

```

#####
#####
### File "from_dipil_to_pil_via_Nep";
#####
#####
### restart;

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

heen:=proc(X): proc(p,q): if p=0 or p>op(-1,X) then 0 else (-1)^(1+nops(X)+summa(X)-p)*op(+1,X)*a[summa(X)-p] fi end: end:
heen0:=proc(X): (-1)^(nops(X)+summa(X))*op(+1,X)*a[summa(X)] end:

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

Nep:=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)*heen0(X)
+1/summa(X)*add(nep[p]*heen(X)(p),p=1..op(X)-1)
elif nops(X)>1 then
+1/summa(X)*add( nep[seq(op(k,X),k=1..i-1)]*heen0([seq(op(k,X),k=i..nops(X)])), i=1..nops(X))
+1/summa(X)*add(add( nep[seq(op(k,X),k=1..i-1),p,seq(op(k,X),k=j+1..nops(X))]*heen([seq(op(k,X),k=i..j)])(p),
p=1.. min(op(j,X),add(op(k,X),k=i..j)-1)), i=1..j),j=1..nops(X))
fi end:

#####
senop1:= [nop[1] = -1/2] : ##

senop2:= [nop[2] = -1/6, nop[1,1] = 1/3] : ##

senop3:= [nop[3] = 0, nop[1,2] = 0, nop[2,1] = 1/4, nop[1,1,1] = -1/4] : ##

senop4:= [nop[4] = 1/30, nop[1,3] = -2/15, nop[2,2] = 1/15, nop[3,1] = 1/10, nop[1,1,2] = 2/15,
nop[1,2,1] = -1/5, nop[2,1,1] = -7/30, nop[1,1,1,1] = 1/5] : ##

senop5:= [nop[5] = 0, nop[1,4] = 0, nop[2,3] = -1/4, nop[3,2] = 1/4, nop[4,1] = -1/12, nop[1,1,3] = 1/4,
nop[1,2,2] = -1/4, nop[1,3,1] = 1/12, nop[2,1,2] = 1/4, nop[2,2,1] = -1/6, nop[3,1,1] = -1/4, nop[1,1,1,2] = -1/4,
nop[1,1,2,1] = 1/6, nop[1,2,1,1] = 1/4, nop[2,1,1,1] = 1/6, nop[1,1,1,1,1] = -1/6] : ##

senop6:= [nop[6] = -1/42, nop[1,5] = 1/7, nop[2,4] = -3/14, nop[3,3] = 1/84, nop[4,2] = 13/84, nop[5,1] = -5/42, nop[1,1,4] = -1/7,
nop[1,2,3] = 5/14, nop[1,3,2] = -9/14, nop[1,4,1] = 5/14, nop[2,1,3] = 13/28, nop[2,2,2] = -1/28, nop[2,3,1] = 11/84,
nop[3,1,2] = -1/84, nop[3,2,1] = -11/42, nop[4,1,1] = -1/14, nop[1,1,1,3] = -5/14, nop[1,1,2,2] = 9/14, nop[1,1,3,1] = -5/14,
nop[1,2,1,2] = -5/14, nop[1,2,2,1] = 1/7, nop[1,3,1,1] = 13/42, nop[2,1,1,2] = -13/28, nop[2,1,2,1] = 5/42, nop[2,2,1,1] = 17/84,
nop[3,1,1,1] = 11/42, nop[1,1,1,1,2] = 5/14, nop[1,1,1,2,1] = -1/7, nop[1,1,2,1,1] = -13/42, nop[1,2,1,1,1] = -1/7,
nop[2,1,1,1,1] = -5/42, nop[1,1,1,1,1,1] = 1/7] : ##

senop7:= [nop[7] = 0, nop[1,6] = 0, nop[2,5] = 5/12, nop[3,4] = -5/6, nop[4,3] = 5/6, nop[5,2] = -5/12, nop[6,1] = 1/12, nop[1,1,5] = -5/12,
nop[1,2,4] = 5/6, nop[1,3,3] = -5/6, nop[1,4,2] = 5/12, nop[1,5,1] = -1/12, nop[2,1,4] = -5/12, nop[2,2,3] = 11/24,
nop[2,3,2] = -31/24, nop[2,4,1] = 3/4, nop[3,1,3] = 5/6, nop[3,2,2] = 5/6, nop[3,3,1] = -1/24, nop[4,1,2] = -5/6, nop[4,2,1] = -13/24,
nop[5,1,1] = 5/12, nop[1,1,1,4] = 5/12, nop[1,1,2,3] = -11/24, nop[1,1,3,2] = 31/24, nop[1,1,4,1] = -3/4, nop[1,2,1,3] = -5/6,
nop[1,2,2,2] = -5/6, nop[1,2,3,1] = 1/24, nop[1,3,1,2] = 5/6, nop[1,3,2,1] = 13/24, nop[1,4,1,1] = -5/12,
nop[2,1,1,3] = -11/24, nop[2,1,2,2] = 31/24, nop[2,1,3,1] = -3/4, nop[2,2,1,2] = -11/24, nop[2,2,2,1] = 1/8, nop[2,3,1,1] = 5/12,
nop[3,1,1,2] = -5/6, nop[3,1,2,1] = 1/24, nop[3,2,1,1] = 1/24, nop[4,1,1,1] = 13/24, nop[1,1,1,1,3] = 11/24, nop[1,1,1,2,2] = -31/24,
nop[1,1,1,3,1] = 3/4, nop[1,1,2,1,2] = 11/24, nop[1,1,2,2,1] = -1/8, nop[1,1,3,1,1] = -5/12, nop[1,2,1,1,2] = 5/6, nop[1,2,1,2,1] = -1/24,
nop[1,2,2,1,1] = -1/24, nop[1,3,1,1,1] = -13/24, nop[2,1,1,1,2] = 11/24, nop[2,1,1,2,1] = -1/8, nop[2,1,2,1,1] = -5/12,
nop[2,2,1,1,1] = -1/8, nop[3,1,1,1,1] = -1/24, nop[1,1,1,1,1,2] = -11/24, nop[1,1,1,1,2,1] =
1/8, nop[1,1,1,2,1,1] = 5/12, nop[1,1,2,1,1,1] = 1/8, nop[1,2,1,1,1,1] = 1/24, nop[2,1,1,1,1,1] = 1/8, nop[1,1,1,1,1,1,1] = -1/8] : ##

senop8:=
[nop[8] = 1/30, nop[1,7] = -4/15, nop[2,6] = 2/3, nop[3,5] = -29/45, nop[4,4] = 1/45, nop[5,3] = 11/18, nop[6,2] = -53/90,
nop[7,1] = 7/30, nop[1,1,6] = 4/15, nop[1,2,5] = -38/45, nop[1,3,4] = 112/45, nop[1,4,3] = -26/9, nop[1,5,2] = 104/45, nop[
1,6,1] = -14/15, nop[2,1,5] = -11/9, nop[2,2,4] = 4/9, nop[2,3,3] = -59/45, nop[2,4,2] = -26/45, nop[2,5,1] = 17/45, nop[3,
1,4] = 29/45, nop[3,2,3] = 121/90, nop[3,3,2] = -1/18, nop[3,4,1] = 37/45, nop[4,1,3] = -23/90, nop[4,2,2] = 19/90, nop[4,3
,1] = -37/45, nop[5,1,2] = -11/18, nop[5,2,1] = -1/18, nop[6,1,1] = 43/90, nop[1,1,1,5] = 38/45, nop[1,1,2,4] = -112/45,
nop[1,1,3,3] = 26/9, nop[1,1,4,2] = -104/45, nop[1,1,5,1] = 14/15, nop[1,2,1,4] = 38/45, nop[1,2,2,3] = -5/9, nop[1,2,3,2]
= 101/45, nop[1,2,4,1] = -58/45, nop[1,3,1,3] = -14/9, nop[1,3,2,2] = -154/45, nop[1,3,3,1] = 37/45, nop[1,4,1,2] = 26/9,
nop[1,4,2,1] = 11/9, nop[1,5,1,1] = -74/45, nop[2,1,1,4] = 11/9, nop[2,1,2,3] = -37/90, nop[2,1,3,2] = 257/90, nop[2,1,4,1]
= -67/45, nop[2,2,1,3] = -41/45, nop[2,2,2,2] = 1/45, nop[2,2,3,1] = -13/30, nop[2,3,1,2] = 59/45, nop[2,3,2,1] = 7/10, nop[
2,4,1,1] = -19/45, nop[3,1,1,3] = -121/90, nop[3,1,2,2] = 1/18, nop[3,1,3,1] = -37/45, nop[3,2,1,2] = -121/90, nop[3,2,2,1]
= -11/90, nop[3,3,1,1] = 1/9, nop[4,1,1,2] = 23/90, nop[4,1,2,1] = 53/90, nop[4,2,1,1] = 23/45, nop[5,1,1,1] = 1/18, nop[
1,1,1,1,4] = -38/45, nop[1,1,1,2,3] = 5/9, nop[1,1,1,3,2] = -101/45, nop[1,1,1,4,1] = 58/45, nop[1,1,2,1,3] = 14/9, nop[1,1
,2,2,2] = 154/45, nop[1,1,2,3,1] = -37/45, nop[1,1,3,1,2] = -26/9, nop[1,1,3,2,1] = -11/9, nop[1,1,4,1,1] = 74/45, nop[1,2,
1,1,3] = 5/9, nop[1,2,1,2,2] = -101/45, nop[1,2,1,3,1] = 58/45, nop[1,2,2,1,2] = 5/9, nop[1,2,2,2,1] = -1/9, nop[1,2,3,1,1]
= -26/45, nop[1,3,1,1,2] = 14/9, nop[1,3,1,2,1] = 1/9, nop[1,3,2,1,1] = 19/45, nop[1,4,1,1,1] = -11/9, nop[2,1,1,1,3] = 37/
90, nop[2,1,1,2,2] = -257/90, nop[2,1,1,3,1] = 67/45, nop[2,1,2,1,2] = 37/90, nop[2,1,2,2,1] = -13/90, nop[2,1,3,1,1] = -31
/45, nop[2,2,1,1,2] = 41/45, nop[2,2,1,2,1] = -1/30, nop[2,2,2,1,1] = -17/90, nop[2,3,1,1,1] = -7/10, nop[3,1,1,1,2] = 121/

```

90, nop[3,1,1,2,1] = 11/90, nop[3,1,2,1,1] = -1/9, nop[3,2,1,1,1] = 11/90, nop[4,1,1,1,1] = -53/90, nop[1,1,1,1,1,3] = -5/9
, nop[1,1,1,1,2,2] = 101/45, nop[1,1,1,1,3,1] = -58/45, nop[1,1,1,2,1,2] = -5/9, nop[1,1,1,2,2,1] = 1/9, nop[1,1,1,3,1,1] =
26/45, nop[1,1,2,1,1,2] = -14/9, nop[1,1,2,1,2,1] = -1/9, nop[1,1,2,2,1,1] = -19/45, nop[1,1,3,1,1,1] = 11/9, nop[1,2,1,1,1,
,2] = -5/9, nop[1,2,1,1,2,1] = 1/9, nop[1,2,1,2,1,1] = 26/45, nop[1,2,2,1,1,1] = 1/9, nop[1,3,1,1,1,1] = -1/9, nop[2,1,1,1,
1,2] = -37/90, nop[2,1,1,2,1] = 13/90, nop[2,1,1,2,1,1] = 31/45, nop[2,1,2,1,1,1] = 13/90, nop[2,2,1,1,1,1] = 1/30, nop[3
1,1,1,1,1] = -11/90, nop[1,1,1,1,1,2] = 5/9, nop[1,1,1,1,1,2,1] = -1/9, nop[1,1,1,1,2,1,1] = -26/45, nop[1,1,1,2,1,1,1]
= -1/9, nop[1,1,2,1,1,1,1] = 1/9, nop[1,2,1,1,1,1,1] = -1/9, nop[2,1,1,1,1,1,1] = -13/90, nop[1,1,1,1,1,1,1,1] = 1/9 : ##

senop9:=

[nop[9] = 0, nop[1,8] = 0, nop[2,7] = -21/20, nop[3,6] = 63/20, nop[4,5] = -21/4, nop[5,4] = 21/4, nop[6,3] = -63/20, nop[7
,2] = 21/20, nop[8,1] = -3/20, nop[1,1,7] = 21/20, nop[1,2,6] = -63/20, nop[1,3,5] = 21/4, nop[1,4,4] = -21/4, nop[1,5,3] =
63/20, nop[1,6,2] = -21/20, nop[1,7,1] = 3/20, nop[2,1,6] = 21/20, nop[2,2,5] = -29/20, nop[2,3,4] = 121/20, nop[2,4,3] = -
71/10, nop[2,5,2] = 67/10, nop[2,6,1] = -3, nop[3,1,5] = -63/20, nop[3,2,4] = -63/20, nop[3,3,3] = 0, nop[3,4,2] = -63/10,
nop[3,5,1] = 29/10, nop[4,1,4] = 21/4, nop[4,2,3] = 21/5, nop[4,3,2] = 63/10, nop[4,4,1] = -1/10, nop[5,1,3] = -21/4, nop[5
,2,2] = -21/4, nop[5,3,1] = -11/4, nop[6,1,2] = 63/20, nop[6,2,1] = 53/20, nop[7,1,1] = -21/20, nop[1,1,1,6] = -21/20, nop[
1,1,2,5] = 29/20, nop[1,1,3,4] = -121/20, nop[1,1,4,3] = 71/10, nop[1,1,5,2] = -67/10, nop[1,1,6,1] = 3, nop[1,2,1,5] = 63/
nop[1,2,2,4] = 63/20, nop[1,2,3,3] = 0, nop[1,2,4,2] = 63/10, nop[1,2,5,1] = -29/10, nop[1,3,1,4] = -21/4, nop[1,3,2,3]
= -21/5, nop[1,3,3,2] = -63/10, nop[1,3,4,1] = 1/10, nop[1,4,1,3] = 21/4, nop[1,4,2,2] = 21/4, nop[1,4,3,1] = 11/4, nop[1,5
,1,2] = -63/20, nop[1,5,2,1] = -53/20, nop[1,6,1,1] = 21/20, nop[2,1,1,5] = 29/20, nop[2,1,2,4] = -121/20, nop[2,1,3,3] =
71/10, nop[2,1,4,2] = -67/10, nop[2,1,5,1] = 3, nop[2,2,1,4] = 29/20, nop[2,2,2,3] = -13/20, nop[2,2,3,2] = 71/20, nop[2,2,
4,1] = -2, nop[2,3,1,3] = -29/10, nop[2,3,2,2] = -46/5, nop[2,3,3,1] = 11/4, nop[2,4,1,2] = 71/10, nop[2,4,2,1] = 13/5, nop
[2,5,1,1] = -21/5, nop[3,1,1,4] = 63/20, nop[3,1,2,3] = 0, nop[3,1,3,2] = 63/10, nop[3,1,4,1] = -29/10, nop[3,2,1,3] = 0,
nop[3,2,2,2] = 63/10, nop[3,2,3,1] = -29/10, nop[3,3,1,2] = 0, nop[3,3,2,1] = 1/4, nop[3,4,1,1] = 13/10, nop[4,1,1,3] = -21
/5, nop[4,1,2,2] = -63/10, nop[4,1,3,1] = 1/10, nop[4,2,1,2] = -21/5, nop[4,2,2,1] = -19/20, nop[4,3,1,1] = -13/10, nop[5,1
,1,2] = 21/4, nop[5,1,2,1] = 11/4, nop[5,2,1,1] = 11/4, nop[6,1,1,1] = -53/20, nop[1,1,1,1,5] = -29/20, nop[1,1,1,2,4]
= 121/20, nop[1,1,1,3,3] = -71/10, nop[1,1,1,4,2] = 67/10, nop[1,1,1,5,1] = -3, nop[1,1,2,1,4] = -29/20, nop[1,1,2,2,3] = 13/
20, nop[1,1,2,3,2] = -71/20, nop[1,1,2,4,1] = 2, nop[1,1,3,1,3] = 29/10, nop[1,1,3,2,2] = 46/5, nop[1,1,3,3,1] = -11/4, nop
[1,1,4,1,2] = -71/10, nop[1,1,4,2,1] = -13/5, nop[1,1,5,1,1] = 21/5, nop[1,2,1,1,4] = -63/20, nop[1,2,1,2,3] = 0, nop[1,2,1
,3,2] = -63/10, nop[1,2,1,4,1] = 29/10, nop[1,2,2,1,3] = 0, nop[1,2,2,2,2] = -63/10, nop[1,2,2,3,1] = 29/10, nop[1,2,3,1,2]
= 0, nop[1,2,3,2,1] = -1/4, nop[1,2,4,1,1] = -13/10, nop[1,3,1,1,3] = 21/5, nop[1,3,1,2,2] = 63/10, nop[1,3,1,3,1] = -1/10,
nop[1,3,2,1,2] = 21/5, nop[1,3,2,2,1] = 19/20, nop[1,3,3,1,1] = 13/10, nop[1,4,1,1,2] = -21/4, nop[1,4,1,2,1] = -11/4, nop
[1,4,2,1,1] = -11/4, nop[1,5,1,1,1] = 53/20, nop[2,1,1,1,4] = -29/20, nop[2,1,1,2,3] = 13/20, nop[2,1,1,3,2] = -71/20, nop[2
,1,1,4,1] = 2, nop[2,1,2,1,3] = 29/10, nop[2,1,2,2,2] = 46/5, nop[2,1,2,3,1] = -11/4, nop[2,1,3,1,2] = -71/10, nop[2,1,3,2,
1] = -13/5, nop[2,1,4,1,1] = 21/5, nop[2,2,1,1,3] = 13/20, nop[2,2,1,2,2] = -71/20, nop[2,2,1,3,1] = 2, nop[2,2,2,1,2] = 13
/20, nop[2,2,2,2,1] = -1/10, nop[2,2,3,1,1] = -4/5, nop[2,3,1,1,2] = 29/10, nop[2,3,1,2,1] = 2/5, nop[2,3,2,1,1] = 29/20,
nop[2,4,1,1,1] = -13/5, nop[3,1,1,1,3] = 0, nop[3,1,1,2,2] = -63/10, nop[3,1,1,3,1] = 29/10, nop[3,1,2,1,2] = 0, nop[3,1,2
,2,1] = -1/4, nop[3,1,3,1,1] = -13/10, nop[3,2,1,1,2] = 0, nop[3,2,1,2,1] = -1/4, nop[3,2,2,1,1] = -13/10, nop[3,3,1,1,1]
= -1/4, nop[4,1,1,1,2] = 21/5, nop[4,1,1,2,1] = 19/20, nop[4,1,2,1,1] = 13/10, nop[4,2,1,1,1] = 19/20, nop[5,1,1,1,1] = -11/4
, nop[1,1,1,1,1,4] = 29/20, nop[1,1,1,1,2,3] = -13/20, nop[1,1,1,1,3,2] = 71/20, nop[1,1,1,1,4,1] = -2, nop[1,1,1,2,1,3] =
-29/10, nop[1,1,1,2,2,2] = -46/5, nop[1,1,1,2,3,1] = 11/4, nop[1,1,1,3,1,2] = 71/10, nop[1,1,1,3,2,1] = 13/5, nop[1,1,1,4,1
,1] = -21/5, nop[1,1,2,1,1,3] = -13/20, nop[1,1,2,1,2,2] = 71/20, nop[1,1,2,1,3,1] = -2, nop[1,1,2,2,1,2] = -13/20, nop[1,1
,2,2,2,1] = 1/10, nop[1,1,2,3,1,1] = 4/5, nop[1,1,3,1,1,2] = -29/10, nop[1,1,3,1,2,1] = -2/5, nop[1,1,3,2,1,1] = -29/20,
nop[1,1,4,1,1,1] = 13/5, nop[1,2,1,1,1,3] = 0, nop[1,2,1,1,2,2] = 63/10, nop[1,2,1,1,3,1] = -29/10, nop[1,2,1,2,1,2] = 0,
nop[1,2,1,2,2,1] = 1/4, nop[1,2,1,3,1,1] = 13/10, nop[1,2,2,1,1,2] = 0, nop[1,2,2,1,2,1] = 1/4, nop[1,2,2,2,1,1] = 13/10,
nop[1,2,3,1,1,1] = 1/4, nop[1,3,1,1,1,2] = -21/5, nop[1,3,1,1,2,1] = -19/20, nop[1,3,1,2,1,1] = -13/10, nop[1,3,2,1,1,1] =
-19/20, nop[1,4,1,1,1,1] = 11/4, nop[2,1,1,1,1,3] = -13/20, nop[2,1,1,1,2,2] = 71/20, nop[2,1,1,1,3,1] = -2, nop[2,1,1,2,1,
2] = -13/20, nop[2,1,1,2,2,1] = 1/10, nop[2,1,1,3,1,1] = 4/5, nop[2,1,2,1,1,2] = -29/10, nop[2,1,2,1,2,1] = -2/5, nop[2,1,2
,2,1,1] = -29/20, nop[2,1,3,1,1,1] = 13/5, nop[2,2,1,1,1,2] = -13/20, nop[2,2,1,1,2,1] = 1/10, nop[2,2,1,2,1,1] = 4/5, nop
[2,2,2,1,1,1] = 1/10, nop[2,3,1,1,1,1] = -2/5, nop[3,1,1,1,1,2] = 0, nop[3,1,1,1,2,1] = 1/4, nop[3,1,1,2,1,1] = 13/10, nop[3
,1,2,1,1,1] = 1/4, nop[3,2,1,1,1,1] = 1/4, nop[4,1,1,1,1,1] = -19/20, nop[1,1,1,1,1,1,3] = 13/20, nop[1,1,1,1,1,2,2] = -71/
20, nop[1,1,1,1,1,3,1,1] = 2, nop[1,1,1,1,1,2,2,1] = -1/10, nop[1,1,1,1,1,3,1,1] = -4/5, nop[1,1,1,1,1,2,1,1] = 2, nop[1,1,1,1,1,2,
1,1,2] = 29/10, nop[1,1,1,2,1,2,1] = 2/5, nop[1,1,1,2,2,1,1] = 29/20, nop[1,1,1,3,1,1,1] = -13/5, nop[1,1,2,1,1,1,1] = 13/
20, nop[1,1,2,1,1,2,1] = -1/10, nop[1,1,2,1,2,1,1] = -4/5, nop[1,1,2,2,1,1,1] = -1/10, nop[1,1,3,1,1,1,1] = 2/5, nop[1,2,1,
1,1,1,2] = 0, nop[1,2,1,1,1,2,1] = -1/4, nop[1,2,1,1,2,1,1] = -13/10, nop[1,2,1,2,1,1,1] = -1/4, nop[1,2,2,1,1,1,1] = -1/4,
nop[1,3,1,1,1,1,1] = 19/20, nop[2,1,1,1,1,1,1,2] = 13/20, nop[2,1,1,1,1,2,1] = -1/10, nop[2,1,1,1,2,1,1] = -4/5, nop[2,1,1,2,
1,1,1] = -1/10, nop[2,1,2,1,1,1,1] = 2/5, nop[2,2,1,1,1,1,1] = -1/10, nop[3,1,1,1,1,1,1] = -1/4, nop[1,1,1,1,1,1,1,2] = -13
/20, nop[1,1,1,1,1,1,2,1] = 1/10, nop[1,1,1,1,1,2,1,1] = 4/5, nop[1,1,1,1,2,1,1,1] = 1/10, nop[1,1,1,2,1,1,1,1] = -2/5, nop
[1,1,2,1,1,1,1,1] = 1/10, nop[1,2,1,1,1,1,1,1] = 1/4, nop[2,1,1,1,1,1,1,1] = 1/10, nop[1,1,1,1,1,1,1,1,1] = -1/10 : ##

