

```
#####
#####
### File "c3_dipil_to_pil_in_re_basis";
#####
##### restart;
```

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

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

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

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

```
serop1:= [rop[1] = -1/2] : ##
```

```
serop2:= [rop[2] = 1/12, rop[1,1] = 1/4] : ##
```

```
serop3:= [rop[3] = 0, rop[1,2] = 0, rop[2,1] = -1/8, rop[1,1,1] = -1/8] : ##
```

```
serop4:= [rop[4] = -1/120, rop[1,3] = -1/24, rop[2,2] = 1/48, rop[3,1] = 1/24, rop[1,1,2] = -1/16, rop[1,2,1] = 1/8,
rop[2,1,1] = 1/16, rop[1,1,1,1] = 1/16] : ##
```

```
serop5:= [rop[5] = 0, rop[1,4] = 0, rop[2,3] = 1/24, rop[3,2] = -1/24, rop[4,1] = 1/48, rop[1,1,3] = 1/24,
rop[1,2,2] = -1/24, rop[1,3,1] = 1/48, rop[2,1,2] = 1/12, rop[2,2,1] = -3/32, rop[3,1,1] = -1/16,
rop[1,1,1,2] = 1/12, rop[1,1,2,1] = -3/32, rop[1,2,1,1] = -1/16, rop[2,1,1,1] = -1/32, rop[1,1,1,1,1] = -1/32] : ##
```

```
serop6:= [rop[6] = 1/252, rop[1,5] = 1/36, rop[2,4] = -1/36, rop[3,3] = 0, rop[4,2] = 5/288, rop[5,1] = -1/36, rop[1,1,4] = 1/18,
rop[1,2,3] = -5/72, rop[1,3,2] = 25/288, rop[1,4,1] = -1/9, rop[2,1,3] = -5/72, rop[2,2,2] = 5/576, rop[2,3,1] = 1/72,
rop[3,1,2] = -5/288, rop[3,2,1] = 1/18, rop[4,1,1] = 7/288, rop[1,1,1,3] = 0, rop[1,1,2,2] = 5/64, rop[1,1,3,1] = -1/8,
rop[1,2,1,2] = -5/32, rop[1,2,2,1] = 1/8, rop[1,3,1,1] = 3/32, rop[2,1,1,2] = -5/64, rop[2,1,2,1] = 1/16, rop[2,2,1,1] = 3/64,
rop[3,1,1,1] = 1/32, rop[1,1,1,1,2] = -5/64, rop[1,1,1,2,1] = 1/16, rop[1,1,2,1,1] = 3/64, rop[1,2,1,1,1] = 1/32,
rop[2,1,1,1,1] = 1/64, rop[1,1,1,1,1,1] = 1/64] : ##
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```
serop7:=
[rop[7] = 0, rop[1,6] = 0, rop[2,5] = -1/24, rop[3,4] = 5/72, rop[4,3] = -5/72, rop[5,2] = 1/24, rop[6,1] = -1/72, rop[1,1,5] = -1/24,
rop[1,2,4] = 5/72, rop[1,3,3] = -5/72, rop[1,4,2] = 1/24, rop[1,5,1] = -1/72, rop[2,1,4] = -1/9, rop[2,2,3] = 25/288,
rop[2,3,2] = -29/288, rop[2,4,1] = 5/36, rop[3,1,3] = 5/36, rop[3,2,2] = 1/72, rop[3,3,1] = -5/72, rop[4,1,2] = -1/9,
rop[4,2,1] = 5/576, rop[5,1,1] = 1/18, rop[1,1,1,4] = -1/9, rop[1,1,2,3] = 25/288, rop[1,1,3,2] = -29/288, rop[1,1,4,1] = 5/36,
rop[1,2,1,3] = 5/36, rop[1,2,2,2] = 1/72, rop[1,2,3,1] = -5/72, rop[1,3,1,2] = -1/9, rop[1,3,2,1] = 5/576, rop[1,4,1,1] = 1/18,
rop[2,1,1,3] = -5/96, rop[2,1,2,2] = -11/96, rop[2,1,3,1] = 5/24, rop[2,2,1,2] = 3/16, rop[2,2,2,1] = -15/128,
rop[2,3,1,1] = -3/32, rop[3,1,1,2] = 1/8, rop[3,1,2,1] = -5/64, rop[3,2,1,1] = -1/16, rop[4,1,1,1] = -3/64, rop[1,1,1,1,3] = -5/96,
rop[1,1,1,2,2] = -11/96, rop[1,1,1,3,1] = 5/24, rop[1,1,2,1,2] = 3/16, rop[1,1,2,2,1] = -15/128, rop[1,1,3,1,1] = -3/32,
rop[1,2,1,1,2] = 1/8, rop[1,2,1,2,1] = -5/64, rop[1,2,2,1,1] = -1/16, rop[1,3,1,1,1] = -3/64, rop[2,1,1,1,2] = 1/16,
rop[2,1,1,2,1] = -5/128, rop[2,1,2,1,1] = -1/32, rop[2,2,1,1,1] = -3/128, rop[3,1,1,1,1] = -1/64, rop[1,1,1,1,1,2] = 1/16,
rop[1,1,1,1,2,1] = -5/128, rop[1,1,1,2,1,1] = -1/32, rop[1,1,2,1,1,1] = -3/128, rop[1,2,1,1,1,1] = -1/64, rop[2,1,1,1,1,1] = -1/128,
rop[1,1,1,1,1,1,1] = -1/128] : ##
```

```
serop8:=
[rop[8] = -1/240, rop[1,7] = -3/80, rop[2,6] = 9/160, rop[3,5] = -91/2160, rop[4,4] = 7/2880, rop[5,3] = 91/2160, rop[6,2]
= -203/4320, rop[7,1] = 3/80, rop[1,1,6] = -3/32, rop[1,2,5] = 49/432, rop[1,3,4] = -343/1728, rop[1,4,3] = 35/144, rop[1,
5,2] = -175/864, rop[1,6,1] = 3/16, rop[2,1,5] = 133/864, rop[2,2,4] = -49/1152, rop[2,3,3] = 35/864, rop[2,4,2] = 35/1728
, rop[2,5,1] = -29/288, rop[3,1,4] = -77/1728, rop[3,2,3] = -35/432, rop[3,3,2] = 35/864, rop[3,4,1] = -5/144, rop[4,1,3]
= -35/1728, rop[4,2,2] = 35/3456, rop[4,3,1] = 95/1728, rop[5,1,2] = 77/864, rop[5,2,1] = -23/432, rop[6,1,1] = -19/288,
rop[1,1,1,5] = -35/864, rop[1,1,2,4] = -539/3456, rop[1,1,3,3] = 175/864, rop[1,1,4,2] = -385/1728, rop[1,1,5,1] = 83/288,
rop[1,2,1,4] = 539/1728, rop[1,2,2,3] = -35/216, rop[1,2,3,2] = 175/864, rop[1,2,4,1] = -5/18, rop[1,3,1,3] = -595/1728,
rop[1,3,2,2] = -245/3456, rop[1,3,3,1] = 125/576, rop[1,4,1,2] = 385/864, rop[1,4,2,1] = -1/6, rop[1,5,1,1] = -25/96, rop[
2,1,1,4] = 679/3456, rop[2,1,2,3] = -35/864, rop[2,1,3,2] = 245/1728, rop[2,1,4,1] = -25/96, rop[2,2,1,3] = -455/3456, rop
[2,2,2,2] = 35/6912, rop[2,2,3,1] = -5/384, rop[2,3,1,2] = 35/1728, rop[2,3,2,1] = 11/288, rop[2,4,1,1] = -5/576, rop[3,1,
```

1,3] = -35/576, rop[3,1,2,2] = 35/1152, rop[3,1,3,1] = -155/1728, rop[3,2,1,2] = -35/288, rop[3,2,2,1] = 23/216, rop[3,3,1,1] = 65/864, rop[4,1,1,2] = -35/1152, rop[4,1,2,1] = 103/1728, rop[4,2,1,1] = 125/3456, rop[5,1,1,1] = 11/864, rop[1,1,1,1,4] = 133/1152, rop[1,1,1,2,3] = -35/288, rop[1,1,1,3,2] = 35/576, rop[1,1,1,4,1] = -5/288, rop[1,1,2,1,3] = -245/1152, rop[1,1,2,2,2] = -175/2304, rop[1,1,2,3,1] = 265/1152, rop[1,1,3,1,2] = 245/576, rop[1,1,3,2,1] = -59/288, rop[1,1,4,1,1] = -145/576, rop[1,2,1,1,3] = 35/192, rop[1,2,1,2,2] = 35/128, rop[1,2,1,3,1] = -95/192, rop[1,2,2,1,2] = -35/96, rop[1,2,2,2,1] = 3/16, rop[1,2,3,1,1] = 5/32, rop[1,3,1,1,2] = -35/128, rop[1,3,1,2,1] = 9/64, rop[1,3,2,1,1] = 15/128, rop[1,4,1,1,1] = 3/32, rop[2,1,1,1,3] = 35/384, rop[2,1,1,2,2] = 35/256, rop[2,1,1,3,1] = -95/384, rop[2,1,2,1,2] = -35/192, rop[2,1,2,2,1] = 3/32, rop[2,1,3,1,1] = 5/64, rop[2,2,1,1,2] = -35/256, rop[2,2,1,2,1] = 9/128, rop[2,2,2,1,1] = 15/256, rop[2,3,1,1,1] = 3/64, rop[3,1,1,1,2] = -35/384, rop[3,1,1,2,1] = 3/64, rop[3,1,2,1,1] = 5/128, rop[3,2,1,1,1] = 1/32, rop[4,1,1,1,1] = 3/128, rop[1,1,1,1,3] = 35/384, rop[1,1,1,1,2,2] = 35/256, rop[1,1,1,1,3,1] = -95/384, rop[1,1,1,2,1,2] = -35/192, rop[1,1,1,2,2,1] = 3/32, rop[1,1,1,3,1,1] = 5/64, rop[1,1,1,2,1,1,2] = -35/256, rop[1,1,2,1,2,1] = 9/128, rop[1,1,2,2,1,1] = 15/256, rop[1,1,3,1,1,1] = 3/64, rop[1,2,1,1,1,2] = -35/384, rop[1,2,1,1,2,1] = 3/64, rop[1,2,1,2,1,1] = 5/128, rop[1,2,2,1,1,1] = 1/32, rop[1,3,1,1,1,1] = 3/128, rop[2,1,1,1,1,2] = -35/768, rop[2,1,1,1,2,1] = 3/128, rop[2,1,1,2,1,1] = 5/256, rop[2,1,2,1,1,1] = 1/64, rop[2,2,1,1,1,1] = 3/256, rop[3,1,1,1,1,1] = 1/128, rop[1,1,1,1,1,1,2] = -35/768, rop[1,1,1,1,1,1,1,2] = 3/128, rop[1,1,1,1,2,1,1,1] = 5/256, rop[1,1,1,2,1,1,1,1] = 1/64, rop[1,1,2,1,1,1,1,1] = 3/256, rop[1,2,1,1,1,1,1,1] = 1/128, rop[2,1,1,1,1,1,1,1] = 1/256, rop[1,1,1,1,1,1,1,1] = 1/256] : ##

serop9:=

[rop[9] = 0, rop[1,8] = 0, rop[2,7] = 3/40, rop[3,6] = -7/40, rop[4,5] = 21/80, rop[5,4] = -21/80, rop[6,3] = 7/40, rop[7,2] = -3/40, rop[8,1] = 3/160, rop[1,1,7] = 3/40, rop[1,2,6] = -7/40, rop[1,3,5] = 21/80, rop[1,4,4] = -21/80, rop[1,5,3] = 7/40, rop[1,6,2] = -3/40, rop[1,7,1] = 3/160, rop[2,1,6] = 1/4, rop[2,2,5] = -7/32, rop[2,3,4] = 77/240, rop[2,4,3] = -35/96, rop[2,5,2] = 5/16, rop[2,6,1] = -21/64, rop[3,1,5] = -7/16, rop[3,2,4] = 7/160, rop[3,3,3] = 0, rop[3,4,2] = -5/32, rop[3,5,1] = 35/96, rop[4,1,4] = 21/40, rop[4,2,3] = 0, rop[4,3,2] = 5/32, rop[4,4,1] = -35/128, rop[5,1,3] = -7/16, rop[5,2,2] = -7/32, rop[5,3,1] = 7/96, rop[6,1,2] = 1/4, rop[6,2,1] = 7/192, rop[7,1,1] = -3/32, rop[1,1,1,6] = 1/4, rop[1,1,1,2,5] = -7/16, rop[1,1,3,4] = 77/240, rop[1,1,4,3] = -35/96, rop[1,1,5,2] = 5/16, rop[1,1,6,1] = -21/64, rop[1,2,1,5] = -7/16, rop[1,2,2,4] = 7/160, rop[1,2,3,3] = 0, rop[1,2,4,2] = -5/32, rop[1,2,5,1] = 35/96, rop[1,3,1,4] = 21/40, rop[1,3,2,3] = 0, rop[1,3,3,2] = 5/32, rop[1,3,4,1] = -35/128, rop[1,4,1,3] = -7/16, rop[1,4,2,2] = -3/32, rop[1,4,3,1] = 7/96, rop[1,5,1,2] = 1/4, rop[1,5,2,1] = 7/192, rop[1,6,1,1] = -3/32, rop[2,1,1,5] = 7/32, rop[2,1,2,4] = 133/480, rop[2,1,3,3] = -35/96, rop[2,1,4,2] = 15/32, rop[2,1,5,1] = -133/192, rop[2,2,1,4] = -259/480, rop[2,2,2,3] = 35/192, rop[2,2,3,2] = -55/192, rop[2,2,4,1] = 105/256, rop[2,3,1,3] = 49/96, rop[2,3,2,2] = 13/96, rop[2,3,3,1] = -21/64, rop[2,4,1,2] = -65/96, rop[2,4,2,1] = 35/128, rop[2,5,1,1] = 25/64, rop[3,1,1,4] = -77/160, rop[3,1,2,3] = 0, rop[3,1,3,2] = -5/16, rop[3,1,4,1] = 245/384, rop[3,2,1,3] = 7/32, rop[3,2,2,2] = -1/32, rop[3,2,3,1] = 7/48, rop[3,3,1,2] = 5/32, rop[3,3,2,1] = -35/192, rop[3,4,1,1] = -5/48, rop[4,1,1,3] = 7/16, rop[4,1,2,2] = 1/4, rop[4,1,3,1] = -133/384, rop[4,2,1,2] = -5/32, rop[4,2,2,1] = -35/768, rop[4,3,1,1] = 5/384, rop[5,1,1,2] = -11/32, rop[5,1,2,1] = 7/192, rop[5,2,1,1] = 1/12, rop[6,1,1,1] = 25/192, rop[1,1,1,1,5] = 7/32, rop[1,1,1,2,4] = 133/480, rop[1,1,1,3,3] = -35/96, rop[1,1,1,4,2] = 15/32, rop[1,1,1,5,1] = -133/192, rop[1,1,2,1,4] = -259/480, rop[1,1,2,2,3] = 35/192, rop[1,1,3,1,3] = 49/96, rop[1,1,3,2,2] = 13/96, rop[1,1,3,3,1] = -21/64, rop[1,1,4,1,2] = -65/96, rop[1,1,4,2,1] = 35/128, rop[1,1,5,1,1] = 25/64, rop[1,2,1,1,4] = -77/160, rop[1,2,1,2,3] = 0, rop[1,2,1,3,2] = -5/16, rop[1,2,1,4,1] = 245/384, rop[1,2,2,1,3] = 7/32, rop[1,2,2,2,2] = -1/32, rop[1,2,2,3,1] = 7/48, rop[1,2,3,1,2] = 5/32, rop[1,2,3,2,1] = -35/192, rop[1,2,4,1,1] = -5/48, rop[1,3,1,1,3] = 7/16, rop[1,3,1,2,2] = 1/4, rop[1,3,1,3,1] = -133/384, rop[1,3,2,1,2] = -5/32, rop[1,3,2,2,1] = -35/768, rop[1,3,3,1,1] = 5/384, rop[1,4,1,1,2] = -11/32, rop[1,4,1,2,1] = 7/192, rop[1,4,2,1,1] = 1/12, rop[1,5,1,1,1] = 25/192, rop[2,1,1,1,4] = -7/120, rop[2,1,1,2,3] = 35/192, rop[2,1,1,3,2] = 5/192, rop[2,1,1,4,1] = -175/768, rop[2,1,2,1,3] = 7/24, rop[2,1,2,2,2] = 1/6, rop[2,1,2,3,1] = -91/192, rop[2,1,3,1,2] = -5/6, rop[2,1,3,2,1] = 175/384, rop[2,1,4,1,1] = 95/192, rop[2,2,1,1,3] = -21/64, rop[2,2,1,2,2] = -27/64, rop[2,2,1,3,1] = 189/256, rop[2,2,2,1,2] = 15/32, rop[2,2,2,2,1] = -105/512, rop[2,2,3,1,1] = -45/256, rop[2,3,1,1,2] = 3/8, rop[2,3,1,2,1] = -21/128, rop[2,3,2,1,1] = -9/64, rop[2,4,1,1,1] = -15/128, rop[3,1,1,1,3] = -7/32, rop[3,1,1,2,2] = -9/32, rop[3,1,1,3,1] = 63/128, rop[3,1,2,1,2] = 5/16, rop[3,1,2,2,1] = -35/256, rop[3,1,3,1,1] = -15/128, rop[3,2,1,1,2] = 1/4, rop[3,2,2,1,1] = -3/32, rop[3,3,1,1,1] = -5/64, rop[4,1,1,1,2] = 3/16, rop[4,1,1,2,1] = -21/256, rop[4,1,2,1,1] = -9/128, rop[4,2,1,1,1] = -15/256, rop[5,1,1,1,1] = -3/64, rop[1,1,1,1,1,4] = -7/120, rop[1,1,1,1,2,3] = 35/192, rop[1,1,1,1,3,2] = 5/192, rop[1,1,1,1,4,1] = -175/768, rop[1,1,1,1,2,1,3] = 7/24, rop[1,1,1,2,2,2] = 1/6, rop[1,1,1,2,3,1] = -91/192, rop[1,1,1,3,1,2] = -5/6, rop[1,1,1,3,2,1] = 175/384, rop[1,1,1,4,1,1] = 95/192, rop[1,1,2,2,1,1] = -21/64, rop[1,1,2,2,2,1] = -105/512, rop[1,1,2,3,1,1] = -45/256, rop[1,1,3,1,1,2] = 3/8, rop[1,1,3,1,2,1] = -21/128, rop[1,1,3,2,1,1] = -9/64, rop[1,1,4,1,1,1] = -15/128, rop[1,2,1,1,1,3] = -7/32, rop[1,2,1,1,2,2] = -9/32, rop[1,2,1,1,3,1] = 63/128, rop[1,2,1,2,1,2] = 5/16, rop[1,2,1,2,2,1] = -35/256, rop[1,2,1,3,1,1] = -15/128, rop[1,2,2,1,1,2] = 1/4, rop[1,2,2,1,2,1] = -7/64, rop[1,2,3,1,1,1] = -3/32, rop[1,3,1,1,1,2] = 3/16, rop[1,3,1,1,2,1] = -21/256, rop[1,3,1,2,1,1] = -9/128, rop[1,3,2,1,1,1] = -15/256, rop[1,4,1,1,1,1] = -3/64, rop[2,1,1,1,1,3] = -7/64, rop[2,1,1,1,2,2] = -9/64, rop[2,1,1,1,3,1] = 63/256, rop[2,1,1,1,2,1,1] = 1/8, rop[2,1,2,1,2,1] = -7/128, rop[2,1,2,2,1,1] = -3/64, rop[2,1,3,1,1,1] = -5/128, rop[2,2,1,1,1,2] = 3/32, rop[2,2,1,1,1,1,2] = -9/256, rop[2,2,2,1,1,1] = -15/512, rop[2,2,2,1,1,1,1] = -3/128, rop[3,1,1,1,1,2] = 1/16, rop[3,1,1,1,2,1] = -7/256, rop[3,1,1,2,1,1] = -3/128, rop[3,1,2,1,1,1] = -5/256, rop[3,2,1,1,1,1] = -1/64, rop[4,1,1,1,1,1] = -3/256, rop[1,1,1,1,1,3] = -7/64, rop[1,1,1,1,1,2,2] = -9/64, rop[1,1,1,1,1,3,1] = 63/256, rop[1,1,1,1,2,1,2] = 5/32, rop[1,1,1,1,2,2,1] = -35/512, rop[1,1,1,1,3,1,1] = -15/256, rop[1,1,1,1,2,1,1,2] = 1/8, rop[1,1,1,1,2,1,2,1] = -7/128, rop[1,1,1,2,2,1,1] = -3/64, rop[1,1,1,3,1,1,1] = -5/128, rop[1,1,2,1,1,1,2] = 3/32, rop[1,1,2,1,1,2,1] = -21/512, rop[1,1,2,1,2,1,1] = -9/256, rop[1,1,2,2,1,1,1] = -15/512, rop[1,1,3,1,1,1,1] = -3/128, rop[1,2,1,1,1,1,2] = 1/16, rop[1,2,1,1,1,2,1] = -7/256, rop[1,2,1,1,2,1,1] = -3/128, rop[1,2,1,2,1,1,1] = -5/256, rop[1,2,2,1,1,1,1] = -1/64, rop[1,1,1,1,1,1,1] = -3/256, rop[2,1,1,1,1,1,1,2] = 1/32, rop[2,1,1,1,1,1,2,1] = -7/512, rop[2,1,1,1,2,1,1,1] = -3/256, rop[2,1,1,2,1,1,1,1] = -5/512, rop[2,1,2,1,1,1,1,1] = -1/128, rop[2,2,1,1,1,1,1,1] = -3/512, rop[3,1,1,1,1,1,1,1] = -1/256, rop[1,1,1,1,1,1,1,2] = 1/32, rop[1,1,1,1,1,1,2,1] = -7/512, rop[1,1,1,1,2,1,1,1] = -5/512, rop[1,1,1,2,1,1,1,1] = -1/128, rop[1,1,2,1,1,1,1,1] = -3/512, rop[1,2,1,1,1,1,1,1] = -1/256, rop[2,1,1,1,1,1,1,1] = -1/512, rop[1,1,1,1,1,1,1,1,1] = -1/512] : ##

serop10:=

[rop[10] = 1/132, rop[1,9] = 1/12, rop[2,8] = -1/6, rop[3,7] = 2/9, rop[4,6] = -17/96, rop[5,5] = 0, rop[6,4] = 49/288, rop[7,3] = -2/9, rop[8,2] = 29/192, rop[9,1] = -1/12, rop[1,1,8] = 1/4, rop[1,2,7] = -23/72, rop[1,3,6] = 193/288, rop[1,4,5] = -49/48, rop[1,5,4] = 343/288, rop[1,6,3] = -77/72, rop[1,7,2] = 133/192, rop[1,8,1] = -1/2, rop[2,1,7] = -37/72, rop[2,2,6] = 43/192, rop[2,3,5] = -7/24, rop[2,4,4] = 49/576, rop[2,5,3] = 7/72, rop[2,6,2] = -91/384, rop[2,7,1] = 11/24, rop[3,1,6] = 115/288, rop[3,2,5] = 7/36, rop[3,3,4] = -35/288, rop[3,4,3] = 35/144, rop[3,5,2] = -35/576, rop[3,6,1] = -7/36, rop[4,1,5] = -7/32, rop[4,2,4] = -35/288, rop[4,3,3] = -35/288, rop[4,4,2] = 35/768, rop[4,5,1] = -7/96, rop[5,1,4] =

