```
###############################################################################
###############################################################################
### File "b1_diS_to_S_in_me_basis";
###############################################################################
###############################################################################
### restart;

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

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

## mep:='mep':  mep[]:=1: a:='a':    [seq(a[r]= allr,  r=1..14)]; assign(%);

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

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

semep1:= [mep[1] = a1] : ##

semep2:=[
mep[2] = a2+a1^2,
mep[1,1] = -1/2*a2
] : ##

semep3:= [
mep[3] = a3+2*a1*a2+a1^3,
mep[1,2] = -2/3*a3-1/3*a1*a2,
mep[2,1] = -1/3*a3-2/3*a1*a2,
mep[1,1,1] = 1/3*a3+1/6*a1*a2
] : ##

semep4:= [
mep[4] = a4+2*a1*a3+a2^2+3*a2*a1^2+a1^4,
mep[1,3] = -3/4*a4-3/8*a2^2-1/2*a1*a3-1/4*a2*a1^2,
mep[2,2] = -1/2*a4-a1*a3-1/2*a2*a1^2,
mep[3,1] = -1/4*a4-5/8*a2^2-1/2*a1*a3-3/4*a2*a1^2,
mep[1,1,2] = 1/2*a4+1/3*a1*a3+1/6*a2*a1^2,
mep[1,2,1] = 1/4*a4+3/8*a2^2+1/6*a1*a3+1/12*a2*a1^2,
mep[2,1,1] = 1/4*a4+1/2*a1*a3+1/4*a2*a1^2+1/8*a2^2,
mep[1,1,1,1] = -1/4*a4-1/8*a2^2-1/6*a1*a3-1/12*a2*a1^2
] : ##

semep5:= [
mep[5] = a5+2*a1*a4+2*a3*a2+3*a3*a1^2+3*a1*a2^2+4*a2*a1^3+a1^5,
mep[1,4] = -4/5*a5-14/15*a3*a2-17/30*a1*a2^2-3/5*a1*a4-2/5*a3*a1^2-1/5*a2*a1^3,
mep[2,3] = -3/5*a5-6/5*a1*a4-11/20*a1*a2^2-4/5*a3*a1^2-2/5*a2*a1^3-1/5*a3*a2,
mep[3,2] = -2/5*a5-4/5*a3*a2-9/20*a1*a2^2-4/5*a1*a4-6/5*a3*a1^2-3/5*a2*a1^3,
mep[4,1] = -1/5*a5-16/15*a3*a2-43/30*a1*a2^2-2/5*a1*a4-3/5*a3*a1^2-4/5*a2*a1^3,
mep[1,1,3] = 3/5*a5+9/20*a1*a4+7/40*a1*a2^2+3/10*a3*a1^2+3/20*a2*a1^3+1/5*a3*a2,
mep[1,2,2] = 2/5*a5+7/15*a3*a2+17/60*a1*a2^2+3/10*a1*a4+1/5*a3*a1^2+1/10*a2*a1^3,
mep[1,3,1] = 1/5*a5+11/15*a3*a2+47/120*a1*a2^2+3/20*a1*a4+1/10*a3*a1^2+1/20*a2*a1^3,
mep[2,1,2] = 2/5*a5+4/5*a1*a4+8/15*a3*a1^2+4/15*a2*a1^3+2/15*a3*a2+7/60*a1*a2^2,
mep[2,2,1] = 1/5*a5+2/5*a1*a4+3/5*a1*a2^2+4/15*a3*a1^2+2/15*a2*a1^3+2/5*a3*a2,
mep[3,1,1] = 1/5*a5+2/5*a1*a4+13/30*a1*a2^2+3/5*a3*a1^2+3/10*a2*a1^3+17/30*a3*a2,
mep[1,1,1,2] = -2/5*a5-3/10*a1*a4-1/5*a3*a1^2-1/10*a2*a1^3-2/15*a3*a2-7/60*a1*a2^2,
mep[1,1,2,1] = -1/5*a5-2/5*a3*a2-3/20*a1*a4-9/40*a1*a2^2-1/10*a3*a1^2-1/20*a2*a1^3,
mep[1,2,1,1] = -1/5*a5-2/5*a3*a2-3/20*a1*a4-9/40*a1*a2^2-1/10*a3*a1^2-1/20*a2*a1^3,
mep[2,1,1,1] = -1/5*a5-7/30*a3*a2-4/15*a1*a2^2-2/5*a1*a4-4/15*a3*a1^2-2/15*a2*a1^3,
mep[1,1,1,1,1] = 1/5*a5+7/30*a3*a2+17/120*a1*a2^2+3/20*a1*a4+1/10*a3*a1^2+1/20*a2*a1^3
] : ##

semep6:= [
mep[6] = a6+2*a1*a5+2*a4*a2+3*a4*a1^2+a3^2+6*a3*a1*a2+4*a3*a1^3+a2^3+6*a2^2*a1^2+5*a2*a1^4+a1^6,
mep[1,5] = -5/6*a6-25/24*a4*a2-5/9*a3^2-53/36*a3*a1*a2-5/16*a2^3-49/72*a2^2*a1^2-2/3*a1*a5-1/2*a4*a1^2-1/3*a3*a1^3-1/6*a2*a1^4,
mep[2,4] = -2/3*a6-4/3*a1*a5-14/9*a3*a1*a2-8/9*a2^2*a1^2-a4*a1^2-2/3*a3*a1^3-1/3*a2*a1^4-2/9*a3^2-1/3*a4*a2,
mep[3,3] = -1/2*a6-a4*a2-1/2*a2^3-a3*a1*a2-a2^2*a1^2-a1*a5-3/2*a4*a1^2-a3*a1^3-1/2*a2*a1^4,
mep[4,2] = -1/3*a6-7/9*a3^2-22/9*a3*a1*a2-2/3*a4*a2-10/9*a2^2*a1^2-2/3*a1*a5-a4*a1^2-4/3*a3*a1^3-2/3*a2*a1^4,
mep[5,1] = -91/36*a3*a1*a2-1/6*a6-11/16*a2^3-1/3*a1*a5-23/24*a4*a2-1/2*a4*a1^2-4/9*a3^2-2/3*a3*a1^3-167/72*a2^2*a1^2-5/6*a2*a1^4,
```

```
mep[1,1,4] = 2/3*a6+8/15*a1*a5+28/45*a3*a1*a2+29/90*a2^2*a1^2+2/5*a4*a1^2+4/15*a3*a1^3+2/15*a2*a1^4+2/9*a3^2+1/3*a4*a2,
mep[1,2,3] = 1/2*a6+5/8*a4*a2+5/16*a2^3+11/20*a3*a1*a2+13/40*a2^2*a1^2+2/5*a1*a5+3/10*a4*a1^2+1/5*a3*a1^3+1/10*a2*a1^4,
mep[1,3,2] = 1/3*a6+5/9*a3^2+83/90*a3*a1*a2+5/12*a4*a2+16/45*a2^2*a1^2+4/15*a1*a5+1/5*a4*a1^2+2/15*a3*a1^3+1/15*a2*a1^4,
mep[1,4,1] = 1/6*a6+17/24*a4*a2+1/3*a3^2+17/20*a3*a1*a2+5/16*a2^3+43/120*a2^2*a1^2+2/15*a1*a5+1/10*a4*a1^2+1/15*a3*a1^3+1/30*a2*a1^4,
mep[2,1,3] = 1/2*a3*a1*a2+1/2*a6+1/8*a2^3+a1*a5+1/4*a4*a2+3/4*a4*a1^2+1/2*a3*a1^3+3/8*a2^2*a1^2+1/4*a2*a1^4,
mep[2,2,2] = a3*a1*a2+1/3*a6+2/3*a1*a5+1/6*a4*a2+1/2*a4*a1^2+1/3*a3^2+1/3*a3*a1^3+1/2*a2^2*a1^2+1/6*a2*a1^4,
mep[2,3,1] = 1/6*a6+1/3*a1*a5+47/36*a3*a1*a2+23/36*a2^2*a1^2+1/4*a4*a1^2+1/6*a3*a1^3+1/12*a2*a1^4+11/24*a4*a2+2/9*a3^2+1/16*a2^3,
mep[3,1,2] = 7/9*a3*a1*a2+1/3*a6+2/3*a1*a5+2/3*a4*a2+a4*a1^2+1/9*a3^2+2/3*a3*a1^3+4/9*a2^2*a1^2+1/3*a2*a1^4,
mep[3,2,1] = 17/18*a3*a1*a2+1/6*a6+1/2*a2^3+1/3*a1*a5+7/12*a4*a2+1/2*a4*a1^2+1/9*a3^2+1/3*a3*a1^3+31/36*a2^2*a1^2+1/6*a2*a1^4,
mep[4,1,1] = 55/36*a3*a1*a2+1/6*a6+1/6*a2^3+1/3*a1*a5+11/24*a4*a2+1/2*a4*a1^2+4/9*a3^2+2/3*a3*a1^3+59/72*a2^2*a1^2+1/3*a2*a1^4,
mep[1,1,1,3] = -1/2*a6-2/5*a1*a5-3/10*a4*a1^2-1/5*a2^2*a1^2-1/5*a3*a1^3-1/10*a2*a1^4-3/10*a3*a1*a2-1/4*a4*a2-1/8*a2^3,
mep[1,1,2,2] = -8/15*a3*a1*a2-1/3*a6-4/15*a1*a5-1/6*a4*a2-1/5*a4*a1^2-3/10*a2^2*a1^2-3/15*a3*a1^3-13/60*a2^2*a1^2-1/15*a2*a1^4,
mep[1,1,3,1] = -1/6*a6-11/24*a4*a2-2/15*a1*a5-103/180*a3*a1*a2-89/360*a2^2*a1^2-1/10*a4*a1^2-1/15*a3*a1^3-1/30*a2*a1^4-2/9*a3^2-1/16*a2^3,
mep[1,2,1,2] = -43/90*a3*a1*a2-1/3*a6-4/15*a1*a5-5/12*a4*a2-1/5*a4*a1^2-1/9*a3^2-3/15*a3*a1^3-11/45*a2^2*a1^2-1/15*a2*a1^4,
mep[1,2,2,1] = -1/6*a6-11/24*a4*a2-5/16*a2^3-83/180*a3*a1*a2-79/360*a2^2*a1^2-2/15*a1*a5-1/10*a4*a1^2-1/15*a3*a1^3-1/30*a2*a1^4-1/9*a3^2,
mep[1,3,1,1] = -3/5*a3*a1*a2-1/6*a6-1/8*a2^3-2/15*a1*a5-1/3*a4*a2-1/10*a4*a1^2-1/3*a3^2-1/15*a3*a1^3-7/30*a2^2*a1^2-1/30*a2*a1^4,
mep[2,1,1,2] = -4/9*a3*a1*a2-1/3*a6-2/3*a1*a5-1/6*a4*a2-1/2*a4*a1^2-1/9*a3^2-1/3*a3*a1^3-5/18*a2^2*a1^2-1/6*a2*a1^4,
mep[2,1,2,1] = -7/9*a3*a1*a2-1/6*a6-1/8*a2^3-1/3*a1*a5-1/3*a4*a2-1/4*a4*a1^2-1/9*a3^2-1/6*a3*a1^3-29/72*a2^2*a1^2-1/12*a2*a1^4,
mep[2,2,1,1] = -29/36*a3*a1*a2-1/6*a6-1/16*a2^3-1/3*a1*a5-5/24*a4*a2-1/4*a4*a1^2-2/9*a3^2-1/6*a3*a1^3-7/18*a2^2*a1^2-1/12*a2*a1^4,
mep[3,1,1,1] = -25/36*a3*a1*a2-1/6*a6-3/16*a2^3-1/3*a1*a5-11/24*a4*a2-1/2*a4*a1^2-1/9*a3^2-1/3*a3*a1^3-35/72*a2^2*a1^2-1/6*a2*a1^4,
mep[1,1,1,2] = 1/3*a6+4/15*a1*a5+1/5*a4*a1^2+2/15*a3*a1^3+1/15*a2*a1^4+14/45*a3*a1*a2+29/180*a2^2*a1^2+1/6*a4*a2+1/9*a3^2,
mep[1,1,1,2,1] = 1/6*a6+1/3*a4*a2+1/9*a3^2+17/45*a3*a1*a2+2/15*a1*a5+1/10*a4*a1^2+8/45*a2^2*a1^2+1/15*a3*a1^3+1/30*a2*a1^4+1/8*a2^3,
mep[1,1,2,1,1] = 1/6*a6+5/24*a4*a2+2/15*a1*a5+73/180*a3*a1*a2+1/10*a4*a1^2+59/360*a2^2*a1^2+1/15*a3*a1^3+1/30*a2*a1^4+2/9*a3^2+1/16*a2^3,
mep[1,2,1,1,1] = 1/6*a6+1/3*a4*a2+1/9*a3^2+17/45*a3*a1*a2+2/15*a1*a5+1/10*a4*a1^2+8/45*a2^2*a1^2+1/15*a3*a1^3+1/30*a2*a1^4+1/8*a2^3,
mep[2,1,1,1,1] = 19/36*a3*a1*a2+1/6*a6+1/16*a2^3+1/3*a1*a5+5/24*a4*a2+1/4*a4*a1^2+1/9*a3^2+1/6*a3*a1^3+5/18*a2^2*a1^2+1/12*a2*a1^4,
mep[1,1,1,1,1] = -1/6*a6-5/24*a4*a2-1/9*a3^2-53/180*a3*a1*a2-1/16*a2^3-49/360*a2^2*a1^2-2/15*a1*a5-1/10*a4*a1^2-1/15*a3*a1^3-1/30*a2*a1^4
] : ##


semep7:= [
mep[7] = 10*a2^2*a1^3+6*a2*a1^5+4*a1*a2^3+5*a3*a1^4+3*a1*a3^2+3*a3*a2^2+4*a4*a1^3+2*a4*a3+2*a5*a2+3*a5*a1^2+2*a1*a6
+12*a3*a2*a1^2+6*a4*a1*a2+a1^7+a7, mep[1,6] = -6/7*a7-39/35*a5*a2-17/14*a4*a3-237/140*a4*a1*a2-157/140*a3*a2^2-19/21*a1*a3^2
-191/105*a3*a2*a1^2-211/280*a1*a2^3-317/420*a2^2*a1^3-5/7*a1*a6-4/7*a5*a1^2-3/7*a4*a1^3-2/7*a3*a1^4-1/7*a2*a1^5, mep[2,5]
= -281/252*a2^2*a1^3-2/7*a2*a1^5-27/56*a1*a2^3-4/7*a3*a1^4-65/63*a1*a3^2-1/7*a3*a2^2-6/7*a4*a1^3-25/42*a4*a3-3/7*a5*a2-8/
7*a5*a1^2-10/7*a1*a6-155/63*a3*a2*a1^2-157/84*a4*a1*a2-5/7*a7, mep[3,4] = -29/21*a2^2*a1^3-3/7*a2*a1^5-11/14*a1*a2^3-6/7*