senop10:=

[nop[10] = -5/66, nop[1,9] = 25/33, nop[2,8] = -175/66, nop[3,7] = 619/132, nop[4,6] = -557/132, nop[5,5] = 5/132, nop[6,4]
= 545/132, nop[7,3] = -203/44, nop[8,2] = 109/44, nop[9,1] = -15/22, nop[1,1,8] = -25/33, nop[1,2,7] = 181/66, nop[1,3,6] =
-743/66, nop[1,4,5] = 1325/66, nop[1,5,4] = -1645/66, nop[1,6,3] = 427/22, nop[1,7,2] = -233/22, nop[1,8,1] = 75/22, nop[2,
1,7] = 581/132, nop[2,2,6] = -343/132, nop[2,3,5] = 1285/132, nop[2,4,4] = -365/132, nop[2,5,3] = 3/44, nop[2,6,2] = 311/44
, nop[2,7,1] = -173/44, nop[3,1,6] = -619/132, nop[3,2,5] = -949/132, nop[3,3,4] = 41/132, nop[3,4,3] = -623/66, nop[3,5,2]
= -161/66, nop[3,6,1] = -3/11, nop[4,1,5] = 667/132, nop[4,2,4] = 337/132, nop[4,3,3] = 201/22, nop[4,4,2] = 3/22, nop[4,5,
1] = 175/33, nop[5,1,4] = -5/132, nop[5,2,3] = -335/132, nop[5,3,2] = 325/132, nop[5,4,1] = -60/11, nop[6,1,3] = -479/132,
nop[6,2,2] = -611/132, nop[6,3,1] = 5/11, nop[7,1,2] = 203/44, nop[7,2,1] = 63/22, nop[8,1,1] = -49/22, nop[1,1,1,7] = -181
/66, nop[1,1,2,6] = 743/66, nop[1,1,3,5] = -1325/66, nop[1,1,4,4] = 1645/66, nop[1,1,5,3] = -427/22, nop[1,1,6,2] = 233/22,
nop[1,1,7,1] = -75/22, nop[1,2,1,6] = -181/66, nop[1,2,2,5] = 149/66, nop[1,2,3,4] = -841/66, nop[1,2,4,3] = 487/33, nop[1,2,
5,2] = -503/33, nop[1,2,6,1] = 78/11, nop[1,3,1,5] = 523/66, nop[1,3,2,4] = 1183/66, nop[1,3,3,3] = -98/11, nop[1,3,4,2]
= 309/11, nop[1,3,5,1] = -415/33, nop[1,4,1,4] = -1325/66, nop[1,4,2,3] = -415/33, nop[1,4,3,2] = -910/33, nop[1,4,4,1] =
45/11, nop[1,5,1,3] = 1447/66, nop[1,5,2,2] = 1843/66, nop[1,5,3,1] = 145/22, nop[1,6,1,2] = -427/22, nop[1,6,2,1] = -273/
22, nop[1,7,1,1] = 189/22, nop[2,1,1,6] = -581/132, nop[2,1,2,5] = 63/44, nop[2,1,3,4] = -707/44, nop[2,1,4,3] = 1123/66,
nop[2,1,5,2] = -1319/66, nop[2,1,6,1] = 101/11, nop[2,2,1,5] = 563/132, nop[2,2,2,4] = -97/132, nop[2,2,3,3] = 57/11, nop[2
,2,4,2] = 37/22, nop[2,2,5,1] = -43/66, nop[2,3,1,4] = -1285/132, nop[2,3,2,3] = -461/66, nop[2,3,3,2] = -412/33, nop[2,3,4
,1] = 67/66, nop[2,4,1,3] = 959/132, nop[2,4,2,2] = -229/132, nop[2,4,3,1] = 1135/132, nop[2,5,1,2] = -3/44, nop[2,5,2,1] =
-383/132, nop[2,6,1,1] = -91/44, nop[3,1,1,5] = 949/132, nop[3,1,2,4] = -41/132, nop[3,1,3,3] = 623/66, nop[3,1,4,2] = 161/
66, nop[3,1,5,1] = 3/11, nop[3,2,1,4] = 949/132, nop[3,2,2,3] = 223/132, nop[3,2,3,2] = 1675/132, nop[3,2,4,1] = -52/11,

nop[3,3,1,3] = -37/66, nop[3,3,2,2] = -2/33, nop[3,3,3,1] = 1/44, nop[3,4,1,2] = 623/66, nop[3,4,2,1] = 36/11, nop[3,5,1,1] = -79/33, nop[4,1,1,4] = -667/132, nop[4,1,2,3] = -865/132, nop[4,1,3,2] = -469/132, nop[4,1,4,1] = -40/11, nop[4,2,1,3] = -383/66, nop[4,2,2,2] = 23/33, nop[4,2,3,1] = -689/132, nop[4,3,1,2] = -201/22, nop[4,3,2,1] = -98/33, nop[4,4,1,1] = 1/33, nop[5,1,1,3] = 335/132, nop[5,1,2,2] = -325/132, nop[5,1,3,1] = 60/11, nop[5,2,1,2] = 335/132, nop[5,2,2,1] = 65/22, nop[5,3,1,1] = 70/33, nop[6,1,1,2] = 479/132, nop[6,1,2,1] = 1/22, nop[6,2,1,1] = 7/33, nop[7,1,1,1] = -63/22, nop[1,1,1,1,6] = 181/66, nop[1,1,1,2,5] = -149/66, nop[1,1,1,3,4] = 841/66, nop[1,1,1,4,3] = -487/33, nop[1,1,1,5,2] = 503/33, nop[1,1,1,6,1] = -78/11, nop[1,1,2,1,5] = -523/66, nop[1,1,2,2,4] = -1183/66, nop[1,1,2,3,3] = 98/11, nop[1,1,2,4,2] = -309/11, nop[1,1,2,5,1] = 415/33, nop[1,1,3,1,4] = 1325/66, nop[1,1,3,2,3] = 415/33, nop[1,1,3,3,2] = 910/33, nop[1,1,3,4,1] = -45/11, nop[1,1,4,1,3] = -1447/66, nop[1,1,4,2,2] = -1843/66, nop[1,1,4,3,1] = -145/22, nop[1,1,5,1,2] = 427/22, nop[1,1,5,2,1] = 273/22, nop[1,1,6,1,1] = -189/22, nop[1,2,1,1,5] = -149/66, nop[1,2,1,2,4] = 841/66, nop[1,2,1,3,3] = -487/33, nop[1,2,1,4,2] = 503/33, nop[1,2,1,5,1] = -78/11, nop[1,2,2,1,4] = -149/66, nop[1,2,2,2,3] = 49/66, nop[1,2,2,3,2] = -347/66, nop[1,2,2,4,1] = 32/11, nop[1,2,3,1,3] = 173/33, nop[1,2,3,2,2] = 668/33, nop[1,2,3,3,1] = -145/22, nop[1,2,4,1,2] = -487/33, nop[1,2,4,2,1] = -56/11, nop[1,2,5,1,1] = 98/11, nop[1,3,1,1,4] = -523/66, nop[1,3,1,2,3] = -47/33, nop[1,3,1,3,2] = -476/33, nop[1,3,1,4,1] = 65/11, nop[1,3,2,1,3] = -146/33, nop[1,3,2,2,2] = -1037/33, nop[1,3,2,3,1] = 404/33, nop[1,3,3,1,2] = 98/11, nop[1,3,3,2,1] = 181/66, nop[1,3,4,1,1] = -311/33, nop[1,4,1,1,3] = 415/33, nop[1,4,1,2,2] = 910/33, nop[1,4,1,3,1] = -45/11, nop[1,4,2,1,2] = 415/33, nop[1,4,2,2,1] = 75/22, nop[1,4,3,1,1] = 65/11, nop[1,5,1,1,2] = -1447/66, nop[1,5,1,2,1] = -211/22, nop[1,5,2,1,1] = -233/22, nop[1,6,1,1,1] = 273/22, nop[2,1,1,1,5] = -63/44, nop[2,1,1,2,4] = 707/44, nop[2,1,1,3,3] = -1123/66, nop[2,1,1,4,2] = 1319/66, nop[2,1,1,5,1] = -101/11, nop[2,1,2,1,4] = -63/44, nop[2,1,2,2,3] = 47/44, nop[2,1,2,3,2] = -173/44, nop[2,1,2,4,1] = 82/33, nop[2,1,3,1,3] = 139/22, nop[2,1,3,2,2] = 284/11, nop[2,1,3,3,1] = -1135/132, nop[2,1,4,1,2] = -1123/66, nop[2,1,4,2,1] = -193/33, nop[2,1,5,1,1] = 119/11, nop[2,2,1,1,4] = -563/132, nop[2,2,1,2,3] = -1/66, nop[2,2,1,3,2] = -281/33, nop[2,2,1,4,1] = 263/66, nop[2,2,2,1,3] = 49/33, nop[2,2,2,2,2] = -1/66, nop[2,2,2,3,1] = 9/11, nop[2,2,2,3,1,2] = -57/11, nop[2,2,3,2,1] = -85/44, nop[2,2,4,1,1] = 109/66, nop[2,3,1,1,3] = 461/66, nop[2,3,1,2,2] = 412/33, nop[2,3,1,3,1] = -67/66, nop[2,3,2,1,2] = 461/66, nop[2,3,2,2,1] = 229/132, nop[2,3,3,1,1] = 175/66, nop[2,4,1,1,2] = -959/132, nop[2,4,1,2,1] = -541/132, nop[2,4,2,1,1] = -343/132, nop[2,5,1,1,1] = 383/132, nop[3,1,1,1,4] = -949/132, nop[3,1,1,2,3] = -223/132, nop[3,1,1,3,2] = -1675/132, nop[3,1,1,4,1] = 52/11, nop[3,1,2,1,3] = 37/66, nop[3,1,2,2,2] = 2/33, nop[3,1,2,3,1] = -1/44, nop[3,1,3,1,2] = -623/66, nop[3,1,3,2,1] = -36/11, nop[3,1,4,1,1] = 79/33, nop[3,2,1,1,3] = -223/132, nop[3,2,1,2,2] = -1675/132, nop[3,2,1,3,1] = 52/11, nop[3,2,2,1,2] = -223/132, nop[3,2,2,2,1] = -17/22, nop[3,2,3,1,1] = -86/33, nop[3,3,1,1,2] = 37/66, nop[3,3,1,2,1] = -3/11, nop[3,3,2,1,1] = -47/132, nop[3,4,1,1,1] = -36/11, nop[4,1,1,1,3] = 865/132, nop[4,1,1,2,2] = 18/11, nop[4,2,1,1,2] = 383/66, nop[4,2,1,2,1] = 65/33, nop[4,2,2,1,1] = 39/44, nop[4,3,1,1,1] = 98/33, nop[5,1,1,1,2] = -335/132, nop[5,1,1,2,1] = -65/22, nop[5,1,2,1,1] = -70/33, nop[5,2,1,1,1] = -65/22, nop[6,1,1,1,1] = -1/22, nop[1,1,1,1,1,5] = 149/66, nop[1,1,1,1,2,4] = -841/66, nop[1,1,1,1,3,3] = 487/33, nop[1,1,1,1,4,2] = -503/33, nop[1,1,1,1,5,1] = 78/11, nop[1,1,1,2,1,4] = 149/66, nop[1,1,1,2,2,3] = -49/66, nop[1,1,1,2,3,2] = 347/66, nop[1,1,1,2,4,1] = -32/11, nop[1,1,1,3,1,3] = -173/33, nop[1,1,1,3,2,2] = -668/33, nop[1,1,1,3,3,1] = 145/22, nop[1,1,1,4,1,2] = 487/33, nop[1,1,1,4,2,1] = 56/11, nop[1,1,1,5,1,1] = -98/11, nop[1,1,2,1,1,4] = 523/66, nop[1,1,2,1,2,3] = 47/33, nop[1,1,2,1,3,2] = 476/33, nop[1,1,2,1,4,1] = -65/11, nop[1,1,2,2,1,3] = 146/33, nop[1,1,2,2,2,2] = 1037/33, nop[1,1,2,2,3,1] = -404/33, nop[1,1,2,3,1,2] = -98/11, nop[1,1,2,3,2,1] = -181/66, nop[1,1,2,4,1,1] = 311/33, nop[1,1,3,1,1,3] = -415/33, nop[1,1,3,1,2,2] = -910/33, nop[1,1,3,1,3,1] = 45/11, nop[1,1,3,2,1,2] = -415/33, nop[1,1,3,2,2,1] = -75/22, nop[1,1,3,3,1,1] = -65/11, nop[1,1,4,1,1,2] = 1447/66, nop[1,1,4,1,2,1] = 211/22, nop[1,1,4,2,1,1] = 233/22, nop[1,1,5,1,1,1] = -273/22, nop[1,2,1,1,1,4] = 149/66, nop[1,2,1,1,2,3] = -49/66, nop[1,2,1,1,3,2] = 347/66, nop[1,2,1,1,4,1] = -32/11, nop[1,2,1,2,1,3] = -173/33, nop[1,2,1,2,2,2] = -668/33, nop[1,2,1,2,3,1] = 145/22, nop[1,2,1,3,1,2] = 487/33, nop[1,2,1,3,2,1] = 56/11, nop[1,2,1,4,1,1] = -98/11, nop[1,2,2,1,1,3] = -49/66, nop[1,2,2,1,2,2] = 347/66, nop[1,2,2,1,3,1] = -32/11, nop[1,2,2,2,1,2] = -49/66, nop[1,2,2,2,2,1] = 1/11, nop[1,2,2,3,1,1] = 12/11, nop[1,2,3,1,1,2] = -173/33, nop[1,2,3,1,2,1] = -10/11, nop[1,2,3,2,1,1] = -75/22, nop[1,2,4,1,1,1] = 56/11, nop[1,3,1,1,1,3] = 47/33, nop[1,3,1,1,2,2] = 476/33, nop[1,3,1,1,3,1] = -65/11, nop[1,3,1,2,1,2] = 47/33, nop[1,3,1,2,2,1] = 13/22, nop[1,3,1,3,1,1] = 91/33, nop[1,3,2,1,1,2] = 146/33, nop[1,3,2,1,2,1] = 83/66, nop[1,3,2,2,1,1] = 190/33, nop[1,3,3,1,1,1] = -181/66, nop[1,4,1,1,1,2] = -415/33, nop[1,4,1,1,2,1] = -75/22, nop[1,4,1,2,1,1] = -65/11, nop[1,4,2,1,1,1] = -75/22, nop[1,5,1,1,1,1] = 211/22, nop[2,1,1,1,1,4] = 63/44, nop[2,1,1,1,2,3] = -47/44, nop[2,1,1,1,3,2] = 173/44, nop[2,1,1,1,4,1] = -82/33, nop[2,1,1,2,1,3] = -139/22, nop[2,1,1,2,2,2] = -284/11, nop[2,1,1,2,3,1] = 1135/132, nop[2,1,1,3,1,2] = 1123/66, nop[2,1,1,3,2,1] = 193/33, nop[2,1,1,4,1,1] = -119/11, nop[2,1,2,1,1,3] = -47/44, nop[2,1,2,1,2,2] = 173/44, nop[2,1,2,1,3,1] = -82/33, nop[2,1,2,2,1,2] = -47/44, nop[2,1,2,2,2,1] = 1/66, nop[2,1,2,3,1,1] = 28/33, nop[2,1,3,1,1,2] = -139/22, nop[2,1,3,1,2,1] = -38/33, nop[2,1,3,2,1,1] = -581/132, nop[2,1,4,1,1,1] = 193/33, nop[2,2,1,1,1,3] = 1/66, nop[2,2,1,1,2,2] = 281/33, nop[2,2,1,1,3,1] = -263/66, nop[2,2,1,2,1,2] = 1/66, nop[2,2,1,2,2,1] = 35/132, nop[2,2,1,3,1,1] = 37/22, nop[2,2,2,1,1,2] = -49/33, nop[2,2,2,1,2,1] = -3/44, nop[2,2,2,2,1,1] = 2/11, nop[2,2,3,1,1,1] = 85/44, nop[2,3,1,1,1,2] = -461/66, nop[2,3,1,1,2,1] = -229/132, nop[2,3,1,2,1,1] = -175/66, nop[2,3,2,1,1,1] = -229/132, nop[2,4,1,1,1,1] = 541/132, nop[3,1,1,1,1,3] = 223/132, nop[3,1,1,1,2,2] = 1675/132, nop[3,1,1,1,3,1] = -52/11, nop[3,1,1,2,1,2] = 223/132, nop[3,1,1,2,2,1] = 17/22, nop[3,1,1,3,1,1] = 86/33, nop[3,1,2,1,1,2] = -37/66, nop[3,1,2,1,2,1] = 3/11, nop[3,1,2,2,1,1] = 47/132, nop[3,1,3,1,1,1] = 36/11, nop[3,2,1,1,1,2] = 223/132, nop[3,2,1,1,2,1] = 17/22, nop[3,2,1,2,1,1] = 86/33, nop[3,2,2,1,1,1] = 17/22, nop[3,3,1,1,1,1] = 3/11, nop[4,1,1,1,1,2] = -865/132, nop[4,1,1,1,2,1] = -47/22, nop[4,1,1,2,1,1] = -18/11, nop[4,1,2,1,1,1] = -47/22, nop[4,2,1,1,1,1] = -65/33, nop[5,1,1,1,1,1] = 65/22, nop[1,1,1,1,1,1,4] = -149/66, nop[1,1,1,1,1,2,3] = 49/66, nop[1,1,1,1,1,3,2] = -347/66, nop[1,1,1,1,1,4,1] = 32/11, nop[1,1,1,1,2,1,3] = 173/33, nop[1,1,1,1,2,2,2] = 668/33, nop[1,1,1,1,2,3,1] = -145/22, nop[1,1,1,1,3,1,2] = -487/33, nop[1,1,1,1,3,2,1] = -56/11, nop[1,1,1,1,4,1,1] = 98/11, nop[1,1,1,1,2,1,3] = 49/66, nop[1,1,1,2,3,1,1] = -12/11, nop[1,1,1,3,1,1,2] = 173/33, nop[1,1,1,3,1,2,1] = 10/11, nop[1,1,1,3,2,1,1] = 75/22, nop[1,1,1,4,1,1,1] = -56/11, nop[1,1,2,1,1,1,3] = -47/33, nop[1,1,2,1,1,2,2] = -476/33, nop[1,1,2,1,1,3,1] = 65/11, nop[1,1,2,1,2,1,2] = -47/33, nop[1,1,2,1,2,2,1] = -13/22, nop[1,1,2,1,3,1,1] = -91/33, nop[1,1,2,2,1,1,2] = -146/33, nop[1,1,2,2,1,2,1] = -83/66, nop[1,1,2,2,2,1,1] = -190/33, nop[1,1,2,3,1,1,1] = 181/66, nop[1,1,3,1,1,1,2] = 415/33, nop[1,1,3,1,1,2,1] = 75/22, nop[1,1,3,1,2,1,1] = 65/11, nop[1,1,3,2,1,1,1] = 75/22, nop[1,1,4,1,1,1,1] = -211/22, nop[1,2,1,1,1,1,3] = 49/66, nop[1,2,1,1,1,2,2] = -347/66, nop[1,2,1,1,1,3,1] = 32/11, nop[1,2,1,1,2,1,2] = 49/66, nop[1,2,1,1,2,2,1] = -1/11, nop[1,2,1,1,3,1,1] = -12/11, nop[1,2,1,2,1,1,2] = 173/33, nop[1,2,1,2,1,2,1] = 10/11, nop[1,2,1,2,2,1,1] = 75/22, nop[1,2,1,3,1,1,1] = -56/11, nop[1,2,2,1,1,1,2] = 49/66, nop[1,2,2,1,1,2,1] = -1/11, nop[1,2,2,1,2,1,1] = -12/11, nop[1,2,2,2,1,1,1] = -1/11, nop[1,2,3,1,1,1,1] = 10/11, nop[1,3,1,1,1,1,2] = -47/33, nop[1,3,1,1,1,2,1] = -13/22, nop[1,3,1,1,2,1,1] = -91/33, nop[1,3,1,2,1,1,1] = -13/22, nop[1,3,2,1,1,1,1] = -83/66, nop[1,4,1,1,1,1,1] = 75/22, nop[2,1,1,1,1,1,3] = 47/44, nop[2,1,1,1,1,2,2] = -173/44, nop[2,1,1,1,1,3,1] = 82/33, nop[2,1,1,1,2,1,2] = 47/44, nop[2,1,1,1,2,2,1] = -1/66, nop[2,1,1,1,3,1,1] = -28/33, nop[2,1,1,2,1,1,1] = 139/22, nop[2,1,1,2,1,2,1] = 38/33, nop[2,1,1,2,2,1,1] = 581/132, nop[2,1,1,3,1,1,1] = -193/33, nop[2,1,2,1,1,1,2] = 47/44, nop[2,1,2,1,1,2,1] = -1/66, nop[2,1,2,1,2,1,1] = -28/33, nop[2,1,2,2,1,1,1] = -1/66, nop[2,1,3,1,1,1,1] = 38/33, nop[2,2,1,1,1,1,2] = -1/66, nop[2,2,1,1,1,2,1] = -35/132, nop[2,2,1,1,2,1,1] = -37/22, nop[2,2,1,2,1,1,1] = -35/132, nop[2,2,2,1,1,1,1] = 3/44, nop[2,3,1,1,1,1,1] = 229/132, nop[3,1,1,1,1,1,2] = -223/132, nop[3,1,1,1,1,2,1] = -17/22, nop[3,1,1,1,2,1,1] = -86/33, nop[3,1,1,2,1,1,1] = -17/22, nop[3,1,2,1,1,1,1] = -3/11, nop[3,2,1,1,1,1,1] = -17/22, nop[4,1,1,1,1,1,1] = 47/22, nop[1,1,1,1,1,1,1,3] = -49/66, nop[1,1,1,1,1,1,1,2,2] = 347/66, nop[1,1,1,1,1,1,1,3,1] = -32/11, nop[1

