```
##################################################################################################
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### File "b2_diS_to_S_in_ne_basis";
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##################################################################################################
### restart;

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

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

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

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

##################################################################################################
senep1:= [nep[1] = a1] : ##

senep2:= [
nep[2] = -a2-a1^2,
nep[1,1] = 1/2*a2+a1^2
] : ##

senep3:= [
nep[3] = a3+2*a1*a2+a1^3,
nep[1,2] = -1/3*a3-5/3*a1*a2-a1^3,
nep[2,1] = -2/3*a3-4/3*a1*a2-a1^3,
nep[1,1,1] = 1/3*a3+7/6*a1*a2+a1^3
] : ##

senep4:= [
nep[4] = -a4-2*a1*a3-a2^2-3*a2*a1^2-a1^4,
nep[1,3] = 1/4*a4+3/2*a1*a3+5/8*a2^2+11/4*a2*a1^2+a1^4,
nep[2,2] = 1/2*a4+a2^2+5/2*a2*a1^2+a1*a3+a1^4,
nep[3,1] = 3/4*a4+3/2*a1*a3+9/4*a2*a1^2+a1^4+3/8*a2^2,
nep[1,1,2] = -1/4*a4-5/6*a1*a3-5/8*a2^2-29/12*a2*a1^2-a1^4,
nep[1,2,1] = -1/4*a4-7/6*a1*a3-25/12*a2*a1^2-a1^4-3/8*a2^2,
nep[2,1,1] = -1/2*a4-1/2*a2^2-2*a2*a1^2-a1*a3-a1^4,
nep[1,1,1,1] = 1/4*a4+5/6*a1*a3+3/8*a2^2+23/12*a2*a1^2+a1^4
] : ##

senep5:= [
nep[5] = a5+2*a1*a4+2*a3*a2+3*a3*a1^2+3*a1*a2^2+4*a2*a1^3+a1^5,
nep[1,4] = -1/5*a5-7/5*a1*a4-16/15*a3*a2-13/5*a3*a1^2-73/30*a1*a2^2-19/5*a2*a1^3-a1^5,
nep[2,3] = -2/5*a5-9/5*a3*a2-11/5*a3*a1^2-4/5*a1*a4-49/20*a1*a2^2-18/5*a2*a1^3-a1^5,
nep[3,2] = -3/5*a5-6/5*a3*a2-51/20*a1*a2^2-17/5*a2*a1^3-6/5*a1*a4-9/5*a3*a1^2-a1^5,
nep[4,1] = -4/5*a5-8/5*a1*a4-12/5*a3*a1^2-47/30*a1*a2^2-16/5*a2*a1^3-a1^5-14/15*a3*a2,
nep[1,1,3] = 71/20*a2*a1^3+247/120*a1*a2^2+21/10*a3*a1^2+16/15*a3*a2+13/20*a1*a4+1/5*a5+a1^5,
nep[1,2,2] = 1/5*a5+9/10*a1*a4+11/15*a3*a2+34/15*a1*a2^2+33/10*a2*a1^3+8/5*a3*a1^2+a1^5,
nep[1,3,1] = 61/20*a2*a1^3+167/120*a1*a2^2+21/10*a3*a1^2+11/15*a3*a2+23/20*a1*a4+1/5*a5+a1^5,
nep[2,1,2] = 49/15*a2*a1^3+127/60*a1*a2^2+23/15*a3*a1^2+17/15*a3*a2+4/5*a1*a4+2/5*a5+a1^5,
nep[2,2,1] = 2/5*a5+17/15*a3*a2+28/15*a3*a1^2+4/5*a1*a4+97/60*a1*a2^2+44/15*a2*a1^3+a1^5,
nep[3,1,1] = 3/5*a5+7/10*a3*a2+31/20*a1*a2^2+29/10*a2*a1^3+6/5*a1*a4+9/5*a3*a1^2+a1^5,