a3*a1^4-8/21*a1*a3^2-17/14*a3*a2^2-9/7*a4*a1^3-1/7*a4*a3-8/7*a5*a1^2-9/7*a4*a1*a2-12/7*a1*a6-53/21*a3*a2*a1^2-10/7*a4*a1*a2-\
4/7*a7, mep[4,3] = -34/21*a2^2*a1^3-4/7*a2*a1^5-17/14*a1*a2^3-8/7*a3*a1^4-13/21*a1*a3^2-11/14*a3*a2^2-12/7*a4*a1^3-6/7*a4
*a3-6/7*a5*a2-9/7*a5*a1^2-6/7*a1*a6-52/21*a3*a2*a1^2-18/7*a4*a1*a2-3/7*a7, mep[5,2] = -475/252*a2^2*a1^3-5/7*a2*a1^5-29/
56*a1*a2^3-10/7*a3*a1^4-124/63*a1*a3^2-6/7*a3*a2^2-8/7*a4*a1^3-59/42*a4*a3-4/7*a5*a2-6/7*a5*a1^2-4/7*a1*a6-286/63*a3*a2*
a1^2-179/84*a4*a1*a2-2/7*a7, mep[6,1] = -1363/420*a2^2*a1^3-6/7*a2*a1^5-629/280*a1*a2^3-17/7*a3*a1^4-23/21*a1*a3^2-263/140
*a3*a2^2-4/7*a4*a1^3-11/14*a4*a3-31/35*a5*a2-3/7*a5*a1^2-2/7*a1*a6-439/105*a3*a2*a1^2-323/140*a4*a1*a2-1/7*a7, mep[1,1,5]
= 73/168*a2^2*a1^3+5/42*a2*a1^5+19/112*a1*a2^3+5/21*a3*a1^4+10/21*a1*a3^2+1/7*a3*a2^2+5/14*a4*a1^3+25/42*a4*a3+3/7*a5*a2+
10/21*a5*a1^2+25/42*a1*a6+83/84*a3*a2*a1^2+139/168*a4*a1*a2+5/7*a7, mep[1,2,4] = 247/630*a2^2*a1^3+2/7*a2*a1^5+211/420*
a1*a2^3+4/21*a3*a1^4+10/63*a1*a3^2+157/210*a3*a2^2+2/7*a4*a1^3+1/7*a4*a3+26/35*a5*a2+8/21*a5*a1^2+10/21*a1*a6+242/315*a3*
a2*a1^2+167/210*a4*a1*a2+4/7*a7, mep[1,3,3] = 317/840*a2^2*a1^3+1/7*a2*a1^5+211/560*a1*a2^3+5/21*a3*a1^4+9/42*a1*a3^2+15/14
*a4*a3+13/35*a5*a2+4/21*a5*a1^2+5/21*a1*a6+331/315*a3*a2*a1^2+377/420*a4*a1*a2+2/7*a7, mep[1,5,1] = 269/840*a2^2*a1^3+1/
42*a2*a1^5+327/560*a1*a2^3+1/21*a3*a1^4+3/7*a1*a3^2+137/140*a3*a2^2+1/14*a4*a1^3+29/35*a5*a2+2/21*a5*a1^2+5/
42*a1*a6+349/420*a3*a2*a1^2+727/840*a4*a1*a2+1/7*a7, mep[2,1,4] = 43/70*a2^2*a1^3+8/35*a2*a1^5+23/105*a1*a2^3+16/35*a3*a1
^4+8/21*a1*a3^2+59/210*a3*a2^2+24/35*a4*a1^3+1/7*a4*a3+12/35*a5*a2+32/35*a5*a1^2+8/7*a1*a6+25/21*a3*a2*a1^2+29/35*a4*a1*
a2+4/7*a7, mep[2,2,3] = 41/70*a2^2*a1^3+6/35*a2*a1^5+151/280*a1*a2^3+12/35*a3*a1^4+2/7*a4*a3+7/140*a3*a2^2+13/35*a4*a1
^3+5/14*a4*a3+9/35*a5*a2+24/35*a5*a1^2+6/7*a1*a6+8/7*a3*a2*a1^2+157/140*a4*a1*a2+3/7*a7, mep[2,3,2] = 193/315*a2^2*a1^3+4
/35*a2*a1^5+19/280*a1*a2^3+8/35*a3*a1^4+68/63*a1*a3^2+25/84*a4*a3+12/35*a4*a4*a3+6/35*a5*a2+4/7
*a1*a6+104/63*a3*a2*a1^2+419/420*a4*a1*a2+2/7*a7, mep[2,4,1] = 757/1260*a2^2*a1^3+2/35*a2*a1^5+153/280*a1*a2^3+4/35*a3*a1
^4+41/63*a1*a3^2+23/70*a3*a2^2+6/35*a4*a1^3+19/42*a4*a3+17/35*a5*a2+8/35*a5*a1^2+1/7*a1*a6+463/315*a3*a2*a1^2+563/420*a4*
a1*a2+1/7*a7, mep[3,1,3] = 125/168*a2^2*a1^3+9/28*a2*a1^5+13/28*a1*a2^3+9/14*a3*a1^4+5/42*a1*a3^2+23/56*a3*a2^2+27/28*a4*
a1^3+3/28*a4*a3+6/7*a5*a2+9/7*a5*a1^2+6/7*a1*a6+103/84*a3*a2*a1^2+215/126*a3*a2*a1^2+37/42*a4*a1*a2+2/7*a7, mep[3,2] = 101/126*a2^2*a1^3+3
/14*a2*a1^5+11/28*a1*a2^3+3/7*a3*a1^4+40/63*a1*a3^2+17/28*a3*a2^2+9/14*a4*a1^3+17/42*a4*a3+4/7*a5*a2+6/7*a5*a1^2+4/7*a1*
a6+215/126*a3*a2*a1^2+37/42*a4*a1*a2+2/7*a7, mep[3,3,1] = 123/140*a2^2*a1^3+3/28*a2*a1^5+369/560*a1*a2^3+3/14*a3*a1^4+3/7
*a1*a3^2+36/35*a3*a2^2-2/9+28*a4*a1^3+2/7*a4*a3+41/70*a5*a2+2/7*a5*a1^2+7/7*a1*a6+261/140*a3*a2*a1^2+303/280*a4*a1*a2+1/7*
a7, mep[4,1,2] = 223/252*a2^2*a1^3+8/21*a2*a1^5+31/168*a1*a2^3+16/21*a3*a1^4+40/63*a1*a3^2+4/21*a3*a2^2+8/7*a4*a1^3+31/42
*a4*a3+4/7*a5*a2+6/7*a5*a1^2+4/7*a1*a6+118/63*a3*a2*a1^2+151/84*a4*a1*a2+2/7*a7, mep[4,2,1] = 481/420*a2^2*a1^3+4/21*a2*
a1^5+363/280*a1*a2^3+8/21*a3*a1^4+3/7*a1*a3^2+151/140*a3*a2^2+4/7*a4*a1^3+19/42*a4*a3+17/35*a5*a2+3/7*a5*a1^2+2/7*a1*a6+
173/105*a3*a2*a1^2+563/420*a4*a1*a2+1/7*a7, mep[5,1,1] = 523/1260*a2^2*a1^3+1/14*a2*a1^5+209/280*a1*a2^3+5/7*a3*a1^4+23/21
*a1*a3^2+123/140*a3*a2^2+4/7*a4*a1^3+11/14*a4*a3+27/70*a5*a2+3/7*a5*a1^2+2/7*a1*a6+563/210*a3*a2*a1^2+183/140*a4*a1*a2+1/
7*a7, mep[1,1,1,4] = -92/315*a2^2*a1^3-2/21*a2*a1^5-23/105*a1*a2^3-4/21*a3*a1^4-10/63*a1*a3^2-59/210*a3*a2^2-2/7*a4*a1^3-\
1/7*a4*a3-12/35*a5*a2-8/21*a5*a1^2-10/21*a1*a6-179/315*a3*a2*a1^2-52/105*a4*a1*a2-4/7*a7, mep[1,2,3] = -73/280*a2^2*a1^
3-1/14*a2*a1^5-127/560*a1*a2^3-1/7*a3*a1^4-2/7*a1*a3^2-47/140*a3*a2^2-3/14*a4*a1^3-5/14*a4*a3-9/35*a5*a2-2/7*a5*a1^2-5/14
*a1*a6-83/140*a3*a2*a1^2-139/280*a4*a1*a2-3/7*a7, mep[1,1,3,2] = -9/35*a2^2*a1^3-1/21*a2*a1^5-19/280*a1*a2^3-1/7*a3*a1^4
-11/21*a1*a3^2-2/35*a3*a2^2-1/7*a4*a1^3-31/42*a4*a3-6/35*a5*a2-4/21*a5*a1^2-5/21*a1*a6-51/70*a3*a2*a1^2-61/105*a4*a1*a2-2
/7*a7, mep[1,1,4,1] = -611/2520*a2^2*a1^3-1/42*a2*a1^5-131/560*a1*a2^3-1/21*a3*a1^4-20/63*a1*a3^2-23/70*a3*a2^2-1/14*a4*
a1^3-19/42*a4*a3-17/35*a5*a2-2/21*a5*a1^2-5/42*a1*a6-781/1260*a3*a2*a1^2-177/280*a4*a1*a2-1/7*a7, mep[1,2,1,3] = -247/840
*a2^2*a1^3-1/14*a2*a1^5-141/560*a1*a2^3-1/7*a3*a1^4-5/42*a1*a3^2-87/280*a3*a2^2-3/14*a4*a1^3-39/70*a5*a2-2/7*
a5*a1^2-5/14*a1*a6-121/210*a3*a2*a1^2-167/280*a4*a1*a2-3/7*a7, mep[1,2,2,2] = -317/1260*a2^2*a1^3-1/21*a2*a1^5-211/840*a1
*a2^3-2/21*a3*a1^4-19/63*a1*a3^2-157/420*a3*a2^2-1/7*a4*a1^3-17/42*a4*a3-13/35*a5*a2-4/21*a5*a1^2-5/21*a1*a6-191/315*a3*
a2*a1^2-79/140*a4*a1*a2-2/7*a7, mep[1,2,3,1] = -541/2520*a2^2*a1^3-1/42*a2*a1^5-673/1680*a1*a2^3-1/21*a3*a1^4-13/63*a1*a3
^2-139/210*a3*a2^2-1/14*a4*a1^3-2/7*a4*a3-17/35*a5*a2-2/21*a5*a1^2-5/42*a1*a6-641/1260*a3*a2*a1^2-461/840*a4*a1*a2-1/7*a7
, mep[1,3,1,2] = -88/315*a2^2*a1^3-1/21*a2*a1^5-53/420*a1*a2^3-2/21*a3*a1^4-26/63*a1*a3^2-13/105*a3*a2^2-1/7*a4*a1^3-4/7*
a4*a3-13/35*a5*a2-4/21*a5*a1^2-5/21*a1*a6-226/315*a3*a2*a1^2-68/105*a4*a1*a2-2/7*a7, mep[1,3,2,1] = -57/280*a2^2*a1^3-1/
42*a2*a1^5-243/560*a1*a2^3-1/21*a3*a1^4-11/42*a1*a3^2-211/280*a3*a2^2-1/14*a4*a1^3-31/84*a4*a3-27/70*a5*a2-2/21*a5*a1^2-5
/42*a1*a6-18/35*a3*a2*a1^2-433/840*a4*a1*a2-1/7*a7, mep[1,4,1,1] = -37/168*a2^2*a1^3-1/42*a2*a1^5-101/336*a1*a2^3-1/21*a3
*a1^4-3/7*a1*a3^2-43/84*a3*a2^2-1/14*a4*a1^3-13/21*a4*a3-2/7*a5*a2-2/21*a5*a1^2-5/42*a1*a6-53/84*a3*a2*a1^2-95/168*a4*a1*
a2-1/7*a7, mep[2,1,1,3] = -44/105*a2^2*a1^3-6/35*a2*a1^5-81/280*a1*a2^3-12/35*a3*a1^4-5/42*a1*a3^2-59/280*a3*a2^2-18/35*
a4*a1^3-3/28*a4*a3-9/35*a5*a2-24/35*a5*a1^2-6/7*a1*a6-61/84*a3*a2*a1^2-87/140*a4*a1*a2-3/7*a7, mep[2,1,2,2] = -527/1260*
a2^2*a1^3-4/35*a2*a1^5-23/210*a1*a2^3-8/35*a3*a1^4-40/63*a1*a3^2-59/280*a3*a2^2-13/35*a4*a1^3-17/42*a4*a3-6/35*a5*a2-16/
35*a5*a1^2-4/7*a1*a6-131/126*a3*a2*a1^2-61/105*a4*a1*a2-2/7*a7, mep[2,1,3,1] = -367/840*a2^2*a1^3-2/35*a2*a1^5-449/1680*
a1*a2^3-4/35*a3*a1^4-3/7*a1*a3^2-23/105*a3*a2^2-6/35*a4*a1^3-27/70*a5*a2-8/35*a5*a1^2-2/7*a1*a6-433/420*a3*a2*
a1^2-261/280*a4*a1*a2-1/7*a7, mep[2,2,1,2] = -281/630*a2^2*a1^3-4/35*a2*a1^5-19/280*a1*a2^3-8/35*a3*a1^4-26/63*a1*a3^2-2/
35*a3*a2^2-12/35*a4*a1^3-17/42*a4*a3-16/35*a5*a2-2/7*a1*a6-62/63*a3*a2*a1^2-349/420*a4*a1*a2-2/7*a7, mep[2,2
,2,1] = -121/315*a2^2*a1^3-2/35*a2*a1^5-4/7*a1*a2^3-4/35*a3*a1^4-20/63*a1*a3^2-3/7*a3*a2^2-6/35*a4*a1^3-2/7*a4*a3-2/7*a5*
a2-8/35*a5*a1^2-2/7*a1*a6-274/315*a3*a2*a1^2-6/7*a4*a1*a2-1/7*a7, mep[2,3,1,1] = -101/252*a2^2*a1^3-2/35*a2*a1^5-19/70*a1
*a2^3-4/35*a3*a1^4-41/63*a1*a3^2-8/35*a3*a2^2-6/35*a4*a1^3-19/42*a4*a3-13/70*a5*a2-8/35*a5*a1^2-2/7*a1*a6-337/315*a3*a2*
a1^2-311/420*a4*a1*a2-1/7*a7, mep[3,1,1,2] = -139/252*a2^2*a1^3-3/14*a2*a1^5-31/168*a1*a2^3-3/7*a3*a1^4-19/63*a1*a3^2-4/
21*a3*a2^2-9/14*a4*a1^3-5/21*a4*a3-4/7*a5*a2-6/7*a5*a1^2-4/7*a1*a6-87/84*a4*a1*a2-2/7*a7, mep[3,1,2,1]
= -169/280*a2^2*a1^3-3/28*a2*a1^5-153/280*a1*a2^3-3/14*a3*a1^4-11/42*a1*a3^2-197/280*a3*a2^2-9/28*a4*a1^3-17/84*a4*a3-17/
35*a5*a2-3/7*a5*a1^2-2/7*a1*a6-517/420*a3*a2*a1^2-353/420*a4*a1*a2-1/7*a7, mep[3,2,1,1] = -81/140*a2^2*a1^3-3/28*a2*a1^5-\
243/560*a1*a2^3-3/14*a3*a1^4-3/7*a1*a3^2-22/35*a3*a2^2-9/28*a4*a1^3-2/7*a4*a3-27/70*a5*a2-3/7*a5*a1^2-2/7*a1*a6-177/140*