,1,1,1,2,1,2] = -49/66, nop[1,1,1,1,2,2,1] = 1/11, nop[1,1,1,1,3,1,1] = 12/11, nop[1,1,1,2,1,1,2] = -173/33, nop[1,1,1,2,1,2,1] = -10/11, nop[1,1,1,2,2,1,1] = -75/22, nop[1,1,1,3,1,1,1] = 56/11, nop[1,1,2,1,1,1,2] = -49/66, nop[1,1,2,1,1,2,1] = 1/11, nop[1,1,2,2,1,1,1] = 12/11, nop[1,1,2,2,1,1,1] = 1/11, nop[1,1,3,1,1,1,1] = -10/11, nop[1,1,2,1,1,1,2] = 47/33, nop[1,1,2,1,1,2,1] = 13/22, nop[1,1,2,1,2,1,1] = 91/33, nop[1,1,2,2,1,1,1] = 13/22, nop[1,1,2,2,1,1,1] = 83/66, nop[1,1,3,1,1,1,1] = -75/22, nop[1,2,1,1,1,1,2] = -49/66, nop[1,2,1,1,1,2,1] = 1/11, nop[1,2,1,1,1,2,1,1] = 12/11, nop[1,2,1,2,1,1,1] = 1/11, nop[1,2,2,1,1,1,1] = 1/11, nop[1,3,1,1,1,1,1] = 13/22, nop[2,1,1,1,1,1,2] = -47/44, nop[2,1,1,1,1,2,1] = 1/66, nop[2,1,1,1,2,1,1] = 28/33, nop[2,1,1,2,1,1,1] = 1/66, nop[2,1,2,1,1,1,1] = -38/33, nop[2,2,1,1,1,1,1] = 1/66, nop[2,2,1,1,1,1,1] = 35/132, nop[3,1,1,1,1,1,1] = 17/22, nop[1,1,1,1,1,1,2] = 49/66, nop[1,1,1,1,1,2,1] = -1/11, nop[1,1,1,1,1,2,1,1] = -12/11, nop[1,1,1,1,2,1,1] = -1/11, nop[1,1,1,2,1,1,1] = 10/11, nop[1,1,2,1,1,1,1] = -1/11, nop[1,1,2,1,1,1,1,1] = -13/22, nop[1,2,1,1,1,1,1] = -1/11, nop[2,1,1,1,1,1,1] = -1/66, nop[1,1,1,1,1,1,1,1] = 1/11] : ##

senop11:=

[nop[11] = 0, nop[1,10] = 0, nop[2,9] = 15/4, nop[3,8] = -15, nop[4,7] = 35, nop[5,6] = -105/2, nop[6,5] = 105/2, nop[7,4] = -35, nop[8,3] = 15, nop[9,2] = -15/4, nop[10,1] = 5/12, nop[1,1,9] = -15/4, nop[1,2,8] = 15, nop[1,3,7] = -35, nop[1,4,6] = 105/2, nop[1,5,5] = -105/2, nop[1,6,4] = 35, nop[1,7,3] = -15, nop[1,8,2] = 15/4, nop[1,9,1] = -5/12, nop[2,1,8] = -15/4, nop[2,2,7] = 47/8, nop[2,3,6] = -261/8, nop[2,4,5] = 465/8, nop[2,5,4] = -635/8, nop[2,6,3] = 531/8, nop[2,7,2] = -327/8, nop[2,8,1] = 175/12, nop[3,1,7] = 15, nop[3,2,6] = 15, nop[3,3,5] = 5/4, nop[3,4,4] = 85/2, nop[3,5,3] = -40, nop[3,6,2] = 225/4, nop[3,7,1] = -619/24, nop[4,1,6] = -35, nop[4,2,5] = -365/12, nop[4,3,4] = -265/6, nop[4,4,3] = 5/3, nop[4,5,2] = -805/12, nop[4,6,1] = 557/24, nop[5,1,5] = 105/2, nop[5,2,4] = 105/2, nop[5,3,3] = 155/4, nop[5,4,2] = 265/4, nop[5,5,1] = -5/24, nop[6,1,4] = -105/2, nop[6,2,3] = -199/4, nop[6,3,2] = -221/4, nop[6,4,1] = -545/24, nop[7,1,3] = 35, nop[7,2,2] = 35, nop[7,3,1] = 203/8, nop[8,1,2] = -15, nop[8,2,1] = -109/8, nop[9,1,1] = 15/4, nop[1,1,1,8] = 15/4, nop[1,1,2,7] = -47/8, nop[1,1,3,6] = 261/8, nop[1,1,4,5] = -465/8, nop[1,1,5,4] = 635/8, nop[1,1,6,3] = -531/8, nop[1,1,7,2] = 327/8, nop[1,1,8,1] = -175/12, nop[1,2,1,7] = -15, nop[1,2,2,6] = -15, nop[1,2,3,5] = -5/4, nop[1,2,4,4] = -85/2, nop[1,2,5,3] = 40, nop[1,2,6,2] = -225/4, nop[2,1,7] = -47/8, nop[2,1,6] = 619/24, nop[2,1,5] = 35, nop[2,1,4,5] = 365/12, nop[2,1,3,4] = 265/6, nop[2,1,3,4,3] = -5/3, nop[2,1,3,5,2] = 805/12, nop[2,1,3,6,1] = -557/24, nop[2,1,4,5] = -105/2, nop[2,1,4,2,4] = -105/2, nop[2,1,4,3,3] = -155/4, nop[2,1,4,4,2] = -265/4, nop[2,1,4,5,1] = 5/24, nop[2,1,5,1,4] = 105/2, nop[2,1,5,2,3] = 199/4, nop[2,1,5,3,2] = 221/4, nop[2,1,5,4,1] = 545/24, nop[2,1,6,1,3] = -35, nop[2,1,6,2,2] = -35, nop[2,1,6,3,1] = -203/8, nop[2,1,7,1,2] = 15, nop[2,1,7,2,1] = 109/8, nop[2,1,8,1,1] = -15/4, nop[2,1,1,7] = -47/8, nop[2,2,1,6] = 261/8, nop[2,2,1,3,5] = -465/8, nop[2,2,1,4,4] = 635/8, nop[2,2,1,5,3] = -531/8, nop[2,2,1,6,2] = 327/8, nop[2,2,1,7,1] = -175/12, nop[2,2,1,6] = -47/8, nop[2,2,2,5] = 79/24, nop[2,2,3,4] = -581/24, nop[2,2,4,3] = 331/12, nop[2,2,5,2] = -181/6, nop[2,2,6,1] = 343/24, nop[2,3,1,5] = 151/8, nop[2,3,2,4] = 481/8, nop[2,3,3,3] = -75/2, nop[2,3,4,2] = 89, nop[2,3,5,1] = -955/24, nop[2,4,1,4] = -465/8, nop[2,4,2,3] = -267/8, nop[2,4,3,2] = -663/8, nop[2,4,4,1] = 365/24, nop[2,5,1,3] = 525/8, nop[2,5,2,2] = 745/8, nop[2,5,3,1] = 107/8, nop[2,6,1,2] = -531/8, nop[2,6,2,1] = -311/8, nop[2,7,1,1] = 125/4, nop[3,1,1,6] = -15, nop[3,1,2,5] = -5/4, nop[3,1,3,4] = -85/2, nop[3,1,4,3] = 40, nop[3,1,5,2] = -225/4, nop[3,1,6,1] = 619/24, nop[3,2,1,5] = -5/4, nop[3,2,2,4] = -85/2, nop[3,2,3,3] = 40, nop[3,2,4,2] = -225/4, nop[3,2,5,1] = 619/24, nop[3,3,1,4] = -5/4, nop[3,3,2,3] = -21/8, nop[3,3,3,2] = 1/8, nop[3,3,4,1] = -41/24, nop[3,3,4,1,3] = -15, nop[3,4,2,2] = -70, nop[3,4,3,1] = 293/12, nop[3,5,1,2] = 40, nop[3,5,2,1] = 161/12, nop[3,6,1,1] = -219/8, nop[4,1,1,5] = 365/12, nop[4,1,2,4] = 265/6, nop[4,1,3,3] = -5/3, nop[4,1,4,2] = 805/12, nop[4,1,5,1] = -557/24, nop[4,2,1,4] = 365/12, nop[4,2,2,3] = 301/24, nop[4,2,3,2] = 1159/24, nop[4,2,4,1] = -337/24, nop[4,3,1,3] = 50/3, nop[4,3,2,2] = 215/3, nop[4,3,3,1] = -91/4, nop[4,4,1,2] = -5/3, nop[4,4,2,1] = -3/4, nop[4,5,1,1] = 455/24, nop[5,1,1,4] = -105/2, nop[5,1,2,3] = -155/4, nop[5,1,3,2] = -265/4, nop[5,1,4,1] = 5/24, nop[5,2,1,3] = -155/4, nop[5,2,2,2] = -265/4, nop[5,2,3,1] = 5/24, nop[5,3,1,2] = -155/4, nop[5,3,2,1] = -325/24, nop[5,4,1,1] = -145/8, nop[6,1,1,3] = 199/4, nop[6,1,2,2] = 221/4, nop[6,1,3,1] = 545/24, nop[6,2,1,2] = 199/4, nop[6,2,2,1] = 611/24, nop[6,3,1,1] = 211/8, nop[7,1,1,2] = -35, nop[7,1,2,1] = -203/8, nop[7,2,1,1] = -203/8, nop[8,1,1,1] = 109/8, nop[1,1,1,7] = 47/8, nop[1,1,1,2,6] = -261/8, nop[1,1,1,3,5] = 465/8, nop[1,1,1,4,4] = -635/8, nop[1,1,1,5,3] = 531/8, nop[1,1,1,6,2] = -327/8, nop[1,1,1,7,1] = 175/12, nop[1,1,2,1,6] = 47/8, nop[1,1,2,2,5] = -79/24, nop[1,1,2,3,4] = 581/24, nop[1,1,2,4,3] = -331/12, nop[1,1,2,5,2] = 181/6, nop[1,1,2,6,1] = -343/24, nop[1,1,3,1,5] = -151/8, nop[1,1,3,2,4] = -481/8, nop[1,1,3,3,3] = 75/2, nop[1,1,3,4,2] = -89, nop[1,1,3,5,1] = 955/24, nop[1,1,4,1,4] = 465/8, nop[1,1,4,2,3] = 267/8, nop[1,1,4,3,2] = 663/8, nop[1,1,4,4,1] = -365/24, nop[1,1,5,1,3] = -525/8, nop[1,1,5,2,2] = -745/8, nop[1,1,5,3,1] = -107/8, nop[1,1,6,1,2] = 531/8, nop[1,1,6,2,1] = 311/8, nop[1,1,7,1,1] = -125/4, nop[1,2,1,1,6] = 15, nop[1,2,1,2,5] = 5/4, nop[1,2,1,3,4] = 85/2, nop[1,2,1,4,3] = -40, nop[1,2,1,5,2] = 225/4, nop[1,2,1,6,1] = -619/24, nop[1,2,2,1,5] = 5/4, nop[1,2,2,2,4] = 85/2, nop[1,2,2,3,3] = -40, nop[1,2,2,4,2] = 225/4, nop[1,2,2,5,1] = -619/24, nop[1,2,3,1,4] = 5/4, nop[1,2,3,2,3] = 21/8, nop[1,2,3,3,2] = -1/8, nop[1,2,3,4,1] = 41/24, nop[1,2,4,1,3] = 15, nop[1,2,4,2,2] = 70, nop[1,2,4,3,1] = -293/12, nop[1,2,5,1,2] = -40, nop[1,2,5,2,1] = -161/12, nop[1,2,6,1,1] = 219/8, nop[1,3,1,1,5] = -365/12, nop[1,3,1,2,4] = -265/6, nop[1,3,1,3,3] = 5/3, nop[1,3,1,4,2] = -805/12, nop[1,3,1,5,1] = 557/24, nop[1,3,2,1,4] = -365/12, nop[1,3,2,2,3] = -301/24, nop[1,3,2,3,2] = -1159/24, nop[1,3,2,4,1] = 337/24, nop[1,3,3,1,3] = -50/3, nop[1,3,3,2,2] = -215/3, nop[1,3,3,3,1] = 91/4, nop[1,3,4,1,2] = 5/3, nop[1,3,4,2,1] = 3/4, nop[1,3,5,1,1] = -455/24, nop[1,4,1,1,4] = 105/2, nop[1,4,1,2,3] = 155/4, nop[1,4,1,3,2] = 265/4, nop[1,4,1,4,1] = -5/24, nop[1,4,2,1,3] = 155/4, nop[1,4,2,2,2] = 265/4, nop[1,4,2,3,1] = -5/24, nop[1,4,3,1,2] = 155/4, nop[1,4,3,2,1] = 325/24, nop[1,4,4,1,1] = 145/8, nop[1,5,1,1,3] = -199/4, nop[1,5,1,2,2] = -221/4, nop[1,5,1,3,1] = -545/24, nop[1,5,2,1,2] = -199/4, nop[1,5,2,2,1] = -611/24, nop[1,5,3,1,1] = -211/8, nop[1,6,1,1,2] = 35, nop[1,6,1,2,1] = 203/8, nop[1,6,2,1,1] = 203/8, nop[1,7,1,1,1] = -109/8, nop[2,1,1,1,6] = 47/8, nop[2,1,1,2,5] = -79/24, nop[2,1,1,3,4] = 581/24, nop[2,1,1,4,3] = -331/12, nop[2,1,1,5,2] = 181/6, nop[2,1,1,6,1] = -343/24, nop[2,1,2,1,5] = -151/8, nop[2,1,2,2,4] = -481/8, nop[2,1,2,3,3] = 75/2, nop[2,1,2,4,2] = -89, nop[2,1,2,5,1] = 955/24, nop[2,1,3,1,4] = 465/8, nop[2,1,3,2,3] = 267/8, nop[2,1,3,3,2] = 663/8, nop[2,1,3,4,1] = -365/24, nop[2,1,4,1,3] = -525/8, nop[2,1,4,2,2] = -745/8, nop[2,1,4,3,1] = -107/8, nop[2,1,5,1,2] = 531/8, nop[2,1,5,2,1] = 311/8, nop[2,1,6,1,1] = -125/4, nop[2,2,1,1,5] = -79/24, nop[2,2,1,2,4] = 581/24, nop[2,2,1,3,3] = -331/12, nop[2,2,1,4,2] = 181/6, nop[2,2,1,5,1] = -343/24, nop[2,2,2,1,4] = -79/24, nop[2,2,2,2,3] = 5/6, nop[2,2,2,3,2] = -89/12, nop[2,2,2,4,1] = 97/24, nop[2,2,3,1,3] = 109/12, nop[2,2,3,2,2] = 118/3, nop[2,2,3,3,1] = -107/8, nop[2,2,4,1,2] = -331/12, nop[2,2,4,2,1] = -37/4, nop[2,2,5,1,1] = 135/8, nop[2,3,1,1,4] = -151/8, nop[2,3,1,2,3] = -41/8, nop[2,3,1,3,2] = -261/8, nop[2,3,1,4,1] = 295/24, nop[2,3,2,1,3] = -35/2, nop[2,3,2,2,2] = -411/4, nop[2,3,2,3,1] = 461/12, nop[2,3,3,1,2] = 75/2, nop[2,3,3,2,1] = 295/24, nop[2,3,4,1,1] = -805/24, nop[2,4,1,1,3] = 267/8, nop[2,4,1,2,2] = 663/8, nop[2,4,1,3,1] = -365/24, nop[2,4,2,1,2] = 267/8, nop[2,4,2,2,1] = 229/24, nop[2,4,3,1,1] = 427/24, nop[2,5,1,1,2] = -525/8, nop[2,5,1,2,1] = -217/8, nop[2,5,2,1,1] = -761/24, nop[2,6,1,1,1] = 311/8, nop[3,1,1,1,5] = 5/4, nop[3,1,1,2,4] = 85/2, nop[3,1,1,3,3] = -40, nop[3,1,1,4,2] = 225/4, nop[3,1,1,5,1] = -619/24, nop[3,1,2,1,4] = 5/4, nop[3,1,2,2,3] = 21/8, nop[3,1,2,3,2] = -1/8, nop[3,1,2,4,1] = 41/24, nop[3,1,3,1,3] = 15, nop[3,1,3,1,3,2,2] = 70, nop[3,1,3,3,1] = -293/12, nop[3,2,3,1,2] = -40, nop[3,2,3,2,1] = -161/12, nop[3,2,4,1,1] = 219/8, nop[3,3,1,1,3] = 21/8, nop[3,3,1,2,2] = -1/8, nop[3,3,1,3,1] = 41/24, nop[3,3,2,1,2] = 21/8, nop[3,3,2,2,1] = 1/3, nop[3,3,3,1,1] = -1/8, nop[3,4,1,1,2] = 15, nop[3,4,1,2,1] = 37/12, nop[3,4,2,1,1] = 49/4, nop[3,5,1,1,1] = -161/12, nop[4,1,1,1,4] = -365/12, nop[4,1,1,2,3] = -301/24, nop[4,1,1,3,2] = -1159/24, nop[4,1,1,4,1] = 337/24, nop[4,1,2,1,3] = -50/3, nop[4,1,2,2,2] = -215/3, nop[4,1,2,3,1]