,2,1] = 9/64, rop[1,1,2,1,3,1,1] = 63/512, rop[1,1,2,2,1,1,2] = -315/1024, rop[1,1,2,2,1,2,1] = 15/128, rop[1,1,2,2,2,1,1] = 105/1024, rop[1,1,2,3,1,1,1] = 45/512, rop[1,1,3,1,1,1,2] = -63/256, rop[1,1,3,1,1,2,1] = 3/32, rop[1,1,3,1,2,1,1] = 21/256, rop[1,1,3,2,1,1,1] = 9/128, rop[1,1,4,1,1,1,1] = 15/256, rop[1,2,1,1,1,1,3] = 7/32, rop[1,2,1,1,2,2] = 133/512, rop[1,2,1,1,3,1,1] = -7/16, rop[1,2,1,1,2,1,2] = -63/256, rop[1,2,1,1,2,2,1] = 3/32, rop[1,2,1,1,3,1,1] = 21/256, rop[1,2,1,2,1,1,2] = -105/512, rop[1,2,1,2,1,2,1] = 5/64, rop[1,2,1,2,2,1,1] = 35/512, rop[1,2,1,3,1,1,1] = 15/256, rop[1,2,2,1,1,1,2] = -21/128, rop[1,2,2,1,1,2,1] = 1/16, rop[1,2,2,1,2,1,1] = 7/128, rop[1,2,2,2,1,1,1] = 3/64, rop[1,2,3,1,1,1,1] = 5/128, rop[1,3,1,1,1,1,2] = -63/512, rop[1,3,1,1,1,2,1] = 3/64, rop[1,3,1,1,2,1,1] = 21/512, rop[1,3,1,2,1,1,1] = 9/256, rop[1,3,2,1,1,1,1] = 15/512, rop[1,4,1,1,1,1,1] = 3/128, rop[2,1,1,1,1,1,3] = 7/64, rop[2,1,1,1,1,2,2] = 133/1024, rop[2,1,1,1,1,3,1] = -7/32, rop[2,1,1,1,2,1,2] = -63/512, rop[2,1,1,1,2,2,1] = 3/64, rop[2,1,1,1,3,1,1] = 21/512, rop[2,1,1,2,1,1,2] = -105/1024, rop[2,1,1,2,1,2,1] = 5/128, rop[2,1,1,2,2,1,1] = 35/1024, rop[2,1,1,3,1,1,1] = 15/512, rop[2,1,2,1,1,1,2] = -21/256, rop[2,1,2,1,1,2,1] = 1/32, rop[2,1,2,1,2,1,1] = 7/256, rop[2,1,2,2,1,1,1] = 3/128, rop[2,1,3,1,1,1,1] = 5/256, rop[2,2,1,1,1,1,2] = -63/1024, rop[2,2,1,1,1,2,1] = 3/128, rop[2,2,1,1,2,1,1] = 21/1024, rop[2,2,1,2,1,1,1] = 9/512, rop[2,2,2,1,1,1,1] = 15/1024, rop[2,3,1,1,1,1,1] = 3/256, rop[3,1,1,1,1,1,2] = -21/512, rop[3,1,1,1,2,1,1] = 1/64, rop[3,1,1,2,1,1,1] = 7/512, rop[3,1,1,2,1,1,1] = 3/256, rop[3,1,2,1,1,1,1] = 5/512, rop[3,2,1,1,1,1,1] = 1/128, rop[4,1,1,1,1,1,1] = 3/512, rop[1,1,1,1,1,1,1,3] = 7/64, rop[1,1,1,1,1,1,2,2] = 133/1024, rop[1,1,1,1,1,1,3,1] = -7/32, rop[1,1,1,1,1,2,1,2] = -63/512, rop[1,1,1,1,1,2,2,1] = 3/64, rop[1,1,1,1,1,3,1,1] = 21/512, rop[1,1,1,1,2,1,1,2] = -105/1024, rop[1,1,1,1,2,1,2,1] = 5/128, rop[1,1,1,1,2,2,1,1] = 35/1024, rop[1,1,1,1,3,1,1,1] = 15/512, rop[1,1,1,2,1,1,1,2] = -21/256, rop[1,1,1,2,1,1,2,1] = 1/32, rop[1,1,1,2,1,2,1,1] = 7/256, rop[1,1,1,2,2,1,1,1] = 3/128, rop[1,1,1,3,1,1,1,1] = 5/256, rop[1,1,2,1,1,1,1,2] = -63/1024, rop[1,1,2,1,1,1,2,1] = 3/128, rop[1,1,2,1,1,2,1,1] = 21/1024, rop[1,1,2,1,2,1,1,1] = 9/512, rop[1,1,2,2,1,1,1,1] = 15/1024, rop[1,1,3,1,1,1,1,1] = 3/256, rop[1,2,1,1,1,1,1,2] = -21/512, rop[1,2,1,1,1,1,2,1] = 1/64, rop[1,2,1,1,1,2,1,1] = 7/512, rop[1,2,1,1,2,1,1,1] = 3/256, rop[1,2,1,2,1,1,1,1] = 5/512, rop[1,2,2,1,1,1,1,1] = 1/128, rop[1,3,1,1,1,1,1,1] = 3/512, rop[2,1,1,1,1,1,1,2] = -21/1024, rop[2,1,1,1,1,1,2,1] = 1/128, rop[2,1,1,1,1,2,1,1] = 7/1024, rop[2,1,1,1,2,1,1,1] = 3/512, rop[2,1,1,2,1,1,1,1] = 5/1024, rop[2,1,2,1,1,1,1,1] = 1/256, rop[2,2,1,1,1,1,1,1] = 3/1024, rop[3,1,1,1,1,1,1,1] = 1/512, rop[1,1,1,1,1,1,1,1,2] = -21/1024, rop[1,1,1,1,1,1,1,2,1] = 1/128, rop[1,1,1,1,1,1,1,2,1,1] = 7/1024, rop[1,1,1,1,1,2,1,1,1] = 3/512, rop[1,1,1,2,1,1,1,1,1] = 5/1024, rop[1,1,1,2,1,1,1,1,1] = 1/256, rop[1,1,2,1,1,1,1,1,1] = 3/1024, rop[1,2,1,1,1,1,1,1,1] = 1/512, rop[2,1,1,1,1,1,1,1,1] = 1/1024, rop[1,1,1,1,1,1,1,1,1,1] = 1/1024 : ##

serop11:=

[rop[11] = 0, rop[1,10] = 0, rop[2,9] = -5/24, rop[3,8] = 5/8, rop[4,7] = -5/4, rop[5,6] = 7/4, rop[6,5] = -7/4, rop[7,4] = 5/4, rop[8,3] = -5/8, rop[9,2] = 5/24, rop[10,1] = -1/24, rop[1,1,9] = -5/24, rop[1,2,8] = 5/8, rop[1,3,7] = -5/4, rop[1,4,6] = 7/4, rop[1,5,5] = -7/4, rop[1,6,4] = 5/4, rop[1,7,3] = -5/8, rop[1,8,2] = 5/24, rop[1,9,1] = -1/24, rop[2,1,8] = -5/6, rop[2,2,7] = 83/96, rop[2,3,6] = -419/288, rop[2,4,5] = 371/192, rop[2,5,4] = -419/192, rop[2,6,3] = 581/288, rop[2,7,2] = -133/96, rop[2,8,1] = 9/8, rop[3,1,7] = 15/8, rop[3,2,6] = -9/16, rop[3,3,5] = 35/72, rop[3,4,4] = 5/12, rop[3,5,3] = -35/36, rop[3,6,2] = 175/144, rop[3,7,1] = -133/72, rop[4,1,6] = -3, rop[4,2,5] = 35/96, rop[4,3,4] = -295/288, rop[4,4,3] = 175/288, rop[4,5,2] = -35/32, rop[4,6,1] = 427/192, rop[5,1,5] = 7/2, rop[5,2,4] = 1/4, rop[5,3,3] = 35/72, rop[5,4,2] = 35/48, rop[5,5,1] = -7/4, rop[6,1,4] = -3, rop[6,2,3] = -35/72, rop[6,3,2] = -35/48, rop[6,4,1] = 469/576, rop[7,1,3] = 15/8, rop[7,2,2] = 25/48, rop[7,3,1] = -1/36, rop[8,1,2] = -5/6, rop[8,2,1] = -79/384, rop[9,1,1] = 1/4, rop[1,1,1,8] = -5/6, rop[1,1,2,7] = 83/96, rop[1,1,3,6] = -419/288, rop[1,1,4,5] = 371/192, rop[1,1,5,4] = -419/192, rop[1,1,6,3] = 581/288, rop[1,1,7,2] = -133/96, rop[1,1,8,1] = 9/8, rop[1,2,1,7] = 15/8, rop[1,2,2,6] = -9/16, rop[1,2,3,5] = 35/72, rop[1,2,4,4] = 5/12, rop[1,2,5,3] = -35/36, rop[1,2,6,2] = 175/144, rop[1,2,7,1] = -133/72, rop[1,3,1,6] = -3, rop[1,3,2,5] = 35/96, rop[1,3,3,4] = -295/288, rop[1,3,4,3] = 175/288, rop[1,3,5,2] = -35/32, rop[1,3,6,1] = 427/192, rop[1,4,1,5] = 7/2, rop[1,4,2,4] = 1/4, rop[1,4,3,3] = 35/72, rop[1,4,4,2] = 35/48, rop[1,4,5,1] = -7/4, rop[1,5,1,4] = -3, rop[1,5,2,3] = -35/72, rop[1,5,3,2] = -35/48, rop[1,5,4,1] = 469/576, rop[1,6,1,3] = 15/8, rop[1,6,2,2] = 25/48, rop[1,6,3,1] = -1/36, rop[1,7,1,2] = -5/6, rop[1,7,2,1] = -79/384, rop[1,8,1,1] = 1/4, rop[2,1,1,7] = -97/96, rop[2,1,2,6] = -257/288, rop[2,1,3,5] = 833/576, rop[2,1,4,4] = -499/192, rop[2,1,5,3] = 287/96, rop[2,1,6,2] = -749/288, rop[2,1,7,1] = 107/36, rop[2,2,1,6] = 167/72, rop[2,2,2,5] = -105/128, rop[2,2,3,4] = 215/144, rop[2,2,4,3] = -175/128, rop[2,2,5,2] = 35/24, rop[2,2,6,1] = -805/384, rop[2,3,1,5] = -1687/576, rop[2,3,2,4] = -241/1152, rop[2,3,3,3] = 35/144, rop[2,3,4,2] = -1505/1152, rop[2,3,5,1] = 749/288, rop[2,4,1,4] = 395/96, rop[2,4,2,3] = -665/1152, rop[2,4,3,2] = 105/64, rop[2,4,4,1] = -2765/1152, rop[2,5,1,3] = -2155/576, rop[2,5,2,2] = -95/128, rop[2,5,3,1] = 685/576, rop[2,6,1,2] = 245/72, rop[2,6,2,1] = -1645/2304, rop[2,7,1,1] = -175/96, rop[3,1,1,6] = 39/16, rop[3,1,2,5] = 35/288, rop[3,1,3,4] = 415/288, rop[3,1,4,3] = -455/288, rop[3,1,5,2] = 665/288, rop[3,1,6,1] = -2345/576, rop[3,2,1,5] = -217/144, rop[3,2,2,4] = 1/12, rop[3,2,3,3] = -35/48, rop[3,2,4,2] = 35/144, rop[3,2,5,1] = -7/144, rop[3,3,1,4] = 5/72, rop[3,3,2,3] = 35/48, rop[3,3,3,2] = -35/144, rop[3,3,4,1] = 35/192, rop[3,4,1,3] = 5/8, rop[3,4,2,2] = 25/144, rop[3,4,3,1] = -95/96, rop[3,5,1,2] = -35/16, rop[3,5,2,1] = 1505/1152, rop[3,6,1,1] = 35/24, rop[4,1,1,5] = -301/96, rop[4,1,2,4] = -367/288, rop[4,1,3,3] = 35/288, rop[4,1,4,2] = -175/96, rop[4,1,5,1] = 763/192, rop[4,2,1,4] = 25/18, rop[4,2,2,3] = 245/1152, rop[4,2,3,2] = 175/1152, rop[4,2,4,1] = 175/576, rop[4,3,1,3] = -125/144, rop[4,3,2,2] = -155/288, rop[4,3,3,1] = 535/576, rop[4,4,1,2] = 245/144, rop[4,4,2,1] = -3955/4608, rop[4,5,1,1] = -175/192, rop[5,1,1,4] = 13/4, rop[5,1,2,3] = 35/36, rop[5,1,3,2] = 35/24, rop[5,1,4,1] = -1477/576, rop[5,2,1,3] = -25/36, rop[5,2,2,2] = 5/48, rop[5,2,3,1] = -31/36, rop[5,3,1,2] = -35/144, rop[5,3,2,1] = 287/1152, rop[5,4,1,1] = 7/96, rop[6,1,1,3] = -85/36, rop[6,1,2,2] = -5/4, rop[6,1,3,1] = 485/576, rop[6,2,1,2] = 35/144, rop[6,2,2,1] = 245/768, rop[6,3,1,1] = 35/576, rop[7,1,1,2] = 65/48, rop[7,1,2,1] = 205/1152, rop[7,2,1,1] = -5/36, rop[8,1,1,1] = -175/384, rop[1,1,1,1,7] = -97/96, rop[1,1,1,2,6] = -257/288, rop[1,1,1,3,5] = 833/576, rop[1,1,1,4,4] = -499/192, rop[1,1,1,5,3] = 287/96, rop[1,1,1,6,2] = -749/288, rop[1,1,1,7,1] = 107/36, rop[1,1,2,1,6] = 167/72, rop[1,1,2,2,5] = -105/128, rop[1,1,2,3,4] = 215/144, rop[1,1,2,4,3] = -175/128, rop[1,1,2,5,2] = 35/24, rop[1,1,2,6,1] = -805/384, rop[1,1,3,1,5] = -1687/576, rop[1,1,3,2,4] = -241/1152, rop[1,1,3,3,3] = 35/144, rop[1,1,3,4,2] = -1505/1152, rop[1,1,3,5,1] = 749/288, rop[1,1,4,1,4] = 395/96, rop[1,1,4,2,3] = -665/1152, rop[1,1,4,3,2] = 105/64, rop[1,1,4,4,1] = -2765/1152, rop[1,1,5,1,3] = -2155/576, rop[1,1,5,2,2] = -95/128, rop[1,1,5,3,1] = 685/576, rop[1,1,6,1,2] = 245/72, rop[1,1,6,2,1] = -1645/2304, rop[1,1,7,1,1] = -175/96, rop[1,2,1,1,6] = 39/16, rop[1,2,1,2,5] = 35/288, rop[1,2,1,3,4] = 415/288, rop[1,2,1,4,3] = -455/288, rop[1,2,1,5,2] = 665/288, rop[1,2,1,6,1] = -2345/576, rop[1,2,2,1,5] = -217/144, rop[1,2,2,2,4] = 1/12, rop[1,2,2,3,3] = -35/48, rop[1,2,2,4,2] = 35/144, rop[1,2,2,5,1] = -7/144, rop[1,2,2,3,1,4] = 5/72, rop[1,2,2,3,2,3] = 35/48, rop[1,2,2,3,3,2] = -35/144, rop[1,2,3,4,1] = 35/192, rop[1,2,4,1,3] = 5/8, rop[1,2,4,2,2] = 25/144, rop[1,2,4,3,1] = -95/96, rop[1,2,5,1,2] = -35/16, rop[1,2,5,2,1] = 1505/1152, rop[1,2,6,1,1] = 35/24, rop[1,3,1,1,5] = -301/96, rop[1,3,1,2,4] = -367/288, rop[1,3,1,3,3] = 35/288, rop[1,3,1,4,2] = -175/96, rop[1,3,1,5,1] = 763/192, rop[1,3,2,1,4] = 25/18, rop[1,3,2,2,3] = 245/1152, rop[1,3,2,3,2] = 175/1152, rop[1,3,2,4,1] = 175/576, rop[1,3,3,2,1] = 35/24, rop[1,3,3,1,3] = -125/144, rop[1,3,3,2,2] = -155/288, rop[1,3,3,3,1] = 535/576, rop[1,3,4,1,2] = 245/144, rop[1,4,1,1,4] = 13/4, rop[1,4,1,2,3] = 35/36, rop[1,4,1,3,2] = 35/24, rop[1,4,1,4,1] = -1477/576, rop[1,4,2,1,3] = -25/36, rop[1,4,2,2,2] = 5/48, rop[1,4,2,3,1] = -31/36, rop[1,4,3,1,2] = -35/144, rop[1,4,3,2,1] = 287/1152, rop[1,4,4,1,1] = 7/96, rop[1,5,1,1,3] = -85/36, rop[1,5,1,2,2] = -5/4, rop[1,5,1,3,1] = 485/576, rop[1,5,2,1,2] = 35/576, rop[1,6,1,1,2] = 65/48, rop[1,6,1,2,1] = 205/1152, rop[1,6,2,1,1] = -5/36, rop[1,7,1,1,1] = -175/384, rop[2,1,1,1,6] = -17/144, rop[2,1,1,2,5] = -1085/1152, rop[2,1,1,3,4] = 5/96, rop[2,1,1,4,3] = 245/1152, rop[2,1,1,5,2] = -245/288, rop[2,1,1,6,1] = 2275/1152,