a3*a2*a1^2-191/280*a4*a1*a2-1/7*a7, mep[4,1,1,1] = -313/420*a2^2*a1^3-2/21*a2*a1^5-487/840*a1*a2^3-8/21*a3*a1^4-3/7*a1*a3
^2-229/420*a3*a2^2-4/7*a4*a1^3-19/42*a4*a3-27/70*a5*a2-3/7*a5*a1^2-2/7*a1*a6-283/210*a3*a2*a1^2-479/420*a4*a1*a2-1/7*a7,
mep[1,1,1,3] = 23/105*a2^2*a1^3+1/14*a2*a1^5+23/140*a1*a2^3+1/7*a3*a1^4+5/42*a1*a3^2+59/280*a3*a2^2+3/14*a4*a1^3+3/28*
a4*a3+9/35*a5*a2+2/7*a5*a1^2+5/14*a1*a6+179/420*a3*a2*a1^2+12/35*a4*a1*a2+3/7*a7, mep[1,1,2,2] = 127/630*a2^2*a1^3+1/21
*a2*a1^5+23/210*a1*a2^3+2/21*a3*a1^4+19/63*a1*a3^2+59/420*a3*a2^2+1/7*a4*a1^3+17/42*a4*a3+6/35*a5*a2+4/21*a5*a1^2+5/21*a1
*a6+319/630*a3*a2*a1^2+29/70*a4*a1*a2+2/7*a7, mep[1,1,3,1] = 239/1260*a2^2*a1^3+1/42*a2*a1^5+1/21*a3*a1^4+
4+13/63*a1*a3^2+31/105*a3*a2^2+1/14*a4*a1^3+2/7*a4*a3+27/70*a5*a2+2/21*a5*a1^2+5/42*a1*a6+289/630*a3*a2*a1^2+199/420*a4*
a1*a2+1/7*a7, mep[1,2,1,2] = 127/630*a2^2*a1^3+1/21*a2*a1^5+19/280*a1*a2^3+2/21*a3*a1^4+19/63*a1*a3^2+2/35*a3*a2^2+1/7*
a4*a1^3+17/42*a4*a3+6/35*a5*a2+4/21*a5*a1^2+5/21*a1*a6+319/630*a3*a2*a1^2+29/70*a4*a1*a2+2/7*a7, mep[1,2,2,1] = 83/504*
a2^2*a1^3+1/42*a2*a1^5+29/112*a1*a2^3+1/21*a3*a1^4+13/63*a1*a3^2+3/7*a3*a2^2+1/14*a4*a1^3+2/7*a4*a3+2/7*a5*a2+2/21*a5*a1^
2+5/42*a1*a6+103/252*a3*a2*a1^2+67/168*a4*a1*a2+1/7*a7, mep[1,1,3,1,1] = 211/1260*a2^2*a1^3+1/42*a2*a1^5+41/280*a1*a2^3+1
/21*a3*a1^4+20/63*a1*a3^2+8/35*a3*a2^2+1/14*a4*a1^3+19/42*a4*a3+13/70*a5*a2+2/21*a5*a1^2+5/42*a1*a6+148/315*a3*a2*a1^2+57
/140*a4*a1*a2+1/7*a7, mep[1,2,1,1,1] = 47/210*a2^2*a1^3+1/21*a2*a1^5+53/420*a1*a2^3+2/21*a3*a1^4+2/7*a1*a3^2+13/105*a3*
a2^2+1/7*a4*a1^3+5/21*a4*a3+13/35*a5*a2+4/21*a5*a1^2+5/21*a1*a6+52/105*a3*a2*a1^2+101/210*a4*a1*a2+2/7*a7, mep[1,2,1,2,1]
= 443/2520*a2^2*a1^3+1/42*a2*a1^5+173/560*a1*a2^3+1/21*a3*a1^4+19/126*a1*a3^2+141/280*a3*a2^2+1/14*a4*a1^3+17/84*a4*a3+27
/70*a5*a2+2/21*a5*a1^2+5/42*a1*a6+127/315*a3*a2*a1^2+121/280*a4*a1*a2+1/7*a7, mep[1,2,2,1,1] = 83/504*a2^2*a1^3+1/42*a2*
a1^5+29/112*a1*a2^3+1/21*a3*a1^4+13/63*a1*a3^2+3/7*a3*a2^2+1/14*a4*a1^3+2/7*a5*a2+2/21*a5*a1^2+5/42*a1*a6+103/
252*a3*a2*a1^2+67/168*a4*a1*a2+1/7*a7, mep[1,3,1,1,1] = 5/28*a2^2*a1^3+1/42*a2*a1^5+5/21*a1*a2^3+1/21*a3*a1^4+11/42*a1*a3
^2+65/168*a3*a2^2+1/14*a4*a1^3+31/84*a4*a3+2/7*a5*a2+2/21*a5*a1^2+5/42*a1*a6+6/13/28*a3*a2*a1^2+37/84*a4*a1*a2+1/7*a7, mep[
2,1,1,1,2] = 211/630*a2^2*a1^3+4/35*a2*a1^5+19/280*a1*a2^3+8/35*a3*a1^4+19/63*a1*a3^2+2/35*a3*a2^2+12/35*a4*a1^3+5/21*a4*
a3+6/35*a5*a2+16/35*a5*a1^2+4/7*a1*a6+89/126*a3*a2*a1^2+209/420*a4*a1*a2+2/7*a7, mep[2,1,1,2,1] = 23/70*a2^2*a1^3+2/35*a2
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*a1^5+9/28*a1*a2^3+4/35*a3*a1^4+11/42*a1*a3^2+17/56*a3*a2^2+6/35*a4*a1^3+17/84*a4*a3+2/7*a5*a2+8/35*a5*a1^2+2/7*a1*a6+307
/420*a3*a2*a1^2+29/42*a4*a1*a2+1/7*a7, mep[2,1,2,1,1] = 17/56*a2^2*a1^3+2/35*a2*a1^5+117/560*a1*a2^3+4/35*a3*a1^4+3/7*a1*
a3^2+8/35*a3*a2^2+6/35*a4*a1^3+2/7*a4*a3+13/70*a5*a2+8/35*a5*a1^2+2/7*a1*a6+107/140*a3*a2*a1^2+149/280*a4*a1+1/7*a7,
mep[2,2,1,1,1] = 20/63*a2^2*a1^3+2/35*a2*a1^5+19/70*a1*a2^3+4/35*a3*a1^4+20/63*a1*a3^2+8/35*a3*a2^2+6/35*a4*a1^3+2/7*a4*
a3+13/70*a5*a2+8/35*a5*a1^2+2/7*a1*a6+232/315*a3*a2*a1^2+23/35*a4*a1+1/7*a7, mep[3,1,1,1,1] = 127/280*a2^2*a1^3+3/28*
a2*a1^5+277/840*a1*a2^3+3/14*a3*a1^4+11/42*a1*a3^2+353/840*a3*a2^2+9/28*a4*a1^3+17/84*a4*a3+27/70*a5*a2+3/7*a5*a1^2+2/7*
a1*a6+391/420*a3*a2*a1^2+269/420*a4*a1*a2+1/7*a7, mep[1,1,1,1,2] = -73/420*a2^2*a1^3-1/21*a2*a1^5-19/280*a1*a2^3-2/21*
a3*a1^4-4/21*a1*a3^2-2/35*a3*a2^2-1/7*a4*a1^3-5/21*a4*a3-6/35*a5*a2-4/21*a5*a1^2-5/21*a1*a6-83/210*a3*a2*a1^2-139/420*a4*
a1*a2-2/7*a7, mep[1,1,1,2,1] = -19/126*a2^2*a1^3-1/42*a2*a1^5-11/56*a1*a2^3-1/21*a3*a1^4-19/126*a1*a3^2-17/56*a3*a2^2-1
/14*a4*a1^3-17/84*a4*a3-2/7*a5*a2-2/21*a5*a1^2-5/42*a1*a6-89/252*a3*a2*a1^2-5/14*a4*a1*a2-1/7*a7, mep[1,1,1,2,1,1] = -44/
315*a2^2*a1^3-1/42*a2*a1^5-41/280*a1*a2^3-1/21*a3*a1^4-13/63*a1*a3^2-8/35*a3*a2^2-1/14*a4*a1^3-2/7*a4*a3-13/70*a5*a2-2/21
*a5*a1^2-5/42*a1*a6-113/315*a3*a2*a1^2-34/105*a4*a1-1/7*a7, mep[1,1,2,1,1,1] = -44/315*a2^2*a1^3-1/42*a2*a1^5-41/280*
a1*a2^3-1/21*a3*a1^4-13/63*a1*a3^2-8/35*a3*a2^2-1/14*a4*a1^3-2/7*a4*a3-13/70*a5*a2-2/21*a5*a1^2-5/42*a1*a6-113/315*a3*a2*
a1^2-34/105*a4*a1-1/7*a7, mep[1,2,1,1,1,1] = -19/126*a2^2*a1^3-2/35*a2*a1^5-11/56*a1*a2^3-1/21*a3*a1^4-19/126*a1*a3^2-\
17/56*a3*a2^2-1/14*a4*a1^3-17/84*a4*a3-2/7*a5*a2-2/21*a5*a1^2-5/42*a1*a6-89/252*a3*a2^2*a1^2-5/14*a4*a1*a2-1/7*a7, mep[2,1,
1,1,1,1] = -11/42*a2^2*a1^3-2/35*a2*a1^5-79/420*a1*a2^3-4/35*a3*a1^4-11/42*a1*a3^2-157/840*a3*a2^2-6/35*a4*a1^3-17/84*a4*
a3-13/70*a5*a2-8/35*a5*a1^2-2/7*a1*a6-251/420*a3*a2*a1^2-103/210*a4*a1*a2-1/7*a7, mep[1,1,1,1,1,1] = 1/7*a7+13/70*a5*a2
+17/84*a4*a3+79/280*a4*a1*a2+157/840*a3*a2^2+19/126*a1*a3^2+191/630*a3*a2*a1^2+211/1680*a1*a2^3+317/2520*a2^2*a1^3+5/42*
a1*a6+2/21*a5*a1^2+1/14*a4*a1^3+1/21*a3*a1^4+1/42*a2*a1^5] : ##

semep8:=[
mep[8] = 10*a2^3*a1^2+7*a2*a1^6+15*a2^2*a1^4+a1^8+6*a5*a1*a2+6*a4*a1*a3+2*a6*a2+3*a6*a1^2+2*a5*a3+4*a5*a1^3+a4^2+3*a4*a2
^2+5*a4*a1^4+a8+2*a1*a7+a2^4+12*a4*a2*a1^2+12*a3*a1*a2^2+20*a3*a2*a1^2+12*a3*a1^3+3*a3^2*a2+6*a3^2*a1^2+6*a3*a1*a1^5, mep[1,7] = -1807/
1440*a2^3*a1^2-1/8*a2*a1^6-129/160*a2^2*a1^4-37/20*a5*a1*a2-81/40*a4*a1*a3-7/8*a6*a2-5/8*a6*a1^2-77/60*a5*a3-1/2*a5*a1^3-\
21/32*a4^2-119/96*a4*a2^2-3/8*a4*a1^4-7/8*a8-3/4*a1*a7-35/128*a2^4-171/80*a4*a2*a1^2-1991/720*a3*a1*a2^2-247/120*a3*a2*a1
^3-469/360*a3*a2^2-137/120*a3^2*a1^2-1/4*a3*a1^5, mep[2,6] = -73/60*a2^3*a1^2-1/4*a2*a1^6-51/40*a2^2*a1^4-21/10*a5*a1*a2-\
12/5*a4*a1*a3-1/2*a6*a2-5/4*a6*a1^2-7/10*a5*a3-a5*a1^3-3/8*a4^2-1/4*a4*a2^2-3/4*a4*a1^4-3/4*a8-3/2*a1*a7-59/20*a4*a2*a1^2
-59/30*a3*a1*a2^2-31/10*a3*a2*a1^3-19/60*a3^2*a2-8/5*a3^2*a1^2-1/2*a3*a1^5, mep[3,5] = -149/96*a2^3*a1^2-3/8*a2*a1^6-53/
32*a2^2*a1^4-7/4*a5*a1*a2-9/8*a4*a1*a3-5/4*a6*a2-15/8*a6*a1^2-1/4*a5*a3-3/2*a5*a1^3-5/32*a4^2-45/32*a4*a2^2-9/8*a4*a1^4-5
/8*a8-5/4*a1*a7-55/128*a2^4-51/16*a4*a2*a1^2-109/48*a3*a1*a2^2-29/8*a3*a2*a1^3-17/24*a3^2*a2-11/8*a3^2*a1^2-3/4*a3*a1^5,
mep[4,4] = -2*a2^3*a1^2-1/2*a2*a1^6-2*a2^2*a1^4-3*a5*a1*a2-a4*a1*a3-a6*a2-3/2*a6*a1^2-a5*a3-2*a5*a1^3-1/2*a4^2-3/2*a4*
a1^4-1/2*a8-a1*a7-3*a4*a2*a1^2-4*a3*a1*a2^2-3*a3*a2*a1^3-3/2*a3^2*a2-a3^2*a1^2-2*a3*a1^5, mep[5,3] = -235/96*a2^3*a1^2-5/8*
a2*a1^6-75/32*a2^2*a1^4-9/4*a5*a1*a2-23/8*a4*a1*a3-3/4*a6*a2-9/8*a6*a1^2-3/4*a5*a3-3/2*a5*a1^3-27/32*a4^2-51/32*a4*a2^2-\
15/8*a4*a1^4-3/8*a8-3/4*a1*a7-73/128*a2^4-77/16*a4*a2*a1^2-131/48*a3*a1*a2^2-35/8*a3*a2*a1^3-7/24*a3^2*a2-13/8*a3^2*a1^2-\
5/4*a3*a1^5, mep[6,2] = -107/60*a2^3*a1^2-3/4*a2*a1^6-109/40*a2^2*a1^4-19/10*a5*a1*a2-18/5*a4*a1*a3-1/2*a6*a2-3/4*a6*a1^2
-13/10*a5*a3-a5*a1^3-5/8*a4^2-3/4*a4*a2^2-5/4*a4*a1^4-1/4*a8-1/2*a1*a7-81/20*a4*a2*a1^2-121/30*a3*a1*a2^2-69/10*a3*a2*a1^
3-101/60*a3^2*a2-17/5*a3^2*a1^2-3/2*a3*a1^5, mep[7,1] = -6833/1440*a2^3*a1^2-7/8*a2*a1^6-671/160*a2^2*a1^4-43/20*a5*a1*a2
-79/40*a4*a1*a3-5/6*a6*a2-3/8*a6*a1^2-43/60*a5*a3-1/2*a5*a1^3-11/32*a4^2-169/96*a4*a2^2-5/8*a4*a1^4-1/8*a8-1/4*a1*a7-93/
128*a2^4-309/80*a4*a2*a1^2-4489/720*a3*a1*a2^2-713/120*a3*a2*a1^3-611/360*a3^2*a2-1/2*a3^2*a1^2-1/2*a3*a1^5, mep[1,1,
6] = 389/840*a2^3*a1^2+3/28*a2*a1^6+437/840*a2^2*a1^4+69/70*a5*a1*a2+83/70*a4*a1*a3+1/2*a6*a2+15/28*a6*a1^2+7/10*a5*a3+3/