= 91/4, nop[4,1,3,1,2] = 5/3, nop[4,1,3,2,1] = 3/4, nop[4,1,4,1,1] = -455/24, nop[4,2,1,1,3] = -301/24, nop[4,2,1,2,2] = -\ 1159/24, nop[4,2,1,3,1] = 337/24, nop[4,2,2,1,2] = -301/24, nop[4,2,2,2,1] = -23/6, nop[4,2,3,1,1] = -235/24, nop[4,3,1,1,2] = -50/3, nop[4,3,1,2,1] = -19/4, nop[4,3,2,1,1] = -167/12, nop[4,4,1,1,1] = 3/4, nop[5,1,1,3] = 155/4, nop[5,1,1,2,2] = 265/4, nop[5,1,1,3,1] = -5/24, nop[5,1,2,1,2] = 155/4, nop[5,1,2,2,1] = 325/24, nop[5,1,3,1,1] = 145/8, nop[5,2,1,1,2] = 155/4, nop[5,2,1,2,1] = 325/24, nop[5,2,2,1,1] = 145/8, nop[5,3,1,1,1] = 325/24, nop[6,1,1,1,2] = -199/4, nop[6,1,1,2,1] = -611/24, nop[6,1,2,1,1] = -211/8, nop[6,2,1,1,1] = -611/24, nop[7,1,1,1,1] = 203/8, nop[1,1,1,1,1,6] = -47/8, nop[1,1,1,1,1,2,5] = 79/24, nop[1,1,1,1,3,4] = -581/24, nop[1,1,1,1,4,3] = 331/12, nop[1,1,1,1,5,2] = -181/6, nop[1,1,1,1,6,1] = 343/24, nop[1,1,1,2,1,5] = 151/8, nop[1,1,1,2,2,4] = 481/8, nop[1,1,1,2,3,3] = -75/2, nop[1,1,1,2,4,2] = 89, nop[1,1,1,2,5,1] = -\ 955/24, nop[1,1,1,3,1,4] = -465/8, nop[1,1,1,3,2,3] = -267/8, nop[1,1,1,3,3,2] = -663/8, nop[1,1,1,3,4,1] = 365/24, nop[1,1,1,4,1,3] = 525/8, nop[1,1,1,4,2,2] = 745/8, nop[1,1,1,4,3,1] = 107/8, nop[1,1,1,5,1,2] = -531/8, nop[1,1,1,5,2,1] = -311/8, nop[1,1,1,6,1,1] = 125/4, nop[1,1,2,1,1,5] = 79/24, nop[1,1,2,1,2,4] = -581/24, nop[1,1,2,1,3,3] = 331/12, nop[1,1,2,1,4,2] = -181/6, nop[1,1,2,1,5,1] = 343/24, nop[1,1,2,2,1,4] = 79/24, nop[1,1,2,2,2,3] = -5/6, nop[1,1,2,2,3,2] = 89/12, nop[1,1,2,2,4,1] = -97/24, nop[1,1,2,3,1,3] = -109/12, nop[1,1,2,3,2,2] = -118/3, nop[1,1,2,3,3,1] = 107/8, nop[1,1,2,4,1,2] = 331/12, nop[1,1,2,4,2,1] = 37/4, nop[1,1,2,5,1,1] = -135/8, nop[1,1,3,1,1,4] = 151/8, nop[1,1,3,1,2,3] = 41/8, nop[1,1,3,1,3,1,3,2] = 261/8, nop[1,1,3,1,4,1] = -295/24, nop[1,1,3,2,1,3] = 35/2, nop[1,1,3,2,2,2] = 411/4, nop[1,1,3,2,3,1] = -461/12, nop[1,1,3,3,1,2] = -75/2, nop[1,1,3,3,2,1] = -295/24, nop[1,1,3,4,1,1] = 805/24, nop[1,1,4,1,1,3] = -267/8, nop[1,1,4,1,2,2] = -663/8, nop[1,1,4,1,3,1] = 365/24, nop[1,1,4,2,1,2] = -267/8, nop[1,1,4,2,2,1] = -229/24, nop[1,1,4,3,1,1] = -427/24, nop[1,1,5,1,1,2] = 525/8, nop[1,1,5,1,2,1] = 217/8, nop[1,1,5,2,1,1] = 761/24, nop[1,1,6,1,1,1] = -311/8, nop[1,1,2,1,1,1,5] = -5/4, nop[1,2,1,1,2,4] = -85/2, nop[1,2,1,1,3,3] = 40, nop[1,2,1,1,4,2] = -225/4, nop[1,2,1,1,5,1] = 619/24, nop[1,2,1,2,1,4] = -5/4, nop[1,2,1,2,2,3] = -21/8, nop[1,2,1,2,3,2] = 1/8, nop[1,2,1,2,4,1] = -41/24, nop[1,2,1,3,1,3] = -15, nop[1,2,1,3,2,2] = -70, nop[1,2,1,3,3,1] = 293/12, nop[1,2,1,4,1,2] = 40, nop[1,2,1,4,2,1] = 161/12, nop[1,2,1,5,1,1] = -219/8, nop[1,2,2,1,1,4] = -5/4, nop[1,2,2,1,2,3] = -21/8, nop[1,2,2,1,3,2] = 1/8, nop[1,2,2,1,4,1] = -41/24, nop[1,2,2,2,1,3] = -15, nop[1,2,2,2,2,2] = -70, nop[1,2,2,2,3,1] = 293/12, nop[1,2,2,3,1,2] = 40, nop[1,2,2,3,2,1] = 161/12, nop[1,2,2,4,1,1] = -\ 219/8, nop[1,2,3,1,1,3] = -21/8, nop[1,2,3,1,2,2] = 1/8, nop[1,2,3,1,3,1] = -41/24, nop[1,2,3,2,1,2] = -21/8, nop[1,2,3,2,2,1] = -1/3, nop[1,2,3,3,1,1] = 1/8, nop[1,2,4,1,1,2] = -15, nop[1,2,4,1,2,1] = -37/12, nop[1,2,4,2,1,1] = -49/4, nop[1,2,5,1,1,1] = 161/12, nop[1,3,1,1,1,4] = 365/12, nop[1,3,1,1,2,3] = 301/24, nop[1,3,1,1,3,2] = 1159/24, nop[1,3,1,1,4,1] = -337/24, nop[1,3,1,2,1,3] = 50/3, nop[1,3,1,2,2,2] = 215/3, nop[1,3,1,2,3,1] = -91/4, nop[1,3,1,3,1,2] = -5/3, nop[1,3,1,3,2,1] = -3/4, nop[1,3,1,4,1,1] = 455/24, nop[1,3,2,1,1,3] = 301/24, nop[1,3,2,1,2,2] = 1159/24, nop[1,3,2,1,3,1] = -337/24, nop[1,3,2,2,1,2] = 301/24, nop[1,3,2,2,2,1] = 23/6, nop[1,3,2,3,1,1] = 235/24, nop[1,3,3,1,1,2] = 50/3, nop[1,3,3,1,2,1] = 19/4, nop[1,3,3,2,1,1] = 167/12, nop[1,3,4,1,1,1] = -3/4, nop[1,4,1,1,1,3] = -155/4, nop[1,4,1,1,2,2] = -265/4, nop[1,4,1,1,3,1] = 5/24, nop[1,4,1,2,1,2] = -155/4, nop[1,4,1,2,2,1] = -325/24, nop[1,4,1,3,1,1] = -145/8, nop[1,4,2,1,1,2] = -155/4, nop[1,4,2,1,2,1] = -325/24, nop[1,4,2,2,1,1] = -145/8, nop[1,4,3,1,1,1] = -325/24, nop[1,5,1,1,1,2] = 199/4, nop[1,5,1,1,2,1] = 611/24, nop[1,5,1,2,1,1] = 211/8, nop[1,5,2,1,1,1] = 611/24, nop[1,6,1,1,1,1] = -203/8, nop[2,1,1,1,1,5] = 79/24, nop[2,1,1,1,2,4] = -581/24, nop[2,1,1,1,3,3] = 331/12, nop[2,1,1,1,4,2] = -181/6, nop[2,1,1,1,5,1] = 343/24, nop[2,1,1,2,1,4] = 79/24, nop[2,1,1,2,2,3] = -5/6, nop[2,1,1,2,3,2] = 89/12, nop[2,1,1,2,4,1] = -97/24, nop[2,1,1,3,1,3] = -109/12, nop[2,1,1,3,2,2] = -118/3, nop[2,1,1,3,3,1] = 107/8, nop[2,1,1,4,1,2] = 331/12, nop[2,1,1,4,2,1] = 37/4, nop[2,1,1,5,1,1] = -135/8, nop[2,1,2,1,1,4] = 151/8, nop[2,1,2,1,2,3] = 41/8, nop[2,1,2,1,3,2] = 261/8, nop[2,1,2,1,4,1] = -295/24, nop[2,1,2,2,1,3] = 35/2, nop[2,1,2,2,2,2] = 411/4, nop[2,1,2,2,3,1] = -461/12, nop[2,1,2,3,1,2] = -75/2, nop[2,1,2,3,2,1] = -295/24, nop[2,1,2,4,1,1] = 805/24, nop[2,1,3,1,1,3] = -267/8, nop[2,1,3,1,2,2] = -663/8, nop[2,1,3,1,3,1] = 365/24, nop[2,1,3,2,1,2] = -267/8, nop[2,1,3,2,2,1] = -229/24, nop[2,1,3,3,1,1] = -427/24, nop[2,1,4,1,1,2] = 525/8, nop[2,1,4,1,2,1] = 217/8, nop[2,1,4,2,1,1] = 761/24, nop[2,1,5,1,1,1] = -311/8, nop[2,2,1,1,1,4] = 79/24, nop[2,2,1,1,2,3] = -5/6, nop[2,2,1,1,3,2] = 89/12, nop[2,2,1,1,4,1] = -97/24, nop[2,2,1,2,1,3] = -109/12, nop[2,2,1,2,2,2] = -118/3, nop[2,2,1,2,3,1] = 107/8, nop[2,2,1,3,1,2] = 331/12, nop[2,2,1,3,2,1] = 37/4, nop[2,2,1,4,1,1] = -135/8, nop[2,2,2,1,1,3] = -5/6, nop[2,2,2,1,2,2] = 89/12, nop[2,2,2,1,3,1] = -97/24, nop[2,2,2,2,1,2] = -5/6, nop[2,2,2,2,2,1] = 1/12, nop[2,2,2,3,1,1] = 35/24, nop[2,2,3,1,1,2] = -109/12, nop[2,2,3,1,2,1] = -7/4, nop[2,2,3,2,1,1] = -163/24, nop[2,2,4,1,1,1] = 37/4, nop[2,3,1,1,1,3] = 41/8, nop[2,3,1,1,2,2] = 261/8, nop[2,3,1,1,3,1] = -295/24, nop[2,3,1,2,1,2] = 41/8, nop[2,3,1,2,2,1] = 35/24, nop[2,3,1,3,1,1] = 145/24, nop[2,3,2,1,1,2] = 35/2, nop[2,3,2,1,2,1] = 101/24, nop[2,3,2,2,1,1] = 221/12, nop[2,3,3,1,1,1] = -295/24, nop[2,4,1,1,1,2] = -267/8, nop[2,4,1,1,2,1] = -229/24, nop[2,4,1,2,1,1] = -427/24, nop[2,4,2,1,1,1] = -229/24, nop[2,5,1,1,1,1] = 217/8, nop[3,1,1,1,1,4] = -5/4, nop[3,1,1,1,2,3] = -21/8, nop[3,1,1,1,3,2] = 1/8, nop[3,1,1,1,4,1] = -41/24, nop[3,1,1,2,1,3] = -15, nop[3,1,1,2,2,2] = -70, nop[3,1,1,2,3,1] = 293/12, nop[3,1,1,3,1,2] = 40, nop[3,1,1,3,2,1] = 161/12, nop[3,1,1,4,1,1] = -219/8, nop[3,1,2,1,1,3] = -21/8, nop[3,1,2,1,2,2] = 1/8, nop[3,1,2,1,3,1] = -41/24, nop[3,1,2,2,1,2] = -21/8, nop[3,1,2,2,2,1] = -1/3, nop[3,1,2,3,1,1] = 1/8, nop[3,1,3,1,1,2] = -15, nop[3,1,3,1,2,1] = -37/12, nop[3,1,3,2,1,1] = -49/4, nop[3,1,4,1,1,1] = 161/12, nop[3,2,1,1,1,3] = -21/8, nop[3,2,1,1,2,2] = 1/8, nop[3,2,1,1,3,1] = -41/24, nop[3,2,1,2,1,2] = -21/8, nop[3,2,1,2,2,1] = -\ 1/3, nop[3,2,1,3,1,1] = 1/8, nop[3,2,2,1,1,2] = -15, nop[3,2,2,1,2,1] = -37/12, nop[3,2,2,2,1,1] = -49/4, nop[3,2,3,1,1,1] = 161/12, nop[3,3,1,1,1,1,2] = -21/8, nop[3,3,1,1,1,1,1] = -1/3, nop[3,3,1,2,1,1] = 1/8, nop[3,3,2,1,1,1] = -1/3, nop[3,4,1,1,1,1] = -37/12, nop[4,1,1,1,1,3] = 301/24, nop[4,1,1,1,2,2] = 1159/24, nop[4,1,1,1,3,1] = -337/24, nop[4,1,1,2,1,2] = 301/24, nop[4,1,1,2,2,1] = 23/6, nop[4,1,1,3,1,1] = 235/24, nop[4,1,2,1,1,2] = 50/3, nop[4,1,2,1,2,1] = 19/4, nop[4,1,2,2,1,1] = 167/12, nop[4,1,3,1,1,1] = -3/4, nop[4,2,1,1,1,2] = 301/24, nop[4,2,1,1,2,1] = 23/6, nop[4,2,1,2,1,1] = 235/24, nop[4,2,2,1,1,1] = 23/6, nop[4,3,1,1,1,1] = 19/4, nop[4,3,1,1,1,2] = -155/4, nop[5,1,1,1,1,2,1] = -325/24, nop[5,1,1,2,1,1] = -145/8, nop[5,1,2,1,1,1] = -325/24, nop[5,2,1,1,1,1] = -325/24, nop[6,1,1,1,1,1] = 611/24, nop[1,1,1,1,1,1,5] = -79/24, nop[1,1,1,1,1,2,4] = 581/24, nop[1,1,1,1,1,3,3] = -331/12, nop[1,1,1,1,1,4,2] = 181/6, nop[1,1,1,1,1,5,1] = -343/24, nop[1,1,1,1,2,1,4] = -79/24, nop[1,1,1,1,2,2,3] = 5/6, nop[1,1,1,1,2,3,2] = -89/12, nop[1,1,1,1,2,4,1] = 97/24, nop[1,1,1,1,3,1,3] = 109/12, nop[1,1,1,1,3,2,2] = 118/3, nop[1,1,1,1,3,3,1] = -107/8, nop[1,1,1,1,4,1,2] = -331/12, nop[1,1,1,1,4,2,1] = -37/4, nop[1,1,1,1,5,1,1] = 135/8, nop[1,1,1,2,1,1,4] = -151/8, nop[1,1,1,2,1,2,3] = -41/8, nop[1,1,1,2,1,3,2] = -261/8, nop[1,1,1,2,1,4,1] = 295/24, nop[1,1,1,2,2,1,3] = -35/2, nop[1,1,1,2,2,2,2] = -411/4, nop[1,1,1,2,2,3,1] = 461/12, nop[1,1,1,2,3,1,2] = 75/2, nop[1,1,1,2,3,2,1] = 295/24, nop[1,1,1,2,4,1,1] = -805/24, nop[1,1,1,3,1,1,3] = 267/8, nop[1,1,1,3,1,2,2] = 663/8, nop[1,1,1,3,1,3,1] = -365/24, nop[1,1,1,3,2,1,2] = 267/8, nop[1,1,1,3,2,2,1] = 229/24, nop[1,1,1,3,3,1,1] = 427/24, nop[1,1,1,4,1,1,4,1,2] = -525/8, nop[1,1,1,4,1,2,1] = -217/8, nop[1,1,1,4,2,1,1] = -761/24, nop[1,1,1,5,1,1,1] = 311/8, nop[1,1,2,1,1,1,4] = -79/24, nop[1,1,2,1,1,2,3] = 5/6, nop[1,1,2,1,1,3,2] = -89/12, nop[1,1,2,1,1,4,1] = 97/24, nop[1,1,2,1,2,1,3] = 109/12, nop[1,1,2,1,2,2,2] = 118/3, nop[1,1,2,1,2,3,1] = -107/8, nop[1,1,2,1,3,1,2] = -331/12, nop[1,1,2,1,3,2,1] = -37/4, nop[1,1,2,1,4,1,1] = 135/8, nop[1,1,2,2,1,1,3] = 5/6, nop[1,1,2,2,1,2,2] = -89/12, nop[1,1,2,2,1,3,1] = 97/24, nop[1,1,2,2,2,1,2] = 5/6, nop[1,1,2,2,2,2,1] = -1/12, nop[1,1,2,2,3,1,1] = -35/24, nop[1,1,2,3,1,1,2] = 109/12, nop[1,1,2,3,1,2,1] = 7/4, nop[1,1,2,3,2,1,1] = 163/24, nop[1,1,2,4,1,1,1] = -37/4, nop[1,1,3,1,1,1,3] = -41/8, nop[1,1,3,1,1,2,2] = -261/8, nop[1,1,3,1,1,3,1] = 295/24, nop[1,1,3,1,2,1,2] = -41/8, nop[1,1,3,1,2,2,1] = -35/24, nop[1,1,3,1,3,1,1] = -145/24, nop[1,1,3,2,1,1,1] = -35/2, nop[1,1,3,2,1,2,1] = -101/24, nop[1,1,3,2,2,1,1] = -221/12, nop[1,1,3,3,1,1,1] = 295/24, nop[1,1,4,1,1,1,2] = 267/8, nop[1,1,4,1,1,2,1] = 229/24, nop[1,1,4,1,2,1,1] = 427/24, nop[1,1,4,2,1,1,1] = 229/24, nop[1,1,5,1,1,1,1] = -217/8, nop[1,2,1,1,1,1,4] = 5/4, nop[1,2,1,1,1,2,3] = 21/8, nop[1,2,1,1,1,3,2] = -1/8, nop[1,2,1,1,1,4,1] = 41/24, nop[1,2,1,1,2,1,3] = 15, nop[1,2,1,1,2,2,2] = 70, nop[1,2,1,1,2,3,1] = -293/12, nop[1,2,1,1,3,1,2] = -40, nop[1,2,1,1,3,2,1] = -161/12, nop[1,2,1,1,4,1,1] = 219/8, nop[1,2,1,2,1,1,3] = 21/8, nop[1,2,1,2,1,2,2] = -1/8, nop[1,2,1,2,1,3,1] = 41/24, nop[1,2,1,2,2,1,2] =