rop[2,1,2,1,5] = -91/64, rop[2,1,2,2,4] = -337/1152, rop[2,1,2,3,3] = 35/36, rop[2,1,2,4,2] = -595/384, rop[2,1,2,5,1] = 763/288, rop[2,1,3,1,4] = 1165/288, rop[2,1,3,2,3] = -1505/1152, rop[2,1,3,3,2] = 1085/576, rop[2,1,3,4,1] = -2975/1152, rop[2,1,4,1,3] = -2515/576, rop[2,1,4,2,2] = -1055/1152, rop[2,1,4,3,1] = 1255/576, rop[2,1,5,1,2] = 805/144, rop[2,1,5,2,1] = -4655/2304, rop[2,1,6,1,1] = -105/32, rop[2,2,1,1,5] = 2429/1152, rop[2,2,1,2,4] = 1961/1152, rop[2,2,1,3,3] = -1855/1152, rop[2,2,1,4,2] = 3185/1152, rop[2,2,1,5,1] = -5411/1152, rop[2,2,2,1,4] = -2665/1152, rop[2,2,2,2,3] = 1015/2304, rop[2,2,2,3,2] = -2135/2304, rop[2,2,2,4,1] = 665/576, rop[2,2,3,1,3] = 2195/1152, rop[2,2,3,2,2] = 845/1152, rop[2,2,3,3,1] = -1775/1152, rop[2,2,4,1,2] = -1085/384, rop[2,2,4,2,1] = 3815/3072, rop[2,2,5,1,1] = 595/384, rop[2,3,1,1,4] = -3133/1152, rop[2,3,1,2,3] = -595/1152, rop[2,3,1,3,2] = -1855/1152, rop[2,3,1,4,1] = 3913/1152, rop[2,3,2,1,3] = 755/1152, rop[2,3,2,2,2] = -325/1152, rop[2,3,2,3,1] = 1429/1152, rop[2,3,3,1,2] = 595/384, rop[2,3,3,2,1] = -931/768, rop[2,3,4,1,1] = -371/384, rop[2,4,1,1,3] = 405/128, rop[2,4,1,2,2] = 305/128, rop[2,4,1,3,1] = -4135/1152, rop[2,4,2,1,2] = -2555/1152, rop[2,4,2,2,1] = 2275/4608, rop[2,4,3,1,1] = 805/1152, rop[2,5,1,1,2] = -3455/1152, rop[2,5,1,2,1] = 1745/2304, rop[2,5,2,1,1] = 1075/1152, rop[2,6,1,1,1] = 2555/2304, rop[3,1,1,1,5] = 469/288, rop[3,1,1,2,4] = 391/288, rop[3,1,1,3,3] = -245/288, rop[3,1,1,4,2] = 595/288, rop[3,1,1,5,1] = -2317/576, rop[3,1,2,1,4] = -95/72, rop[3,1,2,2,3] = 595/1152, rop[3,1,2,3,2] = -455/1152, rop[3,1,2,4,1] = -35/288, rop[3,1,3,1,3] = 215/144, rop[3,1,3,2,2] = 205/288, rop[3,1,3,3,1] = -1105/576, rop[3,1,4,1,2] = -35/9, rop[3,1,4,2,1] = 3325/1536, rop[3,1,5,1,1] = 455/192, rop[3,2,1,1,4] = -229/144, rop[3,2,1,2,3] = -35/288, rop[3,2,1,3,2] = -245/288, rop[3,2,1,4,1] = 791/576, rop[3,2,2,1,3] = 95/144, rop[3,2,2,2,2] = 5/144, rop[3,2,2,3,1] = -37/576, rop[3,2,3,1,2] = -35/36, rop[3,2,3,2,1] = 203/384, rop[3,2,4,1,1] = 133/192, rop[3,3,1,1,3] = 5/48, rop[3,3,1,2,2] = -5/12, rop[3,3,1,3,1] = 75/64, rop[3,3,2,1,2] = 35/36, rop[3,3,2,2,1] = -1295/2304, rop[3,3,3,1,1] = -245/576, rop[3,4,1,1,2] = 65/144, rop[3,4,1,2,1] = -445/1152, rop[3,4,2,1,1] = -155/576, rop[3,5,1,1,1] = -175/1152, rop[4,1,1,1,4] = -67/36, rop[4,1,1,2,3] = -875/1152, rop[4,1,1,3,2] = -1505/1152, rop[4,1,1,4,1] = 413/144, rop[4,1,2,1,3] = -25/144, rop[4,1,2,2,2] = -185/288, rop[4,1,2,3,1] = 1031/576, rop[4,1,3,1,2] = 35/18, rop[4,1,3,2,1] = -567/512, rop[4,1,4,1,1] = -63/64, rop[4,2,1,1,3] = 415/384, rop[4,2,1,2,2] = 265/384, rop[4,2,1,3,1] = -5/8, rop[4,2,2,1,2] = 35/576, rop[4,2,2,2,1] = -2345/9216, rop[4,2,3,1,1] = -175/1152, rop[4,3,1,1,2] = -95/288, rop[4,3,1,2,1] = -565/4608, rop[4,3,2,1,1] = -5/144, rop[4,4,1,1,1] = 245/4608, rop[5,1,1,1,3] = 5/3, rop[5,1,1,2,2] = 65/48, rop[5,1,1,3,1] = -109/64, rop[5,1,2,1,2] = -35/72, rop[5,1,2,2,1] = -161/2304, rop[5,1,3,1,1] = 7/576, rop[5,2,1,1,2] = -115/144, rop[5,2,1,2,1] = 41/1152, rop[5,2,2,1,1] = 61/576, rop[5,3,1,1,1] = 203/1152, rop[6,1,1,1,2] = -10/9, rop[6,1,1,2,1] = 325/2304, rop[6,1,2,1,1] = 115/576, rop[6,2,1,1,1] = 595/2304, rop[7,1,1,1,1] = 365/1152, rop[1,1,1,1,6] = -17/144, rop[1,1,1,1,2,5] = -1085/1152, rop[1,1,1,1,3,4] = 5/96, rop[1,1,1,1,4,3] = 245/1152, rop[1,1,1,1,5,2] = -245/288, rop[1,1,1,1,6,1] = 2275/1152, rop[1,1,1,2,1,5] = -91/64, rop[1,1,1,2,2,4] = -337/1152, rop[1,1,1,2,3,3] = 35/36, rop[1,1,1,2,4,2] = -595/384, rop[1,1,1,2,5,1] = 763/288, rop[1,1,1,3,1,4] = 1165/288, rop[1,1,1,3,2,3] = -1505/1152, rop[1,1,1,3,3,2] = 1085/576, rop[1,1,1,3,4,1] = -2975/1152, rop[1,1,1,4,1,3] = -2515/576, rop[1,1,1,4,2,2] = -1055/1152, rop[1,1,1,4,3,1] = 1255/576, rop[1,1,1,5,1,2] = 805/144, rop[1,1,1,5,2,1] = -4655/2304, rop[1,1,1,6,1,1] = -105/32, rop[1,1,2,1,1,5] = 2429/1152, rop[1,1,2,1,2,4] = 1961/1152, rop[1,1,2,1,3,3] = -1855/1152, rop[1,1,2,1,4,2] = 3185/1152, rop[1,1,2,1,5,1] = -5411/1152, rop[1,1,2,2,1,4] = -2665/1152, rop[1,1,2,2,2,3] = 1015/2304, rop[1,1,2,2,3,2] = -2135/2304, rop[1,1,2,2,4,1] = 665/576, rop[1,1,2,3,1,3] = 2195/1152, rop[1,1,2,3,2,2] = 845/1152, rop[1,1,2,3,3,1] = -1775/1152, rop[1,1,2,4,1,2] = -1085/384, rop[1,1,2,4,2,1] = 3815/3072, rop[1,1,2,5,1,1] = 595/384, rop[1,1,3,1,1,4] = -3133/1152, rop[1,1,3,1,2,3] = -595/1152, rop[1,1,3,1,3,2] = -1855/1152, rop[1,1,3,1,3,2] = -1855/1152, rop[1,1,3,1,4,1] = 3913/1152, rop[1,1,3,1,4,1] = 3913/1152, rop[1,1,3,2,1,3] = 755/1152, rop[1,1,3,2,2,2] = -325/1152, rop[1,1,3,2,3,1] = 1429/1152, rop[1,1,3,3,1,2] = 595/384, rop[1,1,3,3,2,1] = -931/768, rop[1,1,3,4,1,1] = -371/384, rop[1,1,4,1,1,3] = 405/128, rop[1,1,4,1,2,2] = 305/128, rop[1,1,4,1,3,1] = -4135/1152, rop[1,1,4,2,1,2] = -2555/1152, rop[1,1,4,2,2,1] = 2275/4608, rop[1,1,4,3,1,1] = 805/1152, rop[1,1,5,1,2,1] = -3455/1152, rop[1,1,5,2,1,1] = 1745/2304, rop[1,1,6,1,1,1] = 2555/2304, rop[1,2,1,1,1,5] = 469/288, rop[1,2,1,1,2,4] = 391/288, rop[1,2,1,1,3,3] = -245/288, rop[1,2,1,1,4,2] = 595/288, rop[1,2,1,1,5,1] = -2317/576, rop[1,2,1,2,1,4] = -95/72, rop[1,2,1,2,2,3] = 595/1152, rop[1,2,1,2,3,2] = -455/1152, rop[1,2,1,2,4,1] = -35/288, rop[1,2,1,3,1,3] = 215/144, rop[1,2,1,3,2,2] = 205/288, rop[1,2,1,3,3,1] = -1105/576, rop[1,2,1,4,1,2] = -35/9, rop[1,2,1,4,2,1] = 3325/1536, rop[1,2,1,5,1,1] = 455/192, rop[1,2,2,1,1,4] = -229/144, rop[1,2,2,1,2,3] = -35/288, rop[1,2,2,1,3,2] = -245/288, rop[1,2,2,1,4,1] = 791/576, rop[1,2,2,2,1,3] = 95/144, rop[1,2,2,2,2,2] = 5/144, rop[1,2,2,2,3,1] = -37/576, rop[1,2,2,3,1,2] = -35/36, rop[1,2,2,3,2,1] = 203/384, rop[1,2,2,4,1,1] = 133/192, rop[1,2,3,1,1,3] = 5/48, rop[1,2,3,1,2,2] = -5/12, rop[1,2,3,1,3,1] = 75/64, rop[1,2,3,2,1,2] = 35/36, rop[1,2,3,2,2,1] = -1295/2304, rop[1,2,3,3,1,1] = -245/576, rop[1,2,4,1,1,2] = 65/144, rop[1,2,4,1,2,1] = -445/1152, rop[1,2,4,2,1,1] = -155/576, rop[1,2,5,1,1,1] = -175/1152, rop[1,3,1,1,1,4] = -67/36, rop[1,3,1,1,2,3] = -875/1152, rop[1,3,1,1,3,2] = -1505/1152, rop[1,3,1,1,4,1] = 413/144, rop[1,3,1,2,1,3] = -25/144, rop[1,3,1,2,2,2] = -185/288, rop[1,3,1,2,3,1] = 1031/576, rop[1,3,1,3,1,2] = 35/18, rop[1,3,1,3,1,2] = 35/18, rop[1,3,2,1,1,3] = 415/384, rop[1,3,2,1,1,3] = 415/384, rop[1,3,2,1,2,2] = 265/384, rop[1,3,2,1,3,1] = -5/8, rop[1,3,2,2,1,2] = 35/576, rop[1,3,2,2,2,1] = -2345/9216, rop[1,3,2,3,1,1] = -175/1152, rop[1,3,3,1,1,2] = -95/288, rop[1,3,3,1,2,1] = -565/4608, rop[1,3,3,2,1,1] = -5/144, rop[1,3,4,1,1,1] = 245/4608, rop[1,4,1,1,1,3] = 5/3, rop[1,4,1,1,2,2] = 65/48, rop[1,4,1,1,3,1] = -109/64, rop[1,4,1,2,1,2] = -35/72, rop[1,4,1,2,2,1] = -161/2304, rop[1,4,1,3,1,1] = 7/576, rop[1,4,2,1,1,2] = -115/144, rop[1,4,2,1,2,1] = 41/1152, rop[1,4,2,2,1,1] = 61/576, rop[1,4,3,1,1,1] = 203/1152, rop[1,5,1,1,1,2] = -10/9, rop[1,5,1,1,2,1] = 325/2304, rop[1,5,1,2,1,1] = 115/576, rop[1,5,2,1,1,1] = 595/2304, rop[1,6,1,1,1,1] = 365/1152, rop[2,1,1,1,1,5] = 553/1152, rop[2,1,1,1,2,4] = 397/1152, rop[2,1,1,1,3,3] = -875/1152, rop[2,1,1,1,4,2] = 805/1152, rop[2,1,1,1,5,1] = -259/384, rop[2,1,1,2,1,4] = -1145/1152, rop[2,1,1,2,2,3] = -175/2304, rop[2,1,1,2,3,2] = -1225/2304, rop[2,1,1,2,4,1] = 245/192, rop[2,1,1,3,1,3] = 475/1152, rop[2,1,1,3,2,2] = 25/1152, rop[2,1,1,3,3,1] = 145/384, rop[2,1,1,4,1,2] = 1225/1152, rop[2,1,1,4,2,1] = -945/1024, rop[2,1,1,5,1,1] = -105/128, rop[2,1,2,1,1,4] = -1301/1152, rop[2,1,2,1,2,3] = -455/1152, rop[2,1,2,1,3,2] = -875/1152, rop[2,1,2,1,4,1] = 259/128, rop[2,1,2,2,1,3] = -5/1152, rop[2,1,2,2,2,2] = -365/1152, rop[2,1,2,2,3,1] = 167/128, rop[2,1,2,3,1,2] = 2905/1152, rop[2,1,2,3,2,1] = -1337/768, rop[2,1,2,4,1,1] = -637/384, rop[2,1,3,1,1,3] = 1175/384, rop[2,1,3,1,2,2] = 1075/384, rop[2,1,3,1,3,1] = -5485/1152, rop[2,1,3,2,1,2] = -1225/384, rop[2,1,3,2,2,1] = 4865/4608, rop[2,1,3,3,1,1] = 1295/1152, rop[2,1,4,1,1,2] = -1325/384, rop[2,1,4,1,2,1] = 2635/2304, rop[2,1,4,2,1,1] = 1385/1152, rop[2,1,5,1,1,1] = 2905/2304, rop[2,2,1,1,1,4] = 13/32, rop[2,2,1,1,2,3] = 245/256, rop[2,2,1,1,3,2] = 175/256, rop[2,2,1,1,4,1] = -287/128, rop[2,2,1,2,1,3] = 5/4, rop[2,2,1,2,2,2] = 65/64, rop[2,2,1,2,3,1] = -89/32, rop[2,2,1,3,1,2] = -35/8, rop[2,2,1,3,2,1] = 2513/1024, rop[2,2,1,4,1,1] = 161/64, rop[2,2,2,1,1,3] = -375/256, rop[2,2,2,1,2,2] = -425/256, rop[2,2,2,1,3,1] = 345/128, rop[2,2,2,2,1,2] = 175/128, rop[2,2,2,2,2,1] = -945/2048, rop[2,2,2,3,1,1] = -105/256, rop[2,2,3,1,1,2] = 75/64, rop[2,2,3,1,2,1] = -405/1024, rop[2,2,3,2,1,1] = -45/128, rop[2,2,4,1,1,1] = -315/1024, rop[2,3,1,1,1,3] = -75/64, rop[2,3,1,1,2,2] = -85/64, rop[2,3,1,1,3,1] = 69/32, rop[2,3,1,2,1,2] = 35/32, rop[2,3,1,2,2,1] = -189/512, rop[2,3,1,3,1,1] = -21/64, rop[2,3,2,1,1,2] = 15/16, rop[2,3,2,1,2,1] = -81/256, rop[2,3,2,2,1,1] = -9/32, rop[2,3,3,1,1,1] = -63/256, rop[2,4,1,1,1,2] = 25/32, rop[2,4,1,1,2,1] = -135/512, rop[2,4,1,2,1,1] = -15/64, rop[2,4,2,1,1,1] = -105/512, rop[2,5,1,1,1,1] = -45/256, rop[3,1,1,1,1,4] = 13/48, rop[3,1,1,1,2,3] = 245/384, rop[3,1,1,1,3,2] = 175/384, rop[3,1,1,1,4,1] = -287/192, rop[3,1,1,2,1,3] = 5/6, rop[3,1,1,2,2,2] = 65/96, rop[3,1,1,2,3,1] = -89/48, rop[3,1,1,3,1,2] = -35/12, rop[3,1,1,3,2,1] = 2513/1536, rop[3,1,1,4,1,1] = 161/96, rop[3,1,2,1,1,3] = -125/128, rop[3,1,2,1,2,2] = -425/384, rop[3,1,2,1,3,1] = 115/64, rop[3,1,2,2,1,2] = 175/192, rop[3,1,2,2,2,1] = -315/1024, rop[3,1,2,3,1,1] = -35/128, rop[3,1,3,1,1,2] = 25/32, rop[3,1,3,1,2,1] = -135/512, rop[3,1,3,2,1,1] = -15/64, rop[3,1,4,1,1,1] = -105/512, rop[3,2,1,1,1,3] = -25/32, rop[3,2,1,1,2,2] = -85/96, rop[3,2,1,1,3,1] = 23/16, rop[3,2,1,2,1,2] = 35/48, rop[3,2,1,2,2,1] = -63/256, rop[3,2,1,3,1,1] = -7/32, rop[3,2,2,1,1,2] = 5/8, rop[3,2,2,1,2,1] = -27/128, rop[3,2,2,2,1,1] = -3/