7*a5*a1^3+3/8*a4^2+1/4*a4*a2^2+9/28*a4*a1^4+3/4*a8+9/14*a1*a7+44/35*a4*a2*a1^2+71/84*a3*a1*a2^2+269/210*a3*a2*a1^3+19/60*
a3^2*a2+73/105*a3^2*a1^2+1/4*a3*a1^5, mep[1,2,5] = 1471/2016*a2^3*a1^2+1/7*a2*a1^6+923/2016*a2^2*a1^4+83/84*a5*a1*a2+89
/168*a4*a1*a3+5/6*a6*a2+25/56*a6*a1^2+1/4*a5*a3+5/14*a5*a1^3+5/32*a4^2+85/96*a4*a2^2+15/56*a4*a1^4+5/8*a8+15/28*a1*a7+35/
128*a2^4+359/336*a4*a2*a1^2+1403/1008*a3*a1*a2^2+503/504*a3*a2*a1^3+31/72*a3^2*a2+173/504*a3^2*a1^2+5/28*a3*a1^5, mep[1,3
,4] = 851/1260*a2^3*a1^2+1/14*a2*a1^6+44/105*a2^2*a1^4+37/35*a5*a1*a2+23/35*a4*a1*a3+2/3*a6*a2+5/14*a6*a1^2+11/15*a5*a3+2
/7*a5*a1^3+1/3*a4*a2^2+3/14*a4*a1^4+1/2*a8+3/7*a1*a7+34/35*a4*a2*a1^2+524/315*a3*a1*a2^2+106/105*a3*a2*a1^3+97/90*a3^2*a2
+17/35*a3^2*a1^2+1/7*a3*a1^5, mep[1,4,3] = 649/1120*a2^3*a1^2+3/56*a2*a1^6+1301/3360*a2^2*a1^4+111/140*a5*a1*a2+383/280*
a4*a1*a3+1/2*a6*a2+15/56*a6*a1^2+11/20*a5*a3+3/14*a5*a1^3+3/32*a4^2+29/32*a4*a2^2+9/56*a4*a1^4+3/8*a8+9/28*a1*a7+35/128*
a2^4+653/560*a4*a2*a1^2+617/560*a3*a1*a2^2+881/840*a3*a2*a1^3+9/40*a3^2*a2+551/840*a3^2*a1^2+3/28*a3*a1^5, mep[1,5,2] =
2647/5040*a2^3*a1^2+1/28*a2*a1^6+439/1260*a2^2*a1^4+181/210*a5*a1*a2+157/105*a4*a1*a3+1/3*a6*a2+5/28*a6*a1^2+31/30*a5*a3+
1/7*a5*a1^3+1/2*a4^2+17/48*a4*a2^2+3/28*a4*a1^4+1/4*a8+3/14*a1*a7+449/420*a4*a2*a1^2+1361/2520*a3*a1*a2^2+334/315*a3*a2*
a1^3+157/180*a3^2*a2+503/630*a3^2*a1^2+1/14*a3*a1^5, mep[1,6,1] = 7981/10080*a2^3*a1^2+1/56*a2*a1^6+961/3360*a2^2*a1^4+
121/140*a5*a1*a2+47/56*a4*a1*a3+2/3*a6*a2+5/56*a6*a1^2+7/12*a5*a3+1/14*a5*a1^3+9/32*a4^2+95/96*a4*a2^2+3/56*a4*a1^4+1/8*
a8+3/28*a1*a7+35/128*a2^4+493/560*a4*a2*a1^2+9677/5040*a3*a1*a2^2+653/840*a3*a2*a1^3+71/72*a3^2*a2+25/56*a3^2*a1^2+1/28*
a3*a1^5, mep[2,1,5] = 161/288*a2^3*a1^2+1/2*a2*a1^6+233/288*a2^2*a1^4+1/2*a5*a1*a2+5/12*a5*a3+5/12*a6*a2+25/24*a6*a1
^2+1/4*a5*a3+5/6*a5*a1^3+5/32*a4^2-35/96*a4*a2^2-5/8*a4*a1^4+5/8*a8+5/4*a1*a7+15/128*a2^4+79/48*a4*a2*a1^2+115/144*a3*a1*
a2^2+131/72*a3*a2*a1^3+11/72*a3^2*a2+59/72*a3^2*a1^2+5/12*a3*a1^5, mep[2,2,4] = 83/90*a2^3*a1^2+1/6*a2*a1^6+32/45*a2^2*a1
^4+7/5*a5*a1*a2+3/5*a4*a1*a3+1/3*a6*a2+5/6*a6*a1^2+7/15*a5*a3+2/3*a5*a1^3+1/6*a4*a2^2+1/2*a4*a1^4+1/2*a8+a1*a7+22/15*a4*
a2*a1^2+79/45*a3*a1*a2^2+68/45*a3*a2*a1^3+59/90*a3^2*a2+23/45*a3^2*a1^2+1/3*a3*a1^5, mep[2,3,3] = 337/480*a2^3*a1^2+1/8*
a2*a1^6+107/160*a2^2*a1^4+21/20*a5*a1*a2+63/40*a4*a1*a3+1/4*a6*a2+7/20*a6*a1^2+1/2*a5*a3+1/5*a5*a1^3+1/32*a4^2+13/32*a4*
a2^2+3/8*a4*a1^4+3/8*a8+3/4*a1*a7+9/128*a2^4+133/80*a4*a2*a1^2+281/240*a3*a1*a2^2+67/40*a3*a2*a1^3+19/120*a3^2*a2+37/40*
a3^2*a1^2+1/4*a3*a1^5, mep[2,4,2] = 29/60*a2^3*a1^2+1/12*a2*a1^6+227/360*a2^2*a1^4+29/30*a5*a1*a2+11/5*a4*a1*a3+1/6*a6*a2
+5/12*a6*a1^2+23/30*a5*a3+1/3*a5*a1^3+3/8*a4^2+1/12*a4*a2^2+1/4*a4*a1^4+1/4*a8+1/2*a1*a7+101/60*a4*a2*a1^2+9/10*a3*a1*a2^
2+167/90*a3*a2*a1^3+17/60*a3^2*a2+61/45*a3^2*a1^2+1/6*a3*a1^5, mep[2,5,1] = 479/480*a2^3*a1^2+1/24*a2*a1^6+791/1440*a2^2*
a1^4+27/20*a5*a1*a2+51/40*a4*a1*a3+1/2*a6*a2+5/24*a6*a1^2+9/20*a5*a3+1/6*a5*a1^3+7/32*a4^2+13/32*a4*a2^2+1/8*a4*a1^4+1/8*
a8+1/4*a1*a7+5/128*a2^4+373/240*a4*a2*a1^2+457/240*a3*a1*a2^2+521/360*a3*a2*a1^3+53/120*a3^2*a2+281/360*a3^2*a1^2+1/12*a3
*a1^5, mep[3,1,4] = 13/15*a2^3*a1^2+3/10*a2*a1^6+31/30*a2^2*a1^4+7/15*a5*a1*a2+2/5*a4*a1*a3+a6*a2+2/5*a6*a1^2+1/5*a5*a3+6/
5*a5*a1^3+1/2*a4*a2^2+9/10*a4*a1^4+1/2*a8+a1*a7+9/5*a4*a2*a1^2+47/30*a3*a1*a2^2+31/15*a3*a2*a1^3+17/30*a3^2*a2+3/5*a3^2*
a1^2+3/5*a3*a1^5, mep[3,2,3] = 557/480*a2^3*a1^2+1/2*a2*a1^6+9/40*a2^2*a1^4+7/5*a5*a1*a2+23/8*a4*a1*a3+3/4*a6*a2+9
/8*a6*a1^2+3/20*a5*a3+9/10*a5*a1^3+9/32*a4^2+33/32*a4*a2^2+27/40*a4*a1^4+3/8*a8+3/4*a1*a7+55/128*a2^4+163/80*a4*a2*a1^2+
337/240*a3*a1*a2^2+77/40*a3*a2*a1^3+11/120*a3^2*a2+23/40*a3^2*a1^2+1/2*a3*a1^5, mep[3,3,2] = 51/80*a2^3*a1^2+3/20*a2*a1^
6+9/10*a2^2*a1^4+9/10*a5*a1*a2+3/2*a4*a1*a3+1/2*a6*a2+3/4*a6*a1^2+1/2*a5*a3+3/5*a5*a1^3+1/4*a4*a2^2+9/20*a4*a1^
4+1/4*a8+1/2*a1*a7+9/5*a4*a2*a1^2+57/40*a3*a1*a2^2+12/5*a3*a2*a1^3+3/4*a3^2*a2+2/3*a3^2*a1^2+3/10*a3*a1^5, mep[3,4,1] =
1763/1440*a2^3*a1^2+3/40*a2*a1^6+79/96*a2^2*a1^4+23/20*a5*a1*a2+37/40*a4*a1*a3+7/12*a6*a2+3/8*a6*a1^2+19/60*a5*a3+3/10*a5
*a1^3+5/32*a4^2+103/96*a4*a2^2+9/40*a4*a1^4+1/8*a8+1/4*a1*a7+55/128*a2^4+159/80*a4*a2*a1^2+263/144*a3*a1*a2^2+81/40*a3*a2
*a1^3+203/360*a3^2*a2+109/120*a3^2*a1^2+3/20*a3*a1^5, mep[4,1,3] = 103/96*a2^3*a1^2+3/8*a2*a1^6+39/32*a2^2*a1^4+4/9*a5*a1
*a2+7/8*a4*a1*a3+3/4*a6*a2+9/8*a6*a1^2+3/4*a5*a3+3/2*a5*a1^3+3/32*a4^2+15/32*a4*a2^2+9/8*a4*a1^4+3/8*a8+3/4*a1*a7+25/128*
a2^4+37/16*a4*a2*a1^2+71/48*a3*a1*a2^2+19/8*a3*a2*a1^3+7/24*a3^2*a2+5/8*a3^2*a1^2+3/4*a3*a1^5, mep[4,2,2] = 197/180*a2^3*
a1^2+1/4*a2*a1^6+139/120*a2^2*a1^4+49/30*a5*a1*a2+6/5*a4*a1*a3+1/2*a6*a2+3/4*a6*a1^2+23/30*a5*a3+a5*a1^3+9/8*a4^2+1/4*a4*
a2^2+3/4*a4*a1^4+1/4*a8+1/2*a1*a7+37/20*a4*a2*a1^2+211/90*a3*a1*a2^2+79/30*a3*a2*a1^3+191/180*a3^2*a2+17/15*a3^2*a1^2+1/2
*a3*a1^5, mep[4,3,1] = 253/160*a2^3*a1^2+1/8*a2*a1^6+179/160*a2^2*a1^4+27/20*a5*a1*a2+31/40*a4*a1*a3+1/2*a6*a2+3/8*a6*a1^
2+9/20*a5*a3+1/2*a5*a1^3+3/32*a4^2+23/32*a4*a2^2+3/8*a4*a1^4+1/8*a8+1/4*a1*a7+13/128*a2^4+141/80*a4*a2*a1^2+269/80*a3*a1*
a2^2+99/40*a3*a2*a1^3+51/40*a3^2*a2+29/40*a3^2*a1^2+1/4*a3*a1^5, mep[5,1,2] = 47/60*a2^3*a1^2+5/12*a2*a1^6+167/120*a2^2*
a1^4+47/30*a5*a1*a2+34/15*a4*a1*a3+1/2*a6*a2+3/4*a6*a1^2+19/30*a5*a3+a5*a1^3+5/8*a4^2+3/4*a4*a2^2+5/4*a4*a1^4+1/4*a8+1/2*
a1*a7+203/60*a4*a2*a1^2+41/30*a3*a1*a2^2+97/30*a3*a2*a1^3+7/20*a3^2*a2+7/5*a3^2*a1^2+5/6*a3*a1^5, mep[5,2,1] = 3463/1440*
a2^3*a1^2+5/24*a2*a1^6+231/160*a2^2*a1^4+23/20*a5*a1*a2+157/120*a4*a1*a3+5/12*a6*a2+3/8*a6*a1^2+23/60*a5*a3+1/2*a5*a1^3+
11/32*a4^2+119/96*a4*a2^2+5/8*a4*a1^4+1/4*a8+1/4*a1*a7+73/128*a2^4+2279/720*a3*a1*a2^2+293/120*a3*a2*
a1^3+271/360*a3^2*a2+103/120*a3^2*a1^2+5/12*a3*a1^5, mep[6,1,1] = 2513/1440*a2^3*a1^2+3/8*a2*a1^6+271/160*a2^2*a1^4+23/20
*a5*a1*a2+79/40*a4*a1*a3+1/3*a6*a2+3/8*a6*a1^2+43/60*a5*a3+1/2*a5*a1^3+11/32*a4^2+7/8*a4*a2^2+5/8*a4*a1^4+1/8*a1
*a7+29/128*a2^4+189/80*a4*a2*a1^2+2329/720*a3*a1*a2^2+473/120*a3*a2*a1^3+431/360*a3^2*a2+223/120*a3^2*a1^2+3/4*a3*a1^5,
mep[1,1,1,5] = -785/2016*a2^3*a1^2-5/56*a2*a1^6-755/2016*a2^2*a1^4-55/84*a5*a1*a2-89/168*a4*a1*a3-5/12*a6*a2-25/56*a6*a1^
2-1/4*a5*a3-5/14*a5*a1^3-5/32*a4^2-35/96*a4*a2^2-15/56*a4*a1^4-5/8*a8-15/28*a1*a7-35/128*a2^4-275/336*a4*a2*a1^2-661/1008
*a3*a1*a2^2-419/504*a3*a2*a1^3-11/72*a3^2*a2-173/504*a3^2*a1^2-5/28*a3*a1^5, mep[1,1,2,4] = -529/1260*a2^3*a1^2-1/14*a2*
a1^6-67/210*a2^2*a1^4-23/35*a5*a1*a2-16/35*a4*a1*a3-1/3*a6*a2-5/14*a6*a1^2-7/15*a5*a3-2/7*a5*a1^3-1/6*a4*a2^2-3/14*a4*a1^
4-1/2*a8-3/7*a1*a7-47/70*a4*a2*a1^2-127/126*a3*a1*a2^2-26/35*a3*a2*a1^3-59/90*a3^2*a2-37/105*a3^2*a1^2-1/7*a3*a1^5, mep[1
,1,3,3] = -1093/3360*a2^3*a1^2-3/56*a2*a1^6-979/3360*a2^2*a1^4-69/140*a5*a1*a2-277/280*a4*a1*a3-1/4*a6*a2-15/56*a6*a1^2-7
/20*a5*a3-3/14*a5*a1^3-15/32*a4^2-13/32*a4*a2^2-9/56*a4*a1^4-3/8*a8-9/28*a1*a7-9/128*a2^4-457/560*a4*a2*a1^2-205/336*a3*
a1*a2^2-643/840*a3*a2*a1^3-19/120*a3^2*a2-397/840*a3^2*a1^2-3/28*a3*a1^5, mep[1,1,4,2] = -13/56*a2^3*a1^2-1/28*a2*a1^6-15
/56*a2^2*a1^4-25/42*a5*a1*a2-79/70*a4*a1*a3-1/6*a6*a2-5/28*a6*a1^2-23/30*a5*a3-1/7*a5*a1^3-3/8*a4*a2^2-3/28*a4*
a1^4-1/4*a8-3/14*a1*a7-11/14*a4*a2*a1^2-221/420*a3*a1*a2^2-169/210*a3*a2*a1^3-17/60*a3^2*a2-64/105*a3^2*a1^2-1/14*a3*a1^5
, mep[1,1,5,1] = -1391/3360*a2^3*a1^2-1/56*a2*a1^6-2309/10080*a2^2*a1^4-93/140*a5*a1*a2-551/840*a4*a1*a3-1/2*a6*a2-5/56*