1,5,6] = 117953/455, nop[1,6,5] = -19479/65, nop[1,7,4] = 114417/455, nop[1,8,3] = -13449/91, nop[1,9,2] = 5674/91, nop[1,10,1] = -7601/455, nop[2,1,9] = -19263/910, nop[2,2,8] = 7431/455, nop[2,3,7] = -69131/910, nop[2,4,6] = 62091/910, nop[2,5,5] = -51503/910, nop[2,6,4] = -26673/910, nop[2,7,3] = 54213/910, nop[2,8,2] = -6410/91, nop[2,9,1] = 12277/390, nop[3,1,8] = 94231/2730, nop[3,2,7] = 50305/1092, nop[3,3,6] = -727/5460, nop[3,4,5] = 496627/5460, nop[3,5,4] = -16079/780, nop[3,6,3] = 63059/1820, nop[3,7,2] = 102241/1820, nop[3,8,1] = -71831/2730, nop[4,1,7] = -44557/780, nop[4,2,6] = -6509/156, nop[4,3,5] = -488933/5460, nop[4,4,4] = 127/5460, nop[4,5,3] = -35589/364, nop[4,6,2] = -60971/1820, nop[4,7,1] = -28517/2730, nop[5,1,6] = 47329/1092, nop[5,2,5] = 20543/364, nop[5,3,4] = 6243/364, nop[5,4,3] = 7783/78, nop[5,5,2] = -1/273, nop[5,6,1] = 60745/1092, nop[6,1,5] = -5013/1820, nop[6,2,4] = 9287/1820, nop[6,3,3] = -94249/2730, nop[6,4,2] = 8636/273, nop[6,5,1] = -304627/5460, nop[7,1,4] = -11203/260, nop[7,2,3] = -410/13, nop[7,3,2] = -7103/130, nop[7,4,1] = 2993/260, nop[8,1,3] = 23354/455, nop[8,2,2] = 49711/910, nop[8,3,1] = 45823/1820, nop[9,1,2] = -3118/91, nop[9,2,1] = -4871/182, nop[10,1,1] = 6691/546, nop[1,1,1,9] = 5443/455, nop[1,1,2,8] = -28682/455, nop[1,1,3,7] = 13865/91, nop[1,1,4,6] = -117953/455, nop[1,1,5,5] = 19479/65, nop[1,1,6,4] = -114417/455, nop[1,1,7,3] = 13449/91, nop[1,1,8,2] = -5674/91, nop[1,1,9,1] = 7601/455, nop[1,2,1,8] = 5443/455, nop[1,2,2,7] = -2027/182, nop[1,2,3,6] = 73949/910, nop[1,2,4,5] = -18567/130, nop[1,2,5,4] = 187491/910, nop[1,2,6,3] = -32343/182, nop[1,2,7,2] = 21139/182, nop[1,2,8,1] = -19699/455, nop[1,3,1,7] = -4335/91, nop[1,3,2,6] = -49703/455, nop[1,3,3,5] = 5504/65, nop[1,3,4,4] = -128067/455, nop[1,3,5,3] = 22549/91, nop[1,3,6,2] = -24784/91, nop[1,3,7,1] = 107567/910, nop[1,4,1,6] = 13865/91, nop[1,4,2,5] = 1470/13, nop[1,4,3,4] = 21015/91, nop[1,4,4,3] = -6298/91, nop[1,4,5,2] = 30453/91, nop[1,4,6,1] = -22567/182, nop[1,5,1,5] = -15829/65, nop[1,5,2,4] = -132253/455, nop[1,5,3,3] = -\ 51601/455, nop[1,5,4,2] = -35431/91, nop[1,5,5,1] = 51147/910, nop[1,6,1,4] = 19479/65, nop[1,6,2,3] = 16476/65, nop[1,6,3,2] = 22482/65, nop[1,6,4,1] = 9201/130, nop[1,7,1,3] = -108411/455, nop[1,7,2,2] = -120423/455, nop[1,7,3,1] = -23763/182, nop[1,8,1,2] = 13449/91, nop[1,8,2,1] = 20073/182, nop[1,9,1,1] = -14747/273, nop[2,1,1,8] = 19263/910, nop[2,1,2,7] = -\ 10523/1820, nop[2,1,3,6] = 185673/1820, nop[2,1,4,5] = -299669/1820, nop[2,1,5,4] = 469671/1820, nop[2,1,6,3] = -404631/1820, nop[2,1,7,2] = 58127/364, nop[2,1,8,1] = -23977/390, nop[2,2,1,7] = -21869/910, nop[2,2,2,6] = 6159/910, nop[2,2,3,5] = -23161/455, nop[2,2,4,4] = 13023/910, nop[2,2,5,3] = -8713/910, nop[2,2,6,2] = -3145/91, nop[2,2,7,1] = 15031/780, nop[2,3,1,6] = 69131/910, nop[2,3,2,5] = 84034/1365, nop[2,3,3,4] = 286043/2730, nop[2,3,4,3] = -24217/1365, nop[2,3,5,2] = 84779/546, nop[2,3,6,1] = -43391/780, 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nop[3,5,1,3] = 40961/780, nop[3,5,2,2] = -8803/780, nop[3,5,3,1] = 15101/260, nop[3,6,1,2] = -63059/1820, nop[3,6,2,1] = -57599/1820, nop[3,7,1,1] = -12539/2730, nop[4,1,1,6] = 44557/780, nop[4,1,2,5] = 354799/5460, nop[4,1,3,4] = 226099/5460, nop[4,1,4,3] = 32863/546, nop[4,1,5,2] = 84517/1365, nop[4,1,6,1] = -6029/5460, nop[4,2,1,5] = 64153/1092, nop[4,2,2,4] = 8383/1092, nop[4,2,3,3] = 39231/455, nop[4,2,4,2] = 6484/455, nop[4,2,5,1] = 37363/1820, nop[4,3,1,4] = 488933/5460, nop[4,3,2,3] = 266711/5460, nop[4,3,3,2] = 142231/1092, nop[4,3,4,1] = -133871/5460, nop[4,4,1,3] = -6133/5460, nop[4,4,2,2] = 5879/5460, nop[4,4,3,1] = -10319/5460, nop[4,5,1,2] = 35589/364, nop[4,5,2,1] = 43067/1092, nop[4,6,1,1] = -35261/2730, nop[5,1,1,5] = -20543/364, nop[5,1,2,4] = -6243/364, nop[5,1,3,3] = -7783/78, nop[5,1,4,2] = 1/273, nop[5,1,5,1] = -60745/1092, nop[5,2,1,4] = -20543/364, nop[5,2,2,3] = -5386/91, nop[5,2,3,2] = -9771/182, nop[5,2,4,1] = -10715/364, nop[5,3,1,3] = -8627/182, 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,1] = -32871/1820, nop[2,1,6,1,2] = 404631/1820, nop[2,1,6,2,1] = 220811/1820, nop[2,1,7,1,1] = -60755/546, nop[2,2,1,1,6] = 21869/910, nop[2,2,1,2,5] = 2416/1365, nop[2,2,1,3,4] = 187157/2730, nop[2,2,1,4,3] = -89533/1365, nop[2,2,1,5,2] = 49901/546, nop[2,2,1,6,1] = -33049/2730, nop[2,2,2,1,5] = -4867/455, nop[2,2,2,2,4] = 991/910, nop[2,2,2,3,3] = -6154/455, nop[2,2,2,4,2] = -717/182, nop[2,2,2,5,1] = 233/260, nop[2,2,3,1,4] = 23161/455, nop[2,2,3,2,3] = 10721/364, nop[2,2,3,3,2] = 131683/1820, nop[2,2,3,4,1] = -24109/1820, nop[2,2,4,1,3] = -33043/910, nop[2,2,4,2,2] = 6997/910, nop[2,2,4,3,1] = -54797/1365, nop[2,2,5,1,2] = 8713/910, nop[2,2,5,2,1] = 22852/1365, nop[2,2,6,1,1] = 6527/1092, nop[2,3,1,1,5] = -84034/1365, nop[2,3,1,2,4] = -286043/2730, nop[2,3,1,3,3] = 24217/1365, nop[2,3,1,4,2] = -84779/546, nop[2,3,1,5,1] = 43391/780, nop[2,3,2,1,4] = -84034/1365, nop[2,3,2,2,3] = -146947/5460, nop[2,3,2,3,2] = -105065/1092, nop[2,3,2,4,1] = 146437/5460, nop[2,3,3,1,3] = -54433/1365, nop[2,3,3,2,2] = -46322/273, nop[2,3,3,3,1] = 24656/455, nop[2,3,4,1,2] = 24217/1365, nop[2,3,4,2,1] = 5983/910, nop[2,3,5,1,1] = -17541/364, nop[2,4,1,1,4] = 83541/910, nop[2,4,1,2,3] = 32261/455, nop[2,4,1,3,2] = 10256/91, nop[2,4,1,4,1] = 26863/5460, nop[2,4,2,1,3] = 45217/910, nop[2,4,2,2,2] = -1367/182, nop[2,4,2,3,1] = 271393/5460, nop[2,4,3,1,2] = 131017/910, nop[2,4,3,2,1] = 269677/5460, nop[2,4,4,1,1] = -15677/1092, nop[2,5,1,1,3] = -6852/91, nop[2,5,1,2,2] = -17243/455, nop[2,5,1,3,1] = -338957/5460, nop[2,5,2,1,2] = -6852/91, nop[2,5,2,2,1] = -47371/1092, nop[2,5,3,1,1] = -\ 67607/1820, nop[2,6,1,1,2] = 3357/910, nop[2,6,1,2,1] = 48119/1820, nop[2,6,2,1,1] = 28099/1820, nop[2,7,1,1,1] = 29711/1820, nop[3,1,1,1,6] = 50305/1092, nop[3,1,1,2,5] = 18845/1092, nop[3,1,1,3,4] = 16175/156, nop[3,1,1,4,3] = -71073/910, nop[3,1,1,5,2] = 64349/455, nop[3,1,1,6,1] = -332851/5460, nop[3,1,2,1,5] = -7877/5460, nop[3,1,2,2,4] = 1939/780, nop[3,1,2,3,3] = -1/455, nop[3,1,2,4,2] = -716/455, nop[3,1,2,5,1] = 21503/5460, nop[3,1,3,1,4] = 496627/5460, nop[3,1,3,2,3] = 54881/1092, nop[3,1,3,3,2] = 718849/5460, nop[3,1,3,4,1] = -144377/5460, nop[3,1,4,1,3] = -40961/780, nop[3,1,4,2,2] = 8803/780, nop[3,1,4,3,1] = -15101/260, nop[3,1,5,1,2] = 63059/1820, nop[3,1,5,2,1] = 57599/1820, nop[3,1,6,1,1] = 12539/2730, nop[3,2,1,1,5] = 18845/1092, nop[3,2,1,2,4] = 16175/156, nop[3,2,1,3,3] = -71073/910, nop[3,2,1,4,2] = 64349/455, nop[3,2,1,5,1] = -18251/5460, nop[3,2,3,1,3] = 14483/390, nop[3,2,3,2,2] = 33196/195, nop[3,2,3,3,1] = -15101/260, nop[3,2,4,1,2] = -71073/910, nop[3,2,4,2,1] = -23753/910, nop[3,2,5,1,1] = 340393/5460, nop[3,3,1,1,4] = -7877/5460, nop[3,3,1,2,3] = 22153/5460, nop[3,3,1,3,2] = -37907/5460, nop[3,3,1,4,1] = 35803/5460, nop[3,3,2,1,3] = 1021/195, nop[3,3,2,2,2] = -103/390, nop[3,3,2,3,1] = 529/130, nop[3,3,3,1,2] = -1/455, nop[3,3,3,2,1] = -459/1820, nop[3,3,4,1,1] = 10063/5460, nop[3,4,1,1,3] = 54881/1092, nop[3,4,1,2,2] = 718849/5460, nop[3,4,1,3,1] = -144377/5460, nop[3,4,2,1,2] = 54881/1092, nop[3,4,2,2,1] = 15569/1092, nop[3,4,3,1,1] = 151919/5460, nop[3,5,1,1,2] = -40961/780, nop[3,5,1,2,1] = -6807/260, nop[3,5,2,1,1] = -12127/780, nop[3,6,1,1,1] = 57599/1820, nop[4,1,1,1,5] = -354799/5460, nop[4,1,1,2,4] = -226099/5460, nop[4,1,1,3,3] = -32863/546, nop[4,1,1,4,2] = -84517/1365, nop[4,1,1,5,1] = 6029/5460, nop[4,1,2,1,4] = -354799/5460, nop[4,1,2,2,3] = -9782/273, nop[4,1,2,3,2] = -256979/2730, nop[4,1,2,4,1] = 91829/5460, nop[4,1,3,1,3] = -15703/546, nop[4,1,3,2,2] = -73792/1365, nop[4,1,3,3,1] = 10319/5460, nop[4,1,4,1,2] = -32863/546, nop[4,1,4,2,1] = -11023/546, nop[4,1,5,1,1] = -34583/5460, nop[4,2,1,1,4] = -64153/1092, nop[4,2,1,2,3] = -182627/5460, nop[4,2,1,3,2] = -458903/5460, nop[4,2,1,4,1] = 73811/5460, nop[4,2,2,1,3] = -24743/1365, nop[4,2,2,2,2] = 7571/2730, nop[4,2,2,3,1] = -51397/2730, nop[4,2,3,1,2] = -39231/455, nop[4,2,3,2,1] = -157277/5460, nop[4,2,4,1,1] = 75527/5460, nop[4,3,1,1,3] = -266711/5460, nop[4,3,1,2,2] = -142231/1092, nop[4,3,1,3,1] = 133871/5460, nop[4,3,2,1,2] = -266711/5460, nop[4,3,2,2,1] = -88351/5460, nop[4,3,3,1,1] = -32485/1092, nop[4,4,1,1,2] = 6133/5460, nop[4,4,1,2,1] = 4313/5460, nop[4,4,2,1,1] = 2311/5460, nop[4,5,1,1,1] = -43067/1092, nop[5,1,1,1,4] = 20543/364, nop[5,1,1,2,3] = 5386/91, nop[5,1,1,3,2] = 9771/182, nop[5,1,1,4,1] = 10715/364, nop[5,1,2,1,3] = 8627/182, nop[5,1,2,2,2] = -1192/91, nop[5,1,2,3,1] = 59315/1092, nop[5,1,3,1,2] = 7783/78, nop[5,1,3,2,1] = 3103/78, nop[5,1,4,1,1] = -153/364, nop[5,2,1,1,3] = 5386/91, nop[5,2,1,2,2] = 9771/182, nop[5,2,1,3,1] = 10715/364, nop[5,2,2,1,2] = 5386/91, nop[5,2,2,2,1] = 4857/182, nop[5,2,3,1,1] = 28141/1092, nop[5,3,1,1,2] = 8627/182, nop[5,3,1,2,1] = 13141/546, nop[5,3,2,1,1] = 15271/1092, nop[5,4,1,1,1] = 3103/78, nop[6,1,1,1,3] = -12014/455, nop[6,1,1,2,2] = 3803/182, nop[6,1,1,3,1] = -92009/1820, nop[6,1,2,1,2] = -12014/455, nop[6,1,2,2,1] = -24483/910, nop[6,1,3,1,1] = -20771/1092, nop[6,2,1,1,2] = -21883/910, nop[6,2,1,2,1] = -72019/2730, nop[6,2,2,1,1] = -18197/1092, nop[6,3,1,1,1] = -80599/2730, nop[7,1,1,1,2] = -410/13, nop[7,1,1,2,1] = -1/26, nop[7,1,2,1,1] = -1011/260, nop[7,2,1,1,1] = -1/26, nop[8,1,1,1,1] = 24413/910, nop[1,1,1,1,1,7] = -2027/182, nop[1,1,1,1,2,6] = 73949/910, nop[1,1,1,1,3,5] = -18567/130, nop[1,1,1,1,4,4] = 187491/910, nop[1,1,1,1,5,3] = -32343/182, nop[1,1,1,1,6,2] = 21139/182, nop[1,1,1,1,7,1] = -19699/455, nop[1,1,1,2,1,6] = -2027/182, nop[1,1,1,2,2,5] = 119/26, nop[1,1,1,2,3,4] = -7747/182, nop[1,1,1,2,4,3] = 4349/91, nop[1,1,1,2,5,2] = -4946/91, nop[1,1,1,2,6,1] = 4733/182, nop[1,1,1,3,1,5] = 5457/130, nop[1,1,1,3,2,4] = 145449/910, nop[1,1,1,3,3,3] = -49326/455, nop[1,1,1,3,4,2] = 21080/91, nop[1,1,1,3,5,1] = -94453/910, nop[1,1,1,4,1,4] = -18567/130, nop[1,1,1,4,2,3] = -10273/130, nop[1,1,1,4,3,2] = -26861/130, nop[1,1,1,4,4,1] = 5301/130, nop[1,1,1,5,1,3] = 149453/910, nop[1,1,1,5,2,2] = 225529/910, nop[1,1,1,5,3,1] = 4447/182, nop[1,1,1,6,1,2] = -32343/182, nop[1,1,1,6,2,1] = -18147/182, nop[1,1,1,7,1,1] = 23473/273, nop[1,1,2,1,1,6] = -4335/91, nop[1,1,2,1,2,5] = -530/39, nop[1,1,2,1,3,4] = -31595/273, nop[1,1,2,1,4,3] = 26606/273, nop[1,1,2,1,5,2] = -43321/273, nop[1,1,2,1,6,1] = 13105/182, nop[1,1,2,1,7,5] = -2504/65, nop[1,1,2,2,2,4] = -114053/455, nop[1,1,2,2,3,3] = 91724/455, nop[1,1,2,2,4,2] = -31791/91, nop[1,1,2,2,5,1] = 432811/2730, nop[1,1,2,3,1,4] = 5504/65, nop[1,1,2,3,2,3] = 5717/130, nop[1,1,2,3,3,2] = 16299/130, nop[1,1,2,3,4,1] = -\ 10487/390, nop[1,1,2,4,1,3] = -72011/455, nop[1,1,2,4,2,2] = -184123/455, nop[1,1,2,4,3,1] = 18728/273, nop[1,1,2,5,1,2] = 22549/91, nop[1,1,2,5,2,1] = 29882/273, nop[1,1,2,6,1,1] = -81091/546, nop[1,1,3,1,1,5] = 1470/13, nop[1,1,3,1,2,4] = 21015/91, nop[1,1,3,1,3,3] = -6298/91, nop[1,1,3,1,4,2] = 30453/91, nop[1,1,3,1,5,1] = -22567/182, nop[1,1,3,2,1,4] = 1470/13, nop[1,1,3,2,2,3] = 1367/26, nop[1,1,3,2,3,2] = 4513/26, nop[1,1,3,2,4,1] = -1181/26, nop[1,1,3,3,1,3] = 8002/91, nop[1,1,3,3,2,2] = 34028/91, nop[1,1,3,3,3,1] = -10926/91, nop[1,1,3,4,1,2] = -6298/91, nop[1,1,3,4,2,1] = -2203/91, nop[1,1,3,5,1,1] = 62143/546, nop[1,1,4,1,1,4] = -15829/65, nop[1,1,4,1,2,3] = -10538/65, nop[1,1,4,1,3,2] = -4224/13, nop[1,1,4,1,4,1] = 3221/130, nop[1,1,4,2,1,3] = -80201/455, nop[1,1,4,2,2,2] = -36861/91, nop[1,1,4,2,3,1] = 49717/910, nop[1,1,4,3,1,2] = -\ 51601/455, nop[1,1,4,3,2,1] = -37227/910, nop[1,1,4,4,1,1] = -62891/546, nop[1,1,5,1,1,3] = 16476/65, nop[1,1,5,1,2,2] = 22482/65, nop[1,1,5,1,3,1] = 9201/130, nop[1,1,5,2,1,2] = 16476/65, nop[1,1,5,2,2,1] = 15207/130, nop[1,1,5,3,1,1] = 17209/130, nop[1,1,6,1,1,2] = -108411/455, nop[1,1,6,1,2,1] = -130827/910, nop[1,1,6,2,1,1] = -134831/910, nop[1,1,7,1,1,1] = 20073/182, nop[1,2,1,1,1,6] = -2027/182, nop[1,2,1,1,2,5] = 119/26, nop[1,2,1,1,3,4] = -7747/182, nop[1,2,1,1,4,3] = 4349/91, nop[1,2,1,1,5,2] = -4946/91, nop[1,2,1,1,6,1] = 4733/182, nop[1,2,1,2,1,5] = 5457/130, nop[1,2,1,2,2,4] = 145449/910, nop[1,2,1,2,3,3] = -49326/455, nop[1,2,1,2,4,2] = 21080/91, nop[1,2,1,2,5,1] = -94453/910, nop[1,2,1,3,1,4] = -18567/130, nop[1,2,1,3,2,3] = -10273/130, nop[1,2,1,3,3,2] = -26861/130, nop[1,2,1,3,4,1] = 5301/130, nop[1,2,1,4,1,3] = 149453/910, nop[1,2,1,4,2,2] = 225529/910, nop[1,2,1,4,3,1] = 4447/182, nop[1,2,1,5,1,2] = -32343/182, nop[1,2,1,5,2,1] = -18147/182, nop[1,2,1,6,1,1] = 23473/273, nop[1,2,2,1,1,5] = 119/26, nop[1,2,2,1,2,4] = -7747/182, nop[1,2,2,1,3,3] = 4349/91, nop[1,2,2,1,4,2] = -4946/91, nop[1,2,2,1,5,1] = 4733/182, nop[1,2,2,2,1,4] = 119/26, nop[1,2,2,2,2,3] = -12/13, nop[1,2,2,2,3,2] = 131/13, nop[1,2,2,2,4,1] = -141/26, nop[1,2,2,3,1,3] = -1371/91, nop[1,2,2,3,2,2] = -6376/91, nop[1,2,2,3,3,1] = 4447/182, nop[1,2,2,4,1,2] = 4349/91, nop[1,2,2,4,2,1] = 1437/91, nop[1,2,2,5,1,1] = -16117/546, nop[1,2,3,1,1,4] = 5457/130, nop[1,2,3,1,2,3] = 1739/130, nop[1,2,3,1,3,2] = 1835/26, nop[1,2,3,1,4,1] = -3279/130, nop[1,2,3,2,1,3] = 22174/455, nop[1,2,3,2,2,2] = 24655/91, nop[1,2,3,2,3,1] = -45439/455, nop[1,2,3,3,1,2] = -49326/455, nop[1,2,3,3,2,1] = -32677/910, nop[1,2,3,4,1,1] = 49949/546, nop[1,2,4,1,1,3] = -10273/130, nop[1,2,4,1,2,2] = -26861/130, nop[1,2,4,1,3,1] = 5301/130, nop[1,2,4,2,1,2] = -10273/130, nop[1,2,4,2,2,1] = -2993/130, nop[1,2,4,3,1,1] = -17273/390, nop[1,2,5,1,1,2] = 149453/910, nop[1,2,5,1,2,1] = 60273/910, nop[1,2,5,2,1,1] = 218857/2730, nop[1,2,6,1,1,1] = -18147/182, nop[1,3,1,1,1,5] = -530/39, nop[1,3,1,1,2,4] = -31595/273, nop[1,3,1,1,3,3] = 26606/273, nop[1,3,1,1,4,2] = -43321/273, nop[1,3,1,1,5,1] = 13105/182, nop[1,3,1,2,1,4] = -\

