2,4] = -14245/576$, $\text{reropev}[2,3,1,3,3] = 8855/1728$, $\text{reropev}[2,3,1,4,2] = -7315/864$,
 $\text{reropev}[2,3,1,5,1] = 8855/192$, $\text{reropev}[2,3,2,1,4] = 36575/1728$, $\text{reropev}[2,3,2,2,3] = -385/576$, $\text{reropev}[2,3,2,3,2] = 385/108$,
 $\text{reropev}[2,3,2,4,1] = -9625/1728$, $\text{reropev}[2,3,3,1,3] = -11165/1728$, $\text{reropev}[2,3,3,2,2] = -1925/864$, $\text{reropev}[2,3,3,3,1] = 1925/576$,
 $\text{reropev}[2,3,4,1,2] = 385/72$, $\text{reropev}[2,3,4,2,1] = -1925/1728$, $\text{reropev}[2,3,5,1,1] = -1925/864$, $\text{reropev}[2,4,1,1,4] = 41965/1728$,
 $\text{reropev}[2,4,1,2,3] = 4235/1728$, $\text{reropev}[2,4,1,3,2] = 1925/288$, $\text{reropev}[2,4,1,4,1] = -25025/1728$,
 $\text{reropev}[2,4,2,1,3] = -1925/576$, $\text{reropev}[2,4,2,2,2] = 385/432$, $\text{reropev}[2,4,2,3,1] = -9625/1728$, $\text{reropev}[2,4,3,1,2] = -14245/1728$,
 $\text{reropev}[2,4,3,2,1] = 1925/288$, $\text{reropev}[2,4,4,1,1] = 9625/1728$, $\text{reropev}[2,5,1,1,3] = -60445/1728$, $\text{reropev}[2,5,1,2,2] = -35035/1728$,
 $\text{reropev}[2,5,1,3,1] = 95095/1728$, $\text{reropev}[2,5,2,1,2] = 41195/864$, $\text{reropev}[2,5,2,2,1] = -35035/1728$, $\text{reropev}[2,5,3,1,1] = -385/18$,
 $\text{reropev}[2,6,1,1,2] = 89705/1728$, $\text{reropev}[2,6,1,2,1] = -385/18$, $\text{reropev}[2,6,2,1,1] = -38885/1728$, $\text{reropev}[2,7,1,1,1] = -20405/864$,
 $\text{reropev}[3,1,1,1,6] = -9625/576$, $\text{reropev}[3,1,1,2,5] = -13475/864$, $\text{reropev}[3,1,1,3,4] = -25025/1728$,
 $\text{reropev}[3,1,1,4,3] = 385/144$, $\text{reropev}[3,1,1,5,2] = -2695/432$, $\text{reropev}[3,1,1,6,1] = 38885/864$, $\text{reropev}[3,1,2,1,5] = -25025/1728$,
 $\text{reropev}[3,1,2,2,4] = -1925/144$, $\text{reropev}[3,1,2,3,3] = 6545/1728$, $\text{reropev}[3,1,2,4,2] = -8855/1728$, $\text{reropev}[3,1,2,5,1] = 23485/576$,
 $\text{reropev}[3,1,3,1,4] = 52745/1728$, $\text{reropev}[3,1,3,2,3] = -385/96$, $\text{reropev}[3,1,3,3,2] = 4235/864$, $\text{reropev}[3,1,3,4,1] = -2695/432$,
 $\text{reropev}[3,1,4,1,3] = -20405/1728$, $\text{reropev}[3,1,4,2,2] = -5005/1728$, $\text{reropev}[3,1,4,3,1] = 4235/576$, $\text{reropev}[3,1,5]$

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