a6*a1^2-9/20*a5*a3-1/14*a5*a1^3-7/32*a4^2-13/32*a4*a2^2-3/56*a4*a1^4-1/8*a8-3/28*a1*a7-5/128*a2^4-1157/1680*a4*a2*a1^2-\
311/336*a3*a1*a2^2-1553/2520*a3*a2*a1^3-53/120*a3^2*a2-887/2520*a3^2*a1^2-1/28*a3*a1^5, mep[1,2,1,4] = -613/1260*a2^3*a1^
2-1/14*a2*a1^6-37/105*a2^2*a1^4-83/105*a5*a1*a2-9/35*a4*a1*a3-2/3*a6*a2-5/14*a6*a1^2-1/5*a5*a3-2/7*a5*a1^3-1/3*a4*a2^2-3/
14*a4*a1^4-1/2*a8-3/7*a1*a7-27/35*a4*a2*a1^2-307/315*a3*a1*a2^2-26/35*a3*a2*a1^3-41/90*a3^2*a2-23/105*a3^2*a1^2-1/7*a3*a1
^5, mep[1,2,2,3] = -1541/3360*a2^3*a1^2-3/56*a2*a1^6-331/1120*a2^2*a1^4-83/140*a5*a1*a2-159/280*a4*a1*a3-1/2*a6*a2-15/56*
a6*a1^2-3/20*a5*a3-3/14*a5*a1^3-9/32*a4^2-29/32*a4*a2^2-9/56*a4*a1^4-3/8*a8-9/28*a1*a7-35/128*a2^4-423/320*a4*a2*a1^2-\
1333/1680*a3*a1*a2^2-191/280*a3*a2*a1^3-11/120*a3^2*a2-81/280*a3^2*a1^2-3/28*a3*a1^5, mep[1,2,3,2] = -395/1008*a2^3*a1^2-\
1/28*a2*a1^6-16/63*a2^2*a1^4-25/42*a5*a1*a2-16/21*a4*a1*a3-1/3*a6*a2-5/28*a6*a1^2-1/2*a5*a3-1/7*a5*a1^3-1/4*a4^2-17/48*a4
*a2^2-3/28*a4*a1^4-1/4*a8-3/14*a1*a7-59/84*a4*a2*a1^2-457/504*a3*a1*a2^2-43/63*a3*a2*a1^3-17/36*a3^2*a2-53/126*a3^2*a1^2-\
1/14*a3*a1^5, mep[1,2,4,1] = -5027/10080*a2^3*a1^2-1/56*a2*a1^6-2071/10080*a2^2*a1^4-251/420*a5*a1*a2-397/840*a4*a1*a3-1/
2*a6*a2-5/56*a6*a1^2-19/60*a5*a3-1/14*a5*a1^3-5/32*a4^2-23/32*a4*a2^2-3/56*a4*a1^4-1/8*a8-3/28*a1*a7-35/128*a2^4-601/
1680*a4*a2*a1^2-5407/5040*a3*a1*a2^2-263/504*a3*a2*a1^3-143/360*a3^2*a2-649/2520*a3^2*a1^2-1/28*a3*a1^5, mep[1,3,1,3] = -\
439/1120*a2^3*a1^2-3/56*a2*a1^6-1091/3360*a2^2*a1^4-111/140*a5*a1*a2-173/280*a4*a1*a3-1/2*a6*a2-15/56*a6*a1^2-11/20*a5*a3
-3/14*a5*a1^3-3/32*a4^2-11/32*a4*a2^2-9/56*a4*a1^4-3/8*a8-9/28*a1*a7-17/128*a2^4-443/560*a4*a2*a1^2-407/560*a3*a1*a2^2-\
671/840*a3*a2*a1^3-9/40*a3^2*a2-341/840*a3^2*a1^2-3/28*a3*a1^5, mep[1,3,2,2] = -1019/2520*a2^3*a1^2-1/28*a2*a1^6-647/2520
*a2^2*a1^4-139/210*a5*a1*a2-73/105*a4*a1*a3-1/3*a6*a2-5/28*a6*a1^2-1/7*a5*a3-1/8*a4^2-1/6*a4*a2^2-3/28*a4*
a1^4-1/4*a8-3/14*a1*a7-281/420*a4*a2*a1^2-671/630*a3*a1*a2^2-437/630*a3*a2*a1^3-133/180*a3^2*a2-136/315*a3^2*a1^2-1/14*a3
```

*a1^5, mep[1,3,3,1] = -5419/10080*a2^3*a1^2-1/56*a2*a1^6-213/1120*a2^2*a1^4-79/140*a5*a1*a2-123/280*a4*a1*a3-5/12*a6*a2-5/56*a6*a1^2-23/60*a5*a3-1/14*a5*a1*a3-3/32*a4^2-47/96*a4*a2^2-3/56*a4*a1^4-1/8*a8-3/28*a1*a7-9/128*a2^4-297/560*a4*a2*a1^2-7199/5040*a3*a1*a2-83/168*a3*a2*a1^3-331/360*a3^2*a2-221/840*a3^2*a1^2-1/28*a3*a1^5, mep[1,4,1,2] = -113/336*a2^3*a1^2-1/28*a2*a1^6-71/252*a2^2*a1^4-25/42*a5*a1*a2-23/21*a4*a1*a3-1/3*a6*a2-5/28*a6*a1^2-1/2*a5*a3-1/7*a5*a1*a3-1/2*a4^2-17/48*a4*a2^2-3/28*a4*a1^4-1/4*a8-3/14*a1*a7-73/84*a4*a2*a1^2-115/168*a3*a1*a2-50/63*a3*a2*a1^3-1/4*a3^2*a2-67/126*a3^2*a1^2-1/14*a3*a1^5, mep[1,4,2,1] = -1081/2016*a2^3*a1^2-1/56*a2*a1^6-125/672*a2^2*a1^4-13/28*a5*a1*a2-179/280*a4*a1*a3-1/3*a6*a2-5/56*a6*a1^2-19/60*a5*a3-1/14*a5*a1*a3-9/32*a4^2-79/96*a4*a2^2-3/56*a4*a1^4-1/8*a8-3/28*a1*a7-35/128*a2^4-65/112*a4*a2*a1^2-6373/5040*a3*a1*a2-143/280*a3*a2*a1^3-203/360*a3^2*a2-263/840*a3^2*a1^2-1/28*a3*a1^5, mep[1,5,1,1] = -1517/3360*a2^3*a1^2-1/56*a2*a1^6-227/1120*a2^2*a1^4-223/420*a5*a1*a2-47/56*a4*a1*a3-1/4*a6*a2-5/56*a6*a1^2-7/12*a5*a3-1/14*a5*a1*a3-9/32*a4^2-15/32*a4*a2^2-3/56*a4*a1^4-1/8*a8-3/28*a1*a7-15/128*a2^4-45/112*a4*a2*a1^2-663/560*a3*a1*a2-171/280*a3*a2*a1^3-17/24*a3^2*a2-25/56*a3^2*a1^2-1/28*a3*a1^5, mep[2,1,1,4] = -49/90*a2^3*a1^2-1/6*a2*a1^6-26/45*a2^2*a1^4-13/15*a5*a1*a2-2/5*a4*a1*a3-1/3*a6*a2-5/6*a6*a1^2-1/5*a5*a3-2/3*a5*a1*a3-1/6*a4*a2^2-1/2*a4*a1^4-1/2*a8-a1*a7-16/15*a4*a2*a1^2-17/18*a3*a1*a2^2-53/45*a3*a2*a1^3-31/90*a3^2*a2-17/45*a3^2*a1^2-1/3*a3*a1^5, mep[2,1,2,3] = -251/480*a2^3*a1^2-1/8*a2*a1^6-81/160*a2^2*a1^4-13/20*a5*a1*a2-37/40*a4*a1*a3-1/4*a6*a2-5/8*a6*a1^2-3/20*a5*a3-1/2*a5*a1*a3-9/32*a4^2-13/32*a4*a2^2-3/8*a4*a1^4-3/8*a8-3/4*a1*a7-15/128*a2^4-89/80*a4*a2*a1^2-41/48*a3*a1*a2^2-47/40*a3*a2*a1^3-11/120*a3^2*a2-23/40*a3^2*a1^2-1/4*a3*a1^5, mep[2,1,3,2] = -203/720*a2^3*a1^2-1/12*a2*a1^6-43/90*a2^2*a1^4-19/30*a5*a1*a2-3/2*a4*a1*a3-1/6*a6*a2-5/12*a6*a1^2-1/2*a5*a3-1/3*a5*a1^3-1/4*a4*a2^2-7/48*a4*a2^2-1/4*a4*a1^4-1/4*a8-1/2*a1*a7-71/60*a4*a2*a1^2-181/360*a3*a1*a2^2-121/90*a3*a2*a1^3-7/36*a3^2*a2-17/18*a3^2*a1^2-1/6*a3^2*a1^5, mep[2,1,4,1] = -797/1440*a2^3*a1^2-1/24*a2*a1^6-69/160*a2^2*a1^4-61/60*a5*a1*a2-37/40*a4*a1*a3-5/12*a6*a2-5/24*a6*a1^2-19/60*a5*a3-1/6*a5*a1*a3-5/32*a4^2-35/96*a4*a2^2-1/8*a4*a1^4-1/8*a8-1/4*a1*a7-15/128*a2^4-283/240*a4*a2*a1^2-703/720*a3*a1*a2^2-133/120*a3*a2*a1^3-83/360*a3^2*a2-23/40*a3^2*a1^2-1/12*a3*a1^5, mep[2,2,1,3] = -247/480*a2^3*a1^2-1/8*a2*a1^6-87/160*a2^2*a1^4-21/20*a5*a1*a2-23/40*a4*a1*a3-1/4*a6*a2-5/8*a6*a1^2-7/20*a5*a3-1/2*a5*a1*a3-3/32*a4^2-7/32*a4*a2^2-3/8*a4*a1^4-3/8*a8-3/4*a1*a7-9/128*a2^4-93/80*a4*a2*a1^2-191/240*a3*a1*a2^2-47/40*a3*a2*a1^3-19/120*a3^2*a2-17/40*a3^2*a1^2-1/4*a3*a1^5, mep[2,2,2,2] = -1/2*a2^3*a1^2-1/12*a2*a1^6-1/2*a2^2*a1^4-a5*a1*a2-a4*a1*a3-1/6*a6*a2-5/12*a6*a1^2-1/2*a5*a3-1/3*a5*a1*a3-1/8*a4^2-1/12*a4*a2^2-1/4*a4*a1^4-1/4*a8-1/2*a1*a7-13/12*a4*a2*a1^2-a3*a1*a2^2-7/6*a3*a2*a1^3-5/12*a3^2*a2-2/3*a3^2*a1^2-1/6*a3*a1^5, mep[2,2,3,1] = -1079/1440*a2^3*a1^2-1/24*a2*a1^6-547/1440*a2^2*a1^4-19/20*a5*a1*a2-27/40*a4*a1*a3-1/3*a6*a2-5/24*a6*a1^2-19/60*a5*a3-1/6*a5*a1*a3-3/32*a4^2-25/96*a4*a2^2-1/8*a4*a1^4-1/8*a8-1/4*a1*a7-5/128*a2^4-241/240*a4*a2*a1^2-1117/720*a3*a1*a2^2-337/360*a3*a2*a1^3-203/360*a3^2*a2-157/360*a3^2*a1^2-1/12*a3*a1^5, mep[2,3,1,2] = -3/10*a2^3*a1^2-1/12*a2*a1^6-179/360*a2^2*a1^4-23/30*a5*a1*a2-1/2*a4*a1*a3-1/6*a6*a2-5/12*a6*a1^2-11/30*a5*a3-1/3*a5*a1*a3-3/8*a4^2-1/12*a4*a2^2-1/4*a4*a1^4-1/4*a8-1/2*a1*a7-77/60*a4*a2*a1^2-7/15*a3*a1*a2^2-119/90*a3*a2*a1^3-3/20*a3^2*a2-37/45*a3^2*a1^2-1/6*a3*a1^5, mep[2,3,2,1] = -25/32*a2^3*a1^2-1/24*a2*a1^6-103/288*a2^2*a1^4-3/4*a5*a1*a2-7/8*a4*a1*a3-1/4*a6*a2-5/24*a6*a1^2-1/4*a5*a3-1/6*a5*a1*a3-7/32*a4^2-15/32*a4*a2^2-1/8*a4*a1^4-1/8*a8-1/4*a1*a7-9/128*a2^4-47/48*a4*a2*a1^2-25/16*a3*a1*a2^2-67/72*a3*a2*a1^3-3/8*a3^2*a2-37/72*a3^2*a1^2-1/12*a3*a1^5, mep[2,4,1,1] = -797/1440*a2^3*a1^2-1/24*a2*a1^6-551/1440*a2^2*a1^4-41/60*a5*a1*a2-51/40*a4*a1*a3-1/6*a6*a2-5/24*a6*a1^2-1/2*a9-20*a5*a3-1/6*a5*a1^3-7/32*a4^2-23/96*a4*a2^2-1/8*a4*a1^4-1/8*a8-1/4*a1*a7-5/128*a2^4-253/240*a4*a2*a1^2-811/720*a3*a1*a2^2-401/360*a3*a2*a1^3-119/360*a3^2*a2-281/360*a3^2*a1^2-1/12*a3*a1^5, mep[3,1,1,3] = -347/480*a2^3*a1^2-1/8*a2*a1^6-119/240*a2^2*a1^4-21/20*a5*a1*a2-17/40*a4*a1*a3-3/4*a6*a2-9/8*a6*a1^2-3/20*a5*a3-9/10*a5*a1*a3-3/32*a4^2-15/32*a4*a2^2-27/40*a4*a1^4-3/8*a8-3/4*a1*a7-25/128*a2^4-113/80*a4*a2*a1^2-217/240*a3*a1*a2^2-57/40*a3*a2*a1^3-11/120*a3^2*a2-13/40*a3^2*a1^2-1/4*a3*a1^5, mep[3,1,2,2] = -19/36*a2^3*a1^2-3/20*a2*a1^6-27/40*a2^2*a1^4-5/6*a5*a1*a2-9/10*a4*a1*a3-1/2*a6*a2-3/4*a6*a1^2-11/30*a5*a3-3/5*a5*a1*a3-1/8*a4*a2^2-1/4*a4*a2^2-2/9*a20*a4*a1^4-1/4*a8-1/2*a1*a7-5/4*a4*a2*a1^2-203/180*a3*a1*a2^2-5/3*a3*a2*a1^3-107/180*a3^2*a2-14/15*a3^2*a1^2-3/10*a3*a1^5, mep[3,1,3,1] = -383/480*a2^3*a1^2-3/40*a2*a1^6-301/480*a2^2*a1^4-19/20*a5*a1*a2-5/8*a4*a1*a3-1/2*a6*a2-3/8*a6*a1^2-1/4*a5*a3-3/10*a5*a1^3-3/32*a4^2-23/32*a4*a2^2-9/40*a4*a1^4-1/8*a8-1/4*a1*a7-13/128*a2^4-117/80*a4*a2*a1^2-361/240*a3*a1*a2^2-179/120*a3*a2*a1^3-13/24*a3^2*a2-5/8*a3^2*a1^2-3/20*a3*a1^5, mep[3,2,1,2] = -39/80*a2^3*a1^2-3/20*a2*a1^6-7/10*a2^2*a1^4-23/30*a5*a1*a2-29/30*a4*a1*