530/39, nop[1,3,1,2,2,3] = -631/78, nop[1,3,1,2,3,2] = -1489/78, nop[1,3,1,2,4,1] = 305/78, nop[1,3,1,3,1,3] = -10574/273, nop[1,3,1,3,2,2] = -52616/273, nop[1,3,1,3,3,1] = 18728/273, nop[1,3,1,4,1,2] = 26606/273, nop[1,3,1,4,2,1] = 8861/273, nop[1,3,1,5,1,1] = -39049/546, nop[1,3,2,1,1,4] = -2504/65, nop[1,3,2,1,2,3] = -2291/130, nop[1,3,2,1,3,2] = -154526, nop[1,3,2,1,4,1] = 6673/390, nop[1,3,2,2,1,3] = -36976/455, nop[1,3,2,2,2,2] = -38226/91, nop[1,3,2,2,3,1] = 206753/1365, nop[1,3,2,3,1,2] = 91724/455, nop[1,3,2,3,2,1] = 91352/1365, nop[1,3,2,4,1,1] = -83093/546, nop[1,3,3,1,1,3] = 5717/130, nop[1,3,3,1,2,2] = 16299/130, nop[1,3,3,1,3,1] = -10487/390, nop[1,3,3,2,1,2] = 5717/130, nop[1,3,3,2,2,1] = 2693/195, nop[1,3,3,3,1,1] = 3559/130, nop[1,3,4,1,1,2] = -72011/455, nop[1,3,4,1,2,1] = -74528/1365, nop[1,3,4,2,1,1] = -43528/455, nop[1,3,5,1,1,1] = 29882/273, nop[1,4,1,1,1,4] = 1470/13, nop[1,4,1,1,2,3] = 1367/26, nop[1,4,1,1,3,2] = 4513/26, nop[1,4,1,1,4,1] = -1181/26, nop[1,4,1,2,1,3] = 8002/91, nop[1,4,1,2,2,2] = 34028/91, nop[1,4,1,2,3,1] = -10926/91, nop[1,4,1,3,1,2] = -6298/91, nop[1,4,1,3,2,1] = -2203/91, nop[1,4,1,4,1,1] = 62143/546, nop[1,4,2,1,1,3] = 1367/26, nop[1,4,2,1,2,2] = 4513/26, nop[1,4,2,1,3,1] = -1181/26, nop[1,4,2,2,1,2] = 1367/26, nop[1,4,2,2,2,1] = 196/13, nop[1,4,2,3,1,1] = 2749/78, nop[1,4,3,1,1,2] = 8002/91, nop[1,4,3,1,2,1] = 2087/91, nop[1,4,3,2,1,1] = 19274/273, nop[1,4,4,1,1,1] = -2203/91, nop[1,5,1,1,1,3] = -10538/65, nop[1,5,1,1,2,2] = -4224/13, nop[1,5,1,1,3,1] = 3221/130, nop[1,5,1,2,1,2] = -10538/65, nop[1,5,1,2,2,1] = -7361/130, nop[1,5,1,3,1,1] = -6533/78, nop[1,5,2,1,1,2] = -80201/455, nop[1,5,2,1,2,1] = -54387/910, nop[1,5,2,2,1,1] = -53453/546, nop[1,5,3,1,1,1] = -37227/910, nop[1,6,1,1,1,2] = 16476/65, nop[1,6,1,1,2,1] = 15207/130, nop[1,6,1,2,1,1] = 17209/130, nop[1,6,2,1,1,1] = 15207/130, nop[1,7,1,1,1,1] = -130827/910, nop[2,1,1,1,1,6] = -10523/1820, nop[2,1,1,1,2,5] = 39931/5460, nop[2,1,1,1,3,4] = -174569/5460, nop[2,1,1,1,4,3] = 111271/2730, nop[2,1,1,1,5,2] = -10709/273, nop[2,1,1,1,6,1] = 15109/780, nop[2,1,1,2,1,5] = 92723/1820, nop[2,1,1,2,2,4] = 371573/1820, nop[2,1,1,2,3,3] = -64371/455, nop[2,1,1,2,4,2] = 26794/91, nop[2,1,1,2,5,1] = -103009/780, nop[2,1,1,3,1,4] = -299669/1820, nop[2,1,1,3,2,3] = -33107/364, nop[2,1,1,3,3,2] = -433803/1820, nop[2,1,1,3,4,1] = 257057/5460, nop[2,1,1,4,1,3] = 359561/1820, nop[2,1,1,4,2,2] = 579781/1820, nop[2,1,1,4,3,1] = 32871/1820, nop[2,1,1,5,1,2] = -404631/1820, nop[2,1,1,5,2,1] = -220811/1820, nop[2,1,1,6,1,1] = 60755/546, nop[2,1,2,1,1,5] = 39931/5460, nop[2,1,2,1,2,4] = -174569/5460, nop[2,1,2,1,3,3] = 111271/2730, nop[2,1,2,1,4,2] = -10709/273, nop[2,1,2,1,5,1] = 15109/780, nop[2,1,2,2,1,4] = 39931/5460, nop[2,1,2,2,2,3] = 223/1365, nop[2,1,2,2,3,2] = 7897/546, nop[2,1,2,2,4,1] = -37237/5460, nop[2,1,2,3,1,3] = -31729/2730, nop[2,1,2,3,2,2] = -14284/273, nop[2,1,2,3,3,1] = 32871/1820, nop[2,1,2,4,1,2] = 111271/2730, nop[2,1,2,4,2,1] = 12217/910, nop[2,1,2,5,1,1] = -25637/1092, nop[2,1,3,1,1,4] = 92723/1820, nop[2,1,3,1,2,3] = 30661/1820, nop[2,1,3,1,3,2] = 30957/364, nop[2,1,3,1,4,1] = -163363/5460, nop[2,1,3,2,1,3] = 28579/455, nop[2,1,3,2,2,2] = 62883/182, nop[2,1,3,2,3,1] = -346589/2730, nop[2,1,3,3,1,2] = -64371/455, nop[2,1,3,3,2,1] = -256027/5460, nop[2,1,3,4,1,1] = 42839/364, nop[2,1,4,1,1,3] = -33107/364, nop[2,1,4,1,2,2] = -433803/1820, nop[2,1,4,1,3,1] = 257057/5460, nop[2,1,4,2,1,2] = -33107/364, nop[2,1,4,2,2,1] = -29069/1092, nop[2,1,4,3,1,1] = -279479/5460, nop[2,1,5,1,1,2] = 359561/1820, nop[2,1,5,1,2,1] = 142981/1820, nop[2,1,5,2,1,1] = 539053/5460, nop[2,1,6,1,1,1] = -220811/1820, nop[2,2,1,1,1,5] = -2416/1365, nop[2,2,1,1,2,4] = -187157/2730, nop[2,2,1,1,3,3] = 89533/1365, nop[2,2,1,1,4,2] = -49901/546, nop[2,2,1,1,5,1] = 33049/780, nop[2,2,1,2,1,4] = -2416/1365, nop[2,2,1,2,2,3] = -18673/5460, nop[2,2,1,2,3,2] = -131/1092, nop[2,2,1,2,4,1] = -3919/1820, nop[2,2,1,3,1,1] = -32017/1365, nop[2,2,1,3,2,2] = -31028/273, nop[2,2,1,3,3,1] = 54797/1365, nop[2,2,1,4,1,2] = 89533/1365, nop[2,2,1,4,2,1] = 59401/2730, nop[2,2,1,5,1,1] = -48569/1092, nop[2,2,2,1,1,4] = 4867/455, nop[2,2,2,1,2,3] = 2451/1820, nop[2,2,2,1,3,2] = 7297/364, nop[2,2,2,1,4,1] = -15931/1820, nop[2,2,2,2,1,3] = -996/455, nop[2,2,2,2,2,2] = 1/91, nop[2,2,2,2,3,1] = -1173/910, nop[2,2,2,3,1,2] = 6154/455, nop[2,2,2,3,2,1] = 2059/455, nop[2,2,2,4,1,1] = -4525/1092, nop[2,2,3,1,1,3] = -10721/364, nop[2,2,3,1,2,2] = -131683/1820, nop[2,2,3,1,3,1] = 24109/1820, nop[2,2,3,2,1,2] = -10721/364, nop[2,2,3,2,2,1] = -1493/182, nop[2,2,3,3,1,1] = -27943/1820, nop[2,2,4,1,1,2] = 33043/910, nop[2,2,4,1,2,1] = 24767/1365, nop[2,2,4,2,1,1] = 4919/455, nop[2,2,5,1,1,1] = -22852/1365, nop[2,3,1,1,1,4] = 84034/1365, nop[2,3,1,1,2,3] = 146947/5460, nop[2,3,1,1,3,2] = 105065/1092, nop[2,3,1,1,4,1] = -146437/5460, nop[2,3,1,2,1,3] = 54433/1365, nop[2,3,1,2,2,2] = 46322/273, nop[2,3,1,2,3,1] = -24656/455, nop[2,3,1,3,1,2] = -24217/1365, nop[2,3,1,3,2,1] = -5983/910, nop[2,3,1,4,1,1] = 17541/364, nop[2,3,2,1,1,3] = 146947/5460, nop[2,3,2,1,2,2] = 105065/1092, nop[2,3,2,1,3,1] = -146437/5460, nop[2,3,2,2,1,2] = 146947/5460, nop[2,3,2,2,2,1] = 10688/1365, nop[2,3,2,3,1,1] = 21163/1092, nop[2,3,3,1,1,2] = 54433/1365, nop[2,3,3,1,2,1] = 9747/910, nop[2,3,3,2,1,1] = 8830/273, nop[2,3,4,1,1,1] = -5983/910, nop[2,4,1,1,1,3] = -32261/455, nop[2,4,1,1,2,2] = -10256/91, nop[2,4,1,1,3,1] = -26863/5460, nop[2,4,1,2,1,2] = -32261/455, nop[2,4,1,2,2,1] = -140977/5460, nop[2,4,1,3,1,1] = -35803/1092, nop[2,4,2,1,1,2] = -45217/910, nop[2,4,2,1,2,1] = -115237/5460, nop[2,4,2,2,1,1] = -12637/1092, nop[2,4,3,1,1,1] = -269677/5460, nop[2,5,1,1,1,2] = 6852/91, nop[2,5,1,1,2,1] = 47371/1092, nop[2,5,1,2,1,1] = 67607/1820, nop[2,5,2,1,1,1] = 47371/1092, nop[2,6,1,1,1,1] = -48119/1820, nop[3,1,1,1,1,5] = -18845/1092, nop[3,1,1,1,2,4] = -16175/156, nop[3,1,1,1,3,3] = 71073/910, nop[3,1,1,1,4,2] = -64349/455, nop[3,1,1,1,5,1] = 332851/5460, nop[3,1,1,2,1,4] = -18845/1092, nop[3,1,1,2,2,3] = -15298/1365, nop[3,1,1,2,3,2] = -63629/2730, nop[3,1,1,2,4,1] = 18251/5460, nop[3,1,1,3,1,3] = -14483/390, nop[3,1,1,3,2,2] = -33196/195, nop[3,1,1,3,3,1] = 15101/260, nop[3,1,1,4,1,2] = 71073/910, nop[3,1,1,4,2,1] = 23753/910, nop[3,1,1,5,1,1] = -340393/5460, nop[3,1,2,1,1,4] = 7877/5460, nop[3,1,2,1,2,3] = -22153/5460, nop[3,1,2,1,3,2] = 37907/5460, nop[3,1,2,1,4,1] = -35803/5460, nop[3,1,2,2,1,3] = -1021/195, nop[3,1,2,2,2,2] = 103/390, nop[3,1,2,2,3,1] = -529/130, nop[3,1,2,3,1,2] = 1/455, nop[3,1,2,3,2,1] = 459/1820, nop[3,1,2,4,1,1] = -10063/5460, nop[3,1,3,1,1,3] = -54881/1092, nop[3,1,3,1,2,2] = -718849/5460, nop[3,1,3,1,3,1] = 144377/5460, nop[3,1,3,2,1,2] = -54881/1092, nop[3,1,3,2,2,1] = -15569/1092, nop[3,1,3,3,1,1] = -151919/5460, nop[3,1,4,1,1,2] = 40961/780, nop[3,1,4,1,2,1] = 6807/260, nop[3,1,4,2,1,1] = 12127/780, nop[3,1,5,1,1,1] = -57599/1820, nop[3,2,1,1,1,4] = -18845/1092, nop[3,2,1,1,2,3] = -15298/1365, nop[3,2,1,1,3,2] = -63629/2730, nop[3,2,1,1,4,1] = 18251/5460, nop[3,2,1,2,1,3] = -14483/390, nop[3,2,1,2,2,2] = -33196/195, nop[3,2,1,2,3,1] = 15101/260, nop[3,2,1,3,1,2] = 71073/910, nop[3,2,1,3,2,1] = 23753/910, nop[3,2,1,4,1,1] = -340393/5460, nop[3,2,2,1,1,3] = -15298/1365, nop[3,2,2,1,2,2] = -63629/2730, nop[3,2,2,1,3,1] = 18251/5460, nop[3,2,2,2,1,2] = -15298/1365, nop[3,2,2,2,2,1] = -7391/2730, nop[3,2,2,3,1,1] = -25793/5460, nop[3,2,3,1,1,2] = -14483/390, nop[3,2,3,1,2,1] = -1101/130, nop[3,2,3,2,1,1] = -23909/780, nop[3,2,4,1,1,1] = 23753/910, nop[3,3,1,1,1,3] = -22153/5460, nop[3,3,1,1,2,2] = 37907/5460, nop[3,3,1,1,3,1] = -35803/5460, nop[3,3,1,2,1,2] = -22153/5460, nop[3,3,1,2,2,1] = -5773/5460, nop[3,3,1,3,1,1] = 4237/5460, nop[3,3,2,1,1,2] = -1021/195, nop[3,3,2,1,2,1] = -343/260, nop[3,3,2,2,1,1] = -157/390, nop[3,3,3,1,1,1] = 459/1820, nop[3,4,1,1,1,2] = -54881/1092, nop[3,4,1,1,2,1] = -15569/1092, nop[3,4,1,2,1,1] = -151919/5460, nop[3,4,2,1,1,1] = -15569/1092, nop[3,5,1,1,1,1] = 6807/260, nop[4,1,1,1,1,4] = 354799/5460, nop[4,1,1,1,2,3] = 9782/273, nop[4,1,1,1,3,2] = 256979/2730, nop[4,1,1,1,4,1] = -91829/5460, nop[4,1,1,2,1,3] = 15703/546, nop[4,1,1,2,2,2] = 73792/1365, nop[4,1,1,2,3,1] = -10319/5460, nop[4,1,1,3,1,2] = 32863/546, nop[4,1,1,3,2,1] = 11023/546, nop[4,1,1,4,1,1] = 34583/5460, nop[4,1,2,1,1,3] = 9782/273, nop[4,1,2,1,2,2] = 256979/2730, nop[4,1,2,1,3,1] = -91829/5460, nop[4,1,2,2,1,2] = 9782/273, nop[4,1,2,2,2,1] = 6733/546, nop[4,1,2,3,1,1] = 120383/5460, nop[4,1,3,1,1,2] = 15703/546, nop[4,1,3,1,2,1] = 5875/546, nop[4,1,3,2,1,1] = 81773/5460, nop[4,1,4,1,1,1] = 11023/546, nop[4,2,1,1,1,3] = 182627/5460, nop[4,2,1,1,2,2] = 458903/5460, nop[4,2,1,1,3,1] = -73811/5460, nop[4,2,1,2,1,2] = 182627/5460, nop[4,2,1,2,2,1] = 64327/5460, nop[4,2,1,3,1,1] = 36791/1820, nop[4,2,2,1,1,2] = 24743/1365, nop[4,2,2,1,2,1] = 45737/5460, nop[4,2,2,2,1,1] = 4453/910, nop[4,2,3,1,1,1] = 157277/5460, nop[4,3,1,1,1,2] = 266711/5460, nop[4,3,1,1,2,1] = 88351/5460, nop[4,3,1,2,1,1] = 88351/5460, nop[4,4,1,1,1,1] = -4313/5460, nop[4,5,1,1,1,3] = -5386/91, nop[5,1,1,1,2,2] = -9771/182, nop[5,1,1,1,3,1] = -10715/364, nop[5,1,1,2,1,2] = -5386/91, nop[5,1,1,2,2,1] = -4857/182, nop[5,1,1,3,1,1] = -28141/1092, nop[5,1,2,1,1,2] = -8627/182, nop[5,1,2,1,2,1] = -13141/546, nop[5,1,2,2,1,1] = -15271/1092, nop[5,1,3,1,1,1] = -3103/78, nop[5,2,1,1,1,2] = -5386/91, nop[5,2,1,1,2,1] = -4857/182, nop[5,2,1,2,1,1] = -28141/1092, nop[5,2,2,1,1,1] = -4857/182, nop[5,3,1,1,1,1] = -13141/546, nop[5,3,1,1,2,1] = 12014/455, nop[6,1,1,1,1,2] = 12014/455, nop[6,1,1,2,1,1] = 24483/910, nop[6,1,1,2,1,1] = 20771/1092, nop[6,1,2,1,1,1] = 24483/910, nop[6,2,1,1,1,1] = 72019/2730, nop[7,1,1,1,

1,1] = 1/26, nop[1,1,1,1,1,6] = 2027/182, nop[1,1,1,1,1,2,5] = -119/26, nop[1,1,1,1,1,3,4] = 7747/182, nop[1,1,1,1,1,4,3] = -4349/91, nop[1,1,1,1,1,5,2] = 4946/91, nop[1,1,1,1,1,6,1] = -4733/182, nop[1,1,1,1,2,1,5] = -5457/130, nop[1,1,1,1,2,2,4] = -145449/910, nop[1,1,1,1,2,3,3] = 49326/455, nop[1,1,1,1,2,4,2] = -21080/91, nop[1,1,1,1,2,5,1] = 94453/910, nop[1,1,1,1,1,3,1,4] = 18567/130, nop[1,1,1,1,3,2,3] = 10273/130, nop[1,1,1,1,3,3,2] = 26861/130, nop[1,1,1,1,3,4,1] = -5301/130, nop[1,1,1,1,4,1,3] = -149453/910, nop[1,1,1,1,4,2,2] = -225529/910, nop[1,1,1,1,4,3,1] = -4447/182, nop[1,1,1,1,5,1,2] = 32343/182, nop[1,1,1,1,5,2,1] = 18147/182, nop[1,1,1,1,6,1,1] = -23473/273, nop[1,1,1,2,1,1,5] = -119/26, nop[1,1,1,2,1,2,4] = 7747/182, nop[1,1,1,2,1,3,3] = -4349/91, nop[1,1,1,2,1,4,2] = 4946/91, nop[1,1,1,2,1,5,1] = -4733/182, nop[1,1,1,2,2,1,4] = -119/26, nop[1,1,1,2,2,2,3] = 12/13, nop[1,1,1,2,2,3,2] = -131/13, nop[1,1,1,2,2,4,1] = 141/26, nop[1,1,1,2,3,1,3] = 1371/91, nop[1,1,1,2,3,2,2] = 6376/91, nop[1,1,1,2,3,3,1] = -4447/182, nop[1,1,1,2,4,1,2] = -4349/91, nop[1,1,1,2,4,2,1] = -1437/91, nop[1,1,1,2,5,1,1] = 16117/546, nop[1,1,1,3,1,1,4] = -5457/130, nop[1,1,1,3,1,2,3] = -1739/130, nop[1,1,1,3,1,3,2] = -1835/26, nop[1,1,1,3,1,4,1] = 3279/130, nop[1,1,1,3,2,1,3] = -22174/455, nop[1,1,1,3,2,2,2] = -24655/91, nop[1,1,1,3,2,3,1] = 45439/455, nop[1,1,1,3,3,1,2] = 49326/455, nop[1,1,1,3,3,2,1] = 32677/910, nop[1,1,1,3,4,1,1] = -49949/546, nop[1,1,1,4,1,1,3] = 10273/130, nop[1,1,1,4,2,1,2] = 26861/130, nop[1,1,1,4,3,1,1] = -5301/130, nop[1,1,1,4,4,1,2] = 10273/130, nop[1,1,1,4,2,2,1] = 2993/130, nop[1,1,1,4,3,1,1] = 17273/390, nop[1,1,1,5,1,1,2] = -149453/910, nop[1,1,1,5,1,2,1] = -60273/910, nop[1,1,1,5,2,1,1] = -218857/2730, nop[1,1,1,6,1,1,1] = 18147/182, nop[1,1,2,1,1,1,5] = 530/39, nop[1,1,2,1,1,2,4] = 31595/273, nop[1,1,2,1,1,3,3] = -26606/273, nop[1,1,2,1,1,4,2] = 43321/273, nop[1,1,2,1,1,5,1] = -13105/182, nop[1,1,2,1,2,1,4] = 530/39, nop[1,1,2,1,2,2,3] = 631/78, nop[1,1,2,1,2,3,2] = 1489/78, nop[1,1,2,1,2,4,1] = -305/78, nop[1,1,2,1,3,1,3] = 10574/273, nop[1,1,2,1,3,2,2] = 52616/273, nop[1,1,2,1,3,3,1] = -18728/273, nop[1,1,2,1,4,1,2] = -26606/273, nop[1,1,2,1,4,2,1] = -8861/273, nop[1,1,2,1,5,1,1] = 39049/546, nop[1,1,2,2,1,1,4] = 2504/65, nop[1,1,2,2,1,2,3] = 2291/130, nop[1,1,2,2,1,3,2] = 1545/26, nop[1,1,2,2,1,4,1] = -6673/390, nop[1,1,2,2,2,1,3] = 36976/455, nop[1,1,2,2,2,2,2] = 38226/91, nop[1,1,2,2,2,3,1] = -206753/1365, nop[1,1,2,2,3,1,2] = -91724/455, nop[1,1,2,2,3,2,1] = -91352/1365, nop[1,1,2,2,4,1,1] = 83093/546, nop[1,1,2,3,1,1,3] = -5717/130, nop[1,1,2,3,1,2,2] = -16299/130, nop[1,1,2,3,1,3,1] = 10487/390, nop[1,1,2,3,2,1,2] = -5717/130, nop[1,1,2,3,2,2,1] = -2693/195, nop[1,1,2,3,3,1,1] = -3559/130, nop[1,1,2,4,1,1,2] = 72011/455, nop[1,1,2,4,1,2,1] = 74528/1365, nop[1,1,2,4,2,1,1] = 43528/455, nop[1,1,2,5,1,1,1] = -29882/273, nop[1,1,3,1,1,1,4] = -1470/13, nop[1,1,3,1,1,2,2] = -1367/26, nop[1,1,3,1,1,3,2] = -4513/26, nop[1,1,3,1,1,4,1] = 1181/26, nop[1,1,3,1,2,1,3] = -8002/91, nop[1,1,3,1,2,2,2] = -34028/91, nop[1,1,3,1,2,3,1] = 10926/91, nop[1,1,3,1,3,1,2] = 6298/91, nop[1,1,3,1,3,2,1] = 2203/91, nop[1,1,3,1,4,1,1] = -62143/546, nop[1,1,3,2,1,1,3] = -1367/26, nop[1,1,3,2,1,2,2] = -4513/26, nop[1,1,3,2,1,3,1] = 1181/26, nop[1,1,3,2,2,1,2] = -1367/26, nop[1,1,3,2,2,2,1] = -196/13, nop[1,1,3,2,3,1,1] = -2749/78, nop[1,1,3,3,1,1,2] = -8002/91, nop[1,1,3,3,1,2,1] = -2087/91, nop[1,1,3,3,2,1,1] = -19274/273, nop[1,1,3,4,1,1,1] = 2203/91, nop[1,1,4,1,1,1,3] = 10538/65, nop[1,1,4,1,1,2,2] = 4224/13, nop[1,1,4,1,3,1,1] = -3221/130, nop[1,1,4,1,2,1,2] = 10538/65, nop[1,1,4,1,2,2,1] = 7361/130, nop[1,1,4,1,3,1,1] = 6533/78, nop[1,1,4,2,1,1,2] = 80201/455, nop[1,1,4,2,1,2,1] = 54387/910, nop[1,1,4,2,2,1,1] = 53453/546, nop[1,1,4,3,1,1,1] = 37227/910, nop[1,1,5,1,1,1,2] = -16476/65, nop[1,1,5,1,1,2,1] = -15207/130, nop[1,1,5,1,2,1,1] = -17209/130, nop[1,1,5,2,1,1,1] = -15207/130, nop[1,1,6,1,1,1,1] = 130827/910, nop[1,1,6,1,1,2,1] = 1408/130, nop[1,2,1,1,1,1,5] = -119/26, nop[1,2,1,1,1,2,4] = 7747/182, nop[1,2,1,1,1,3,3] = -4349/91, nop[1,2,1,1,1,4,2] = 4946/91, nop[1,2,1,1,1,5,1] = -4733/182, nop[1,2,1,1,2,1,4] = -119/26, nop[1,2,1,1,2,2,3] = 12/13, nop[1,2,1,1,2,3,2] = -131/13, nop[1,2,1,1,2,4,1] = 141/26, nop[1,2,1,1,3,1,3] = 1371/91, nop[1,2,1,1,3,2,2] = 6376/91, nop[1,2,1,1,3,3,1] = -4447/182, nop[1,2,1,1,4,1,2] = -4349/91, nop[1,2,1,1,4,2,1] = -1437/91, nop[1,2,1,1,5,1,1] = 16117/546, nop[1,2,1,1,5,1,4] = -5457/130, nop[1,2,1,2,1,2,3] = -1739/130, nop[1,2,1,2,1,3,2] = -1835/26, nop[1,2,1,2,1,4,1] = 3279/130, nop[1,2,1,2,2,1,3] = -22174/455, nop[1,2,1,2,2,2,2] = -24655/91, nop[1,2,1,2,2,3,1] = 45439/455, nop[1,2,1,2,3,1,2] = 49326/455, nop[1,2,1,2,3,2,1] = 32677/910, nop[1,2,1,2,4,1,1] = -49949/546, nop[1,2,1,3,1,1,3] = 10273/130, nop[1,2,1,3,1,2,2] = 26861/130, nop[1,2,1,3,1,3,1] = -5301/130, nop[1,2,1,3,2,1,2] = 10273/130, nop[1,2,1,3,2,2,1] = 2993/130, nop[1,2,1,3,3,1,1] = 17273/390, nop[1,2,1,4,1,1,2] = -149453/910, nop[1,2,1,4,1,2,1] = -60273/910, nop[1,2,1,4,2,1,1] = -218857/2730, nop[1,2,1,5,1,1,1] = 18147/182, nop[1,2,2,1,1,1,4] = -119/26, nop[1,2,2,1,1,2,3] = 12/13, nop[1,2,2,1,1,3,2] = -131/13, nop[1,2,2,1,1,4,1] = 141/26, nop[1,2,2,1,2,1,3] = 1371/91, nop[1,2,2,1,2,2,2] = 6376/91, nop[1,2,2,1,2,3,1] = -4447/182, nop[1,2,2,1,3,1,2] = -4349/91, nop[1,2,2,1,3,2,1] = -1437/91, nop[1,2,2,1,4,1,1] = 16117/546, nop[1,2,2,2,1,1,3] = 12/13, nop[1,2,2,2,1,2,2] = -131/13, nop[1,2,2,2,1,3,1] = 141/26, nop[1,2,2,2,2,1,2] = 12/13, nop[1,2,2,2,2,2,1] = -1/13, nop[1,2,2,2,3,1,1] = -149/78, nop[1,2,2,3,1,1,2] = 1371/91, nop[1,2,2,3,1,2,1] = 279/91, nop[1,2,2,3,2,1,1] = 6679/546, nop[1,2,2,4,1,1,1] = -1437/91, nop[1,2,3,1,1,1,3] = -1739/130, nop[1,2,3,1,1,2,2] = -1835/26, nop[1,2,3,1,1,3,1] = 3279/130, nop[1,2,3,1,2,1,2] = -1739/130, nop[1,2,3,1,3,1,1] = -1007/78, nop[1,2,3,1,3,2,1] = -439/130, nop[1,2,3,2,1,1,2] = -22174/455, nop[1,2,3,2,1,2,1] = -10223/910, nop[1,2,3,2,2,1,1] = -13177/273, nop[1,2,3,3,1,1,1] = 32677/910, nop[1,2,4,1,1,1,2] = 10273/130, nop[1,2,4,1,1,2,1] = 2993/130, nop[1,2,4,1,2,1,1] = 17273/390, nop[1,2,4,2,1,1,1] = 2993/130, nop[1,2,5,1,1,1,1] = -60273/910, nop[1,3,1,1,1,1,4] = 530/39, nop[1,3,1,1,1,2,3] = 631/78, nop[1,3,1,1,1,3,2] = 1489/78, nop[1,3,1,1,1,4,1] = -305/78, nop[1,3,1,1,2,1,3] = 10574/273, nop[1,3,1,1,2,2,2] = 52616/273, nop[1,3,1,1,2,3,1] = -18728/273, nop[1,3,1,1,3,1,2] = -26606/273, nop[1,3,1,1,3,2,1] = -8861/273, nop[1,3,1,1,4,1,1] = 39049/546, nop[1,3,1,1,2,1,1] = 631/78, nop[1,3,1,1,2,2,2] = 1489/78, nop[1,3,1,2,1,3,1] = -305/78, nop[1,3,1,2,2,1,2] = 631/78, nop[1,3,1,2,2,2,1] = 62/39, nop[1,3,1,2,3,1,1] = 89/26, nop[1,3,1,3,1,1,2] = 10574/273, nop[1,3,1,3,1,2,1] = 2293/273, nop[1,3,1,3,2,1,1] = 3100/91, nop[1,3,1,4,1,1,1] = -8861/273, nop[1,3,2,1,1,1,3] = 2291/130, nop[1,3,2,1,1,2,2] = 1545/26, nop[1,3,2,1,1,3,1] = -6673/390, nop[1,3,2,1,2,1,2] = 2291/130, nop[1,3,2,1,2,2,1] = 739/195, nop[1,3,2,1,3,1,1] = 839/78, nop[1,3,2,2,1,1,2] = 36976/455, nop[1,3,2,2,1,2,1] = 24478/1365, nop[1,3,2,2,2,1,1] = 20311/273, nop[1,3,2,3,1,1,1] = -91352/1365, nop[1,3,3,1,1,2,1] = -5717/130, nop[1,3,3,1,1,2,1] = -2693/195, nop[1,3,3,1,2,1,1] = -3559/130, nop[1,3,3,2,1,1,1] = -2693/195, nop[1,3,4,1,1,1,1] = 74528/1365, nop[1,4,1,1,1,1,3] = -1367/26, nop[1,4,1,1,1,2,2] = -4513/26, nop[1,4,1,1,1,3,1] = 1181/26, nop[1,4,1,1,2,1,2] = -1367/26, nop[1,4,1,1,2,2,1] = -196/13, nop[1,4,1,1,3,1,1] = -2749/78, nop[1,4,1,2,1,1,2] = -8002/91, nop[1,4,1,2,1,2,1] = -2087/91, nop[1,4,1,2,2,1,1] = -19274/273, nop[1,4,1,3,1,1,1] = 2203/91, nop[1,4,2,1,1,1,2] = -1367/26, nop[1,4,2,1,1,2,1] = -196/13, nop[1,4,2,2,1,1,1] = -196/13, nop[1,4,3,1,1,1,1] = -2087/91, nop[1,5,1,1,1,1,2] = 10538/65, nop[1,5,1,1,1,2,1] = 7361/130, nop[1,5,1,1,2,1,1] = 6533/78, nop[1,5,1,2,1,1,1] = 7361/130, nop[1,5,2,1,1,1,1] = 54387/910, nop[1,6,1,1,1,1,1] = -15207/130, nop[2,1,1,1,1,1,5] = -39931/5460, nop[2,1,1,1,1,2,4] = 174569/5460, nop[2,1,1,1,1,3,3] = -111271/2730, nop[2,1,1,1,1,4,2] = 10709/273, nop[2,1,1,1,1,5,1] = -15109/780, nop[2,1,1,1,1,2,1,4] = -39931/5460, nop[2,1,1,1,2,2,3] = -223/1365, nop[2,1,1,1,2,3,2] = -7897/546, nop[2,1,1,1,2,4,1] = 37237/5460, nop[2,1,1,1,3,1,3] = 31729/2730, nop[2,1,1,1,3,2,2] = 14284/273, nop[2,1,1,1,3,3,1] = -32871/1820, nop[2,1,1,1,4,1,2] = -111271/2730, nop[2,1,1,1,4,2,1] = -12217/910, nop[2,1,1,1,5,1,1] = 25637/1092, nop[2,1,1,2,1,1,4] = -92723/1820, nop[2,1,1,2,1,2,3] = -30661/1820, nop[2,1,1,2,1,3,2] = -30957/364, nop[2,1,1,2,1,4,1] = 163363/5460, nop[2,1,1,2,2,1,3] = -28579/455, nop[2,1,1,2,2,2,2] = -62883/182, nop[2,1,1,2,2,3,1] = 346589/2730, nop[2,1,1,2,3,1,2] = 64371/455, nop[2,1,1,2,3,2,1] = 256027/5460, nop[2,1,1,2,4,1,1] = -42839/364, nop[2,1,1,3,1,1,3] = 33107/364, nop[2,1,1,3,1,2,2] = 433803/1820, nop[2,1,1,3,1,3,1] = -25707/5460, nop[2,1,1,3,2,1,2] = 33107/364, nop[2,1,1,3,2,2,1] = 29069/1092, nop[2,1,1,3,3,1,1] = 279479/5460, nop[2,1,1,4,1,1,2] = -359561/1820, nop[2,1,1,4,1,2,1] = -142981/280, nop[2,1,1,4,2,1,1] = -539053/5460, nop[2,1,1,5,1,1,1] = 220811/1820, nop[2,1,2,1,1,1,4] = -39931/5460, nop[2,1,2,1,1,2,3] = -223/1365, nop[2,1,2,1,1,3,2] = -7897/546, nop[2,1,2,1,1,4,1] = 37237/5460, nop[2,1,2,1,2,1,3] = 31729/2730, nop[2,1,2,1,2,2,2] = 14284/273, nop[2,1,2,1,2,3,1] = -32871/1820, nop[2,1,2,1,3,1,2] = -111271/2730, nop[2,1,2,1,3,2,1] = -12217/910, nop[2,1,2,1,4,1,1] = 25637/1092, nop[2,1,2,2,1,1,3] = -223/1365, nop[2,1,2,2,1,2,1] = -7897/546, nop[2,1,2,2,1,3,1] = 37237/5460, nop[2,1,2,2,2,1,2] = -223/1365, nop[2,1,2,2,2,2,1] = -901/2730, nop[2,1,2,2,3,1,1] = -2963/1092, nop[2,1,2,3,1,1,2] = 31729/2730, nop[2,1,2,3,1,2,1] = 2083/910, nop[2,1,2,3,2,1,1] =