nep[1,1,1,2] = -1/5*a5-13/20*a1*a4-11/15*a3*a2-43/30*a3*a1^2-227/120*a1*a2^2-193/60*a2*a1^3-a1^5,
nep[1,1,2,1] = -173/60*a2*a1^3-167/120*a1*a2^2-53/30*a3*a1^2-11/15*a3*a2-13/20*a1*a4-1/5*a5-a1^5,
nep[1,2,1,1] = -14/5*a2*a1^3-43/30*a1*a2^2-8/5*a3*a1^2-17/30*a3*a2-9/10*a1*a4-1/5*a5-a1^5,
nep[2,1,1,1] = -2/5*a5-4/5*a3*a2-23/15*a3*a1^2-29/20*a1*a2^2-83/30*a2*a1^3-4/5*a1*a4-a1^5,
nep[1,1,1,1,1] = 1/5*a5+13/20*a1*a4+17/30*a3*a2+43/30*a3*a1^2+157/120*a1*a2^2+163/60*a2*a1^3+a1^5
] : ##

senep6:= [
nep[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,
nep[1,5] = 163/36*a3*a1*a2+5/2*a4*a1^2+23/24*a4*a2+29/6*a2*a1^4+383/72*a2^2*a1^2+11/3*a3*a1^3+4/9*a3^2+1/6*a6+4/3*a1*a5+11/16*a2^3+a1^6,
nep[2,4] = 40/9*a3*a1*a2+2*a4*a1^2+5/3*a4*a2+14/3*a2*a1^4+46/9*a2^2*a1^2+10/3*a3*a1^3+7/9*a3^2+1/3*a6+2/3*a1*a5+a2^3+a1^6,
nep[3,3] = 5*a3*a1*a2+3/2*a4*a1^2+a4*a2+9/2*a2*a1^4+5*a2^2*a1^2+3*a3*a1^3+a3^2+1/2*a6+a1*a5+1/2*a2^3+a1^6,
nep[4,2] = 32/9*a3*a1*a2+2*a4*a1^2+4/3*a4*a2+13/3*a2*a1^4+44/9*a2^2*a1^2+8/3*a3*a1^3+2/9*a3^2+2/3*a6+4/3*a1*a5+a2^3+a1^6,
nep[5,1] = 125/36*a3*a1*a2+5/2*a4*a1^2+25/24*a4*a2+25/6*a2*a1^4+265/72*a2^2*a1^2+10/3*a3*a1^3+5/9*a3^2+5/6*a6+5/3*a1*a5+5/16*a2^3+a1^6,
nep[1,1,4] = -647/180*a3*a1*a2-19/10*a4*a1^2-23/24*a4*a2-139/30*a2*a1^4-1711/360*a2^2*a1^2-49/15*a3*a1^3-4/9*a3^2-1/6*a6-8/15*a1*a5-11/16*a2^3-a1^6,
nep[1,2,3] = -367/90*a3*a1*a2-13/10*a4*a1^2-7/12*a4*a2-133/30*a2*a1^4-209/45*a2^2*a1^2-43/15*a3*a1^3-4/9*a3^2-1/6*a6-11/15*a1*a5-1/2*a2^3-a1^6,
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nep[1,3,2] = -541/180*a3*a1*a2-17/10*a4*a1^2-17/24*a4*a2-127/30*a2*a1^4-1643/360*a2^2*a1^2-37/15*a3*a1^3-2/9*a3^2-1/6*a6-14/15*a1*a5-11/16*a2^3-a1^6,
nep[1,4,1] = -57/20*a3*a1*a2-21/10*a4*a1^2-17/24*a4*a2-121/30*a2*a1^4-403/120*a2^2*a1^2-46/15*a3*a1^3-1/3*a3^2-1/6*a6-17/15*a1*a5-5/16*a2^3-a1^6,
nep[2,1,3] = -71/18*a3*a1*a2-5/4*a4*a1^2-11/12*a4*a2-53/12*a2*a1^4-323/72*a2^2*a1^2-17/6*a3*a1^3-7/9*a3^2-1/3*a6-2/3*a1*a5-5/8*a2^3-a1^6,
nep[2,2,2] = -3*a3*a1*a2-3/2*a4*a1^2-7/6*a4*a2-25/6*a2*a1^4-9/2*a2^2*a1^2-7/3*a3*a1^3-1/3*a3^2-1/3*a6-2/3*a1*a5-a2^3-a1^6,
nep[2,3,1] = -29/9*a3*a1*a2-7/4*a4*a1^2-7/6*a4*a2-47/12*a2*a1^4-247/72*a2^2*a1^2-17/6*a3*a1^3-5/9*a3^2-1/3*a6-2/3*a1*a5-3/8*a2^3-a1^6,
nep[3,1,2] = -10/3*a3*a1*a2-3/2*a4*a1^2-a4*a2-25/6*a2*a1^4-13/3*a2^2*a1^2-7/3*a3*a1^3-1/3*a3^2-1/2*a6-a1*a5-1/2*a2^3-a1^6,