a3-1/2*a6*a2-3/4*a6*a1^2-7/30*a5*a3-3/5*a5*a1*a3-1/4*a4^2-9/16*a4*a2^2-9/20*a4*a1^4-1/4*a8-1/2*a1*a7-23/15*a4*a2*a1^2-103/120*a3*a1*a2^2-8/5*a3*a2*a1^3-13/60*a3^2*a2-7/10*a3^2*a1^2-3/10*a3*a1^5, mep[3,2,2,1] = -311/288*a2^3*a1^2-3/40*a2*a1^6-89/160*a2^2*a1^4-3/4*a5*a1*a2-79/120*a4*a1*a3-5/12*a6*a2-3/8*a6*a1^2-11/60*a5*a3-3/4*a5*a1*a3-5/32*a4*a2^2-83/96*a4*a2^2-3/40*a4*a1^4-1/8*a8-1/4*a1*a7-55/128*a2^4-65/48*a4*a2*a1^2-1091/720*a3*a1*a2^2-31/24*a3*a2*a1^3-127/360*a3^2*a2-61/120*a3^2*a1^2-3/20*a3*a1^5, mep[3,3,1,1] = -1043/1440*a2^3*a1^2-3/40*a2*a1^6-55/96*a2^2*a1^4-13/20*a5*a1*a2-37/40*a4*a1*a3-1/3*a6*a2-3/8*a6*a1^2-19/60*a5*a3-3/10*a5*a1*a3-5/32*a4^2-55/96*a4*a2^2-9/40*a4*a1^4-1/8*a8-1/4*a1*a7-23/128*a2^4-99/80*a4*a2*a1^2-191/144*a3*a1*a2^2-61/40*a3*a2*a1^3-203/360*a3^2*a2-109/120*a3^2*a1^2-3/20*a3*a1^5, mep[4,1,1,2] = -37/60*a2^3*a1^2-1/4*a2*a1^6-107/120*a2^2*a1^4-47/30*a5*a1*a2-14/15*a4*a1*a3-1/2*a6*a2-3/4*a6*a1^2-19/30*a5*a3-a5*a1*a3-1/8*a4^2-1/4*a4*a1^4-1/4*a8-1/2*a1*a7-103/60*a4*a2*a1^2-31/30*a3*a1*a2^2-19/10*a3*a2*a1^3-7/20*a3^2*a2-11/15*a3^2*a1^2-1/2*a3*a1^5, mep[4,1,2,1] = -1723/1440*a2^3*a1^2-1/8*a2*a1^6-131/160*a2^2*a1^4-23/20*a5*a1*a2-77/120*a4*a1*a3-5/12*a6*a2-3/8*a6*a1^2-19/60*a5*a3-1/3*a5*a1*a3-3/32*a4^2-59/96*a4*a2^2-3/8*a4*a1^4-1/8*a8-1/4*a1*a7-25/128*a2^4-347/240*a4*a2*a1^2-1619/720*a3*a1*a2^2-71/40*a3*a2*a1^3-271/360*a3^2*a2-21/40*a3^2*a1^2-1/4*a3*a1^5, mep[4,2,1,1] = -1477/1440*a2^3*a1^2-1/8*a2*a1^6-377/480*a2^2*a1^4-377/480*a2^2*a1^4-61/60*a5*a1*a2-1/3*a6*a2-3/8*a6*a1^2-3/8*a6*a2-3/8*a6*a1^2-9/20*a5*a3-1/2*a5*a1*a3-3/32*a4^2-37/96*a4*a2^2-3/8*a4*a1^4-1/8*a8-1/4*a1*a7-13/128*a2^4-101/80*a4*a2*a1^2-1541/720*a3*a1*a2^2-217/120*a3*a2*a1^3-319/360*a3*a2*a1^3-319/360*a3^2*a2-29/40*a3^2*a1^2-1/4*a3*a1^5, mep[5,1,1,1] = -1793/1440*a2^3*a1^2-5/24*a2*a1^6-493/480*a2^2*a1^4-59/60*a5*a1*a2-157/120*a4*a1*a3-1/3*a6*a2-3/8*a6*a1^2-5/8*a5*a1^3-11/32*a4^2-73/96*a4*a2^2-5/8*a4*a1^4-1/8*a8-1/4*a1*a7-29/128*a2^4-487/240*a4*a2*a1^2-1369/720*a3*a1*a2^2-253/120*a3*a2*a1^3-191/360*a3^2*a2-103/120*a3^2*a1^2-5/12*a3*a1^5, mep[1,1,1,4] = 41/126*a2^3*a1^2+1/14*a2*a1^6+2/7*a2^2*a1^4+11/21*a5*a1*a2+9/35*a4*a1*a3+1/3*a6*a2+5/14*a6*a1^2+1/5*a5*a3+2/7*a5*a1^3+1/6*a4*a2^2+3/14*a4*a1^4+1/2*a8+3/7*a1*a7+4/7*a4*a2*a1^2+209/315*a3*a1*a2^2+64/105*a3*a2*a1^3+31/90*a3^2*a2+23/105*a3^2*a1^2+1/7*a3*a1^5, mep[1,1,2,3] = 199/672*a2^3*a1^2+1/8*a2*a1^6+55/224*a2^2*a1^4+11/28*a5*a1*a2+159/280*a4*a1*a3+1/4*a6*a2+5/16*a6*a1^2+3/20*a5*a3+9/14*a5*a1*a3+9/32*a4^2+13/32*a4*a2^2+9/56*a4*a1^4+3/8*a8+9/28*a1*a7+15/128*a2^4+69/112*a4*a2*a1^2+871/1680*a3*a1*a2^2+163/280*a3*a2*a1^3+11/120*a3^2*a2+81/280*a3^2*a1^2+3/28*a3*a1^5, mep[1,1,1,3,2] = 1079/5040*a2^3*a1^2+1/28*a2*a1^6+139/630*a2^2*a1^4+97/210*a5*a1*a2+16/21*a4*a1*a3+1/6*a6*a2+5/28*a6*a1^2+1/2*a5*a3+1/7*a5*a1^3+1/4*a4*a2^2+7/48*a4*a2^2+3/28*a4*a1^4+1/4*a8+3/14*a1*a7+253/420*a4*a2*a1^2+1123/2520*a3*a1*a2^2+194/315*a3*a2*a1^3+7/36*a3^2*a2+53/126*a3^2*a1^2+1/14*a3*a1^5, mep[1,1,1,4,1] = 3221/10080*a2^3*a1^2+1/56*a2*a1^6+1903/10080*a2^2*a1^4+223/420*a5*a1*a2+397/840*a4*a1*a3+5/12*a6*a2+5/56*a6*a1^2+19/60*a5*a3+1/14*a5*a1^3+5/32*a4^2+35/96*a4*a2^2+3/56*a4*a1^4+1/8*a8+3/28*a1*a7+15/128*a2^4+919/1680*a4*a2*a1^2+653/1008*a3*a1*a2^2+1231/2520*a3*a2*a1^3+83/360*a3^2*a2+649/2520*a3^2*a1^2+1/28*a3*a1^5, mep[1,1,2,1,3] = 883/3360*a2^3*a1^2+1/56*a2*a1^6+839/3360*a2^2*a1^4+69/140*a5*a1*a2+131/280*a4*a1*a3+1/4*a6*a2+5/16*a6*a1^2+7/20*a5*a3+3/14*a5*a1^3+3/32*a4^2+7/32*a4*a2^2+9/56*a4*a1^4+3/8*a8+9/28*a1*a7+9/128*a2^4+317/560*a4*a2*a1^2+163/336*a3*a1*a2^2+503/840*a3*a2*a1^3+19/120*a3^2*a2+257/840*a3^2*a1^2+3/28*a3*a1^5, mep[1,1,2,2,2] = 209/840*a2^3*a1^2+1/28*a2*a1^6+521/2520*a2^2*a1^4+97/210*a5*a1*a2+2/5*a4*a1*a3+1/6*a6*a2+5/28*a6*a1^2+1/2*a5*a3+1/7*a5*a1^3+1/8*a4^2+1/12*a4*a2^2+3/28*a4*a1^4+1/4*a8+3/14*a1*a7+109/210*a4*a2*a1^2+263/420*a3*a1*a2^2+353/630*a3*a2*a1^3+5/12*a3^2*a2+23/63*a3^2*a1^2+1/14*a3*a1^5, mep[1,1,2,3,1] = 703/2016*a2^3*a1^2+1/56*a2*a1^6+37/224*a2^2*a1^4+13/28*a5*a1*a2+109/280*a4*a1*a3+1/3*a6*a2+5/56*a6*a1^2+19/60*a5*a3+1/14*a5*a1^3+3/32*a4^2+25/96*a4*a2^2+3/56*a4*a1^4+1/8*a8+3/28*a1*a7+5/128*a2^4+51/112*a4*a2*a1^2+4483/5040*a3*a1*a2^2+359/840*a3*a2*a1^3+203/360*a3^2*a2+193/840*a3^2*a1^2+1/28*a3*a1^5, mep[1,1,3,1,2] = 73/420*a2^3*a1^2+1/28*a2*a1^6+61/280*a2^2*a1^4+13/20*a5*a1*a2+2/5*a4*a1*a3+1/6*a6*a2+5/28*a6*a1^2+11/30*a5*a3+1/7*a5*a1^3+3/8*a4^2+1/12*a4*a2^2+3/28*a4*a1^4+1/4*a8+3/14*a1*a7+89/140*a4*a2*a1^2+12/35*a3*a1*a2^2+127/210*a3*a2*a1^3+3/20*a3^2*a2+43/105*a3^2*a1^2+1/14*a3*a1^5, mep[1,1,3,2,1] = 389/1120*a2^3*a1^2+1/56*a2*a1^6+1553/10080*a2^2*a1^4+51/140*a5*a1*a2+85/168*a4*a1*a3+1/4*a6*a2+5/56*a6*a1^2+1/4*a5*a3+1/14*a5*a1^3+7/32*a4^2+15/32*a4*a2^2+3/56*a4*a1^4+1/8*a8+3/28*a1*a7+9/128*a2^4+779/1680*a4*a2*a1^2+453/560*a3*a1*a2^2+1049/2520*a3*a2*a1^3+3/8*a3^2*a2+127/504*a3^2*a1^2+1/28*a3*a1^5, mep[1,1,4,1,1] = 2549/10080*a2^3*a1^2+1/56*a2*a1^6+1637/10080*a2^2*a1^4+167/420*a5*a1*a2+551/840*a4*a1*a3+1/6*a6*a2+5/56*a6*a1^2+9/20*a5*a3+1/14*a5*a1^3+7/32*a4^2+23/96*a4*a2^2+3/56*a4*a1^4+1/8*a8+3/28*a1*a7+5/128*a2^4+821/1680*a4*a2*a1^2+3097/5040*a3*a1*a2^2+1217/2520*a3*a2*a1^3+119/360*a3^2*a2+887/2520*a3^2*a1^2+1/28*a3*a1^5, mep[1,2,1,1,3] = 1121/3360*a2^3*a1^2+1/56*a2*a1^6+923/3360*a2^2*a1^4+83/140*a5*a1*a2+89/280*a4*a1*a3+1/2*a6*a2+5/16*a6*a1^2+3/20*a5*a3+1/14*a5*a1^3+3/32*a4^2+11/32*a4*a2^2+9/56*a4*a1^4+3/8*a8+9/28*a1*a7+17/128*a2^4+359/560*a4*a2*a1^2+913/1680*a3*a1*a2^2+503/840*a3*a2*a1^3+11/120*a3^2*a2+173/840*a3^2*a1^2+3/28*a3*a1^5, mep[1,2,1,2,2] = 781/2520*a2^3*a1^2+1/28*a2*a1^6+563/2520*a2^2*a1^4+37/70*a5*a1*a2+52/105*a4*a1*a3+1/3*a6*a2+5/28*a6*a1^2+1/10*a5*a3+1/7*a5*a1^3+1/8*a4*a2^2+1/4*a8+3/14*a1*a7+239/420*a4*a2*a1^2+227/315*a3*a1*a2^2+353/630*a3*a2*a1^3+77/180*a3^2*a2+94/315*a3^2*a1^2+1/14*a3*a1^5, mep[1,2,1,3,1] = 4103/10080*a2^3*a1^2+1/56*a2*a1^6+583/3360*a2^2*a1^4+29/420*a5*a1*a2+19/56*a4*a1*a3+5/12*a6*a2+5/56*a6*a1^2+1/4*a5*a3+1/14*a5*a1^3+3/32*a4^2+47/96*a4*a2^2+3/56*a4*a1^4+1/8*a8+3/28*a1*a7+9/128*a2^4+269/560*a4*a2*a1^2+4651/5040*a3*a1*a2^2+359/840*a3*a2*a1^3+31/72*a3^2*a2+11/56*a3^2*a1^2+1/28*a3*a1^5, mep[1,2,2,1,2] = 1499/5040*a2^3*a1^2+1/28*a2*a1^6+139/630*a2^2*a1^4+97/210*a5*a1*a2+59/105*a4*a1*a3+1/3*a6*a2+5/28*a6*a1^2+7/30*a5*a3+1/7*a4^4+2+17/48*a4*a2^2+3/28*a4*a1^4+1/4*a8+3/14*a1*a7+253/420*a4*a2*a1^2+1417/2520*a3*a1*a2^2+173/315*a3*a2*a1^3+29/180*a3^2*a2+181/630*a3^2*a1^2+1/14*a3*a1^5, mep[1,2,2,2,1] = 4019/10080*a2^3*a1^2+1/56*a2*a1^6+1567/10080*a2^2*a1^4+167/420*a5*a1*a2+313/840*a4*a1*a3+1/3*a6*a2+5/56*a6*a1^2+11/60*a5*a3+1/14*a5*a1^3+5/32*a4^2+61/96*a4*a2^2+3/56*a4*a1^4+1/8*a8+3/28*a1*a7+35/128*a2^4+751/1680*a4*a2*a1^2+863/1008*a3*a1*a2^2+979/2520*a3*a2*a1^3+107/360*a3^2*a2+481/2520*a3^2*a1^2+1/28*a3*a1^5, mep[1,2,3,1,1] = 3389/10080*a2^3*a1^2+1/56*a2*a1^6+1567/10080*a2^2*a1^4+167/420*a5*a1*a2+397/840*a4*a1*a3+1/4*a6*a2+5/56*a6*a1^2+19/60*a5*a3+1/14*a5*a1^3+5/32*a4^2+13/32*a4*a2^2+3/56*a4*a1^4+1/8*a8+3/28*a1*a7+15/128*a2^4+751/1680*a4*a2*a1^2+4021/5040*a3*a1*a2^2+1063/2520*a3*a2*a1^3+143/360*a3^2*a2+649/2520*a3^2*a1^2+1/28*a3*a1^5, mep[1,3,1,2] = 23/84*a2^3*a1^2+1/28*a2*a1^6+121/504*a2^2*a1^4+25/42*a5*a1*a2+25/42*a4*a1*a3+1/3*a6*a2+5/28*a6*a1^2+1/2*a5*a3+1/7*a5*a1^3+1/8*a4^2+1/6*a4*a2^2+3/28*a4*a1^4+1/4*a8+3/14*a1*a7+13/21*a4*a2*a1^2+47/84*a3*a1*a2^2+79/126*a3*a2*a1^3+1/4*a3^2*a2+23/63*a3^2*a1^2+1/14*a3*a1^5, mep[1,3,1,2,1] = 