9907/1092, nop[2,1,2,4,1,1,1] = -12217/910, nop[2,1,3,1,1,3] = -30661/1820, nop[2,1,3,1,1,2,2] = -30957/364, nop[2,1,3,1,1,3,1] = 163363/5460, nop[2,1,3,1,2,1,2] = -30661/1820, nop[2,1,3,1,2,2,1] = -22823/5460, nop[2,1,3,1,3,1,1] = -5659/364, nop[2,1,3,2,1,1,2] = -28579/455, nop[2,1,3,2,1,2,1] = -78593/5460, nop[2,1,3,2,2,1,1] = -11195/182, nop[2,1,3,3,1,1,1] = 256027/5460, nop[2,1,4,1,1,1,2] = 33107/364, nop[2,1,4,1,1,2,1] = 29069/1092, nop[2,1,4,1,2,1,1] = 279479/5460, nop[2,1,4,2,1,1,1] = 29069/1092, nop[2,1,5,1,1,1,1] = -142981/1820, nop[2,2,1,1,1,1,4] = 2416/1365, nop[2,2,1,1,1,2,3] = 18673/5460, nop[2,2,1,1,1,3,2] = 131/1092, nop[2,2,1,1,1,4,1] = 3919/1820, nop[2,2,1,1,2,1,3] = 32017/1365, nop[2,2,1,1,2,2,2] = 31028/273, nop[2,2,1,1,2,3,1] = -54797/1365, nop[2,2,1,1,3,1,2] = -89533/1365, nop[2,2,1,1,3,2,1] = -59401/2730, nop[2,2,1,1,4,1,1] = 48569/1092, nop[2,2,1,2,1,1,3] = 18673/5460, nop[2,2,1,2,1,2,2] = 131/1092, nop[2,2,1,2,1,3,1] = 3919/1820, nop[2,2,1,2,2,1,2] = 18673/5460, nop[2,2,1,2,2,2,1] = 229/455, nop[2,2,1,2,3,1,1] = -17/364, nop[2,2,1,3,1,1,2] = 32017/1365, nop[2,2,1,3,1,2,1] = 13529/2730, nop[2,2,1,3,2,1,1] = 1819/91, nop[2,2,1,4,1,1,1] = -59401/2730, nop[2,2,2,1,1,1,3] = -2451/1820, nop[2,2,2,1,1,2,2] = -7297/364, nop[2,2,2,1,1,3,1] = 15931/1820, nop[2,2,2,1,2,1,2] = -2451/1820, nop[2,2,2,1,2,2,1] = -543/910, nop[2,2,2,1,3,1,1] = -4055/1092, nop[2,2,2,2,1,1,2] = 996/455, nop[2,2,2,2,1,2,1] = 86/455, nop[2,2,2,2,1,1] = -97/546, nop[2,2,2,3,1,1,1] = -2059/455, nop[2,2,3,1,1,1,2] = 10721/364, nop[2,2,3,1,1,2,1] = 1493/182, nop[2,2,3,1,2,1,1] = 27943/1820, nop[2,2,3,2,1,1,1] = 1493/182, nop[2,2,4,1,1,1,1] = -24767/1365, nop[2,3,1,1,1,1,3] = -146947/5460, nop[2,3,1,1,2,2] = -105065/1092, nop[2,3,1,1,1,3,1] = 146437/5460, nop[2,3,1,1,2,1,2] = -146947/5460, nop[2,3,1,1,2,2,1] = -10688/1365, nop[2,3,1,1,3,1,1] = -21163/1092, nop[2,3,1,2,1,1,2] = -54433/1365, nop[2,3,1,2,1,2,1] = -9747/910, nop[2,3,1,2,2,1,1] = -8830/273, nop[2,3,1,3,1,1,1] = 5983/910, nop[2,3,2,1,1,1,2] = -146947/5460, nop[2,3,2,1,1,2,1] = -10688/1365, nop[2,3,2,1,2,1,1] = -21163/1092, nop[2,3,2,2,1,1,1] = -10688/1365, nop[2,3,3,1,1,1,1] = -9747/910, nop[2,4,1,1,1,1,2] = 32261/455, nop[2,4,1,1,1,2,1] = 140977/5460, nop[2,4,1,1,2,1,1] = 35803/1092, nop[2,4,1,2,1,1,1] = 140977/5460, nop[2,4,2,1,1,1,1] = 115237/5460, nop[2,5,1,1,1,1,1] = -47371/1092, nop[3,1,1,1,1,1,4] = 18845/1092, nop[3,1,1,1,1,2,3] = 15298/1365, nop[3,1,1,1,1,3,2] = 63629/2730, nop[3,1,1,1,4,1,1] = -18251/5460, nop[3,1,1,1,2,1,3] = 14483/390, nop[3,1,1,1,2,2,2] = 33196/195, nop[3,1,1,1,2,3,1] = -15101/260, nop[3,1,1,1,3,1,2] = -71073/910, nop[3,1,1,1,3,2,1] = -23753/910, nop[3,1,1,1,4,1,1] = 340393/5460, nop[3,1,1,2,1,1,3] = 15298/1365, nop[3,1,1,2,1,2,2] = 63629/2730, nop[3,1,1,2,1,3,1] = -18251/5460, nop[3,1,1,2,2,1,1] = 15298/1365, nop[3,1,1,2,2,2,1] = 7391/2730, nop[3,1,1,2,3,1,1] = 25793/5460, nop[3,1,1,3,1,1,2] = 14483/390, nop[3,1,1,3,1,2,1] = 1101/130, nop[3,1,1,3,2,1,1] = 23909/780, nop[3,1,1,4,1,1,1] = -23753/910, nop[3,1,2,1,1,1,3] = 22153/5460, nop[3,1,2,1,1,2,2] = -37907/5460, nop[3,1,2,1,1,3,1] = 35803/5460, nop[3,1,2,1,2,1,2] = 22153/5460, nop[3,1,2,1,2,2,1] = 5773/5460, nop[3,1,2,1,3,1,1] = -4237/5460, nop[3,1,2,2,1,1,2] = 1021/195, nop[3,1,2,2,1,2,1] = 343/260, nop[3,1,2,2,2,1,1] = 157/390, nop[3,1,2,3,1,1,1] = -459/1820, nop[3,1,3,1,1,1,2] = 54881/1092, nop[3,1,3,1,1,2,1] = 15569/1092, nop[3,1,3,1,2,1,1] = 151919/5460, nop[3,1,3,2,1,1,1] = 15569/1092, nop[3,1,4,1,1,1,1] = -6807/260, nop[3,2,1,1,1,1,3] = 15298/1365, nop[3,2,1,1,1,2,2] = 63629/2730, nop[3,2,1,1,1,3,1] = -18251/5460, nop[3,2,1,1,2,1,2] = 15298/1365, nop[3,2,1,1,2,2,1] = 7391/2730, nop[3,2,1,1,3,1,1] = 25793/5460, nop[3,2,1,2,1,1,2] = 14483/390, nop[3,2,1,2,1,2,1] = 1101/130, nop[3,2,1,2,2,1,1] = 23909/780, nop[3,2,1,3,1,1,1] = -23753/910, nop[3,2,2,1,1,1,2] = 15298/1365, nop[3,2,2,1,1,2,1] = 7391/2730, nop[3,2,2,1,2,1,1] = 25793/5460, nop[3,2,2,2,1,1,1] = 7391/2730, nop[3,3,1,1,1,1,1] = 1101/130, nop[3,3,1,1,1,1,2] = 22153/5460, nop[3,3,1,1,1,2,1] = 5773/5460, nop[3,3,1,1,2,1,1] = -4237/5460, nop[3,3,1,2,1,1,1] = 5773/5460, nop[3,3,2,1,1,1,1] = 343/260, nop[3,4,1,1,1,1,1] = 15569/1092, nop[4,1,1,1,1,1,3] = -9782/273, nop[4,1,1,1,1,2,2] = -256979/2730, nop[4,1,1,1,1,3,1] = 91829/5460, nop[4,1,1,1,2,1,2] = -9782/273, nop[4,1,1,1,2,2,1] = -6733/546, nop[4,1,1,1,3,1,1] = -120383/5460, nop[4,1,1,2,1,1,2] = -15703/546, nop[4,1,1,2,1,2,1] = -5875/546, nop[4,1,1,2,2,1,1] = -81773/5460, nop[4,1,1,3,1,1,1] = -11023/546, nop[4,1,2,1,1,1,2] = -9782/273, nop[4,1,2,1,1,2,1] = -6733/546, nop[4,1,2,1,2,1,1] = -120383/5460, nop[4,1,2,2,1,1,1] = -6733/546, nop[4,1,3,1,1,1,1] = -5875/546, nop[4,2,1,1,1,1,2] = -182627/5460, nop[4,2,1,1,2,1,1] = -64327/5460, nop[4,2,1,2,1,1] = -36791/1820, nop[4,2,1,2,2,1,1] = -64327/5460, nop[4,2,2,1,1,1,1] = -45737/5460, nop[4,3,1,1,1,1,1] = -88351/5460, nop[5,1,1,1,1,1,2] = 5386/91, nop[5,1,1,1,1,2,1] = 4857/182, nop[5,1,1,1,2,1,1] = 28141/1092, nop[5,1,1,2,1,1,1] = 4857/182, nop[5,1,2,1,1,1,1] = 13141/546, nop[5,2,1,1,1,1,1] = 4857/182, nop[6,1,1,1,1,1,1] = -24483/910, nop[1,1,1,1,1,1,1,5] = 119/26, nop[1,1,1,1,1,1,1,2,4] = -7747/182, nop[1,1,1,1,1,1,3,3] = 4349/91, nop[1,1,1,1,1,1,4,2] = -4946/91, nop[1,1,1,1,1,1,5,1] = 4733/182, nop[1,1,1,1,1,1,2,1,4] = 119/26, nop[1,1,1,1,1,2,2,3] = -12/13, nop[1,1,1,1,1,1,2,3,2] = 131/13, nop[1,1,1,1,1,1,2,4,1] = -141/26, nop[1,1,1,1,1,1,3,1,3] = -1371/91, nop[1,1,1,1,1,1,3,2,2] = -6376/91, nop[1,1,1,1,1,1,3,3,1] = 4447/182, nop[1,1,1,1,1,1,4,1,2] = 4349/91, nop[1,1,1,1,1,4,2,1] = 1437/91, nop[1,1,1,1,1,5,1,1] = -16117/546, nop[1,1,1,1,2,1,1,4] = 5457/130, nop[1,1,1,1,2,1,2,3] = 1739/130, nop[1,1,1,1,2,1,3,2] = 1835/26, nop[1,1,1,1,2,1,4,1] = -3279/130, nop[1,1,1,1,2,2,1,3] = 22174/455, nop[1,1,1,1,2,2,2,2] = 24655/91, nop[1,1,1,1,2,2,3,1] = -45439/455, nop[1,1,1,1,2,3,1,2] = -49326/455, nop[1,1,1,1,2,3,2,1] = -32677/910, nop[1,1,1,1,2,4,1,1] = 49949/546, nop[1,1,1,1,3,1,1,3] = -10273/130, nop[1,1,1,1,3,1,2,2] = -26861/130, nop[1,1,1,1,3,1,3,1] = 5301/130, nop[1,1,1,1,3,2,1,2] = -10273/130, nop[1,1,1,1,3,2,2,1] = -2993/130, nop[1,1,1,1,3,3,1,1] = -17273/390, nop[1,1,1,1,4,1,1,2] = 149453/910, nop[1,1,1,1,4,1,2,1] = 60273/910, nop[1,1,1,1,4,2,1,1] = 218857/2730, nop[1,1,1,1,5,1,1,1] = -18147/182, nop[1,1,1,2,1,1,1,4] = 119/26, nop[1,1,1,2,1,1,2,3] = -12/13, nop[1,1,1,2,1,1,3,2] = 131/13, nop[1,1,1,2,1,1,4,1] = -141/26, nop[1,1,1,2,1,1,4,1] = -141/26, nop[1,1,1,2,1,2,1,3] = -1371/91, nop[1,1,1,2,1,2,2,2] = -6376/91, nop[1,1,1,2,1,2,3,1] = 4447/182, nop[1,1,1,2,1,3,1,2] = 4349/91, nop[1,1,1,2,1,3,2,1] = 1437/91, nop[1,1,1,2,1,4,1,1] = -16117/546, nop[1,1,1,2,2,1,1,3] = -12/13, nop[1,1,1,2,2,1,2,2] = 131/13, nop[1,1,1,2,2,1,3,1] = -141/26, nop[1,1,1,2,2,2,1,2] = -12/13, nop[1,1,1,2,2,2,2,1] = 1/13, nop[1,1,1,2,2,3,1,1] = 149/78, nop[1,1,1,2,3,1,1,2] = -1371/91, nop[1,1,1,2,3,1,2,1] = -279/91, nop[1,1,1,2,3,2,1,1] = -6679/546, nop[1,1,1,2,4,1,1,1] = 1437/91, nop[1,1,1,3,1,1,1,3] = 1739/130, nop[1,1,1,3,1,1,2,2] = 1835/26, nop[1,1,1,3,1,1,3,1] = -3279/130, nop[1,1,1,3,1,2,1,2] = 1739/130, nop[1,1,1,3,1,2,2,1] = 439/130, nop[1,1,1,3,1,3,1,1] = 1007/78, nop[1,1,1,3,2,1,1,2] = 22174/455, nop[1,1,1,3,2,1,2,1] = 10223/910, nop[1,1,1,3,2,2,1,1] = 13177/273, nop[1,1,1,3,3,1,1,1] = -32677/910, nop[1,1,1,4,1,1,1,2] = -10273/130, nop[1,1,1,4,1,1,2,1] = -2993/130, nop[1,1,1,4,1,2,1,1] = -17273/390, nop[1,1,1,4,2,1,1,1] = -2993/130, nop[1,1,1,5,1,1,1,1] = 60273/910, nop[1,1,2,1,1,1,1,4] = -530/39, nop[1,1,2,1,1,1,2,3] = -631/78, nop[1,1,2,1,1,1,3,2] = -1489/78, nop[1,1,2,1,1,1,4,1] = 305/78, nop[1,1,2,1,1,2,1,3] = -10574/273, nop[1,1,2,1,1,2,2,2] = -52616/273, nop[1,1,2,1,1,2,3,1] = 18728/273, nop[1,1,2,1,1,3,1,2] = 26606/273, nop[1,1,2,1,1,3,2,1] = 8861/273, nop[1,1,2,1,1,4,1,1] = -39049/546, nop[1,1,2,1,2,1,1,3] = -631/78, nop[1,1,2,1,2,1,2,2] = -1489/78, nop[1,1,2,1,2,1,3,1] = 305/78, nop[1,1,2,1,2,2,1,2] = -631/78, nop[1,1,2,1,2,2,2,1] = -62/39, nop[1,1,2,1,2,3,1,1] = -89/26, nop[1,1,2,1,3,1,1,2] = -10574/273, nop[1,1,2,1,3,1,2,1] = -2293/273, nop[1,1,2,1,3,2,1,1] = -3100/91, nop[1,1,2,1,4,1,1,1] = 8861/273, nop[1,1,2,2,1,1,1,3] = -2291/130, nop[1,1,2,2,1,1,2,2] = -1545/26, nop[1,1,2,2,1,1,3,1] = 6673/390, nop[1,1,2,2,1,2,1,2] = -2291/130, nop[1,1,2,2,1,2,2,1] = -739/195, nop[1,1,2,2,1,3,1,1] = -839/78, nop[1,1,2,2,2,1,1,2] = -36976/455, nop[1,1,2,2,2,1,2,1] = -24478/1365, nop[1,1,2,2,2,2,1,1] = -20311/273, nop[1,1,2,2,3,1,1,1] = 91352/1365, nop[1,1,2,3,1,1,1,2] = 5717/130, nop[1,1,2,3,1,1,2,1] = 2693/195, nop[1,1,2,3,1,2,1,1] = 3559/130, nop[1,1,2,3,2,1,1,1] = 2693/195, nop[1,1,2,4,1,1,1,1] = -74528/1365, nop[1,1,3,1,1,1,1,3] = 1367/26, nop[1,1,3,1,1,1,2,2] = 4513/26, nop[1,1,3,1,1,1,3,1] = -1181/26, nop[1,1,3,1,1,2,1,2] = 1367/26, nop[1,1,3,1,1,2,2,1] = 196/13, nop[1,1,3,1,1,3,1,1] = 2749/78, nop[1,1,3,1,2,1,1,2] = 8002/91, nop[1,1,3,1,2,1,2,1] = 2087/91, nop[1,1,3,1,2,2,1,1] = 19274/273, nop[1,1,3,1,3,1,1,1] = -2203/91, nop[1,1,3,2,1,1,1,2] = 1367/26, nop[1,1,3,2,1,1,1,2] = 196/13, nop[1,1,3,2,1,2,1,1] = 2749/78, nop[1,1,3,2,2,1,1,1] = 196/13, nop[1,1,3,3,1,1,1,1] = 2087/91, nop[1,1,4,1,1,1,1,2] = -10538/65, nop[1,1,4,1,1,1,2,1] = -7361/130, nop[1,1,4,1,1,2,1,1] = -6533/78, nop[1,1,4,1,2,1,1,1] = -7361/130, nop[1,1,4,2,1,1,1,1] = -54387/910, nop[1,1,5,1,1,1,1,1] = 15207/130, nop[1,2,1,1,1,1,1,4] = 119/26, nop[1,2,1,1,1,1,2,3] = -12/13, nop[1,2,1,1,1,1,3,2] = 131/13, nop[1,2,1,1,1,1,4,1] = -141/26, nop[1,2,1,1,1,2,1,3] = -1371/91, nop[1,2,1,1,1,2,2,2] = -6376/91, nop[1,2,1,1,1,2,3,1] = 4447/182, nop[1,2,1,1,1,3,1,2] = 4349/91, nop[1,2,1,1,1,3,2,1] = 1437/91, nop[1,2,1,1,1,4,1,1] = -16117/546, nop[1,2,1,1,2,1,1,3] = -12/13, nop[1,2,1,1,2,1,2,2] = 131/13, nop[1,2,1,1,2,1,2,1] = 1437/91