16, rop[3,2,3,1,1,1] = -21/128, rop[3,3,1,1,1,2] = 25/48, rop[3,3,1,1,2,1] = -45/256, rop[3,3,1,2,1,1] = -5/32, rop[3,3,2,1,1,1] = -35/256, rop[3,4,1,1,1,1] = -15/128, rop[4,1,1,1,1,3] = -75/128, rop[4,1,1,1,2,2] = -85/128, rop[4,1,1,1,3,1] = 69/64, rop[4,1,1,2,1,2] = 35/64, rop[4,1,1,2,2,1] = -189/1024, rop[4,1,1,3,1,1] = -21/128, rop[4,1,2,1,1,2] = 15/32, rop[4,1,2,1,2,1] = -81/512, rop[4,1,2,2,1,1] = -9/64, rop[4,1,3,1,1,1] = -63/512, rop[4,2,1,1,1,2] = 25/64, rop[4,2,1,1,2,1] = -135/1024, rop[4,2,1,2,1,1] = -15/128, rop[4,2,2,1,1,1] = -105/1024, rop[4,3,1,1,1,1] = -45/512, rop[5,1,1,1,1,2] = 5/16, rop[5,1,1,1,2,1] = -27/256, rop[5,1,1,2,1,1] = -3/32, rop[5,1,2,1,1,1] = -21/256, rop[5,2,1,1,1,1] = -9/128, rop[6,1,1,1,1,1] = -15/256, rop[1,1,1,1,1,1,5] = 553/1152, rop[1,1,1,1,1,2,4] = 397/1152, rop[1,1,1,1,1,3,3] = -875/1152, rop[1,1,1,1,1,4,2] = 805/1152, rop[1,1,1,1,1,5,1] = -259/384, rop[1,1,1,1,2,1,4] = -1145/1152, rop[1,1,1,1,2,2,3] = -175/2304, rop[1,1,1,1,2,3,2] = -1225/2304, rop[1,1,1,1,2,4,1] = 245/192, rop[1,1,1,1,3,1,3] = 475/1152, rop[1,1,1,1,3,2,2] = 25/1152, rop[1,1,1,1,3,3,1] = 145/384, rop[1,1,1,1,4,1,2] = 1225/1152, rop[1,1,1,1,4,2,1] = -945/1024, rop[1,1,1,1,5,1,1] = -105/128, rop[1,1,1,2,1,1,4] = -1301/1152, rop[1,1,1,2,1,2,3] = -455/1152, rop[1,1,1,2,1,3,2] = -875/1152, rop[1,1,1,2,1,4,1] = 259/128, rop[1,1,1,2,2,1,3] = -5/1152, rop[1,1,1,2,2,2,2] = -365/1152, rop[1,1,1,2,2,3,1] = 167/128, rop[1,1,1,2,3,1,2] = 2905/1152, rop[1,1,1,2,3,2,1] = -1337/768, rop[1,1,1,2,4,1,1] = -637/384, rop[1,1,1,3,1,1,3] = 1175/384, rop[1,1,1,3,1,2,2] = 1075/384, rop[1,1,1,3,1,3,1] = -5485/1152, rop[1,1,1,3,2,1,2] = -1225/384, rop[1,1,1,3,2,2,1] = 4865/4608, rop[1,1,1,3,3,1,1] = 1295/1152, rop[1,1,1,4,1,1,2] = -1325/384, rop[1,1,1,4,1,2,1] = 2635/2304, rop[1,1,1,4,2,1,1] = 1385/1152, rop[1,1,1,5,1,1,1] = 2905/2304, rop[1,1,2,1,1,1,4] = 13/32, rop[1,1,2,1,1,2,3] = 245/256, rop[1,1,2,1,1,3,2] = 175/256, rop[1,1,2,1,1,4,1] = -287/128, rop[1,1,2,1,2,1,3] = 5/4, rop[1,1,2,1,2,2,2] = 65/64, rop[1,1,2,1,2,3,1] = -89/32, rop[1,1,2,1,3,1,2] = -35/8, rop[1,1,2,1,3,2,1] = 2513/1024, rop[1,1,2,1,4,1,1] = 161/64, rop[1,1,2,2,1,1,3] = -375/256, rop[1,1,2,2,1,2,2] = -425/256, rop[1,1,2,2,1,3,1] = 345/128, rop[1,1,2,2,2,1,2] = 175/128, rop[1,1,2,2,2,2,1] = -945/2048, rop[1,1,2,2,3,1,1] = -105/256, rop[1,1,2,3,1,1,2] = 75/64, rop[1,1,2,3,1,2,1] = -405/1024, rop[1,1,2,3,2,1,1] = -45/128, rop[1,1,2,4,1,1,1] = -315/1024, rop[1,1,3,1,1,1,3] = -75/64, rop[1,1,3,1,1,2,2] = -85/64, rop[1,1,3,1,1,3,1] = 69/32, rop[1,1,3,1,2,1,2] = 35/32, rop[1,1,3,1,2,2,1] = -189/512, rop[1,1,3,1,3,1,1] = -21/64, rop[1,1,3,2,1,1,2] = 15/16, rop[1,1,3,2,1,2,1] = -81/256, rop[1,1,3,2,2,1,1] = -9/32, rop[1,1,3,3,1,1,1] = -63/256, rop[1,1,4,1,1,1,2] = 25/32, rop[1,1,4,1,1,2,1] = -135/512, rop[1,1,4,2,1,1,1] = -15/64, rop[1,1,4,2,1,1,1] = -105/512, rop[1,1,5,1,1,1,1] = -45/256, rop[1,2,1,1,1,1,4] = 13/48, rop[1,2,1,1,1,2,1] = 1,1,2,3] = 245/384, rop[1,2,1,1,1,3,2] = 175/384, rop[1,2,1,1,1,4,1] = -287/192, rop[1,2,1,1,2,1,3] = 5/6, rop[1,2,1,2,1,2,2] = 65/96, rop[1,2,1,1,2,3,1] = -89/48, rop[1,2,1,1,3,1,2] = -35/12, rop[1,2,1,1,3,2,1] = 2513/1536, rop[1,2,1,1,4,1,1] = 161/96, rop[1,2,1,2,1,1,3] = -125/128, rop[1,2,1,2,1,2,2] = -425/384, rop[1,2,1,2,1,3,1] = 115/64, rop[1,2,1,2,2,1,2] = 175/192, rop[1,2,1,2,2,2,1] = -315/1024, rop[1,2,1,2,3,1,1] = -35/128, rop[1,2,1,3,1,1,2] = 25/32, rop[1,2,1,3,1,2,1] = -135/512, rop[1,2,1,3,2,1,1] = -15/64, rop[1,2,1,4,1,1,1] = -105/512, rop[1,2,2,1,1,1,3] = -25/32, rop[1,2,2,1,1,2,2] = -85/96, rop[1,2,2,1,1,3,1] = 23/16, rop[1,2,2,1,2,1,2] = 35/48, rop[1,2,2,1,2,2,1] = -63/256, rop[1,2,2,1,3,1,1] = -7/32, rop[1,2,2,2,1,1,2] = 5/8, rop[1,2,2,2,1,2,1] = -27/128, rop[1,2,2,2,2,1,1] = -3/16, rop[1,2,2,3,1,1,1] = -21/128, rop[1,2,3,1,1,1,2] = 25/48, rop[1,2,3,1,1,2,1] = -45/256, rop[1,2,3,1,2,1,1] = -5/32, rop[1,2,3,2,1,1,1] = -35/256, rop[1,2,4,1,1,1,1] = -15/128, rop[1,3,1,1,1,1,3] = -75/128, rop[1,3,1,1,2,2,1] = -85/128, rop[1,3,1,1,3,1,1] = 69/64, rop[1,3,1,1,2,1,2] = 35/64, rop[1,3,1,1,2,2,1] = -189/1024, rop[1,3,1,1,3,1,1] = -21/128, rop[1,3,1,2,1,1,2] = 15/32, rop[1,3,1,2,1,2,1] = -81/512, rop[1,3,1,2,2,1,1] = -9/64, rop[1,3,1,3,1,1,1] = -63/512, rop[1,3,2,1,1,1,2] = 25/64, rop[1,3,2,1,1,2,1] = -135/1024, rop[1,3,2,1,2,1,1] = -15/128, rop[1,3,2,2,1,1,1] = -105/1024, rop[1,3,3,1,1,1,1] = -45/512, rop[1,4,1,1,1,1,2] = 5/16, rop[1,4,1,1,1,2,1] = -27/256, rop[1,4,1,1,2,1,1] = -3/32, rop[1,4,1,2,1,1,1] = -21/256, rop[1,4,2,1,1,1,1] = -9/128, rop[1,5,1,1,1,1,1] = -15/256, rop[2,1,1,1,1,1,4] = 13/96, rop[2,1,1,1,1,2,3] = 245/768, rop[2,1,1,1,1,3,2] = 175/768, rop[2,1,1,1,1,4,1] = -287/384, rop[2,1,1,1,2,1,3] = 5/12, rop[2,1,1,1,2,2,2] = 65/192, rop[2,1,1,1,2,3,1] = -89/96, rop[2,1,1,1,3,1,2] = -35/24, rop[2,1,1,1,3,2,1] = 2513/3072, rop[2,1,1,1,4,1,1] = 161/192, rop[2,1,1,2,1,1,3] = -125/256, rop[2,1,1,2,2,1,2] = -425/768, rop[2,1,1,2,1,3,1] = 115/128, rop[2,1,1,2,2,1,2] = 175/384, rop[2,1,1,2,2,2,1] = -315/2048, rop[2,1,1,2,3,1,1] = -35/256, rop[2,1,1,3,1,1,2] = 25/64, rop[2,1,1,3,1,2,1] = -135/1024, rop[2,1,1,3,2,1,1] = -15/128, rop[2,1,1,4,1,1,1] = -105/1024, rop[2,1,2,1,1,1,3] = -25/64, rop[2,1,2,1,1,2,2] = 35/96, rop[2,1,2,1,2,1,1] = -63/512, rop[2,1,2,1,3,1,1] = -7/64, rop[2,1,2,2,1,1,2] = 5/16, rop[2,1,2,2,1,2,1] = -27/256, rop[2,1,2,2,2,1,1] = -3/32, rop[2,1,2,3,1,1,1] = -21/256, rop[2,1,3,1,1,1,2] = 25/96, rop[2,1,3,1,1,2,1] = -45/512, rop[2,1,3,1,2,1,1] = -5/64, rop[2,1,3,2,1,1,1] = -35/512, rop[2,1,4,1,1,1,1] = -15/256, rop[2,2,1,1,1,1,3] = -75/256, rop[2,2,1,1,1,2,2] = -85/256, rop[2,2,1,1,1,3,1] = 69/128, rop[2,2,1,1,2,1,2] = 35/128, rop[2,2,1,1,2,2,1] = -189/2048, rop[2,2,1,1,3,1,1] = -21/256, rop[2,2,1,2,1,1,2] = 15/64, rop[2,2,1,2,1,2,1] = -81/1024, rop[2,2,1,2,2,1,1] = -9/128, rop[2,2,1,3,1,1,1] = -63/1024, rop[2,2,2,1,1,1,2] = 25/128, rop[2,2,2,1,1,2,1] = -135/2048, rop[2,2,2,1,2,1,1] = -15/256, rop[2,2,2,2,1,1,1] = -105/2048, rop[2,2,3,1,1,1,1] = -45/1024, rop[2,3,1,1,1,1,2] = 5/32, rop[2,3,1,1,1,2,1] = -27/512, rop[2,3,1,1,2,1,1] = -3/64, rop[2,3,1,2,1,1,1] = -21/512, rop[2,3,2,1,1,1,1] = -9/256, rop[2,4,1,1,1,1,1] = -15/512, rop[3,1,1,1,1,1,1] = 128, rop[3,1,1,1,1,2,2] = -85/384, rop[3,1,1,1,1,3,1] = 23/64, rop[3,1,1,1,2,1,2] = 35/192, rop[3,1,1,1,2,2,1] = -63/1024, rop[3,1,1,1,3,1,1] = -7/128, rop[3,1,1,2,1,1,2] = 5/32, rop[3,1,1,2,1,2,1] = -27/512, rop[3,1,1,2,2,1,1] = -3/64, rop[3,1,1,3,1,1,1] = -21/512, rop[3,1,2,1,1,1,2] = 25/192, rop[3,1,2,1,1,2,1] = -45/1024, rop[3,1,2,1,2,1,1] = -5/128, rop[3,1,2,1,2,2,1] = -35/1024, rop[3,1,3,1,1,1,1] = -15/512, rop[3,2,1,1,1,1,1] = 5/48, rop[3,2,1,1,1,2,1] = -9/256, rop[3,2,1,1,2,1,1] = -1/32, rop[3,2,1,2,1,1,1] = -7/256, rop[3,2,2,1,1,1,1] = -3/128, rop[3,3,1,1,1,1,1] = -5/256, rop[4,1,1,1,1,1,2] = 5/64, rop[4,1,1,1,1,2,1] = -27/1024, rop[4,1,1,1,2,1,1] = -3/128, rop[4,1,1,2,1,1,1] = -21/1024, rop[4,1,2,1,1,1,1] = -9/512, rop[4,2,1,1,1,1,1] = -15/1024, rop[5,1,1,1,1,1,1] = -3/256, rop[1,1,1,1,1,1,1,4] = 13/96, rop[1,1,1,1,1,1,2,3] = 245/768, rop[1,1,1,1,1,1,3,2] = 175/768, rop[1,1,1,1,1,1,4,1] = -287/384, rop[1,1,1,1,1,2,1,3] = 5/12, rop[1,1,1,1,1,2,2,2] = 65/192, rop[1,1,1,1,1,2,3,1] = -89/96, rop[1,1,1,1,1,3,1,2] = -35/24, rop[1,1,1,1,1,3,2,1] = 2513/3072, rop[1,1,1,1,1,4,1,1] = 161/192, rop[1,1,1,1,2,1,1,3] = -125/256, rop[1,1,1,1,2,2,1,2] = -425/768, rop[1,1,1,1,2,1,3,1] = 115/128, rop[1,1,1,1,2,2,1,2] = 175/384, rop[1,1,1,1,2,2,2,1] = -315/2048, rop[1,1,1,1,2,3,1,1] = -35/256, rop[1,1,1,1,2,3,1,2] = 25/64, rop[1,1,1,1,2,3,1,3] = -75/256, rop[1,1,1,1,2,4,1,1] = -105/1024, rop[1,1,1,2,1,1,1,3] = -25/64, rop[1,1,1,2,1,1,2,2] = 35/96, rop[1,1,1,2,1,1,2,1,1] = -63/512, rop[1,1,1,2,1,1,3,1,1] = -7/64, rop[1,1,1,2,2,1,1,2] = 5/16, rop[1,1,1,2,2,1,2,1] = -27/256, rop[1,1,1,2,2,2,1,1] = -3/32, rop[1,1,1,2,3,1,1,1] = -21/256, rop[1,1,1,3,1,1,1,2] = 25/96, rop[1,1,1,3,1,1,2,1] = -45/512, rop[1,1,1,3,1,2,1,1] = -5/64, rop[1,1,1,3,2,1,1,1] = -35/512, rop[1,1,1,4,1,1,1,1] = -15/256, rop[1,1,2,1,1,1,1,3] = -75/256, rop[1,1,2,1,1,1,2,2] = -85/256, rop[1,1,2,1,1,1,3,1] = 69/128, rop[1,1,2,1,1,2,1,2] = 35/128, rop[1,1,2,1,1,2,2,1] = -189/2048, rop[1,1,2,1,1,3,1,1] = -21/256, rop[1,1,2,1,2,1,1,2] = 15/64, rop[1,1,2,1,2,1,2,1] = -81/1024, rop[1,1,2,1,2,2,1,1] = -9/128, rop[1,1,2,1,3,1,1,1] = -63/1024, rop[1,1,2,1,3,1,1,2] = 25/128, rop[1,1,2,2,1,1,1,2] = 5/32, rop[1,1,2,2,1,1,2,1] = -135/2048, rop[1,1,2,2,1,2,1,1] = -15/256, rop[1,1,2,2,2,1,1,1] = -105/2048, rop[1,1,2,3,1,1,1,1] = -45/1024, rop[1,1,3,1,1,1,1,2] = 5/32, rop[1,1,3,1,1,1,2,1] = -27/512, rop[1,1,3,1,1,2,1,1] = -3/64, rop[1,1,3,1,1,2,1,1,1] = -21/512, rop[1,1,3,1,1,3,1,1,1] = -9/256, rop[1,1,4,1,1,1,1,1] = -15/512, rop[1,2,1,1,1,1,1,3] = -25/128, rop[1,2,1,1,1,1,2,2] = -85/384, rop[1,2,1,1,1,1,3,1] = 23/64, rop[1,2,1,1,1,2,1,2] = 35/192, rop[1,2,1,1,1,2,2,1] = -63/1024, rop[1,2,1,1,1,3,1,1] = -7/128, rop[1,2,1,1,1,3,1,1,1] = -63/512, rop[1,2,1,1,2,1,1,1] = -3/64, rop[1,2,1,1,2,1,1,1,1] = -21/512, rop[1,2,1,1,2,1,1,2] = 25/192, rop[1,2,1,2,1,1,1,1] = -45/1024, rop[1,2,1,2,1,2,1,1] = -5/128, rop[1,2,1,2,2,1,1,1] = -35/1024, rop[1,2,1,3,1,1,1,1] = -15/512, rop[1,2,2,1,1,1,1,1,2] = 5/48, rop[1,2,2,1,1,1,2,1] = -9/256, rop[1,2,2,1,1,2,1,1] = -1/32, rop[1,2,2,1,1,2,1,1,1] = -7/256, rop[1,2,2,1,1,2,1,1,1] = -3/128, rop[1,2,2,1,1,2,1,1,1,1] = -5/256, rop[1,2,2,1,1,2,1,1,1,1,1] = -3/128, rop[1,2,3,1,1,1,1,1,1] = -5/256, rop[1,3,1,1,1,1,1,2] = 5/64, rop[1,3,1,1,1,1,2,1] = -27/1024, rop[1,3,1,1,1,2,1,1] = -3/128, rop[1,3,1,1,2,1,1,1] = -21/1024, rop[1,3,1,2,1,1,1,1] = -9/512, rop[1,3,1,2,1,1,1,1,1] = -15/1024, rop[1,3,1,2,1,1,1,1,1,1] = -3/128, rop[1,3,1,2,1,1,1,1,1,1,1] = -21/1024, rop[1,3,1,2,1,1,1,1,1,1,1,1] = -9/512, rop[1,3,2,1,1,1,1,1,1] = -15/1024,