829/2016*a2^3*a1^2+1/56*a2*a1^6+37/224*a2^2*a1^4+13/28*a5*a1*a2+109/280*a4*a1*a3+1/3*a6*a2+5/56*a6*a1^2+19/60*a5*a3+1/14*a5*a1^3+3/32*a4^2+43/96*a4*a2^2+3/56*a4*a1^4+1/8*a8+3/28*a1*a7+17/128*a2^4+751/1680*a4*a2*a1^2+5113/5040*a3*a1*a2^2+359/840*a3*a2*a1^3+203/360*a3^2*a2+193/840*a3^2*a1^2+1/28*a3*a1^5, mep[1,3,2,1,1] = 403/1120*a2^3*a1^2+1/56*a2*a1^6+527/3360*a2^2*a1^4+181/420*a5*a1*a2+123/280*a4*a1*a3+1/3*a6*a2+5/56*a6*a1^2+1/4*a5*a3+1/14*a5*a1^3+3/32*a4^2+9/32*a4*a2^2+3/56*a4*a1^4+1/8*a8+3/28*a1*a7+9/128*a2^4+241/560*a4*a2*a1^2+325/336*a3*a1*a2^2+359/840*a3*a2*a1^3+77/120*a3^2*a2+221/840*a3^2*a1^2+1/28*a3*a1^5, mep[1,4,1,1,1] = 3599/10080*a2^3*a1^2+1/56*a2*a1^6+569/3360*a2^2*a1^4+167/420*a5*a1*a2+179/280*a4*a1*a3+1/4*a6*a2+5/56*a6*a1^2+19/60*a5*a3+1/14*a5*a1^3+9/32*a4^2+15/32*a4*a2^2+3/56*a4*a1^4+1/8*a8+3/28*a1*a7+15/128*a2^4+297/560*a4*a2*a1^2+4231/5040*a3*a1*a2^2+401/840*a3*a2*a1^3+143/360*a3^2*a2+263/840*a3^2*a1^2+1/28*a3*a1^5, mep[2,1,1,1,3] = 191/480*a2^3*a1^2+1/8*a2*a1^6+71/160*a2^2*a1^4+71/160*a2^2*a1^4+13/20*a5*a1*a2+17/40*a4*a1*a3+3/4*a6*a2+9/8*a6*a1^2+3/20*a5*a3+1/2*a5*a1^3+3/32*a4^2+7/32*a4*a2^2+3/8*a4*a1^4+3/8*a8+3/4*a1*a7+9/128*a2^4+69/80*a4*a2*a1^2+29/48*a3*a1*a2^2+37/40*a3*a2*a1^3+11/120*a3^2*a2+13/40*a3^2*a1^2+1/4*a3*a1^5, mep[2,1,1,2,2] = 14/45*a2^3*a1^2+1/12*a2*a1^6+47/120*a2^2*a1^4+17/30*a5*a1*a2+9/10*a4*a1*a3+1/6*a6*a2+5/12*a6*a1^2+11/30*a5*a3+1/3*a5*a1^3+1/8*a4*a2^2+1/12*a4*a2^2+1/4*a4*a1^4+1/4*a8+1/2*a1*a7+53/60*a4*a2*a1^2+107/180*a3*a1*a2^2+a3*a2*a1^3+5/12*a3^2*a2+1/6*a3*a1^5, mep[2,1,1,3,1] = 703/1440*a2^3*a1^2+1/24*a2*a1^6+499/1440*a2^2*a1^4+49/60*a5*a1*a2+15/8*a4*a1*a3+1/3*a6*a2+5/24*a6*a1^2+1/4*a5*a3+1/6*a5*a1^3+3/32*a4^2+25/96*a4*a2^2+1/8*a4*a1^4+1/8*a8+1/4*a1*a7+5/128*a2^4+217/240*a4*a2*a1^2+671/720*a3*a1*a2^2+307/360*a3*a2*a1

^3+23/72*a3^2*a2+29/72*a3^2*a1^2+1/12*a3*a1^5, mep[2,1,2,1,2] = 35/144*a2^3*a1^2+1/12*a2*a1^6+7/18*a2^2*a1^4+1/2*a5*a1*a2
+29/30*a4*a1*a3+1/6*a6*a2+5/12*a6*a1^2+7/30*a5*a3+1/3*a5*a1^3+1/4*a4^2+7/48*a4*a2^2+1/4*a4*a1^4+1/4*a8+1/2*a1*a7+11/12*a4
*a2*a1^2+137/360*a3*a1*a2^2+89/90*a3*a2*a1^3+19/180*a3^2*a2+53/90*a3^2*a1^2+1/6*a3*a1^5, mep[2,1,2,2,1] = 263/480*a2^3*a1
^2+1/24*a2*a1^6+437/1440*a2^2*a1^4+37/60*a5*a1*a2+79/120*a4*a1*a3+1/4*a6*a2+5/24*a6*a1^2+11/60*a5*a3+1/6*a5*a1^3+5/32*a4^
2+13/32*a4*a2^2+1/8*a4*a1^4+1/8*a8+1/4*a1*a7+15/128*a2^4+191/240*a4*a2*a1^2+253/240*a3*a1*a2^2+55/72*a3*a2*a1^3+29/120*a3
^2*a2+143/360*a3^2*a1^2+1/12*a3*a1^5, mep[2,1,3,1,1] = 527/1440*a2^3*a1^2+1/24*a2*a1^6+49/160*a2^2*a1^4+31/60*a5*a1*a2+37
/40*a4*a1*a3+1/6*a6*a2+5/24*a6*a1^2+19/60*a5*a3+1/6*a5*a1^3+5/32*a4^2+23/96*a4*a2^2+1/8*a4*a1^4+1/8*a8+1/4*a1*a7+7/128*a2
^4+193/240*a4*a2*a1^2+523/720*a3*a1*a2^2+103/120*a3*a2*a1^3+83/360*a3^2*a2+23/40*a3^2*a1^2+1/12*a3*a1^5, mep[2,2,1,1,2] =
3/10*a2^3*a1^2+1/12*a2*a1^6+149/360*a2^2*a1^4+23/30*a5*a1*a2+11/15*a4*a1*a3+1/6*a6*a2+5/12*a6*a1^2+11/30*a5*a3+1/3*a5*a1^
3+1/8*a4^2+1/12*a4*a2^2+1/4*a4*a1^4+1/4*a8+1/2*a1*a7+19/20*a4*a2*a1^2+7/15*a3*a1*a2^2+89/90*a3*a2*a1^3+3/20*a3^2*a2+22/45
*a3^2*a1^2+1/6*a3*a1^5, mep[2,2,1,2,1] = 19/32*a2^3*a1^2+1/24*a2*a1^6+91/288*a2^2*a1^4+3/4*a5*a1*a2+13/24*a4*a1*a3+1/4*a6
*a2+5/24*a6*a1^2+1/4*a5*a3+1/6*a5*a1^3+3/32*a4^2+9/32*a4*a2^2+1/8*a4*a1^4+1/8*a8+1/4*a1*a7+19/60*a5*a3+1/4*a5*a1^3+21/60*a4*a2^2+19
/16*a3*a1*a2^2+55/72*a3*a2*a1^3+3/8*a3^2*a2+25/72*a3^2*a1^2+1/12*a3*a1^5, mep[2,2,2,1,1] = 719/1440*a2^3*a1^2+1/24*a2*a1^
6+427/1440*a2^2*a1^4+37/60*a5*a1*a2+27/40*a4*a1*a3+1/6*a6*a2+5/24*a6*a1^2+19/60*a5*a3+1/6*a5*a1^3+3/32*a4^2+17/96*a4*a2^2
+1/8*a4*a1^4+1/8*a8+1/4*a1*a7+5/128*a2^4+181/240*a4*a2*a1^2+757/720*a3*a1*a2^2+277/360*a3*a2*a1^3+143/360*a3^2*a2+157/360
*a3^2*a1^2+1/12*a3*a1^5, mep[2,3,1,1,1] = 133/288*a2^3*a1^2+1/24*a2*a1^6+91/288*a2^2*a1^4+7/12*a5*a1*a2+7/8*a4*a1*a3+1/6*
a6*a2+5/24*a6*a1^2+1/4*a5*a3+1/6*a5*a1^3+7/32*a4^2+23/96*a4*a2^2+1/8*a4*a1^4+1/8*a8+1/4*a1*a7+1/8*a4*a1^4+1/8*a8+1/4*a1*a7+11/16*a4*a2*a1^2
+131/144*a3*a1*a2^2+61/72*a3*a2*a1^3+19/72*a3^2*a2+37/72*a3^2*a1^2+1/12*a3*a1^5, mep[3,1,1,1,2] = 23/60*a2^3*a1^2+3/20*a2
*a1^6+23/40*a2^2*a1^4+23/30*a5*a1*a2+19/30*a4*a1*a3+1/2*a6*a2+1/3*a6*a1^2+7/30*a5*a3+1/3*a5*a1^3+1/8*a4^2+1/4*a4*a2^2+9/
20*a4*a1^4+1/4*a8+1/2*a1*a7+67/60*a4*a2*a1^2+13/20*a3*a1*a2^2+19/15*a3*a2*a1^3+13/60*a3^2*a2+8/15*a3^2*a1^2+3/10*a3*a1^5,
mep[3,1,1,2,1] = 215/288*a2^3*a1^2+3/40*a2*a1^6+79/160*a2^2*a1^4+3/4*a5*a1*a2+2/3*a4*a1*a3+1/2*a6*a2+3/8*a6*a1^2+11/
60*a5*a3+3/10*a5*a1^3+3/32*a4^2+59/96*a4*a2^2+9/40*a4*a1^4+1/8*a8+1/4*a1*a7+25/128*a2^4+55/48*a4*a2*a1^2+881/720*a3*a1*a2
^2+9/8*a3*a2*a1^3+127/360*a3^2*a2+17/40*a3^2*a1^2+3/20*a3*a1^5, mep[3,1,2,1,1] = 829/1440*a2^3*a1^2+3/40*a2*a1^6+221/480*
a2^2*a1^4+37/60*a5*a1*a2+5/8*a4*a1*a3+1/3*a6*a2+3/8*a6*a1^2+1/4*a5*a3+3/10*a5*a1^3+3/32*a4^2+37/96*a4*a2^2+9/40*a4*a1^4+1
/8*a8+1/4*a1*a7+13/128*a2^4+77/80*a4*a2*a1^2+803/720*a3*a1*a2^2+139/120*a3*a2*a1^3+35/72*a3^2*a2+5/8*a3^2*a1^2+3/20*a3*a1
^5, mep[3,2,1,1,1] = 187/288*a2^3*a1^2+3/40*a2*a1^6+227/480*a2^2*a1^4+7/12*a5*a1*a2+7/9*a4*a1*a3+1/3*a6*a2+3/8*a6*a1^2
+11/60*a5*a3+3/10*a5*a1^3+5/32*a4^2+55/96*a4*a2^2+9/40*a4*a1^4+1/8*a8+1/4*a1*a7+23/128*a2^4+53/48*a4*a2*a1^2+751/720*a3*
a1*a2^2+9/8*a3*a2*a1^3+107/360*a3^2*a2+61/120*a3^2*a1^2+3/20*a3*a1^5, mep[4,1,1,1,1] = 1133/1440*a2^3*a1^2+1/24*a2*a1^6+
313/480*a2^2*a1^4+59/60*a5*a1*a2+77/120*a4*a1*a3+1/3*a6*a2+3/8*a6*a1^2+23/60*a5*a3+1/2*a5*a1^3+3/32*a4^2+37/96*a4*a2^2+3/
8*a4*a1^4+1/8*a8+1/4*a1*a7+13/128*a2^4+287/240*a4*a2*a1^2+1069/720*a3*a1*a2^2+173/120*a3*a2*a1^3+191/360*a3^2*a2+21/40*a3
^2*a1^2+1/4*a3*a1^5, mep[1,1,1,1,3] = -157/672*a2^3*a1^2-3/56*a2*a1^6-151/672*a2^2*a1^4-11/28*a5*a1*a2-89/280*a4*a1*a3-\
1/4*a6*a2-15/56*a6*a1^2-3/20*a5*a3-3/14*a5*a1^3-3/32*a4^2-7/32*a4*a2^2-9/56*a4*a1^4-3/8*a8-9/28*a1*a7-9/128*a2^4-55/112*
a4*a2*a1^2-661/1680*a3*a1*a2^2-419/840*a3*a2*a1^3-11/120*a3^2*a2-173/840*a3^2*a1^2-3/28*a3*a1^5, mep[1,1,1,2,2] = -127/
630*a2^3*a1^2-1/28*a2*a1^6-479/2520*a2^2*a1^4-83/210*a5*a1*a2-52/105*a4*a1*a3-1/6*a6*a2-5/28*a6*a1^2-11/30*a5*a3-1/7*a5*
a1^3-1/8*a4^2-1/12*a4*a2^2-3/28*a4*a1^4-1/4*a8-3/14*a1*a7-197/420*a4*a2*a1^2-143/315*a3*a1*a2^2-311/630*a3*a2*a1^3-47/180
*a3^2*a2-94/315*a3^2*a1^2-1/14*a3*a1^5, mep[1,1,1,3,1] = -2857/10080*a2^3*a1^2-1/56*a2*a1^6-527/3360*a2^2*a1^4-181/420*
a5*a1*a2-19/56*a4*a1*a3-1/3*a6*a2-5/56*a6*a1^2-1/4*a5*a3-1/14*a5*a1^3-3/32*a4^2-25/96*a4*a2^2-3/56*a4*a1^4-1/8*a8-3/28*a1
*a7-5/128*a2^4-241/560*a4*a2*a1^2-3209/5040*a3*a1*a2^2-331/840*a3*a2*a1^3-23/72*a3^2*a2-11/56*a3^2*a1^2-1/28*a3*a1^5, mep
[1,1,1,2,1,2] = -883/5040*a2^3*a1^2-1/28*a2*a1^6-59/315*a2^2*a1^4-23/70*a5*a1*a2-59/105*a4*a1*a3-1/6*a6*a2-5/28*a6*a1^2-7
/30*a5*a3-1/7*a5*a1^3-1/4*a4^2-7/48*a4*a2^2-3/28*a4*a1^4-1/4*a8-3/14*a1*a7-211/420*a4*a2*a1^2-163/504*a3*a1*a2^2-152/315*
a3*a2*a1^3-19/180*a3^2*a2-181/630*a3^2*a1^2-1/14*a3*a1^5, mep[1,1,1,2,2,1] = -971/3360*a2^3*a1^2-1/56*a2*a1^6-1399/10080*
a2^2*a1^4-139/420*a5*a1*a2-313/840*a4*a1*a3-1/4*a6*a2-5/56*a6*a1^2-11/60*a5*a3-1/14*a5*a1^3-5/32*a4^2-13/32*a4*a2^2-3/56*
a4*a1^4-1/8*a8-3/28*a1*a7-15/128*a2^4-667/1680*a4*a2*a1^2-1051/1680*a3*a1*a2^2-179/504*a3*a2*a1^3-29/120*a3^2*a2-481/2520
*a3^2*a1^2-1/28*a3*a1^5, mep[1,1,1,3,1,1] = -2213/10080*a2^3*a1^2-1/56*a2*a1^6-1399/10080*a2^2*a1^4-139/420*a5*a1*a2-397/