,3,1] = -141/26, nop[1,2,1,1,2,2,1,2] = -12/13, nop[1,2,1,1,2,2,2,1] = 1/13, nop[1,2,1,1,2,3,1,1] = 149/78, nop[1,2,1,1,3,1,1,2] = -1371/91, nop[1,2,1,1,3,1,2,1] = -279/91, nop[1,2,1,1,3,2,1,1] = -6679/546, nop[1,2,1,1,4,1,1,1] = 1437/91, nop[1,2,1,2,1,1,1,3] = 1739/130, nop[1,2,1,2,1,1,2,2] = 1835/26, nop[1,2,1,2,1,1,2,2] = 131/13, nop[1,2,1,2,1,1,3,1] = -3279/130, nop[1,2,1,2,1,2,1,2] = 1739/130, nop[1,2,1,2,1,2,2,1] = 439/130, nop[1,2,1,2,1,3,1,1] = 1007/78, nop[1,2,1,2,2,1,1,2] = 22174/455, nop[1,2,1,2,2,1,2,1] = 10223/910, nop[1,2,1,2,2,2,1,1] = 13177/273, nop[1,2,1,2,3,1,1,1] = -32677/910, nop[1,2,1,3,1,1,1,2] = -10273/130, nop[1,2,1,3,1,1,2,1] = -2993/130, nop[1,2,1,3,1,2,1,1] = -17273/390, nop[1,2,1,3,2,1,1,1] = -2993/130, nop[1,2,1,4,1,1,1,1] = 60273/910, nop[1,2,2,1,1,1,3] = -12/13, nop[1,2,2,1,1,1,2,2] = 131/13, nop[1,2,2,1,1,1,3,1] = -141/26, nop[1,2,2,1,1,2,1,2] = -12/13, nop[1,2,2,1,1,2,2,1] = 1/13, nop[1,2,2,1,1,3,1,1] = 149/78, nop[1,2,2,1,2,1,1,2] = -1371/91, nop[1,2,2,1,2,1,2,1] = -279/91, nop[1,2,2,1,2,2,1,1] = -6679/546, nop[1,2,2,1,3,1,1,1] = 1437/91, nop[1,2,2,2,1,1,1,2] = -12/13, nop[1,2,2,2,1,1,2,1] = 1/13, nop[1,2,2,2,1,2,1,1] = 149/78, nop[1,2,2,2,2,1,1,1] = 1/13, nop[1,2,2,3,1,1,1,1] = -279/91, nop[1,2,3,1,1,1,1,2] = 1739/130, nop[1,2,3,1,1,1,2,1] = 439/130, nop[1,2,3,1,1,2,1,1] = 1007/78, nop[1,2,3,1,2,1,1,1] = 439/130, nop[1,2,3,2,1,1,1,1] = 10223/910, nop[1,2,4,1,1,1,1,1] = -2993/130, nop[1,3,1,1,1,1,1,3] = -631/78, nop[1,3,1,1,1,1,2,2] = -1489/78, nop[1,3,1,1,1,1,3,1] = 305/78, nop[1,3,1,1,1,2,1,2] = -631/78, nop[1,3,1,1,2,2,1,1] = -62/39, nop[1,3,1,1,1,3,1,1] = -89/26, nop[1,3,1,1,2,1,1,2] = -10574/273, nop[1,3,1,1,2,1,2,1] = -2293/273, nop[1,3,1,1,2,2,1,1] = -3100/91, nop[1,3,1,1,3,1,1,1] = 8861/273, nop[1,3,1,2,1,1,1,2] = -631/78, nop[1,3,1,2,1,1,2,1] = -62/39, nop[1,3,1,2,1,2,1,1] = -89/26, nop[1,3,1,2,2,1,1,1] = -62/39, nop[1,3,1,3,1,1,1,1] = -2293/273, nop[1,3,2,1,1,1,1,2] = -2291/130, nop[1,3,2,1,1,1,2,1] = -739/195, nop[1,3,2,1,1,2,1,1] = -839/78, nop[1,3,2,1,2,1,1,1] = -739/195, nop[1,3,2,2,1,1,1,1] = -24478/1365, nop[1,3,3,1,1,1,1,1] = 2693/195, nop[1,4,1,1,1,1,1,2] = 1367/26, nop[1,4,1,1,1,1,2,1] = 196/13, nop[1,4,1,1,1,2,1,1] = 2749/78, nop[1,4,1,1,2,1,1,1] = 196/13, nop[1,4,1,2,1,1,1,1] = 2087/91, nop[1,4,2,1,1,1,1,1] = 196/13, nop[1,5,1,1,1,1,1,1] = -7361/130, nop[2,1,1,1,1,1,1,1,4] = 39931/5460, nop[2,1,1,1,1,1,2,3] = 223/1365, nop[2,1,1,1,1,3,2] = 7897/546, nop[2,1,1,1,1,4,1] = -37237/5460, nop[2,1,1,1,1,2,1,3] = -31729/2730, nop[2,1,1,1,1,2,2,2] = -14284/273, nop[2,1,1,1,1,2,3,1] = 32871/1820, nop[2,1,1,1,1,3,1,2] = 111271/2730, nop[2,1,1,1,1,3,2,1] = 12217/910, nop[2,1,1,1,4,1,1] = -25637/1092, nop[2,1,1,1,2,1,1,3] = 223/1365, nop[2,1,1,1,2,1,2,2] = 7897/546, nop[2,1,1,1,2,1,3,1] = -37237/5460, nop[2,1,1,1,2,2,1,2] = 223/1365, nop[2,1,1,1,2,2,2,1] = 901/2730, nop[2,1,1,1,2,3,1,1] = 2963/1092, nop[2,1,1,1,3,1,1,2] = -31729/2730, nop[2,1,1,1,3,1,2,1] = -2083/910, nop[2,1,1,1,3,2,1,1] = -9907/1092, nop[2,1,1,1,4,1,1,1] = 12217/910, nop[2,1,1,2,1,1,1,3] = 30661/1820, nop[2,1,1,2,1,1,2,2] = 30957/364, nop[2,1,1,2,1,1,3,1] = -163363/5460, nop[2,1,1,2,1,2,1,2] = 30661/1820, nop[2,1,1,2,1,2,2,1] = 22823/5460, nop[2,1,1,2,1,3,1,1] = 5659/364, nop[2,1,1,2,2,1,1,2] = 28579/455, nop[2,1,1,2,2,1,2,1] = 78593/5460, nop[2,1,1,2,2,2,1,1] = 11195/182, nop[2,1,1,2,3,1,1,1] = -256027/5460, nop[2,1,1,3,1,1,1,2] = -33107/364, nop[2,1,1,3,1,1,2,1] = -29069/1092, nop[2,1,1,3,1,2,1,1] = -279479/5460, nop[2,1,1,3,2,1,1,1] = -29069/1092, nop[2,1,1,4,1,1,1,1] = 142981/1820, nop[2,1,2,1,1,1,1,3] = 223/1365, nop[2,1,2,1,1,1,2,2] = 7897/546, nop[2,1,2,1,1,3,1,1] = -37237/5460, nop[2,1,2,1,1,2,1,2] = 223/1365, nop[2,1,2,1,1,2,2,1] = 901/2730, nop[2,1,2,1,3,1,1,1] = 2963/1092, nop[2,1,2,1,2,1,1,2] = -31729/2730, nop[2,1,2,1,2,1,2,1] = -2083/910, nop[2,1,2,1,2,2,1,1] = -9907/1092, nop[2,1,2,1,3,1,1,1] = 12217/910, nop[2,1,2,2,1,1,1,2] = 223/1365, nop[2,1,2,2,1,1,2,1] = 901/2730, nop[2,1,2,2,1,1,3,1] = -2083/910, nop[2,1,3,1,1,1,1,2] = 30661/1820, nop[2,1,3,1,1,1,2,1] = 22823/5460, nop[2,1,3,1,1,2,1,1] = 5659/364, nop[2,1,3,1,2,1,1,1] = 22823/5460, nop[2,1,3,2,1,1,1,1] = 78593/5460, nop[2,1,4,1,1,1,1,1] = -29069/1092, nop[2,2,1,1,1,1,1,3] = -18673/5460, nop[2,2,1,1,1,1,2,2] = -131/1092, nop[2,2,1,1,1,3,1,1] = -3919/1820, nop[2,2,1,1,1,2,1,2] = -18673/5460, nop[2,2,1,1,1,2,2,1] = -229/455, nop[2,2,1,1,1,3,1,1] = 17/364, nop[2,2,1,1,2,1,1,2] = -32017/1365, nop[2,2,1,1,2,1,2,1] = -13529/2730, nop[2,2,1,1,2,2,1,1] = -1819/91, nop[2,2,1,1,3,1,1,1] = 59401/2730, nop[2,2,1,2,1,1,1,2] = -18673/5460, nop[2,2,1,2,1,1,2,1] = -229/455, nop[2,2,1,2,1,2,1,1] = 17/364, nop[2,2,1,2,2,1,1,1] = -229/455, nop[2,2,1,3,1,1,1,1] = -13529/2730, nop[2,2,2,1,1,1,1,2] = 2451/1820, nop[2,2,2,1,1,1,2,1] = 543/910, nop[2,2,2,1,1,2,1,1] = 4055/1092, nop[2,2,2,1,2,1,1,1] = 543/910, nop[2,2,2,2,1,1,1,1] = -86/455, nop[2,2,3,1,1,1,1,1] = -1493/182, nop[2,3,1,1,1,1,1,2] = 146947/5460, nop[2,3,1,1,1,1,2,1] = 10688/1365, nop[2,3,1,1,1,2,1,1] = 21163/1092, nop[2,3,1,1,2,1,1,1] = 10688/1365, nop[2,3,1,2,1,1,1,1] = 9747/910, nop[2,3,2,1,1,1,1,1] = 10688/1365, nop[2,4,1,1,1,1,1,1] = -140977/5460, nop[3,1,1,1,1,1,1,3] = -15298/1365, nop[3,1,1,1,1,1,2,2] = -63629/2730, nop[3,1,1,1,1,1,3,1] = 18251/5460, nop[3,1,1,1,2,1,1,2] = -15298/1365, nop[3,1,1,1,2,2,1,1] = -7391/2730, nop[3,1,1,1,3,1,1,1] = -25793/5460, nop[3,1,1,1,2,1,1,2] = -14483/390, nop[3,1,1,1,2,1,2,1] = -1101/130, nop[3,1,1,1,2,2,1,1] = -23909/780, nop[3,1,1,1,3,1,1,1] = 23753/910, nop[3,1,1,2,1,1,1,2] = -15298/1365, nop[3,1,1,2,1,1,2,1] = -7391/2730, nop[3,1,1,2,1,2,1,1] = -25793/5460, nop[3,1,1,2,2,1,1,1] = -7391/2730, nop[3,1,1,3,1,1,1,1] = -1101/130, nop[3,1,2,1,1,1,1,2] = -22153/5460, nop[3,1,2,1,1,1,2,1] = -5773/5460, nop[3,1,2,1,1,2,1,1] = 4237/5460, nop[3,1,2,1,2,1,1,1] = -5773/5460, nop[3,1,2,1,2,1,1,1] = -343/260, nop[3,1,3,1,1,1,1,1] = -15569/1092, nop[3,2,1,1,1,1,1,2] = -15298/1365, nop[3,2,1,1,1,1,2,1] = -7391/2730, nop[3,2,1,1,1,2,1,1] = -25793/5460, nop[3,2,1,1,2,1,1,1] = -7391/2730, nop[3,2,1,2,1,1,1,1] = -1101/130, nop[3,2,2,1,1,1,1,1] = -7391/2730, nop[3,3,1,1,1,1,1,1] = -5773/5460, nop[4,1,1,1,1,1,1,2] = 9782/273, nop[4,1,1,1,1,1,1,2,1] = 6733/546, nop[4,1,1,1,2,1,1,1] = 120383/5460, nop[4,1,1,2,1,1,1,1] = 6733/546, nop[4,1,2,1,1,1,1,1] = 5875/546, nop[4,1,2,1,1,1,1,1] = 6733/546, nop[4,2,1,1,1,1,1,1] = 64327/5460, nop[5,1,1,1,1,1,1,1] = -4857/182, nop[1,1,1,1,1,1,1,1,4] = -119/26, nop[1,1,1,1,1,1,1,2,3] = 12/13, nop[1,1,1,1,1,1,1,1,3,2] = -131/13, nop[1,1,1,1,1,1,1,1,4,1] = 141/26, nop[1,1,1,1,1,1,1,2,1,3] = 1371/91, nop[1,1,1,1,1,1,1,2,2,2] = 6376/91, nop[1,1,1,1,1,1,2,3,1] = -4447/182, nop[1,1,1,1,1,1,1,3,1,2] = -4349/91, nop[1,1,1,1,1,1,1,3,2,1] = -1437/91, nop[1,1,1,1,1,1,1,4,1,1] = 16117/546, nop[1,1,1,1,1,1,2,1,1,3] = 12/13, nop[1,1,1,1,1,1,2,1,2,2] = -131/13, nop[1,1,1,1,1,2,1,3,1] = 141/26, nop[1,1,1,1,1,2,2,1,2] = 12/13, nop[1,1,1,1,1,2,2,2,1] = -1/13, nop[1,1,1,1,1,2,3,1,1] = -149/78, nop[1,1,1,1,1,3,1,1,2] = 1371/91, nop[1,1,1,1,1,3,1,2,1] = 279/91, nop[1,1,1,1,1,3,2,1,1] = 6679/546, nop[1,1,1,1,1,4,1,1,1] = -1437/91, nop[1,1,1,1,1,2,1,1,1,3] = -1739/130, nop[1,1,1,1,1,2,1,1,2,2] = -1835/26, nop[1,1,1,1,2,1,1,3,1] = 3279/130, nop[1,1,1,1,2,1,2,1,2] = -1739/130, nop[1,1,1,1,2,1,2,2,1] = -439/130, nop[1,1,1,1,2,1,3,1,1] = -1007/78, nop[1,1,1,1,2,2,1,1,2] = -22174/455, nop[1,1,1,1,2,2,2,1,2] = -10223/910, nop[1,1,1,1,2,2,2,1,1] = -13177/273, nop[1,1,1,1,2,3,1,1,1] = 32677/910, nop[1,1,1,1,3,1,1,1,2] = 2993/130, nop[1,1,1,1,3,1,1,2,1] = 2993/130, nop[1,1,1,1,3,1,2,1,1] = 17273/390, nop[1,1,1,1,3,2,1,1,1] = 2993/130, nop[1,1,1,1,4,1,1,1,1] = -60273/910, nop[1,1,1,2,1,1,1,1,3] = 12/13, nop[1,1,1,2,1,1,1,2,2] = -131/13, nop[1,1,1,2,1,1,1,3,1] = 141/26, nop[1,1,1,2,1,1,2,1,2] = 12/13, nop[1,1,1,2,1,1,2,2,1] = -1/13, nop[1,1,1,2,1,1,3,1,1] = -149/78, nop[1,1,1,2,1,2,1,1,2] = 1371/91, nop[1,1,1,2,1,2,1,2,1] = 279/91, nop[1,1,1,2,1,2,2,1,1] = 6679/546, nop[1,1,1,1,2,1,3,1,1] = -1437/91, nop[1,1,1,2,2,1,1,1,2] = 12/13, nop[1,1,1,2,2,1,1,2,1] = -1/13, nop[1,1,1,2,2,1,2,1,1] = -\ 149/78, nop[1,1,1,2,2,2,1,1,1] = -1/13, nop[1,1,1,2,3,1,1,1,1] = 279/91, nop[1,1,1,3,1,1,1,1,2] = -1739/130, nop[1,1,1,3,1,1,1,2,1] = -439/130, nop[1,1,1,3,1,1,2,1,1] = -1007/78, nop[1,1,1,3,1,1,2,1,1] = -439/130, nop[1,1,1,3,2,1,1,1,1] = -10223/910, nop[1,1,1,4,1,1,1,1,1] = 2993/130, nop[1,1,2,1,1,1,1,1,3] = 631/78, nop[1,1,2,1,1,1,1,2,2] = 1489/78, nop[1,1,2,1,1,1,1,3,1] = -305/78, nop[1,1,2,1,1,1,2,1,2] = 631/78, nop[1,1,2,1,1,1,2,2,1] = 62/39, nop[1,1,2,1,1,1,3,1,1] = 89/26, nop[1,1,2,1,1,2,1,1,2] = 10574/273, nop[1,1,2,1,1,2,1,2,1] = 2293/273, nop[1,1,2,1,1,2,2,1,1] = 3100/91, nop[1,1,2,1,1,3,1,1,1] = -\ 8861/273, nop[1,1,2,1,2,1,1,1,2] = 631/78, nop[1,1,2,1,2,1,1,2,1] = 62/39, nop[1,1,2,1,2,1,2,1,1] = 89/26, nop[1,1,2,1,2,2,1,1,1] = 62/39, nop[1,1,2,1,3,1,1,1,1] = 2293/273, nop[1,1,2,2,1,1,1,1,2] = 2291/130, 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