nep[3,2,1] = -41/12*a3*a1*a2-3/2*a4*a1^2-5/8*a4*a2-23/6*a2*a1^4-85/24*a2^2*a1^2-8/3*a3*a1^3-2/3*a3^2-1/2*a6-a1*a5-5/16*a2^3-a1^6,
nep[4,1,1] = -23/9*a3*a1*a2-2*a4*a1^2-5/6*a4*a2-23/6*a2*a1^4-61/18*a2^2*a1^2-8/3*a3*a1^3-2/9*a3^2-2/3*a6-4/3*a1*a5-1/2*a2^3-a1^6,
nep[1,1,1,3] = 301/90*a3*a1*a2+23/20*a4*a1^2+7/12*a4*a2+263/60*a2*a1^4+1531/360*a2^2*a1^2+83/30*a3*a1^3+4/9*a3^2+1/6*a6+8/15*a1*a5+1/2*a2^3+a1^6,
nep[1,1,2,2] = 457/180*a3*a1*a2+7/5*a4*a1^2+17/24*a4*a2+62/15*a2*a1^4+1541/360*a2^2*a1^2+34/15*a3*a1^3+2/9*a3^2+1/6*a6+8/15*a1*a5+11/16*a2^3+a1^6,
nep[1,1,3,1] = 53/20*a3*a1*a2+33/20*a4*a1^2+17/24*a4*a2+233/60*a2*a1^4+191/60*a2^2*a1^2+83/30*a3*a1^3+1/3*a3^2+1/6*a6+8/15*a1*a5+5/16*a2^3+a1^6,
nep[1,2,1,2] = 257/90*a3*a1*a2+13/10*a4*a1^2+7/12*a4*a2+41/10*a2*a1^4+184/45*a2^2*a1^2+11/5*a3*a1^3+2/9*a3^2+1/6*a6+11/15*a1*a5+1/2*a2^3+a1^6,
nep[1,2,2,1] = 173/60*a3*a1*a2+13/10*a4*a1^2+11/24*a4*a2+113/30*a2*a1^4+133/40*a2^2*a1^2+38/15*a3*a1^3+1/3*a3^2+1/6*a6+11/15*a1*a5+5/16*a2^3+a1^6,
nep[1,3,1,1] = 203/90*a3*a1*a2+17/10*a4*a1^2+7/12*a4*a2+56/15*a2*a1^4+287/90*a2^2*a1^2+37/15*a3*a1^3+2/9*a3^2+1/6*a6+14/15*a1*a5+3/8*a2^3+a1^6,
nep[2,1,1,2] = 17/6*a3*a1*a2+5/4*a4*a1^2+11/12*a4*a2+49/12*a2*a1^4+97/24*a2^2*a1^2+13/6*a3*a1^3+1/3*a3^2+1/3*a6+2/3*a1*a5+5/8*a2^3+a1^6,
nep[2,1,2,1] = 26/9*a3*a1*a2+5/4*a4*a1^2+2/3*a4*a2+15/4*a2*a1^4+235/72*a2^2*a1^2+5/2*a3*a1^3+5/9*a3^2+1/3*a6+2/3*a1*a5+3/8*a2^3+a1^6,
nep[2,2,1,1] = 5/2*a3*a1*a2+3/2*a4*a1^2+11/12*a4*a2+11/3*a2*a1^4+13/4*a2^2*a1^2+7/3*a3*a1^3+1/3*a3^2+1/3*a6+2/3*a1*a5+1/2*a2^3+a1^6,
nep[3,1,1,1] = 31/12*a3*a1*a2+3/2*a4*a1^2+5/8*a4*a2+11/3*a2*a1^4+77/24*a2^2*a1^2+7/3*a3*a1^3+1/3*a3^2+1/2*a6+a1*a5+5/16*a2^3+a1^6,
nep[1,1,1,1,2] = -221/90*a3*a1*a2-23/20*a4*a1^2-7/12*a4*a2-81/20*a2*a1^4-1391/360*a2^2*a1^2-21/10*a3*a1^3-2/9*a3^2-1/6*a6-8/15*a1*a5-1/2*a2^3-a1^6,
nep[1,1,1,2,1] = -149/60*a3*a1*a2-23/20*a4*a1^2-11/24*a4*a2-223/60*a2*a1^4-31/10*a2^2*a1^2-73/30*a3*a1^3-1/3*a3^2-1/6*a6-8/15*a1*a5-5/16*a2^3-a1^6,
nep[1,1,2,1,1] = -191/90*a3*a1*a2-7/5*a4*a1^2-7/12*a4*a2-109/30*a2*a1^4-553/180*a2^2*a1^2-34/15*a3*a1^3-2/9*a3^2-1/6*a6-8/15*a1*a5-3/8*a2^3-a1^6,
nep[1,2,1,1,1] = -409/180*a3*a1*a2-13/10*a4*a1^2-11/24*a4*a2-18/5*a2*a1^4-1097/360*a2^2*a1^2-11/5*a3*a1^3-2/9*a3^2-1/6*a6-11/15*a1*a5-5/16*a2^3-a1^6,