840*a4*a1*a3-1/6*a6*a2-5/56*a6*a1^2-19/60*a5*a3-1/14*a5*a1^3-5/32*a4^2-23/96*a4*a2^2-3/56*a4*a1^4-1/8*a8-3/28*a1*a7-7/128
*a2^4-667/1680*a4*a2*a1^2-2509/5040*a3*a1*a2^2-979/2520*a3*a2*a1^3-83/360*a3^2*a2-649/2520*a3^2*a1^2-1/28*a3*a1^5, mep[1,
1,2,1,1,2] = -73/420*a2^3*a1^2-1/28*a2*a1^6-479/2520*a2^2*a1^4-83/210*a5*a1*a2-52/105*a4*a1*a3-1/6*a6*a2-5/28*a6*a1^2-11/
30*a5*a3-1/7*a5*a1^3-1/8*a4^2-1/12*a4*a2^2-3/28*a4*a1^4-1/4*a8-3/14*a1*a7-197/420*a4*a2*a1^2-12/35*a3*a1*a2^2-311/630*a3*
a2*a1^3-3/20*a3^2*a2-94/315*a3^2*a1^2-1/14*a3*a1^5, mep[1,1,2,1,2,1] = -319/1120*a2^3*a1^2-1/56*a2*a1^6-157/1120*a2^2*a1^
4-51/140*a5*a1*a2-19/56*a4*a1*a3-1/4*a6*a2-5/56*a6*a1^2-1/4*a5*a3-1/14*a5*a1^3-3/32*a4^2-9/32*a4*a2^2-3/56*a4*a1^4-1/8*a8
-3/28*a1*a7-9/128*a2^4-213/560*a4*a2*a1^2-383/560*a3*a1*a2^2-101/280*a3*a2*a1^3-8/45*a3^2*a2-4/199/560*a4*a2*a1^2-\
3139/5040*a3*a1*a2^2-101/280*a3*a2*a1^3-143/360*a3^2*a2-193/840*a3^2*a1^2-1/28*a3*a1^5, mep[1,1,3,1,1,1] = -451/2016*a2^3
*a1^2-1/56*a2*a1^6-277/2016*a2^2*a1^4-25/84*a5*a1*a2-85/168*a4*a1*a3-1/4*a6*a2-5/56*a6*a1^2-1/4*a5*a3-1/7-3/32*
a4^2-23/96*a4*a2^2-3/56*a4*a1^4-1/8*a8-3/28*a1*a7-5/128*a2^4-139/336*a4*a2*a1^2-527/1008*a3*a1*a2^2-193/504*a3*a2*a1^3-19
/72*a3^2*a2-127/504*a3^2*a1^2-1/28*a3*a1^5, mep[1,2,1,1,1,2] = -74/315*a2^3*a1^2-1/28*a2*a1^6-521/2520*a2^2*a1^4-97/210*
a5*a1*a2-83/210*a4*a1*a3-1/3*a6*a2-5/28*a6*a1^2-7/30*a5*a3-1/7*a5*a1^3-1/8*a4^2-1/6*a4*a2^2-3/28*a4*a1^4-1/4*a8-3/14*a1*
a7-109/210*a4*a2*a1^2-551/1260*a3*a1*a2^2-311/630*a3*a2*a1^3-29/180*a3^2*a2-73/315*a3^2*a1^2-1/14*a3*a1^5, mep[1,2,1,1,2,
1] = -3389/10080*a2^3*a1^2-1/56*a2*a1^6-499/3360*a2^2*a1^4-167/420*a5*a1*a2-81/280*a4*a1*a3-1/3*a6*a2-5/56*a6*a1^2-11/60*
a5*a3-1/14*a5*a1^3-3/32*a4^2-43/96*a4*a2^2-3/56*a4*a1^4-1/8*a8-3/28*a1*a7-17/128*a2^4-227/560*a4*a2*a1^2-737/1008*a3*a1*
a2^2-101/280*a3*a2*a1^3-107/840*a3^2*a2-137/840*a3^2*a1^2-1/28*a3*a1^5, mep[1,2,1,2,1] = -319/1120*a2^3*a1^2-1/56*a2*a1^
1^6-157/1120*a2^2*a1^4-51/140*a5*a1*a2-19/56*a4*a1*a3-1/4*a6*a2-5/56*a6*a1^2-1/4*a5*a3-1/14*a5*a1^3-3/32*a4^2-9/32*a4*a2^2
-3/56*a4*a1^4-1/8*a8-3/28*a1*a7-9/128*a2^4-213/560*a4*a2*a1^2-383/560*a3*a1*a2^2-101/280*a3*a2*a1^3-8/45*a3^2*a2-11/56*a3^
2*a1^2-1/28*a3*a1^5, mep[1,2,2,1,1,1] = -971/3360*a2^3*a1^2-1/56*a2*a1^6-1399/10080*a2^2*a1^4-139/420*a5*a1*a2-313/840*a4
*a1*a3-1/4*a6*a2-5/56*a6*a1^2-11/60*a5*a3-1/14*a5*a1^3-5/32*a4^2-13/32*a4*a2^2-3/56*a4*a1^4-1/8*a8-3/28*a1*a7-15/128*a2^4
-667/1680*a4*a2*a1^2-1051/1680*a3*a1*a2^2-179/504*a3*a2*a1^3-29/120*a3^2*a2-481/2520*a3^2*a1^2-1/28*a3*a1^5, mep[1,3,1,1,
1,1] = -2969/10080*a2^3*a1^2-1/56*a2*a1^6-499/3360*a2^2*a1^4-167/420*a5*a1*a2-109/280*a4*a1*a3-1/4*a6*a2-5/56*a6*a1^2-19/
60*a5*a3-1/14*a5*a1^3-3/32*a4^2-9/32*a4*a2^2-3/56*a4*a1^4-1/8*a8-3/28*a1*a7-9/128*a2^4-227/560*a4*a2*a1^2-3601/5040*a3*a1
*a2^2-331/840*a3*a2*a1^3-143/360*a3^2*a2-193/840*a3^2*a1^2-1/28*a3*a1^5, mep[2,1,1,1,1,2] = -2/9*a2^3*a1^2-1/12*a2*a1^6-\
25/72*a2^2*a1^4-1/2*a5*a1*a2-19/30*a4*a1*a3-1/6*a6*a2-5/12*a6*a1^2-7/30*a5*a3-1/3*a5*a1^3-1/8*a4^2-1/12*a4*a1^4
^4-1/4*a8-1/2*a1*a7-3/4*a4*a2*a1^2-61/180*a3*a1*a2^2-37/45*a3*a2*a1^3-19/180*a3^2*a2-19/45*a3^2*a1^2-1/6*a3*a1^5, mep[2,1
,1,1,2,1] = -71/160*a2^3*a1^2-1/24*a2*a1^6-407/1440*a2^2*a1^4-3/4*a5*a1*a2-59/120*a4*a1*a3-1/4*a6*a2-5/24*a6*a1^2-11/60
*a5*a3-1/6*a5*a1^3-3/32*a4^2-9/32*a4*a2^2-1/8*a4*a1^4-1/8*a8-1/4*a1*a7-9/128*a2^4-57/80*a4*a2*a1^2-203/240*a3*a1*a2^2-49/
72*a3*a2*a1^3-29/120*a3^2*a2-113/360*a3^2*a1^2-1/12*a3*a1^5, mep[2,1,1,2,1,1] = -503/1440*a2^3*a1^2-1/24*a2*a1^6-379/1440
*a2^2*a1^4-29/60*a5*a1*a2-5/8*a4*a1*a3-1/6*a6*a2-5/24*a6*a1^2-1/4*a5*a3-1/6*a5*a1^3-3/32*a4^2-17/96*a4*a2^2-1/8*a4*a1^4-1
/8*a8-1/4*a1*a7-5/128*a2^4-157/240*a4*a2*a1^2-511/720*a3*a1*a2^2-247/360*a3*a2*a1^3-19/72*a3^2*a2-29/72*a3^2*a1^2-1/12*a3
*a1^5, mep[2,1,2,1,1,1] = -499/1440*a2^3*a1^2-1/24*a2*a1^6-377/1440*a2^2*a1^4-9/20*a5*a1*a2-79/120*a4*a1*a3-1/6*a6*a2-5/
24*a6*a1^2-11/60*a5*a3-1/6*a5*a1^3-5/32*a4^2-23/96*a4*a2^2-1/8*a4*a1^4-1/8*a8-1/4*a1*a7-7/128*a2^4-161/240*a4*a2*a1^2-479
/720*a3*a1*a2^2-49/72*a3*a2*a1^3-67/360*a3^2*a2-143/360*a3^2*a1^2-1/12*a3*a1^5, mep[2,2,1,1,1,1] = -115/288*a2^3*a1^2-1/
24*a2*a1^6-79/288*a2^2*a1^4-7/12*a5*a1*a2-13/24*a4*a1*a3-1/6*a6*a2-5/24*a6*a1^2-1/4*a5*a3-1/6*a5*a1^3-3/32*a4^2-17/96*a4*
a2^2-1/8*a4*a1^4-1/8*a8-1/4*a1*a7-5/128*a2^4-11/16*a4*a2*a1^2-113/144*a3*a1*a2^2-49/72*a3*a2*a1^3-19/72*a3^2*a2-25/72*a3^
2*a1^2-1/12*a3*a1^5, mep[3,1,1,1,1,1] = -145/288*a2^3*a1^2-3/40*a2*a1^6-197/480*a2^2*a1^4-7/12*a5*a1*a2-59/120*a4*a1*a3-1
/3*a6*a2-3/8*a6*a1^2-11/60*a5*a3-3/10*a5*a1^3-3/32*a4^2-37/96*a4*a2^2-9/40*a4*a1^4-1/8*a8-1/4*a1*a7-13/128*a2^4-43/48*a4*
a2*a1^2-631/720*a3*a1*a2^2-23/24*a3*a2*a1^3-107/360*a3^2*a2-17/40*a3^2*a1^2-3/20*a3*a1^5, mep[1,1,1,1,1,2] = 389/2520*
a2^3*a1^2+1/28*a2*a1^6+437/2520*a2^2*a1^4+23/70*a5*a1*a2+83/210*a4*a1*a3+1/6*a6*a2+5/28*a6*a1^2+7/30*a5*a3+1/7*a5*a1^3+1/
8*a4^2+1/12*a4*a2^2+3/28*a4*a1^4+1/4*a8+3/14*a1*a7+44/105*a4*a2^2+269/630*a3*a2*a1^3+19/180*a3^2*a2+
73/315*a3^2*a1^2+1/14*a3*a1^5, mep[1,1,1,1,2,1] = 277/1120*a2^3*a1^2+1/56*a2*a1^6+443/3360*a2^2*a1^4+139/420*a5*a1*a2+
81/280*a4*a1*a3+1/4*a6*a2+5/56*a6*a1^2+1/4*a5*a3+1/14*a5*a1^3+3/32*a4^2+9/32*a4*a2^2+3/56*a4*a1^4+1/8*a8+3/28*a1*a7+9/
128*a2^4+199/560*a4*a2*a1^2+911/1680*a3*a1*a2^2+55/168*a3*a2*a1^3+29/120*a3^2*a2+137/840*a3^2*a1^2+1/28*a3*a1^5, mep[1,1,
1,1,2,1,1] = 409/2016*a2^3*a1^2+1/56*a2*a1^6+83/672*a2^2*a1^4+25/84*a5*a1*a2+19/56*a4*a1*a3+1/6*a6*a2+5/56*a6*a1^2+1/4*a5
*a3+1/14*a5*a1^3+3/32*a4^2+17/96*a4*a2^2+3/56*a4*a1^4+1/8*a8+3/28*a1*a7+5/128*a2^4+37/112*a4*a2*a1^2+485/1008*a3*a1*a2^2+
55/168*a3*a2*a1^3+19/72*a3^2*a2+11/56*a3^2*a1^2+1/28*a3*a1^5, mep[1,1,1,2,1,1,1] = 2017/10080*a2^3*a1^2+1/56*a2*a1^6+1231
/10080*a2^2*a1^4+37/140*a5*a1*a2+313/840*a4*a1*a3+1/6*a6*a2+5/56*a6*a1^2+11/60*a5*a3+1/14*a5*a1^3+5/32*a4^2+23/96*a4*a2^2
+3/56*a4*a1^4+1/8*a8+3/28*a1*a7+7/128*a2^4+583/1680*a4*a2*a1^2+2201/5040*a3*a1*a2^2+811/2520*a3*a2*a1^3+67/360*a3^2*a2+
481/2520*a3^2*a1^2+1/28*a3*a1^5, mep[1,1,2,1,1,1,1] = 409/2016*a2^3*a1^2+1/56*a2*a1^6+83/672*a2^2*a1^4+25/84*a5*a1*a2+19/
56*a4*a1*a3+1/6*a6*a2+5/56*a6*a1^2+1/4*a5*a3+1/14*a5*a1^3+3/32*a4^2+17/96*a4*a2^2+3/56*a4*a1^4+1/8*a8+3/28*a1*a7+5/128*a2
^4+37/112*a4*a2*a1^2+485/1008*a3*a1*a2^2+55/168*a3*a2*a1^3+19/72*a3^2*a2+11/56*a3^2*a1^2+1/28*a3*a1^5, mep[1,2,1,1,1,1,1]
= 277/1120*a2^3*a1^2+1/56*a2*a1^6+443/3360*a2^2*a1^4+139/420*a5*a1*a2+81/280*a4*a1*a3+1/4*a6*a2+5/56*a6*a1^2+11/60*a5*a3+
1/14*a5*a1^3+3/32*a4^2+9/32*a4*a2^2+3/56*a4*a1^4+1/8*a8+3/28*a1*a7+9/128*a2^4+199/560*a4*a2*a1^2+911/1680*a3*a1*a2^2+55/
168*a3*a2*a1^3+29/120*a3^2*a2+137/840*a3^2*a1^2+1/28*a3*a1^5, mep[2,1,1,1,1,1,1] = 439/1440*a2^3*a1^2+1/24*a2*a1^6+347/
1440*a2^2*a1^4+9/20*a5*a1*a2+59/120*a4*a1*a3+1/6*a6*a2+5/24*a6*a1^2+11/60*a5*a3+1/6*a5*a1^3+3/32*a4^2+17/96*a4*a2^2+1/8*
a4*a1^4+1/8*a8+1/4*a1*a7+5/128*a2^4+161/240*a4*a2*a1^2+479/720*a3*a1*a2^2+43/72*a3*a2*a1^3+67/360*a3^2*a2+143/360*a3^2*a1^2
+1/12*a3*a1^5, mep[1,1,1,1,1,1,1] = -1807/10080*a2^3*a1^2-1/56*a2*a1^6-129/1120*a2^2*a1^4-37/140*a5*a1*a2-81/280*a4*a1*
a3-1/6*a6*a2-5/56*a6*a1^2-11/60*a5*a3-1/14*a5*a1^3-3/32*a4^2-17/96*a4*a2^2-3/56*a4*a1^4-1/8*a8-3/28*a1*a7-5/128*a2^4-171/
560*a4*a2*a1^2-1991/5040*a3*a1*a2^2-247/840*a3*a2*a1^3-67/360*a3^2*a2-137/840*a3^2*a1^2-1/28*a3*a1^5
] : ##
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