432, rop[1,1,3,5,2] = 1463/288, rop[1,1,3,6,1] = -6923/864, rop[1,1,4,1,5] = -25795/1728, rop[1,1,4,2,4] = -5005/13824, rop[1,1,4,3,3] = -385/576, rop[1,1,4,4,2] = -15785/3456, rop[1,1,4,5,1] = 17311/1728, rop[1,1,5,1,4] = 42581/2304, rop[1,1,5,2,3] = -55/54, rop[1,1,5,3,2] = 1375/216, rop[1,1,5,4,1] = -137/16, rop[1,1,6,1,3] = -108955/6912, rop[1,1,6,2,2] = -\ 5005/1536, rop[1,1,6,3,1] = 25291/6912, rop[1,1,7,1,2] = 5665/432, rop[1,1,7,2,1] = -919/432, rop[1,1,8,1,1] = -983/144, rop[1,2,1,1,7] = 4609/864, rop[1,2,1,2,6] = 5863/1728, rop[1,2,1,3,5] = -77/18, rop[1,2,1,4,4] = 128359/13824, rop[1,2,1,5,3] = -4697/432, rop[1,2,1,6,2] = 5929/576, rop[1,2,1,7,1] = -5707/432, rop[1,2,2,1,6] = -2255/288, rop[1,2,2,2,5] = 3311/1728, rop[1,2,2,3,4] = -14245/3456, rop[1,2,2,4,3] = 1925/576, rop[1,2,2,5,2] = -6853/1728, rop[1,2,2,6,1] = 10507/1728, rop[1,2,3,1,5] = 1925/216, rop[1,2,3,2,4] = 2695/2304, rop[1,2,3,3,3] = -385/432, rop[1,2,3,4,2] = 7315/1728, rop[1,2,3,5,1] = -595/72, rop[1,2,4,1,4] = -41195/3456, rop[1,2,4,2,3] = 935/576, rop[1,2,4,3,2] = -8195/1728, rop[1,2,4,4,1] = 11465/1728, rop[1,2,5,1,3] = 36575/3456, rop[1,2,5,2,2] = 15785/6912, rop[1,2,5,3,1] = -4445/1152, rop[1,2,6,1,2] = -385/36, rop[1,2,6,2,1] = 2555/864, rop[1,2,7,1,1] = 2555/432, rop[1,3,1,1,6] = -16885/1728, rop[1,3,1,2,5] = -1309/864, rop[1,3,1,3,4] = -23485/4608, rop[1,3,1,4,3] = 8855/1728, rop[1,3,1,5,2] = -14861/1728, rop[1,3,1,6,1] = 2317/144, rop[1,3,2,1,5] = 2695/576, rop[1,3,2,2,4] = -5005/27648, rop[1,3,2,3,3] = 5005/1728, rop[1,3,2,4,2] = -385/256, rop[1,3,2,5,1] = 2765/1728, rop[1,3,3,1,4] = 22715/13824, rop[1,3,3,2,3] = -1375/432, rop[1,3,3,3,2] = 935/576, rop[1,3,3,4,1] = -2855/1728, rop[1,3,4,1,3] = -20405/4608, rop[1,3,4,2,2] = -29645/27648, rop[1,3,4,3,1] = 63175/13824, rop[1,3,5,1,2] = 18095/1728, rop[1,3,5,2,1] = -175/32, rop[1,3,6,1,1] = -11585/1728, rop[1,4,1,1,5] = 12859/864, rop[1,4,1,2,4] = 48895/6912, rop[1,4,1,3,3] = -\ 385/144, rop[1,4,1,4,2] = 9163/864, rop[1,4,1,5,1] = -18067/864, rop[1,4,2,1,4] = -10703/1152, rop[1,4,2,2,3] = 55/432, rop[1,4,2,3,2] = -4147/1728, rop[1,4,2,4,1] = 415/288, rop[1,4,3,1,3] = 23485/3456, rop[1,4,3,2,2] = 2387/768, rop[1,4,3,3,1] = -19705/3456, rop[1,4,4,1,2] = -9163/864, rop[1,4,4,2,1] = 8225/1728, rop[1,4,5,1,1] = 91/16, rop[1,5,1,1,4] = -\ 118195/6912, rop[1,5,1,2,3] = -605/144, rop[1,5,1,3,2] = -3575/432, rop[1,5,1,4,1] = 13165/864, rop[1,5,2,1,3] = 30415/6912, rop[1,5,2,2,2] = -8855/13824, rop[1,5,2,3,1] = 10955/2304, rop[1,5,3,1,2] = 385/144, rop[1,5,3,2,1] = -595/216, rop[1,5,4,1,1] = -1295/864, rop[1,6,1,1,3] = 51095/3456, rop[1,6,1,2,2] = 60665/6912, rop[1,6,1,3,1] = -10705/1152, rop[1,6,2,1,2] = -715/144, rop[1,6,2,2,1] = -725/1728, rop[1,6,3,1,1] = 925/864, rop[1,7,1,1,2] = -75845/6912, rop[1,7,1,2,1] = 2485/3456, rop[1,7,2,1,1] = 5495/2304, rop[1,8,1,1,1] = 875/216, rop[2,1,1,1,7] = 1441/432, rop[2,1,1,2,6] = 649/288, rop[2,1,1,3,5] = -1463/864, rop[2,1,1,4,4] = 137599/27648, rop[2,1,1,5,3] = -847/144, rop[2,1,1,6,2] = 21637/3456, rop[2,1,1,7,1] = -8017/864, rop[2,1,2,1,6] = -5995/1728, rop[2,1,2,2,5] = 2233/1728, rop[2,1,2,3,4] = -4235/2304, rop[2,1,2,4,3] = 1925/1728, rop[2,1,2,5,2] = -847/864, rop[2,1,2,6,1] = 133/144, rop[2,1,3,1,5] = 2695/576, rop[2,1,3,2,4] = 9625/13824, rop[2,1,3,3,3] = -1925/1728, rop[2,1,3,4,2] = 385/128, rop[2,1,3,5,1] = -9835/1728, rop[2,1,4,1,4] = -59675/6912, rop[2,1,4,2,3] = 3905/1728, rop[2,1,4,3,2] = -275/72, rop[2,1,4,4,1] = 2155/432, rop[2,1,5,1,3] = 20405/2304, rop[2,1,5,2,2] = 25025/13824, rop[2,1,5,3,1] = -28735/6912, rop[2,1,6,1,2] = -5005/432, rop[2,1,6,2,1] = 35/8, rop[2,1,7,1,1] = 1505/216, rop[2,2,1,1,6] = -7865/1728, rop[2,2,1,2,5] = -77/144, rop[2,2,1,3,4] = -67375/27648, rop[2,2,1,4,3] = 6545/3456, rop[2,2,1,5,2] = -1309/384, rop[2,2,1,6,1] = 11207/1728, rop[2,2,2,1,5] = 4235/1728, rop[2,2,2,2,4] = -5005/55296, rop[2,2,2,3,3] = 385/576, rop[2,2,2,4,2] = 385/13824, rop[2,2,2,5,1] = -175/864, rop[2,2,3,1,4] = -18095/9216, rop[2,2,3,2,3] = -55/216, rop[2,2,3,3,2] = -2585/3456, rop[2,2,3,4,1] = 1615/1152, rop[2,2,4,1,3] = 34265/27648, rop[2,2,4,2,2] = 385/18432, rop[2,2,4,3,1] = 16975/27648, rop[2,2,5,1,2] = 1925/3456, rop[2,2,5,2,1] = -1645/1728, rop[2,2,6,1,1] = -175/384, rop[2,3,1,1,5] = 5929/1728, rop[2,3,1,2,4] = 5005/4608, rop[2,3,1,3,3] = 1925/1728, rop[2,3,1,4,2] = 3311/3456, rop[2,3,1,5,1] = -553/192, rop[2,3,2,1,4] = -1309/6912, rop[2,3,2,2,3] = -55/144, rop[2,3,2,3,2] = 407/864, rop[2,3,2,4,1] = -2605/1728, rop[2,3,3,1,3] = 385/6912, rop[2,3,3,2,2] = 4543/13824, rop[2,3,3,3,1] = -1435/2304, rop[2,3,4,1,2] = -77/72, rop[2,3,4,2,1] = 1225/1728, rop[2,3,5,1,1] = 133/216, rop[2,4,1,1,4] = -35035/13824, rop[2,4,1,2,3] = -1705/1728, rop[2,4,1,3,2] = -1045/1152, rop[2,4,1,4,1] = 1615/1728, rop[2,4,2,1,3] = 1925/4608, rop[2,4,2,2,2] = 385/27648, rop[2,4,2,3,1] = 2065/13824, rop[2,4,3,1,2] = -4235/3456, rop[2,4,3,2,1] = 245/288, rop[2,4,4,1,1] = 3185/3456, rop[2,5,1,1,3] = 275/6912, rop[2,5,1,2,2] = -3905/4608, rop[2,5,1,3,1] = 20245/6912, rop[2,5,2,1,2] = 1045/432, rop[2,5,2,2,1] = -2095/1728, rop[2,5,3,1,1] = -295/288, rop[2,6,1,1,2] = 21175/13824, rop[2,6,1,2,1] = -2765/2304, rop[2,6,2,1,1] = -12775/13824, rop[2,7,1,1,1] = -35/54, rop[3,1,1,1,6] = -1705/576, rop[3,1,1,2,5] = -77/216, rop[3,1,1,3,4] = -23485/13824, rop[3,1,1,4,3] = 385/576, rop[3,1,1,5,2] = -3157/1728, rop[3,1,1,6,1] = 3479/864, rop[3,1,2,1,5] = 2695/1728, rop[3,1,2,2,4] = -1925/9216, rop[3,1,2,3,3] = -385/1728, rop[3,1,2,4,2] = 2695/6912, rop[3,1,2,5,1] = -35/576, rop[3,1,3,1,4] = -45815/13824, rop[3,1,3,2,3] = 55/96, rop[3,1,3,3,2] = -2915/1728, rop[3,1,3,4,1] = 5465/1728, rop[3,1,4,1,3] = 41195/13824, rop[3,1,4,2,2] = 6545/27648, rop[3,1,4,3,1] = 175/4608, rop[3,1,5,1,2] = -385/576, rop[3,1,5,2,1] = -805/864, rop[3,1,6,1,1] = 245/1728, rop[3,2,1,1,5] = -77/144, rop[3,2,1,2,4] = -7315/6912, rop[3,2,1,3,3] = 1925/864, rop[3,2,1,4,2] = -77/32, rop[3,2,1,5,1] = 1673/432, rop[3,2,2,1,4] = 9317/3456, rop[3,2,2,2,3] = -605/864, rop[3,2,2,3,2] = 737/576, rop[3,2,2,4,1] = -755/432, rop[3,2,3,1,3] = -2695/1152, rop[3,2,3,2,2] = -5159/6912, rop[3,2,3,3,1] = 6265/3456, rop[3,2,4,1,2] = 3619/864, rop[3,2,4,2,1] = -1225/576, rop[3,2,5,1,1] = -553/216, rop[3,3,1,1,4] = 5005/2304, rop[3,3,1,2,3] = -55/864, rop[3,3,1,3,2] = 605/432, rop[3,3,1,4,1] = -445/144, rop[3,3,2,1,3] = -7315/6912, rop[3,3,2,2,2] = 385/4608, rop[3,3,2,3,1] = -4445/6912, rop[3,3,3,1,2] = -385/864, rop[3,3,3,2,1] = 245/432, rop[3,3,4,1,1] = 35/144, rop[3,3,4,1,3] = -2365/1152, rop[3,3,4,1,2,2] = -8525/6912, rop[3,3,4,1,3,1] = 6235/3456, rop[3,4,2,1,2] = 55/54, rop[3,4,2,2,1] = 5/576, rop[3,4,3,1,1] = -205/864, rop[3,5,1,1,2] = 4235/2304, rop[3,5,1,2,1] = -1225/3456, rop[3,5,2,1,1] = -3745/6912, rop[3,6,1,1,1] = -35/48, rop[4,1,1,1,5] = 2387/1728, rop[4,1,1,2,4] = 11935/27648, rop[4,1,1,3,3] = 385/288, rop[4,1,1,4,2] = -1309/6912, rop[4,1,1,5,1] = -371/1728, rop[4,1,2,1,4] = 693/512, rop[4,1,2,2,3] = -1045/3456, rop[4,1,2,3,2] = 781/864, 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35/18, rop[5,1,4,1,1] = 1589/864, rop[5,2,1,1,3] = -4565/3456, rop[5,2,1,2,2] = -979/768, rop[5,2,1,3,1] = 7745/3456, rop[5,2,2,1,2] = 209/216, rop[5,2,2,2,1] = -145/1728, rop[5,2,3,1,1] = -41/288, rop[5,3,1,1,2] = 7007/6912, rop[5,3,1,2,1] = -245/1152, rop[5,3,2,1,1] = -1631/6912, rop[5,4,1,1,1] = -\ 7/27, rop[6,1,1,1,3] = -2365/2304, rop[6,1,1,2,2] = -16225/13824, rop[6,1,1,3,1] = 17015/6912, rop[6,1,2,1,2] = 605/432, rop[6,1,2,2,1] = -95/288, rop[6,1,3,1,1] = -295/864, rop[6,2,1,1,2] = 1925/1536, rop[6,2,1,2,1] = -2765/6912, rop[6,2,2,1,1] = -5285/13824, rop[6,3,1,1,1] = -35/96, rop[7,1,1,1,2] = 7645/6912, rop[7,1,1,2,1] = -1625/3456, rop[7,1,2,1,1] = -325/768, rop[7,2,1,1,1] = -325/864, rop[8,1,1,1,1] = -2275/6912, rop[1,1,1,1,1,7] = 1727/864, rop[1,1,1,1,2,6] = 1969/1728, rop[1,1,1,1,3,5] = -2233/864, rop[1,1,1,1,4,4] = 119119/27648, rop[1,1,1,1,5,3] = -539/108, rop[1,1,1,1,6,2] = 13937/3456, rop[1,1,1,1,7,1] = -3397/864, rop[1,1,1,2,1,6] = -7535/1728, rop[1,1,1,2,2,5] = 539/864, 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1,1,2,1,3,4] = -7355/27648, rop[1,1,2,1,4,3] = 11165/3456, rop[1,1,2,1,5,2] = -17941/3456, rop[1,1,2,1,6,1] = 16597/1728, rop[1,1,2,2,1,5] = 1925/864, rop[1,1,2,2,2,4] = -5005/55296, rop[1,1,2,2,3,3] = 1925/864, rop[1,1,2,2,4,2] = -21175/13824, rop[1,1,2,2,5,1] = 3115/1728, rop[1,1,2,3,1,4] = 99715/27648, rop[1,1,2,3,2,3] = -1265/432, rop[1,1,2,3,3,2] = 8195/3456, rop[1,1,2,3,4,1] = -10555/3456, rop[1,1,2,4,1,3] = -156695/27648, rop[1,1,2,4,2,2] = -60445/55296, rop[1,1,2,4,3,1] = 109375/27648, rop[1,1,2,5,1,2] = 34265/3456, rop[1,1,2,5,2,1] = -7805/1728, rop[1,1,2,6,1,1] = -21595/3456, rop[1,1,3,1,1,5] = 19789/1728, rop[1,1,3,1,2,4] = 82775/13824, rop[1,1,3,1,3,3] = -6545/1728, rop[1,1,3,1,4,2] = 33341/3456, rop[1,1,3,1,5,1] = -31157/1728, rop[1,1,3,2,1,4] = -62909/6912, rop[1,1,3,2,2,3] = 55/108, rop[1,1,3,2,3,2] = -4961/1728, rop[1,1,3,2,4,1] = 5095/1728, rop[1,1,3,3,1,3] = 46585/6912, rop[1,1,3,3,2,2] = 38423/13824, rop[1,1,3,3,3,1] = -35105/6912, rop[1,1,3,4,1,2] = -8239/864, rop[1,1,3,4,2,1] = 875/216, rop[1,1,3,5,1,1] = 2191/432, rop[1,1,4,1,1,4] = -201355/13824, rop[1,1,4,1,2,3] = -5555/1728, rop[1,1,4,1,3,2] = -25465/3456, rop[1,1,4,1,4,1] = 24715/1728, rop[1,1,4,2,1,3] = 55055/13824, rop[1,1,4,2,2,2] = -18095/27648, rop[1,1,4,2,3,1] = 63665/13824, rop[1,1,4,3,1,2] = 13475/3456, rop[1,1,4,3,2,1] = -3115/864, rop[1,1,4,4,1,1] = -8365/3456, rop[1,1,5,1,1,3] = 101915/6912, rop[1,1,5,1,2,2] = 133045/13824, rop[1,1,5,1,3,1] = -84475/6912, rop[1,1,5,2,1,2] = -1595/216, rop[1,1,5,2,2,1] = 685/864, rop[1,1,5,3,1,1] = 905/432, rop[1,1,6,1,1,2] = -172865/13824, rop[1,1,6,1,2,1] = 13265/6912, rop[1,1,6,2,1,1] = 45745/13824, rop[1,1,7,1,1,1] = 1015/216, rop[1,2,1,1,1,6] = 3355/1728, rop[1,2,1,1,2,5] = 5929/1728, rop[1,2,1,1,3,4] = 13475/13824, rop[1,2,1,1,4,3] = -385/216, rop[1,2,1,1,5,2] = 1001/216, rop[1,2,1,1,6,1] = -17297/1728, rop[1,2,1,2,1,5] = 7315/1728, rop[1,2,1,2,2,4] = 37345/27648, rop[1,2,1,2,3,3] = -6545/1728, rop[1,2,1,2,4,2] = 39655/6912, rop[1,2,1,2,5,1] = -17045/1728, rop[1,2,1,3,1,4] = -187495/13824, rop[1,2,1,3,2,3] = 8305/1728, rop[1,2,1,3,3,2] = -1375/216, rop[1,2,1,3,4,1] = 895/108, rop[1,2,1,4,1,3] = 207515/13824, rop[1,2,1,4,2,2] = 92785/27648, rop[1,2,1,4,3,1] = -116515/13824, rop[1,2,1,5,1,2] = -36575/1728, rop[1,2,1,5,2,1] = 455/54, rop[1,2,1,6,1,1] = 21805/1728, rop[1,2,2,1,1,5] = -12089/1728, rop[1,2,2,1,2,4] = -36575/6912, rop[1,2,2,1,3,3] = 7315/1728, rop[1,2,2,1,4,2] = -1771/216, rop[1,2,2,1,5,1] = 24787/1728, rop[1,2,2,2,1,4] = 20867/3456, rop[1,2,2,2,2,3] = -1595/1728, rop[1,2,2,2,3,2] = 3751/1728, rop[1,2,2,2,4,1] = -4175/1728, rop[1,2,2,3,1,3] = -16555/3456, rop[1,2,2,3,2,2] = -14399/6912, rop[1,2,2,3,3,1] = 14735/3456, rop[1,2,2,4,1,2] = 3157/432, rop[1,2,2,4,2,1] = -175/54, rop[1,2,2,5,1,1] = -3367/864, rop[1,2,3,1,1,4] = 53515/6912, rop[1,2,3,1,2,3] = 3355/1728, rop[1,2,3,1,3,2] = 3905/864, rop[1,2,3,1,4,1] = -16505/1728, rop[1,2,3,2,1,3] = -8855/6912, rop[1,2,3,2,2,2] = 13475/13824, rop[1,2,3,2,3,1] = -27545/6912, rop[1,2,3,3,1,2] = -8855/1728, rop[1,2,3,3,2,1] = 3185/864, rop[1,2,3,4,1,1] = 5425/1728, rop[1,2,4,1,1,3] = -30965/3456, rop[1,2,4,1,2,2] = -48565/6912, rop[1,2,4,1,3,1] = 36265/3456, rop[1,2,4,2,1,2] = 1375/216, rop[1,2,4,2,2,1] = -335/216, rop[1,2,4,3,1,1] = -1745/864, rop[1,2,5,1,1,2] = 57365/6912, rop[1,2,5,1,2,1] = -7385/3456, rop[1,2,5,2,1,1] = -17605/6912, rop[1,2,6,1,1,1] = -2555/864, rop[1,3,1,1,1,5] = -10703/1728, rop[1,3,1,1,2,4] = -135905/27648, rop[1,3,1,1,3,3] = 1925/864, rop[1,3,1,1,4,2] = -49049/6912, rop[1,3,1,1,5,1] = 25039/1728, rop[1,3,1,2,1,4] = 49511/13824, rop[1,3,1,2,2,3] = -5665/3456, rop[1,3,1,2,3,2] = 1177/1728, rop[1,3,1,2,4,1] = 6635/3456, rop[1,3,1,3,1,3] = -62755/13824, rop[1,3,1,3,2,2] = -69377/27648, rop[1,3,1,3,3,1] = 95795/13824, rop[1,3,1,4,1,2] = 5929/432, rop[1,3,1,4,2,1] = -27265/3456, rop[1,3,1,5,1,1] = -14483/1728, rop[1,3,2,1,1,4] = 134365/27648, rop[1,3,2,1,2,3] = 55/108, rop[1,3,2,1,3,2] = 16885/6912, rop[1,3,2,1,4,1] = -2965/864, rop[1,3,2,2,1,3] = -52745/27648, rop[1,3,2,2,2,2] = -11935/55296, rop[1,3,2,2,3,1] = 20545/27648, rop[1,3,2,3,1,2] = 30415/6912, rop[1,3,2,3,2,1] = -4655/1728, rop[1,3,2,4,1,1] = -21455/6912, rop[1,3,3,1,1,3] = 17215/13824, rop[1,3,3,1,2,2] = 74525/27648, rop[1,3,3,1,3,1] = -86015/13824, rop[1,3,3,2,1,2] = -8305/1728, rop[1,3,3,2,2,1] = 7915/3456, rop[1,3,3,3,1,1] = 1675/864, rop[1,3,4,1,1,2] = -92785/27648, rop[1,3,4,1,2,1] = 25585/13824, rop[1,3,4,2,1,1] = 42665/27648, rop[1,3,5,1,1,1] = 2135/1728, rop[1,4,1,1,1,4] = 53977/6912, rop[1,4,1,1,2,3] = 935/216, rop[1,4,1,1,3,2] = 10153/1728, rop[1,4,1,1,4,1] = -745/54, rop[1,4,1,2,1,3] = 16555/6912, rop[1,4,1,2,2,2] = 51821/13824, rop[1,4,1,2,3,1] = -72275/6912, rop[1,4,1,3,1,2] = -11473/864, rop[1,4,1,3,2,1] = 12985/1728, rop[1,4,1,4,1,1] = 6209/864, rop[1,4,2,1,1,3] = -23045/3456, rop[1,4,2,1,2,2] = -38071/6912, rop[1,4,2,1,3,1] = 24685/3456, rop[1,4,2,2,1,2] = 4367/1728, rop[1,4,2,2,2,1] = -145/1728, rop[1,4,2,3,1,1] = -631/1728, rop[1,4,3,1,1,2] = 25487/6912, rop[1,4,3,1,2,1] = -1505/3456, rop[1,4,3,2,1,1] = -4711/6912, rop[1,4,4,1,1,1] = -1603/1728, rop[1,5,1,1,1,2] = -59455/6912, rop[1,5,1,1,2,2] = -105545/13824, rop[1,5,1,1,3,1] = 72455/6912, rop[1,5,1,2,1,2] = 110/27, rop[1,5,1,2,2,1] = -955/1728, rop[1,5,1,3,1,1] = -85/108, rop[1,5,2,1,1,2] = 69685/13824, rop[1,5,2,1,2,1] = -5845/6912, rop[1,5,2,2,1,1] = -14525/13824, rop[1,5,3,1,1,1] = -1085/864, rop[1,6,1,1,1,2] = 41525/6912, rop[1,6,1,1,2,1] = -3935/3456, rop[1,6,1,2,1,1] = -9085/6912, rop[1,6,2,1,1,1] = -2575/1728, rop[1,7,1,1,1,1] = -11515/6912, rop[2,1,1,1,1,6] = 935/864, rop[2,1,1,1,2,5] = 3157/1728, rop[2,1,1,1,3,4] = 16555/27648, rop[2,1,1,1,4,3] = -2695/3456, rop[2,1,1,1,5,2] = 8393/3456, rop[2,1,1,1,6,1] = -9611/1728, rop[2,1,1,2,1,5] = 1925/864, rop[2,1,1,2,2,4] = 43505/55296, rop[2,1,1,2,3,3] = -385/216, rop[2,1,1,2,4,2] = 41195/13824, rop[2,1,1,2,5,1] = -9485/1728, rop[2,1,1,3,1,4] = -184415/27648, rop[2,1,1,3,2,3] = 4345/1728, rop[2,1,1,3,3,2] = -10615/3456, rop[2,1,1,3,4,1] = 12395/3456, rop[2,1,1,4,1,3] = 210595/27648, rop[2,1,1,4,2,2] = 98945/55296, rop[2,1,1,4,3,1] = -131915/27648, rop[2,1,1,5,1,2] = -41965/3456, rop[2,1,1,5,2,1] = 9205/1728, rop[2,1,1,6,1,1] = 25655/3456, rop[2,1,2,1,1,5] = -1463/432, rop[2,1,2,1,2,4] = -35035/13824, rop[2,1,2,1,3,3] = 1925/864, rop[2,1,2,1,4,2] = -13783/3456, rop[2,1,2,1,5,1] = 11431/1728, rop[2,1,2,2,1,4] = 21637/6912, rop[2,1,2,2,2,3] = -605/1728, rop[2,1,2,2,3,2] = 517/432, rop[2,1,2,2,4,1] = -1525/864, rop[2,1,2,3,1,3] = -15785/6912, rop[2,1,2,3,2,2] = -12859/13824, rop[2,1,2,3,3,1] = 10885/6912, rop[2,1,2,4,1,2] = 3619/1728, rop[2,1,2,4,2,1] = -875/1728, rop[2,1,2,5,1,1] = -721/864, rop[2,1,3,1,1,4] = 55055/13824, rop[2,1,3,1,2,3] = 935/864, rop[2,1,3,1,3,2] = 8195/3456, rop[2,1,3,1,4,1] = -9215/1728, rop[2,1,3,2,1,3] = -7315/13824, rop[2,1,3,2,2,2] = 16555/27648, rop[2,1,3,2,3,1] = -35245/13824, rop[2,1,3,3,1,2] = -14245/3456, rop[2,1,3,3,2,1] = 2555/864, rop[2,1,3,4,1,1] = 9275/3456, rop[2,1,4,1,1,3] = -45595/6912, rop[2,1,4,1,2,2] = -77825/13824, rop[2,1,4,1,3,1] = 63215/6912, rop[2,1,4,2,1,2] = 10505/1728, rop[2,1,4,2,2,1] = -3265/1728, rop[2,1,4,3,1,1] = -1835/864, rop[2,1,5,1,1,2] = 97405/13824, rop[2,1,5,1,2,1] = -15085/6912, rop[2,1,5,2,1,1] = -33005/13824, rop[2,1,6,1,1,1] = -707/27, rop[2,2,1,1,1,5] = -5159/1728, rop[2,2,1,1,2,4] = -129745/55296, rop[2,2,1,1,3,3] = 4235/3456, rop[2,2,1,1,4,2] = -47509/13824, rop[2,2,1,1,5,1] = 11557/1728, rop[2,2,1,2,1,4] = 52591/27648, rop[2,2,1,2,2,3] = -4895/6912, rop[2,2,1,2,3,2] = 781/1728, rop[2,2,1,2,4,1] = 2785/6912, rop[2,2,1,3,1,3] = -59675/27648, rop[2,2,1,3,2,2] = -63217/55296, rop[2,2,1,3,3,1] = 80395/27648, rop[2,2,1,4,1,2] = 9163/1728, rop[2,2,1,4,2,1] = -19565/6912, rop[2,2,1,5,1,1] = -10633/3456, rop[2,2,2,1,1,4] = 140525/55296, rop[2,2,2,1,2,3] = 1265/3456, rop[2,2,2,1,3,2] = 18425/13824, rop[2,2,2,1,4,1] = -7855/3456, rop[2,2,2,2,1,3] = -46585/55296, rop[2,2,2,2,2,2] = 385/110592, rop[2,2,2,2,3,1] = -10255/55296, rop[2,2,2,3,1,2] = 8855/13824, rop[2,2,2,3,2,1] = -805/3456, rop[2,2,2,4,1,1] = -6055/13824, rop[2,2,3,1,1,3] = -41305/27648, rop[2,2,3,1,2,2] = -42515/55296, rop[2,2,3,1,3,1] = 21785/27648, rop[2,2,3,2,1,2] = 1705/3456, rop[2,2,3,2,2,1] = 215/6912, rop[2,2,3,3,1,1] = -125/864, rop[2,2,4,1,1,2] = 67375/55296, rop[2,2,4,1,2,1] = -5215/27648, rop[2,2,4,2,1,1] = -18935/55296, rop[2,2,5,1,1,1] = -1715/3456, rop[2,3,1,1,1,4] = 32417/13824, rop[2,3,1,1,2,3] = 1045/1728, rop[2,3,1,1,3,2] = 4763/3456, rop[2,3,1,1,4,1] = -1055/432, rop[2,3,1,2,1,3] = -5005/13824, rop[2,3,1,2,2,2] = 8701/27648, rop[2,3,1,2,3,1] = -10675/13824, rop[2,3,1,3,1,2] = 539/3456, rop[2,3,1,3,2,1] = -245/1728, rop[2,3,1,4,1,1] = -1057/3456, rop[2,3,2,1,1,3] = -3025/6912, rop[2,3,2,1,2,2] = 1969/13824, rop[2,3,2,1,3,1] = -6115/6912, rop[2,3,2,2,1,2] = -737/864, rop[2,3,2,2,2,1] = 445/864, rop[2,3,2,3,1,1] = 647/1728, rop[2,3,3,1,1,2] = -3773/13824, rop[2,3,3,1,2,1] = 2345/6912, rop[2,3,3,2,1,1] = 2989/13824, rop[2,3,4,1,1,1] = 161/1728, rop[2,4,1,1,1,3] = -19415/13824, rop[2,4,1,1,2,2] = -25465/27648, rop[2,4,1,1,3,1] = 10855/13824, rop[2,4,1,2,1,2] = -275/3456, rop[2,4,1,2,2,1] = 485/1728, rop[2,4,1,3,1,1] = 565/3456, rop[2,4,2,1,1,2] = 11165/27648, rop[2,4,2,1,2,1] = 1855/13824, rop[2,4,2,2,1,1] = 875/27648, rop[2,4,3,1,1,1] = -245/3456, rop[2,5,1,1,1,2] = 12265/13824, rop[2,5,1,1,2,1] = -85/6912, rop[2,5,1,2,1,1] = -1385/13824, rop[2,5,2,1,1,1] = -325/1728, rop[2,6,1,1,1,1] = -3815/13824, rop[3,1,1,1,1,5] = -3311/1728, rop[3,1,1,1,2,4] = -41195/27648, rop[3,1,1,1,3,3] = 385/432, rop[3,1,1,1,4,2] = -15323/6912,

rop[3,1,1,5,1] = 7063/1728, rop[3,1,1,2,1,4] = 18557/13824, rop[3,1,1,2,2,3] = -1375/3456, rop[3,1,1,2,3,2] = 649/1728, rop[3,1,1,2,4,1] = -355/3456, rop[3,1,1,3,1,3] = -18865/13824, rop[3,1,1,3,2,2] = -19019/27648, rop[3,1,1,3,3,1] = 21665/13824, rop[3,1,1,4,1,2] = 539/216, rop[3,1,1,4,2,1] = -3955/3456, rop[3,1,1,5,1,1] = -2261/1728, rop[3,1,2,1,1,4] = 48895/27648, rop[3,1,2,1,2,3] = 275/864, rop[3,1,2,1,3,2] = 6655/6912, rop[3,1,2,1,4,1] = -815/432, rop[3,1,2,2,1,3] = -13475/27648, rop[3,1,2,2,2,2] = 4235/55296, rop[3,1,2,2,3,1] = -13685/27648, rop[3,1,2,3,1,2] = -4235/6912, rop[3,1,2,3,2,1] = 1015/1728, rop[3,1,2,4,1,1] = 3115/6912, rop[3,1,3,1,1,3] = -33275/13824, rop[3,1,3,1,2,2] = -53185/27648, rop[3,1,3,1,3,1] = 43195/13824, rop[3,1,3,2,1,2] = 3905/1728, rop[3,1,3,2,2,1] = -2495/3456, rop[3,1,3,3,1,1] = -725/864, rop[3,1,4,1,1,2] = 75845/27648, rop[3,1,4,1,2,1] = -12005/13824, rop[3,1,4,2,1,1] = -26845/27648, rop[3,1,5,1,1,1] = -1855/1728, rop[3,2,1,1,1,4] = 3619/6912, rop[3,2,1,1,2,3] = -275/432, rop[3,2,1,1,3,2] = -209/1728, rop[3,2,1,1,4,1] = 145/108, rop[3,2,1,2,1,3] = -8855/6912, rop[3,2,1,2,2,2] = -11473/13824, rop[3,2,1,2,3,1] = 16975/6912, rop[3,2,1,3,1,2] = 1001/216, rop[3,2,1,3,2,1] = -6655/1728, rop[3,2,1,4,1,1] = -1211/432, rop[3,2,2,1,1,3] = 5665/3456, rop[3,2,2,1,2,2] = 14003/6912, rop[3,2,2,1,3,1] = -12305/3456, rop[3,2,2,2,1,2] = -3421/1728, rop[3,2,2,2,2,1] = 1235/1728, rop[3,2,2,3,1,1] = 1073/1728, rop[3,2,3,1,1,2] = -11011/6912, rop[3,2,3,1,2,1] = 2065/3456, rop[3,2,3,2,1,1] = 3563/6912, rop[3,2,4,1,1,1] = 749/1728, rop[3,3,1,1,1,3] = 6875/6912, rop[3,3,1,1,2,2] = 18205/13824, rop[3,3,1,1,3,1] = -16915/6912, rop[3,3,1,2,1,2] = -1265/864, rop[3,3,1,2,2,1] = 965/1728, rop[3,3,1,3,1,1] = 415/864, rop[3,3,2,1,1,2] = -15785/13824, rop[3,3,2,1,2,1] = 3185/6912, rop[3,3,2,2,1,1] = 5425/13824, rop[3,3,3,1,1,1] = 35/108, rop[3,4,1,1,1,2] = -5665/6912, rop[3,4,1,1,2,1] = 1255/3456, rop[3,4,1,2,1,1] = 2105/6912, rop[3,4,2,1,1,1] = 425/1728, rop[3,5,1,1,1,1] = 1295/6912, rop[4,1,1,1,1,4] = 26257/27648, rop[4,1,1,1,2,3] = 275/3456, rop[4,1,1,1,3,2] = 3223/6912, rop[4,1,1,1,4,1] = -1525/3456, rop[4,1,1,2,1,3] = -11165/27648, rop[4,1,1,2,2,2] = -3619/55296, rop[4,1,1,2,3,1] = 10885/27648, rop[4,1,1,3,1,2] = 10549/6912, rop[4,1,1,3,2,1] = -3325/3456, rop[4,1,1,4,1,1] = -7217/6912, rop[4,1,2,1,1,3] = 9295/13824, rop[4,1,2,1,2,2] = 26609/27648, rop[4,1,2,1,3,1] = -26135/13824, rop[4,1,2,2,1,2] = -4169/3456, rop[4,1,2,2,2,1] = 415/864, rop[4,1,3,1,1,1] = 1417/3456, rop[4,1,3,1,1,2] = -25333/27648, rop[4,1,3,1,2,1] = 5425/13824, rop[4,1,3,2,1,1] = 9149/27648, rop[4,1,4,1,1,1] = 931/3456, rop[4,2,1,1,1,3] = 5225/27648, rop[4,2,1,1,2,2] = 23815/55296, rop[4,2,1,1,3,1] = -29185/27648, rop[4,2,1,2,1,2] = -5665/6912, rop[4,2,1,2,2,1] = 1255/3456, rop[4,2,1,3,1,1] = 2105/6912, rop[4,2,2,1,1,2] = -31955/55296, rop[4,2,2,1,2,1] = 8015/27648, rop[4,2,2,2,1,1] = 13195/55296, rop[4,2,3,1,1,1] = 1295/6912, rop[4,3,1,1,1,2] = -9295/27648, rop[4,3,1,1,2,1] = 2995/13824, rop[4,3,1,2,1,1] = 4775/27648, rop[4,3,2,1,1,1] = 445/3456, rop[4,4,1,1,1,1] = 2345/27648, rop[5,1,1,1,1,3] = -2035/6912, rop[5,1,1,1,2,2] = -1397/13824, rop[5,1,1,1,3,1] = -1525/6912, rop[5,1,1,2,1,2] = -187/432, rop[5,1,1,2,2,1] = 425/1728, rop[5,1,1,3,1,1] = 43/216, rop[5,1,2,1,1,2] = -3311/13824, rop[5,1,2,1,2,1] = 1295/6912, rop[5,1,2,2,1,1] = 2023/13824, rop[5,1,3,1,1,1] = 91/864, rop[5,2,1,1,1,2] = -319/6912, rop[5,2,1,1,2,1] = 445/3456, rop[5,2,1,2,1,1] = 647/6912, rop[5,2,2,1,1,1] = 101/1728, rop[5,3,1,1,1,1] = 161/6912, rop[6,1,1,1,1,2] = 2035/13824, rop[6,1,1,1,2,1] = 485/6912, rop[6,1,1,2,1,1] = 565/13824, rop[6,1,2,1,1,1] = 5/432, rop[6,2,1,1,1,1] = -245/13824, rop[7,1,1,1,1,1] = -325/6912, rop[1,1,1,1,1,6] = 55/64, rop[1,1,1,1,1,2,5] = 77/48, rop[1,1,1,1,1,3,4] = 385/1024, rop[1,1,1,1,1,4,3] = -385/384, rop[1,1,1,1,1,5,2] = 847/384, rop[1,1,1,1,1,6,1] = -427/96, rop[1,1,1,1,2,1,5] = 385/192, rop[1,1,1,1,2,2,4] = 1155/2048, rop[1,1,1,1,2,3,3] = -385/192, rop[1,1,1,1,2,4,2] = 4235/1536, rop[1,1,1,1,2,5,1] = -35/8, rop[1,1,1,1,3,1,4] = -21175/3072, rop[1,1,1,1,3,2,3] = 55/24, rop[1,1,1,1,3,3,2] = -1265/384, rop[1,1,1,1,3,4,1] = 1805/384, rop[1,1,1,1,4,1,3] = 22715/3072, rop[1,1,1,1,4,2,2] = 9625/6144, rop[1,1,1,1,4,3,1] = -3745/1024, rop[1,1,1,1,5,1,2] = -1155/128, rop[1,1,1,1,5,2,1] = 595/192, rop[1,1,1,1,6,1,1] = 665/128, rop[1,1,1,1,2,1,1,5] = -231/64, rop[1,1,1,1,2,1,2,4] = -4235/1536, rop[1,1,1,1,2,1,3,3] = 385/192, rop[1,1,1,1,2,1,4,2] = -539/128, rop[1,1,1,1,2,1,5,1] = 371/48, rop[1,1,1,1,2,2,1,4] = 2233/768, rop[1,1,1,1,2,2,2,3] = -55/96, rop[1,1,1,1,2,2,3,2] = 187/192, rop[1,1,1,1,2,2,4,1] = -125/192, rop[1,1,1,1,2,3,1,3] = -1925/768, rop[1,1,1,1,2,3,2,2] = -1771/1536, rop[1,1,1,1,2,3,3,1] = 2065/768, rop[1,1,1,1,2,4,1,2] = 1001/192, rop[1,1,1,1,2,4,2,1] = -175/64, rop[1,1,1,1,2,5,1,1] = -49/16, rop[1,1,1,1,3,1,1,4] = 1925/512, rop[1,1,1,1,3,1,2,3] = 55/64, rop[1,1,1,1,3,1,3,2] = 275/128, rop[1,1,1,1,3,1,4,1] = -135/32, rop[1,1,1,1,3,2,1,3] = -385/512, rop[1,1,1,1,3,2,2,2] = 385/1024, rop[1,1,1,1,3,2,3,1] = -735/512, rop[1,1,1,1,3,3,1,2] = -385/384, rop[1,1,1,1,3,3,2,1] = 35/48, rop[1,1,1,1,3,4,1,1] = 175/384, rop[1,1,1,1,4,1,1,3] = -605/256, rop[1,1,1,1,4,1,2,2] = -715/512, rop[1,1,1,1,4,1,3,1] = 345/256, rop[1,1,1,1,4,2,1,2] = 55/192, rop[1,1,1,1,4,2,2,1] = 65/192, rop[1,1,1,1,4,3,1,1] = 5/48, rop[1,1,1,1,5,1,1,2] = 1925/1536, rop[1,1,1,1,5,1,2,1] = 35/768, rop[1,1,1,1,5,2,1,1] = -245/1536, rop[1,1,1,1,6,1,1,1] = -35/96, rop[1,1,2,1,1,1,5] = -77/24, rop[1,1,2,1,1,2,4] = -15785/6144, rop[1,1,2,1,1,3,3] = 385/384, rop[1,1,2,1,1,4,2] = -5621/1536, rop[1,1,2,1,1,5,1] = 749/96, rop[1,1,2,1,2,1,4] = 5159/3072, rop[1,1,2,1,2,2,3] = -715/768, rop[1,1,2,1,2,3,2] = 11/48, rop[1,1,2,1,2,4,1] = 1165/768, rop[1,1,2,1,3,1,3] = -7315/3072, rop[1,1,2,1,3,2,2] = -8393/6144, rop[1,1,2,1,3,3,1] = 12355/3072, rop[1,1,2,1,4,1,2] = 539/64, rop[1,1,2,1,4,2,1] = -1295/256, rop[1,1,2,1,5,1,1] = -679/128, rop[1,1,2,2,1,1,4] = 14245/6144, rop[1,1,2,2,1,2,3] = 55/384, rop[1,1,2,2,1,3,2] = 1705/1536, rop[1,1,2,2,1,4,1] = -445/384, rop[1,1,2,2,2,1,3] = -6545/6144, rop[1,1,2,2,2,2,2] = -2695/12288, rop[1,1,2,2,2,3,1] = 5705/6144, rop[1,1,2,2,3,1,2] = 1925/512, rop[1,1,2,2,3,2,1] = -315/128, rop[1,1,2,2,4,1,1] = -1365/512, rop[1,1,2,3,1,1,3] = 2805/1024, rop[1,1,2,3,1,2,2] = 7095/2048, rop[1,1,2,3,1,3,1] = -21535/3072, rop[1,1,2,3,2,1,2] = -2035/384, rop[1,1,2,3,2,2,1] = 1735/768, rop[1,1,2,3,3,1,1] = 25/12, rop[1,1,2,4,1,1,2] = -28105/6144, rop[1,1,2,4,1,2,1] = 6265/3072, rop[1,1,2,4,2,1,1] = 11585/6144, rop[1,1,2,5,1,1,1] = 665/384, rop[1,1,3,1,1,1,4] = 8393/1536, rop[1,1,3,1,1,2,3] = 715/192, rop[1,1,3,1,1,3,2] = 1727/384, rop[1,1,3,1,1,4,1] = -545/48, rop[1,1,3,1,2,1,3] = 4235/1536, rop[1,1,3,1,2,2,2] = 10549/3072, rop[1,1,3,1,2,3,1] = -14875/1536, rop[1,1,3,1,3,1,2] = -5159/384, rop[1,1,3,1,3,2,1] = 245/32, rop[1,1,3,1,4,1,1] = 959/128, rop[1,1,3,2,1,1,3] = -1595/256, rop[1,1,3,2,1,2,2] = -2893/512, rop[1,1,3,2,1,3,1] = 2055/256, rop[1,1,3,2,2,1,2] = 649/192, rop[1,1,3,2,2,2,1] = -115/192, rop[1,1,3,2,3,1,1] = -71/96, rop[1,1,3,3,1,1,2] = 6083/1536, rop[1,1,3,3,1,2,1] = -595/768, rop[1,1,3,3,2,1,1] = -1379/1536, rop[1,1,3,4,1,1,1] = -49/48, rop[1,1,4,1,1,1,3] = -3685/512, rop[1,1,4,1,1,2,2] = -6875/1024, rop[1,1,4,1,1,3,1] = 4965/512, rop[1,1,4,1,2,1,2] = 1595/384, rop[1,1,4,1,2,2,1] = -5/6, rop[1,1,4,1,3,1,1] = -365/384, rop[1,1,4,2,1,1,2] = 14245/3072, rop[1,1,4,2,1,2,1] = -1505/1536, rop[1,1,4,2,2,1,1] = -3325/3072, rop[1,1,4,3,1,1,1] = -455/384, rop[1,1,5,1,1,1,2] = 7865/1536, rop[1,1,5,1,1,2,1] = -865/768, rop[1,1,5,1,2,1,1] = -1865/1536, rop[1,1,5,2,1,1,1] = -125/96, rop[1,1,6,1,1,1,1] = -2135/1536, rop[1,2,1,1,1,1,5] = -77/96, rop[1,2,1,1,1,2,4] = -385/1024, rop[1,2,1,1,1,3,3] = 385/192, rop[1,2,1,1,1,4,2] = -847/768, rop[1,2,1,1,1,5,1] = -7/48, rop[1,2,1,1,2,1,4] = 3773/1536, rop[1,2,1,1,2,2,3] = 275/384, rop[1,2,1,1,2,3,2] = 143/96, rop[1,2,1,1,2,4,1] = -555/128, rop[1,2,1,1,3,1,3] = -385/1536, rop[1,2,1,1,3,2,2] = 1309/3072, rop[1,2,1,1,3,3,1] = -1365/512, rop[1,2,1,1,4,1,2] = -77/12, rop[1,2,1,1,4,2,1] = 595/128, rop[1,2,1,1,5,1,1] = 287/64, rop[1,2,1,2,1,1,4] = 8855/3072, rop[1,2,1,2,1,2,3] = 275/192, rop[1,2,1,2,1,3,2] = 1595/768, rop[1,2,1,2,1,4,1] = -1175/192, rop[1,2,1,2,2,1,3] = 1925/3072, rop[1,2,1,2,2,2,2] = 7315/6144, rop[1,2,1,2,2,3,1] = -14525/3072, rop[1,2,1,2,3,1,2] = -7315/768, rop[1,2,1,2,3,2,1] = 1225/192, rop[1,2,1,2,4,1,1] = 4795/768, rop[1,2,1,3,1,1,2] = -5225/512, rop[1,2,1,3,1,2,2] = -9955/1024, rop[1,2,1,3,1,3,1] = 25675/1536, rop[1,2,1,3,2,1,2] = 715/64, rop[1,2,1,3,2,2,1] = -1475/384, rop[1,2,1,3,3,1,1] = -95/24, rop[1,2,1,4,1,1,2] = 11935/1024, rop[1,2,1,4,1,2,1] = -6125/1536, rop[1,2,1,4,2,1,1] = -12565/3072, rop[1,2,1,5,1,1,1] = -805/192, rop[1,2,2,1,1,1,4] = -1309/768, rop[1,2,2,1,1,2,2] = -275/96, rop[1,2,2,1,1,3,2] = -451/192, rop[1,2,2,1,1,4,1] = 685/96, rop[1,2,2,1,2,1,3] = -2695/768, rop[1,2,2,1,2,2,1] = -4697/1536, rop[1,2,2,1,2,3,1] = 6335/768, rop[1,2,2,1,3,1,2] = 2387/192, rop[1,2,2,1,3,2,1] = -665/96, rop[1,2,2,1,4,1,1] = -1351/192, rop[1,2,2,2,1,1,3] = 495/128, rop[1,2,2,2,1,2,2] = 1089/256, rop[1,2,2,2,1,3,1] = -855/128, rop[1,2,2,2,2,1,2] = -99/32, rop[1,2,2,2,2,2,1] = 15/16, rop[1,2,2,2,3,1,1] = 27/32, rop[1,2,2,3,1,1,2] = -693/256, rop[1,2,2,3,1,2,1] = 105/128, rop[1,2,2,3,2,1,1] = 189/256, rop[1,2,2,4,1,1,1] = 21/32, rop[1,2,3,1,1,1,3] = 825/256, rop[1,2,3,1,1,2,2] = 1815/512, rop[1,2,3,1,1,3,1] = -1425/256, rop[1,2,3,1,2,1,2] = -165/64, rop[1,2,3,1,2,2,1] = 25/32, rop[1,2,3,1,3,1,1] = 45/64, rop[1,2,3,2,1,1,2] = -1155/512, rop[1,2,3,2,1,2,1] = 175/256, rop[1,2,3,2,2,1,1] = 315/512, rop[1,2,3,3

,1,1,1] = 35/64, rop[1,2,4,1,1,2] = -495/256, rop[1,2,4,1,1,2,1] = 75/128, rop[1,2,4,1,2,1,1] = 135/256, rop[1,2,4,2,1,1,2] = 15/32, rop[1,2,5,1,1,1,1,1] = 105/256, rop[1,3,1,1,1,1,4] = -1309/1024, rop[1,3,1,1,1,2,3] = -275/128, rop[1,3,1,1,1,3,1] = -451/256, rop[1,3,1,1,1,4,1] = 685/128, rop[1,3,1,1,2,1,3] = -2695/1024, rop[1,3,1,1,2,2,2] = -4697/2048, rop[1,3,1,1,2,3,1] = 6335/1024, rop[1,3,1,1,3,1,2] = 2387/256, rop[1,3,1,1,3,2,1] = -665/128, rop[1,3,1,1,4,1,1] = -1351/256, rop[1,3,1,2,1,1,3] = 1485/512, rop[1,3,1,2,1,2,2] = 3267/1024, rop[1,3,1,2,1,3,1] = -2565/512, rop[1,3,1,2,2,1,2] = -297/128, rop[1,3,1,2,2,2,1] = 45/64, rop[1,3,1,2,3,1,1] = 81/128, rop[1,3,1,3,1,1,2] = -2079/1024, rop[1,3,1,3,1,2,1] = 315/512, rop[1,3,1,3,2,1,1] = 567/1024, rop[1,3,1,4,1,1,1] = 63/128, rop[1,3,2,1,1,1,3] = 2475/1024, rop[1,3,2,1,1,2,2] = 5445/2048, rop[1,3,2,1,1,3,1] = -4275/1024, rop[1,3,2,1,2,1,2] = -495/256, rop[1,3,2,1,2,2,1] = 75/128, rop[1,3,2,1,3,1,1] = 135/256, rop[1,3,2,2,1,1,2] = -3465/2048, rop[1,3,2,2,1,2,1] = 525/1024, rop[1,3,2,2,2,1,1] = 945/2048, rop[1,3,2,3,1,1,1] = 105/256, rop[1,3,3,1,1,1,2] = -1485/1024, rop[1,3,3,1,1,2,1] = 225/512, rop[1,3,3,1,2,1,1] = 405/1024, rop[1,3,3,2,1,1,1] = 45/128, rop[1,3,4,1,1,1,1] = 315/1024, rop[1,4,1,1,1,1,3] = 495/256, rop[1,4,1,1,1,2,2] = 1089/512, rop[1,4,1,1,1,3,1] = -855/256, rop[1,4,1,1,2,1,2] = -99/64, rop[1,4,1,2,2,1] = 15/32, rop[1,4,1,3,1,1] = 27/64, rop[1,4,1,4,1,1,2] = -693/512, rop[1,4,1,4,2,1,2] = 105/256, rop[1,4,1,4,2,2,1] = 189/512, rop[1,4,1,4,2,2,1,1] = 189/512, rop[1,4,1,3,1,1,1] = 21/64, rop[1,4,2,1,1,1,2] = -297/256, rop[1,4,2,1,1,2,1] = 45/128, rop[1,4,2,1,2,1] = 81/256, rop[1,4,2,1,2,1,1] = 81/256, rop[1,4,2,1,1,1] = 9/32, rop[1,4,3,1,1,1,1] = 63/256, rop[1,5,1,1,1,1,2] = -495/512, rop[1,5,1,1,1,2,1] = 75/256, rop[1,5,1,1,2,1,1] = 135/512, rop[1,5,1,2,1,1,1] = 15/64, rop[1,5,2,1,1,1,1] = 105/512, rop[1,6,1,1,1,1,1] = 45/256, rop[2,1,1,1,1,1,5] = -77/192, rop[2,1,1,1,1,2,4] = -385/2048, rop[2,1,1,1,1,3,3] = 385/384, rop[2,1,1,1,1,4,2] = -847/1536, rop[2,1,1,1,1,5,1] = -7/96, rop[2,1,1,1,2,1,4] = 3773/3072, rop[2,1,1,1,2,2,3] = 275/768, rop[2,1,1,1,2,3,2] = 143/192, rop[2,1,1,1,2,4,1] = -555/256, rop[2,1,1,1,3,1,3] = -385/3072, rop[2,1,1,1,3,2,2] = 1309/6144, rop[2,1,1,1,3,3,1] = -1365/1024, rop[2,1,1,1,4,1,2] = -77/24, rop[2,1,1,1,4,2,1] = 595/256, rop[2,1,1,1,5,1,1] = 287/128, rop[2,1,1,2,1,1,4] = 8855/6144, rop[2,1,1,2,1,2,3] = 275/384, rop[2,1,1,2,1,3,2] = 1595/1536, rop[2,1,1,2,1,4,1] = -1175/384, rop[2,1,1,2,2,1,3] = 1925/6144, rop[2,1,1,2,2,2,2] = 7315/12288, rop[2,1,1,2,2,3,1] = -14525/6144, rop[2,1,1,2,3,1,2] = -7315/1536, rop[2,1,1,2,3,2,1] = 1225/384, rop[2,1,1,2,4,1,1] = 4795/1536, rop[2,1,1,3,1,1,3] = -5225/1024, rop[2,1,1,3,1,2,2] = -9955/2048, rop[2,1,1,3,1,3,1] = 25675/3072, rop[2,1,1,3,2,1,2] = 715/128, rop[2,1,1,3,2,2,1] = -1475/768, rop[2,1,1,3,3,1,1] = -95/48, rop[2,1,1,4,1,1,2] = 11935/2048, rop[2,1,1,4,1,2,1] = -6125/3072, rop[2,1,1,4,2,1,1] = -12565/6144, rop[2,1,1,5,1,1,1] = -805/384, rop[2,1,2,1,1,1,4] = -1309/1536, rop[2,1,2,1,2,3,1] = -275/192, rop[2,1,2,1,1,3,2] = -451/384, rop[2,1,2,1,1,4,1] = 685/192, rop[2,1,2,1,2,1,3] = -2695/1536, rop[2,1,2,1,2,2,2] = -4697/3072, rop[2,1,2,1,2,3,1] = 6335/1536, rop[2,1,2,1,3,1,2] = 2387/384, rop[2,1,2,1,3,2,1] = -665/192, rop[2,1,2,1,4,1,1] = -1351/384, rop[2,1,2,2,1,1,3] = 495/256, rop[2,1,2,2,1,2,2] = 1089/512, rop[2,1,2,2,1,3,1] = -855/256, rop[2,1,2,2,2,1,2] = -99/64, rop[2,1,2,2,2,2,1] = 15/32, rop[2,1,2,2,3,1,1] = 27/64, rop[2,1,2,3,1,1,2] = -693/512, rop[2,1,2,3,1,2,1] = 105/256, rop[2,1,2,3,2,1,1] = 189/512, rop[2,1,2,4,1,1,1] = 21/64, rop[2,1,3,1,1,1,3] = 825/512, rop[2,1,3,1,1,2,2] = 1815/1024, rop[2,1,3,1,1,3,1] = -1425/512, rop[2,1,3,1,2,1,2] = -165/128, rop[2,1,3,1,2,2,1] = 25/64, rop[2,1,3,1,3,1,1] = 45/128, rop[2,1,3,2,1,1,2] = -1155/1024, rop[2,1,3,2,1,2,1] = 175/512, rop[2,1,3,2,2,1,1] = 315/1024, rop[2,1,3,3,1,1,1] = 35/128, rop[2,1,4,1,1,1,2] = -495/512, rop[2,1,4,1,2,1,1] = 75/256, rop[2,1,4,1,2,1,1,1] = 135/512, rop[2,1,4,2,1,1,1] = 15/64, rop[2,1,5,1,1,1,1,1] = 105/512, rop[2,2,1,1,1,1,4] = -1309/2048, rop[2,2,1,1,1,2,3] = -275/256, rop[2,2,1,1,1,3,2] = -451/512, rop[2,2,1,1,1,4,1] = 685/256, rop[2,2,1,1,2,1,3] = -2695/2048, rop[2,2,1,1,2,2,2] = -4697/4096, rop[2,2,1,1,2,3,1] = 6335/2048, rop[2,2,1,1,3,1,2] = 2387/512, rop[2,2,1,1,3,2,1] = -665/256, rop[2,2,1,1,4,1,1] = -1351/512, rop[2,2,1,2,1,1,3] = 1485/1024, rop[2,2,1,2,1,2,2] = 3267/2048, rop[2,2,1,2,1,3,1] = -2565/1024, rop[2,2,1,2,2,1,2] = -297/256, rop[2,2,1,2,2,2,1] = 45/128, rop[2,2,1,2,3,1,1] = 81/256, rop[2,2,1,3,1,1,2] = -2079/2048, rop[2,2,1,3,1,2,1] = 315/1024, rop[2,2,1,3,2,1,1] = 567/2048, rop[2,2,1,4,1,1,1] = 63/256, rop[2,2,2,1,1,1,3] = 2475/2048, rop[2,2,2,1,1,2,2] = 5445/4096, rop[2,2,2,1,1,3,1] = -4275/2048, rop[2,2,2,1,2,1,2] = -495/512, rop[2,2,2,2,1,2,2,1] = 75/256, rop[2,2,2,3,1,1,1] = 135/512, rop[2,2,2,2,2,1,1,2] = -3465/4096, rop[2,2,2,2,1,2,1] = 525/2048, rop[2,2,2,2,2,1,1] = 945/4096, rop[2,2,2,3,1,1,1] = 105/512, rop[2,2,3,1,1,1,2] = -1485/2048, rop[2,2,3,1,1,2,1] = 225/1024, rop[2,2,3,1,2,1,1] = 405/2048, rop[2,2,3,2,1,1,1] = 45/256, rop[2,2,4,1,1,1,1] = 315/2048, rop[2,3,1,1,1,1,3] = 495/512, rop[2,3,1,1,1,2,2] = 1089/1024, rop[2,3,1,1,1,3,1] = -855/512, rop[2,3,1,1,1,2,1,2] = -99/128, rop[2,3,1,1,2,2,1] = 15/64, rop[2,3,1,1,3,1,1] = 27/128, rop[2,3,1,2,1,1,2] = -693/1024, rop[2,3,1,2,1,2,1] = 105/512, rop[2,3,1,2,2,1,1] = 189/1024, rop[2,3,1,3,1,1,1] = 21/128, rop[2,3,2,1,1,1,2] = -297/512, rop[2,3,2,1,1,2,1] = 45/256, rop[2,3,2,1,2,1,1] = 81/512, rop[2,3,2,2,1,1,1] = 9/64, rop[2,3,3,1,1,1,1] = 63/512, rop[2,4,1,1,1,1,2] = -495/1024, rop[2,4,1,1,1,2,1] = 75/512, rop[2,4,1,1,2,1,1] = 135/1024, rop[2,4,1,2,1,1,1] = 15/128, rop[2,4,2,1,1,1,1] = 105/1024, rop[2,5,1,1,1,1,1] = 45/512, rop[3,1,1,1,1,1,4] = -1309/3072, rop[3,1,1,1,1,2,3] = -275/384, rop[3,1,1,1,1,3,2] = -451/768, rop[3,1,1,1,1,4,1] = 685/384, rop[3,1,1,1,2,1,3] = -2695/3072, rop[3,1,1,1,2,2,2] = -4697/6144, rop[3,1,1,1,2,3,1] = 6335/3072, rop[3,1,1,1,3,1,2] = 2387/768, rop[3,1,1,1,3,2,1] = -665/384, rop[3,1,1,1,4,1,1] = -1351/768, rop[3,1,1,2,1,1,3] = 495/512, rop[3,1,1,2,1,3,1] = -855/512, rop[3,1,1,2,2,1,2] = -99/128, rop[3,1,1,2,2,2,1] = 15/64, rop[3,1,1,2,3,1,1] = 27/128, rop[3,1,1,3,1,1,2] = 105/512, rop[3,1,1,3,2,1,1] = 189/1024, rop[3,1,1,4,1,1,1] = 21/128, rop[3,1,2,1,1,1,3] = 825/1024, rop[3,1,2,1,1,2,2] = 1815/2048, rop[3,1,2,1,3,1,1] = -1425/1024, rop[3,1,2,1,2,1,2] = -165/256, rop[3,1,2,1,2,2,1] = 25/128, rop[3,1,2,1,3,1,1] = 45/256, rop[3,1,2,2,1,1,2] = -1155/2048, rop[3,1,2,2,1,2,1] = 175/1024, rop[3,1,2,2,2,1,1] = 315/2048, rop[3,1,2,3,1,1,1] = 35/256, rop[3,1,3,1,1,1,2] = -495/1024, rop[3,1,3,1,1,2,1] = 75/512, rop[3,1,3,1,2,1,1] = 135/1024, rop[3,1,3,2,1,1,1] = 15/128, rop[3,1,4,1,1,1,1] = 105/1024, rop[3,2,1,1,1,1,3] = 165/256, rop[3,2,1,1,1,2,2] = 363/512, rop[3,2,1,1,1,3,1] = -285/256, rop[3,2,1,1,2,1,2] = -33/64, rop[3,2,1,1,2,2,1] = 5/32, rop[3,2,1,1,3,1,1] = 9/64, rop[3,2,1,2,1,1,2] = -231/512, rop[3,2,1,2,1,2,1] = 35/256, rop[3,2,1,2,2,1,1] = 63/512, rop[3,2,1,3,1,1,1] = 7/64, rop[3,2,2,1,1,1,2] = -99/256, rop[3,2,2,1,1,2,1] = 15/128, rop[3,2,2,1,2,1,1] = 27/256, rop[3,2,2,2,1,1,1] = 3/32, rop[3,2,3,1,1,1,1] = 21/256, rop[3,3,1,1,1,1,2] = -165/512, rop[3,3,1,1,1,2,1] = 25/256, rop[3,3,1,1,2,1,1] = 45/512, rop[3,3,1,2,1,1,1] = 5/64, rop[3,3,2,1,1,1,1] = 35/512, rop[3,4,1,1,1,1,1] = 15/256, rop[4,1,1,1,1,1,3] = 495/1024, rop[4,1,1,1,1,2,2] = 1089/2048, rop[4,1,1,1,1,3,1] = -855/1024, rop[4,1,1,1,2,1,2] = -99/256, rop[4,1,1,1,2,2,1] = 15/128, rop[4,1,1,1,3,1,1] = 27/256, rop[4,1,1,2,1,1,2] = -693/2048, rop[4,1,1,2,1,2,1] = 105/1024, rop[4,1,1,2,2,1,1] = 189/2048, rop[4,1,1,3,1,1,1] = 21/256, rop[4,1,2,1,1,1,2] = -297/1024, rop[4,1,2,1,1,2,1] = 45/512, rop[4,1,2,1,2,1,1] = 81/1024, rop[4,1,2,2,1,1,1] = 9/128, rop[4,1,3,1,1,1,1] = 63/1024, rop[4,2,1,1,1,1,2] = -495/2048, rop[4,2,1,1,1,2,1] = 75/1024, rop[4,2,1,1,2,1,1] = 135/2048, rop[4,2,1,2,1,1,1] = 15/256, rop[4,2,2,1,1,1,1] = 105/2048, rop[4,3,1,1,1,1,1] = 45/1024, rop[5,1,1,1,1,1,2] = -99/512, rop[5,1,1,1,1,2,1] = 15/256, rop[5,1,1,1,1,2,1,1] = 27/512, rop[5,1,1,2,1,1,1] = 3/64, rop[5,1,2,1,1,1,1] = 21/512, rop[5,2,1,1,1,1,1] = 9/256, rop[6,1,1,1,1,1,1] = 15/512, rop[1,1,1,1,1,1,1,5] = -77/192, rop[1,1,1,1,1,1,2,4] = -385/2048, rop[1,1,1,1,1,1,1,3,3] = 385/384, rop[1,1,1,1,1,1,1,4,2] = -847/1536, rop[1,1,1,1,1,1,1,5,1] = -7/96, rop[1,1,1,1,1,1,2,1,4] = 3773/3072, rop[1,1,1,1,1,1,2,2,3] = 275/768, rop[1,1,1,1,1,2,3,2] = 143/192, rop[1,1,1,1,1,2,4,1] = -555/256, rop[1,1,1,1,1,3,1,3] = -385/3072, rop[1,1,1,1,1,3,2,2] = 1309/6144, rop[1,1,1,1,1,3,3,1] = -1365/1024, rop[1,1,1,1,1,4,1,2] = -77/24, rop[1,1,1,1,1,4,2,1] = 595/256, rop[1,1,1,1,1,5,1,1] = 287/128, rop[1,1,1,1,1,2,1,1,4] = 8855/6144, rop[1,1,1,1,1,2,1,2,3] = 275/384, rop[1,1,1,1,1,2,1,3,2] = 1595/1536, rop[1,1,1,1,2,1,4,1] = -1175/384, rop[1,1,1,1,2,3,1,2] = -7315/1536, rop[1,1,1,1,2,3,2,1] = 1225/384, rop[1,1,1,1,2,4,1,1] = 4795/1536, rop[1,1,1,1,3,1,1,3] = -5225/1024, rop[1,1,1,1,3,1,2,2] = -9955/2048, rop[1,1,1,1,3,1,3,1] = 25675/3072, rop[1,1,1,1,3,2,1,2] = 715/128, rop[1,1,1,1,3,2,2,1] = -1475/768, rop[1,1,1,1,3,3,1,1] = -95/48, rop[1,1,1,1,4,1,1,2] = 11935/2048, rop[1,1,1,1,4,1,2,1] = -6125/3072, rop[1,1,1,1,4,2,1,1] = -12565/6144, rop[1,1,1,1,5,1,1,1] = -805/384, rop[1,1,1,2,1,1,1,4] = -1309/1536, rop[1,1,1,2,1,1,2,3] = -275/192, rop[1,1,1,2,1,1,3,2] = -451/384, rop[1,1,1,2,1,1,4,1] = 685/192, rop[1,1,1,2,1,2,1,1]

3] = -2695/1536, rop[1,1,1,2,1,2,2,2] = -4697/3072, rop[1,1,1,2,1,2,3,1] = 6335/1536, rop[1,1,1,2,1,3,1,2] = 2387/384, rop[1,1,1,2,1,3,2,1] = -665/192, rop[1,1,1,2,1,4,1,1] = -1351/384, rop[1,1,1,2,2,1,1,3] = 495/256, rop[1,1,1,2,2,1,2,2] = 1089/512, rop[1,1,1,2,2,1,3,1] = -855/256, rop[1,1,1,2,2,2,1,2] = -99/64, rop[1,1,1,2,2,2,2,1] = 15/32, rop[1,1,1,2,2,3,1,1] = 27/64, rop[1,1,1,2,3,1,1,2] = -693/512, rop[1,1,1,2,3,1,2,1] = 105/256, rop[1,1,1,2,3,2,1,1] = 189/512, rop[1,1,1,2,4,1,1,1] = 21/64, rop[1,1,1,3,1,1,1,3] = 825/512, rop[1,1,1,3,1,1,2,2] = 1815/1024, rop[1,1,1,3,1,1,3,1] = -1425/512, rop[1,1,1,3,1,2,1,2] = -165/128, rop[1,1,1,3,1,2,2,1] = 25/64, rop[1,1,1,3,1,3,1,1] = 45/128, rop[1,1,1,3,2,1,1,2] = -1155/1024, rop[1,1,1,3,2,1,2,1] = 175/512, rop[1,1,1,3,2,2,1,1] = 315/1024, rop[1,1,1,3,3,1,1,1] = 35/128, rop[1,1,1,4,1,1,1,2] = -495/512, rop[1,1,1,4,1,1,2,1] = 75/256, rop[1,1,1,4,1,2,1,1] = 135/512, rop[1,1,1,4,2,1,1,1] = 15/64, rop[1,1,1,5,1,1,1,1] = 105/512, rop[1,1,2,1,1,1,4] = -1309/2048, rop[1,1,2,1,1,1,2,3] = -275/256, rop[1,1,2,1,1,1,3,2] = -451/512, rop[1,1,2,1,1,1,4,1] = 685/256, rop[1,1,2,1,1,2,1,3] = -2695/2048, rop[1,1,2,1,1,2,2,2] = -4697/4096, rop[1,1,2,1,1,2,3,1] = 6335/2048, rop[1,1,2,1,1,3,1,2] = 2387/512, rop[1,1,2,1,1,3,2,1] = -665/256, rop[1,1,2,1,1,4,1,1] = -1351/512, rop[1,1,2,1,2,1,1,3] = 1485/1024, rop[1,1,2,1,2,1,2,2] = 3267/2048, rop[1,1,2,1,2,1,3,1] = -2565/1024, rop[1,1,2,1,2,2,1,2] = -297/256, rop[1,1,2,1,2,2,2,1] = 45/128, rop[1,1,2,1,2,3,1,1] = 81/256, rop[1,1,2,1,3,1,1,2] = -2079/2048, rop[1,1,2,1,3,1,2,1] = 315/1024, rop[1,1,2,1,3,2,1,1] = 567/2048, rop[1,1,2,1,4,1,1,1] = 63/256, rop[1,1,2,2,1,1,1,3] = 2475/2048, rop[1,1,2,2,1,1,2,2] = 5445/4096, rop[1,1,2,2,1,1,3,1] = -4275/2048, rop[1,1,2,2,1,2,1,2] = -495/512, rop[1,1,2,2,1,2,2,1] = 75/256, rop[1,1,2,2,1,3,1,1] = 135/512, rop[1,1,2,2,2,1,1,2] = -3465/4096, rop[1,1,2,2,2,1,2,1] = 525/2048, rop[1,1,2,2,2,2,1,1] = 945/4096, rop[1,1,2,2,3,1,1,1] = 105/512, rop[1,1,2,3,1,1,1,2] = -1485/2048, rop[1,1,2,3,1,1,2,1] = 225/1024, rop[1,1,2,3,1,2,1,1] = 405/2048, rop[1,1,2,3,2,1,1,1] = 45/256, rop[1,1,2,4,1,1,1,1] = 315/2048, rop[1,1,3,1,1,1,1,3] = 495/512, rop[1,1,3,1,1,1,2,2] = 1089/1024, rop[1,1,3,1,1,1,3,1] = -855/512, rop[1,1,3,1,1,2,1,2] = -99/128, rop[1,1,3,1,1,2,2,1] = 15/64, rop[1,1,3,1,1,3,1,1] = 27/128, rop[1,1,3,1,2,1,1,2] = -693/1024, rop[1,1,3,1,2,1,2,1] = 105/512, rop[1,1,3,1,2,2,1,1] = 189/1024, rop[1,1,3,1,3,1,1,1] = 21/128, rop[1,1,3,2,1,1,1,2] = -297/512, rop[1,1,3,2,1,1,2,1] = 45/256, rop[1,1,3,2,1,2,1,1] = 81/512, rop[1,1,3,3,1,1,1,1] = 9/64, rop[1,1,3,3,1,1,1,1] = 63/512, rop[1,1,4,1,1,1,1,2] = -495/1024, rop[1,1,4,1,1,1,2,1] = 75/512, rop[1,1,4,1,1,2,1,1] = 135/1024, rop[1,1,4,1,2,1,1,1] = 15/128, rop[1,1,4,2,1,1,1,1] = 105/1024, rop[1,1,5,1,1,1,1,1] = 45/512, rop[1,2,1,1,1,1,4] = -1309/3072, rop[1,2,1,1,1,1,2,3] = -275/384, rop[1,2,1,1,1,1,3,2] = -451/768, rop[1,2,1,1,1,1,4,1] = 685/384, rop[1,2,1,1,1,2,1,3] = -2695/3072, rop[1,2,1,1,1,2,2,2] = -4697/6144, rop[1,2,1,1,1,2,3,1] = 6335/3072, rop[1,2,1,1,1,3,1,2] = 2387/768, rop[1,2,1,1,1,3,2,1] = -665/384, rop[1,2,1,1,1,4,1,1] = -1351/768, rop[1,2,1,1,2,1,1,3] = 495/512, rop[1,2,1,1,2,1,2,2] = 1089/1024, rop[1,2,1,1,2,1,3,1] = -855/512, rop[1,2,1,1,2,2,1,2] = -99/128, rop[1,2,1,1,2,2,2,1] = 15/64, rop[1,2,1,1,2,3,1,1] = 27/128, rop[1,2,1,1,3,1,1,2] = -693/1024, rop[1,2,1,1,3,1,2,1] = 105/512, rop[1,2,1,1,3,1,2,1] = 189/1024, rop[1,2,1,1,3,2,1,1] = 21/128, rop[1,2,1,1,3,3,1,1] = 825/1024, rop[1,2,1,1,3,3,1,1] = 1815/2048, rop[1,2,1,2,1,1,3,1] = -1425/1024, rop[1,2,1,2,1,2,1,2] = -165/256, rop[1,2,1,2,1,2,2,1] = 25/128, rop[1,2,1,2,1,3,1,1] = 45/256, rop[1,2,1,2,2,1,1,2] = -1155/2048, rop[1,2,1,2,2,1,2,1] = 175/1024, rop[1,2,1,2,2,2,1,1] = 315/2048, rop[1,2,1,2,3,1,1,1] = 35/256, rop[1,2,1,3,1,1,1,2] = -495/1024, rop[1,2,1,3,1,1,2,1] = 75/512, rop[1,2,1,3,1,2,1,1] = 135/1024, rop[1,2,1,3,1,2,1,1] = 15/128, rop[1,2,1,4,1,1,1,1] = 105/1024, rop[1,2,2,1,1,1,1,3] = 165/256, rop[1,2,2,1,1,1,2,2] = 363/512, rop[1,2,2,1,1,1,3,1] = -285/256, rop[1,2,2,1,1,2,1,2] = -33/64, rop[1,2,2,1,1,2,2,1] = 5/32, rop[1,2,2,1,1,3,1,1] = 9/64, rop[1,2,2,1,2,1,1,2] = -231/512, rop[1,2,2,1,2,1,2,1] = 35/256, rop[1,2,2,1,2,2,1,1] = 63/512, rop[1,2,2,1,2,2,1,1] = 7/64, rop[1,2,2,2,1,1,1,2] = -99/256, rop[1,2,2,2,1,1,2,1] = 15/128, rop[1,2,2,2,1,2,1,1] = 27/256, rop[1,2,2,2,1,2,2,1] = 3/32, rop[1,2,2,3,1,1,1,1] = 21/256, rop[1,2,3,1,1,1,1,2] = -165/512, rop[1,2,3,1,1,1,2,1] = 25/256, rop[1,2,3,1,1,2,1,1] = 45/512, rop[1,2,3,1,2,1,1,1] = 5/64, rop[1,2,3,2,1,1,1,1] = 35/512, rop[1,2,4,1,1,1,1,1] = 15/256, rop[1,3,1,1,1,1,3] = 495/1024, rop[1,3,1,1,1,2,2] = 1089/2048, rop[1,3,1,1,1,3,1] = -855/1024, rop[1,3,1,1,1,2,1,2] = -99/256, rop[1,3,1,1,1,2,2,1] = 15/128, rop[1,3,1,1,1,3,1,1] = 27/256, rop[1,3,1,1,2,1,1,2] = -693/2048, rop[1,3,1,1,2,1,2,1] = 105/1024, rop[1,3,1,2,1,1,1] = 81/1024, rop[1,3,1,2,2,1,1,1] = 9/128, rop[1,3,1,3,1,1,1,1] = 63/1024, rop[1,3,2,1,1,1,1,2] = -495/2048, rop[1,3,2,1,1,2,1,1] = 75/1024, rop[1,3,2,1,2,1,1,1] = 135/2048, rop[1,3,2,1,2,1,1,1] = 15/256, rop[1,3,2,2,1,1,1,1] = 105/2048, rop[1,3,3,1,1,1,1,1] = 45/1024, rop[1,4,1,1,1,1,1,2] = -99/512, rop[1,4,1,1,1,1,2,1] = 15/256, rop[1,4,1,1,1,2,1,1] = 27/512, rop[1,4,1,1,2,1,1,1] = 3/64, rop[1,4,1,2,1,1,1,1] = 21/512, rop[1,4,2,1,1,1,1,1] = 9/256, rop[1,5,1,1,1,1,1,1] = 15/512, rop[2,1,1,1,1,1,4] = -1309/6144, rop[2,1,1,1,1,1,2,3] = -275/768, rop[2,1,1,1,1,1,3,2] = -451/1536, rop[2,1,1,1,1,1,4,1] = 685/768, rop[2,1,1,1,1,2,1,3] = -2695/6144, rop[2,1,1,1,1,2,2,2] = -4697/12288, rop[2,1,1,1,1,2,3,1] = 6335/6144, rop[2,1,1,1,1,3,1,2] = 2387/1536, rop[2,1,1,1,1,3,2,1] = -665/768, rop[2,1,1,1,1,3,2,1] = -1351/1536, rop[2,1,1,1,2,1,1,3] = 495/1024, rop[2,1,1,1,2,1,2,2] = 1089/2048, rop[2,1,1,1,2,1,3,1] = -855/1024, rop[2,1,1,1,2,2,1,2] = -99/256, rop[2,1,1,1,2,2,2,1] = 15/128, rop[2,1,1,1,2,3,1,1] = 27/256, rop[2,1,1,1,3,1,1,2] = -693/2048, rop[2,1,1,1,3,1,2,1] = 105/1024, rop[2,1,1,1,3,2,1,1] = 21/256, rop[2,1,1,1,4,1,1,1] = 21/256, rop[2,1,1,2,1,1,1,3] = 825/2048, rop[2,1,1,2,1,1,2,2] = 1815/4096, rop[2,1,1,2,1,1,3,1] = -1425/2048, rop[2,1,1,2,1,2,1,2] = -165/512, rop[2,1,1,2,1,2,2,1] = 25/256, rop[2,1,1,2,1,3,1,1] = 45/512, rop[2,1,1,2,2,1,1,2] = -1155/4096, rop[2,1,1,2,2,1,2,1] = 175/2048, rop[2,1,1,2,2,2,1,1] = 315/4096, rop[2,1,1,2,3,1,1,1] = 35/512, rop[2,1,1,3,1,1,1,2] = -495/2048, rop[2,1,1,3,1,1,2,1] = 75/1024, rop[2,1,1,3,1,2,1,1] = 135/2048, rop[2,1,1,3,1,2,1,1] = 15/256, rop[2,1,1,3,1,2,1,1] = 105/2048, rop[2,1,1,3,2,1,1,1] = 45/256, rop[2,1,1,4,1,1,1,1] = 105/2048, rop[2,1,2,1,1,1,1,3] = 165/512, rop[2,1,2,1,1,1,2,2] = 363/1024, rop[2,1,2,1,1,1,3,1] = -285/512, rop[2,1,2,1,1,2,1,2] = -33/128, rop[2,1,2,1,1,2,2,1] = 5/64, rop[2,1,2,1,1,3,1,1] = 9/128, rop[2,1,2,1,2,1,1,2] = -231/1024, rop[2,1,2,1,2,1,2,1] = 35/512, rop[2,1,2,1,2,2,1,1] = 63/1024, rop[2,1,2,1,3,1,1,1] = 7/128, rop[2,1,2,2,1,1,1,2] = -99/512, rop[2,1,2,2,1,1,2,1] = 15/256, rop[2,1,2,2,1,1,2,1] = 27/512, rop[2,1,2,2,2,1,1,1] = 3/64, rop[2,1,2,3,1,1,1,1] = 21/512, rop[2,1,3,1,1,1,1,2] = -165/1024, rop[2,1,3,1,1,1,2,1] = 25/512, rop[2,1,3,1,2,1,1,1] = 45/1024, rop[2,1,3,1,2,1,1,1] = 5/128, rop[2,1,3,2,1,1,1,1] = 35/1024, rop[2,1,4,1,1,1,1,1] = 15/512, rop[2,2,1,1,1,1,1,3] = 495/2048, rop[2,2,1,1,1,1,2,2] = 1089/4096, rop[2,2,1,1,1,1,3,1] = -855/2048, rop[2,2,1,1,1,2,1,2] = -99/512, rop[2,2,1,1,2,1,2,1] = 15/256, rop[2,2,1,1,3,1,1,1] = 27/512, rop[2,2,1,1,2,1,2,1,2] = -693/4096, rop[2,2,1,1,2,1,2,1] = 105/2048, rop[2,2,1,1,2,2,1,1] = 189/4096, rop[2,2,1,1,3,1,1,1] = 21/512, rop[2,2,1,2,1,1,1,2] = -297/2048, rop[2,2,1,2,1,1,2,1] = 45/1024, rop[2,2,1,2,1,2,1,1] = 81/2048, rop[2,2,1,2,2,1,1,1] = 9/256, rop[2,2,1,3,1,1,1,1] = 63/2048, rop[2,2,2,1,1,1,1,2] = -495/4096, rop[2,2,2,1,1,1,2,1] = 75/2048, rop[2,2,2,1,1,2,1,1] = 135/4096, rop[2,2,2,1,2,1,1,1] = 15/512, rop[2,2,2,2,1,1,1,1] = 105/4096, rop[2,2,3,1,1,1,1,1] = 45/2048, rop[2,3,1,1,1,1,1,2] = -99/1024, rop[2,3,1,1,1,1,2,1] = 15/512, rop[2,3,1,1,1,2,1,1] = 27/1024, rop[2,3,1,1,2,1,1,1] = 3/128, rop[2,3,1,2,1,1,1,1] = 21/1024, rop[2,3,2,1,1,1,1,1] = 9/512, rop[2,4,1,1,1,1,1,1] = 15/1024, rop[3,1,1,1,1,1,1,3] = 165/1024, rop[3,1,1,1,1,1,2,2] = 363/2048, rop[3,1,1,1,1,1,3,1] = -285/1024, rop[3,1,1,1,1,2,1,2] = -33/256, rop[3,1,1,1,1,2,2,1] = 5/128, rop[3,1,1,1,1,2,2,1] = 9/256, rop[3,1,1,1,1,2,2,1,1] = 21/512, rop[3,1,1,1,1,2,2,1,1] = 35/1024, rop[3,1,1,1,2,2,1,1] = 63/2048, rop[3,1,1,1,3,1,1,1] = 7/256, rop[3,1,1,2,1,1,1,2] = -99/1024, rop[3,1,1,2,1,1,2,1] = 15/512, rop[3,1,1,2,1,2,1,1] = 27/1024, rop[3,1,1,2,2,1,1,1] = 3/128, rop[3,1,1,3,1,1,1,1] = 21/1024, rop[3,1,2,1,1,1,1,2] = -165/2048, rop[3,1,2,1,1,1,2,1] = 25/1024, rop[3,1,2,1,1,2,1,1] = 45/2048, rop[3,1,2,1,2,1,1,1] = 5/256, rop[3,1,2,2,1,1,1,1] = 35/2048, rop[3,1,3,1,1,1,1,1] = 15/1024, rop[3,2,1,1,1,1,1,2] = -33/512, rop[3,2,1,1,1,1,2,1] = 5/256, rop[3,2,1,1,1,2,1,1] = 9/512, rop[3,2,1,1,2,1,1,1] = 1/64, rop[3,2,1,2,1,1,1,1] = 7/512, rop[3,2,2,1,1,1,1,1] = 3/256, rop[3,3,1,1,1,1,1,1] = 5/512, rop[4,1,1,1,1,1,1,2] = -99/2048, rop[4,1,1,1,1,1,2,1] = 15/1024, rop[4,1,1,1,1,2,1,1] = 27/2048, rop[4,1,1,1,2,1,1,1] = 3/256, rop[4,1,1,2,1,1,1,1] = 21/2048, rop[4,2,1,1,1,1,1,1] = 9/1024, rop[4,2,1,1,1,1,1,1] = 15/2048, rop[5,1,1,1,1,1,1,1] = 3/512, rop[1,1,1,1,1,1,1,4] = -1309/6144, rop[1,1,1,1,1,1,1,1,2,3] = -275/768, rop[1,1,1,1,1,1,1,1,3,2] = -451/1536, rop[1,1,1,1,1,1,1,1,4,1] = 685/768, rop[1,1,1,1,1,1,1,1,2,1,3] = -2695/6144, rop[1,1,1,1,1,1,1,1,2,2,2] = -4697/12288, rop[1,1,1,1,1,1,1,1,2,3,1] = 6335/6144, rop[1,

1,1,1,1,3,1,2] = 2387/1536, rop[1,1,1,1,1,3,2,1] = -665/768, rop[1,1,1,1,1,1,4,1,1] = -1351/1536, rop[1,1,1,1,1,1,2,1,1,3] = 495/1024, rop[1,1,1,1,1,2,1,2,2] = 1089/2048, rop[1,1,1,1,1,2,1,3,1] = -855/1024, rop[1,1,1,1,1,2,2,1,2] = -99/256, rop[1,1,1,1,1,2,2,2,1] = 15/128, rop[1,1,1,1,2,3,1,1] = 27/256, rop[1,1,1,1,1,3,1,1,2] = -693/2048, rop[1,1,1,1,1,1,3,1,2,1] = 105/1024, rop[1,1,1,1,1,3,2,1,1] = 189/2048, rop[1,1,1,1,1,4,1,1,1] = 21/256, rop[1,1,1,1,2,1,1,1,3] = 825/2048, rop[1,1,1,1,2,1,1,2,2] = 1815/4096, rop[1,1,1,1,2,1,1,3,1] = -1425/2048, rop[1,1,1,1,2,1,2,1,2] = -165/512, rop[1,1,1,1,2,1,2,2,1] = 25/256, rop[1,1,1,1,2,1,3,1,1] = 45/512, rop[1,1,1,1,2,2,1,1,2] = -1155/4096, rop[1,1,1,1,2,2,1,2,1] = 175/2048, rop[1,1,1,1,2,2,2,1,1] = 315/4096, rop[1,1,1,1,2,3,1,1,1] = 35/512, rop[1,1,1,1,3,1,1,1,2] = -495/2048, rop[1,1,1,1,3,1,1,2,1] = 75/1024, rop[1,1,1,1,3,1,2,1,1] = 135/2048, rop[1,1,1,1,3,2,1,1,1] = 15/256, rop[1,1,1,1,4,1,1,1,1] = 105/2048, rop[1,1,1,2,1,1,1,1,3] = 165/512, rop[1,1,2,1,1,1,2,2] = 363/1024, rop[1,1,2,1,1,1,3,1] = -285/512, rop[1,1,2,1,1,2,1,2] = -33/128, rop[1,1,2,1,1,2,2,1] = 5/64, rop[1,1,2,1,1,2,1,1,1] = 9/128, rop[1,1,2,1,2,1,1,2] = -231/1024, rop[1,1,2,1,2,1,2,1] = 35/512, rop[1,1,2,1,2,2,1,1] = 63/1024, rop[1,1,2,1,3,1,1,1] = 7/128, rop[1,1,2,2,1,1,1,2] = -99/512, rop[1,1,2,2,1,1,2,1] = 15/256, rop[1,1,2,2,1,2,1,1] = 27/512, rop[1,1,2,2,2,1,1,1] = 3/64, rop[1,1,2,3,1,1,1,1] = 21/512, rop[1,1,3,1,1,1,1,2] = -165/1024, rop[1,1,3,1,1,2,1,1] = 25/512, rop[1,1,3,1,1,2,1,1] = 45/1024, rop[1,1,3,1,1,2,1,1,1] = 5/128, rop[1,1,3,2,1,1,1,1] = 35/1024, rop[1,1,4,1,1,1,1,1] = 15/512, rop[1,1,2,1,1,1,1,3] = 495/2048, rop[1,1,2,1,1,1,2,2] = 1089/4096, rop[1,1,2,1,1,1,3,1] = -855/2048, rop[1,1,2,1,1,2,1,2] = -99/512, rop[1,1,2,1,1,1,2,2,1] = 15/256, rop[1,1,2,1,1,3,1,1] = 27/512, rop[1,1,2,1,2,1,1,2] = -693/4096, rop[1,1,2,1,2,1,2,1] = 105/2048, rop[1,1,2,1,2,2,1,1] = 189/4096, rop[1,1,2,1,3,1,1,1] = 21/512, rop[1,1,2,1,2,1,1,2] = -297/2048, rop[1,1,2,1,2,1,1,2,1] = 45/1024, rop[1,1,2,1,2,1,2,1,1] = 81/2048, rop[1,1,2,2,1,1,1,1] = 9/256, rop[1,1,2,1,3,1,1,1,1] = 63/2048, rop[1,1,2,2,1,1,1,2] = -495/4096, rop[1,1,2,2,1,1,2,1] = 75/2048, rop[1,1,2,2,1,1,2,1,1] = 135/4096, rop[1,1,2,2,1,2,1,1,1] = 15/512, rop[1,1,2,2,2,1,1,1,1] = 105/4096, rop[1,1,2,3,1,1,1,1,1] = 45/2048, rop[1,1,3,1,1,1,1,1,2] = -99/1024, rop[1,1,3,1,1,1,2,1] = 15/512, rop[1,1,3,1,1,2,1,1,1] = 27/1024, rop[1,1,3,1,1,2,1,1,1] = 3/128, rop[1,1,3,1,2,1,1,1,1] = 21/1024, rop[1,1,3,2,1,1,1,1,1] = 9/512, rop[1,1,4,1,1,1,1,1,1] = 15/1024, rop[1,2,1,1,1,1,1,3] = 165/1024, rop[1,2,1,1,1,1,1,2,2] = 363/2048, rop[1,2,1,1,1,1,3,1] = -285/1024, rop[1,2,1,1,1,2,1,2] = -33/256, rop[1,2,1,1,1,2,2,1] = 5/128, rop[1,2,1,1,1,3,1,1] = 9/256, rop[1,2,1,1,2,1,1,2] = -231/2048, rop[1,2,1,1,2,1,2,1] = 35/1024, rop[1,2,1,1,2,2,1,1] = 63/2048, rop[1,2,1,1,2,1,1,1] = 7/256, rop[1,2,1,1,2,1,1,2] = -99/1024, rop[1,2,1,1,2,1,2,1] = 15/512, rop[1,2,1,2,1,1,1,1] = 27/1024, rop[1,2,1,2,2,1,1,1] = 3/128, rop[1,2,1,3,1,1,1,1] = 21/1024, rop[1,2,1,2,1,1,1,1,2] = -165/2048, rop[1,2,1,2,1,1,1,2,1] = 25/1024, rop[1,2,1,2,1,1,2,1,1] = 45/2048, rop[1,2,1,2,1,1,1,1] = 5/256, rop[1,2,1,2,2,1,1,1,1] = 35/2048, rop[1,2,1,3,1,1,1,1,1] = 15/1024, rop[1,2,2,1,1,1,1,2] = -33/512, rop[1,2,2,1,1,1,1,2,1] = 5/256, rop[1,2,2,1,1,1,2,1,1] = 1/64, rop[1,2,2,1,2,1,1,1,1] = 7/512, rop[1,2,2,2,1,1,1,1,1] = 3/256, rop[1,2,3,1,1,1,1,1,1] = 5/512, rop[1,3,1,1,1,1,1,2] = -99/2048, rop[1,3,1,1,1,1,2,1] = 15/1024, rop[1,3,1,1,1,2,1,1] = 27/2048, rop[1,3,1,1,2,1,1,1] = 3/256, rop[1,3,1,1,2,1,1,1,1] = 21/2048, rop[1,3,1,2,1,1,1,1,1] = 9/1024, rop[1,3,2,1,1,1,1,1,1] = 15/2048, rop[1,4,1,1,1,1,1,1,1] = 3/512, rop[2,1,1,1,1,1,1,3] = 165/2048, rop[2,1,1,1,1,1,2,2] = 363/4096, rop[2,1,1,1,1,1,1,3,1] = -285/2048, rop[2,1,1,1,1,2,1,2] = -33/512, rop[2,1,1,1,1,2,2,1] = 5/256, rop[2,1,1,1,1,1,1,1,3] = 9/512, rop[2,1,1,1,2,1,1,2] = -231/4096, rop[2,1,1,1,2,1,2,1] = 35/2048, rop[2,1,1,1,2,2,1,1] = 63/4096, rop[2,1,1,1,3,1,1,1] = 7/512, rop[2,1,1,2,1,1,1,2] = -99/2048, rop[2,1,1,2,1,1,2,1] = 15/1024, rop[2,1,1,2,1,2,1,1] = 27/2048, rop[2,1,1,2,1,1,1,2] = -165/4096, rop[2,1,1,2,1,1,2,1] = 25/2048, rop[2,1,1,2,1,2,1,1] = 45/4096, rop[2,1,1,2,1,1,1,1] = 5/512, rop[2,1,1,2,1,1,1,1,1] = 35/4096, rop[2,1,1,3,1,1,1,1] = 15/2048, rop[2,1,2,1,1,1,1,2] = -33/1024, rop[2,1,2,1,1,1,2,1] = 5/512, rop[2,1,2,1,1,1,2,1,1] = 9/1024, rop[2,1,2,1,1,2,1,1,1] = 1/128, rop[2,1,2,1,1,1,1,1] = 7/1024, rop[2,1,2,2,1,1,1,1,1] = 3/512, rop[2,1,3,1,1,1,1,1] = 5/1024, rop[2,2,1,1,1,1,1,2] = -99/4096, rop[2,2,1,1,1,1,1,2,1] = 15/2048, rop[2,2,1,1,1,2,1,1] = 27/4096, rop[2,2,1,1,2,1,1,1] = 3/512, rop[2,2,1,2,1,1,1,1] = 21/4096, rop[2,2,1,2,1,1,1,1,1] = 9/2048, rop[2,2,2,1,1,1,1,1,1] = 15/4096, rop[2,3,1,1,1,1,1,1,1] = 3/1024, rop[3,1,1,1,1,1,1,2] = -33/2048, rop[3,1,1,1,1,1,2,1] = 5/1024, rop[3,1,1,1,1,2,1,1] = 9/2048, rop[3,1,1,1,2,1,1,1] = 1/256, rop[3,1,1,1,2,1,1,1,1] = 7/2048, rop[3,1,1,2,1,1,1,1,1] = 3/1024, rop[3,1,2,1,1,1,1,1,1] = 5/2048, rop[3,2,1,1,1,1,1,1,1] = 1/512, rop[4,1,1,1,1,1,1,1,1] = 3/2048, rop[1,1,1,1,1,1,1,1,1,3] = 165/2048, rop[1,1,1,1,1,1,1,1,2,2] = 363/4096, rop[1,1,1,1,1,1,1,1,3,1] = -285/2048, rop[1,1,1,1,1,1,1,2,2] = -33/512, rop[1,1,1,1,1,1,1,2,2,1] = 5/256, rop[1,1,1,1,1,1,1,3,1,1] = 9/512, rop[1,1,1,1,1,1,2,1,2] = -231/4096, rop[1,1,1,1,1,1,2,1,2,1] = 35/2048, rop[1,1,1,1,1,1,2,2,1,1] = 63/4096, rop[1,1,1,1,1,1,2,1,1,1] = 7/512, rop[1,1,1,1,1,2,1,1,1,1] = 21/2048, rop[1,1,1,1,2,1,1,1,2] = -165/4096, rop[1,1,1,1,2,1,1,1,2,1] = 25/2048, rop[1,1,1,1,2,1,1,1,2,1,1] = 45/4096, rop[1,1,1,1,2,2,1,1,1,1] = 15/2048, rop[1,1,1,1,2,1,1,1,1,1,2] = -33/1024, rop[1,1,1,1,2,1,1,1,2,1] = 5/512, rop[1,1,1,1,2,1,1,2,1,1] = 9/1024, rop[1,1,1,1,2,1,1,1,1,1,1] = 1/128, rop[1,1,1,2,1,1,1,1,1,1] = 7/1024, rop[1,1,1,2,2,1,1,1,1,1] = 3/512, rop[1,1,1,3,1,1,1,1,1,1] = 5/1024, rop[1,1,2,1,1,1,1,1,1,2] = -99/4096, rop[1,1,2,1,1,1,1,1,2,1] = 15/2048, rop[1,1,2,1,1,1,1,2,1,1] = 27/4096, rop[1,1,2,1,1,1,2,1,1,1] = 3/512, rop[1,1,2,1,2,1,1,1,1,1] = 21/4096, rop[1,1,2,1,2,1,1,1,1,1] = 9/2048, rop[1,1,2,2,1,1,1,1,1,1] = 15/4096, rop[1,1,2,1,1,1,1,1,1,1,2] = -33/2048, rop[1,2,1,1,1,1,1,1,2,1] = 5/1024, rop[1,2,1,1,1,1,2,1,1] = 9/2048, rop[1,2,1,1,1,2,1,1,1] = 1/256, rop[1,2,1,1,1,2,1,1,1,1] = 7/2048, rop[1,2,1,1,2,1,1,1,1,1] = 3/1024, rop[1,2,1,2,1,1,1,1,1,1] = 5/2048, rop[1,2,2,1,1,1,1,1,1,1] = 1/512, rop[1,3,1,1,1,1,1,1,1,1] = 3/2048, rop[2,1,1,1,1,1,1,1,2] = -33/4096, rop[2,1,1,1,1,1,1,2,1] = 5/2048, rop[2,1,1,1,1,1,2,1,1] = 9/4096, rop[2,1,1,1,1,1,2,1,1,1] = 1/512, rop[2,1,1,1,1,1,1,1,1,1] = 3/2048, rop[2,1,1,2,1,1,1,1,1,1] = 5/4096, rop[2,1,2,1,1,1,1,1,1,1] = 1/1024, rop[2,2,1,1,1,1,1,1,1,1] = 3/4096, rop[3,1,1,1,1,1,1,1,1,1] = 1/2048, rop[1,1,1,1,1,1,1,1,1,1,2] = -33/4096, rop[1,1,1,1,1,1,1,1,1,2,1] = 5/2048, rop[1,1,1,1,1,1,1,1,2,1,1] = 9/4096, rop[1,1,1,1,1,1,1,2,1,1,1] = 1/512, rop[1,1,1,1,1,1,2,1,1,1,1] = 3/2048, rop[1,1,1,1,2,1,1,1,1,1,1] = 5/4096, rop[1,1,2,1,1,1,1,1,1,1,1] = 1/1024, rop[1,1,2,1,1,1,1,1,1,1,1] = 3/4096, rop[1,2,1,1,1,1,1,1,1,1,1] = 1/2048, rop[2,1,1,1,1,1,1,1,1,1,1] = 1/4096, rop[1,1,1,1,1,1,1,1,1,1,1] = 1/4096] : ###

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