nep[2,1,1,1,1] = -7/3*a3*a1*a2-5/4*a4*a1^2-2/3*a4*a2-43/12*a2*a1^4-73/24*a2^2*a1^2-13/6*a3*a1^3-1/3*a3^2-1/3*a6-2/3*a1*a5-3/8*a2^3-a1^6,
nep[1,1,1,1,1,1] = 1/6*a6+8/15*a1*a5+11/24*a4*a2+23/20*a4*a1^2+2/9*a3^2+367/180*a3*a1*a2+21/10*a3*a1^3+5/16*a2^3+523/180*a2^2*a1^2+71/20*a2*a1^4+a1^6
] : ##

senep7:= [
nep[7] = a1^7+2*a4*a3+3*a5*a1^2+2*a5*a2+2*a1*a6+a7+12*a3*a2*a1^2+6*a4*a1*a2+4*a4*a1^3+6*a2*a1^5+10*a2^2*a1^3+4*a1*a2^3+5*
a3*a1^4+3*a3*a2^2+3*a1*a3^2, nep[1,6] = -a1^7-11/14*a4*a3-17/7*a5*a1^2-31/35*a5*a2-9/7*a1*a6-1/7*a7-1069/105*a3*a2*a1^2-\
603/140*a4*a1*a2-25/7*a4*a1^3-41/7*a2*a1^5-3883/420*a2^2*a1^3-909/280*a1*a2^3-33/7*a3*a1^4-263/140*a3*a2^2-44/21*a1*a3^2,
nep[2,5] = -a1^7-59/42*a4*a3-13/7*a5*a1^2-11/7*a5*a2-4/7*a1*a6-2/7*a7-601/63*a3*a2*a1^2-347/84*a4*a1*a2-22/7*a4*a1^3-40/7*
a2*a1^5-2239/252*a2^2*a1^3-197/56*a1*a2^3-31/7*a3*a1^4-20/7*a3*a2^2-124/63*a1*a3^2, nep[3,4] = -a1^7-13/7*a4*a3-9/7*a5*a1^
2-6/7*a5*a2-6/7*a1*a6-3/7*a7-199/21*a3*a2*a1^2-32/7*a4*a1*a2-19/7*a4*a1^3-39/7*a2*a1^5-181/21*a2^2*a1^3-45/14*a1*a2*a3-29/7
*a3*a1^4-25/14*a3*a2^2-55/21*a1*a3^2, nep[4,3] = -a1^7-8/7*a4*a3-12/7*a5*a1^2-8/7*a5*a2-8/7*a1*a6-4/7*a7-200/21*a3*a2*a1^2
-24/7*a4*a1*a2-16/7*a4*a1^3-38/7*a2*a1^5-176/21*a2^2*a1^3-39/14*a1*a2^3-27/7*a3*a1^4-31/14*a3*a2^2-50/21*a1*a3^2, nep[5,2]
= -a1^7-25/42*a4*a3-15/7*a5*a1^2-10/7*a5*a2-10/7*a1*a6-5/7*a7-470/63*a3*a2*a1^2-325/84*a4*a1*a2-20/7*a4*a1^3-37/7*a2*a1^5-\
2045/252*a2^2*a1^3-195/56*a1*a2^3-25/7*a3*a1^4-15/7*a3*a2^2-65/63*a1*a3^2, nep[6,1] = -a1^7-17/14*a4*a3-18/7*a5*a1^2-39/35
*a5*a2-12/7*a1*a6-6/7*a7-821/105*a3*a2*a1^2-517/140*a4*a1*a2-24/7*a4*a1^3-36/7*a2*a1^5-2837/420*a2^2*a1^3-491/280*a1*a2^3-\
30/7*a3*a1^4-157/140*a3*a2^2-40/21*a1*a3^2, nep[1,1,5] = a1^7+11/14*a4*a3+37/21*a5*a1^2+31/35*a5*a2+19/42*a1*a6+1/7*a7+
10973/1260*a3*a2*a1^2+2743/840*a4*a1*a2+43/14*a4*a1^3+239/42*a2*a1^5+21583/2520*a2^2*a1^3+1643/560*a1*a2^3+92/21*a3*a1^4+
263/140*a3*a2^2+97/63*a1*a3^2, nep[1,2,4] = a1^7+11/14*a4*a3+23/21*a5*a1^2+17/35*a5*a2+13/21*a1*a6+1/7*a7+2654/315*a3*a2*
a1^2+1543/420*a4*a1*a2+18/7*a4*a1^3+116/21*a2*a1^5+10403/1260*a2^2*a1^3+2489/840*a1*a2^3+45/21*a3*a1^4+593/420*a3*a2^2+118
/63*a1*a3^2, nep[1,3,3] = a1^7+15/28*a4*a3+10/7*a5*a1^2+41/70*a5*a2+11/14*a1*a6+1/7*a7+603/70*a3*a2*a1^2+723/280*a4*a1*a2+
29/14*a4*a1^3+75/14*a2*a1^5+2241/280*a2^2*a1^3+1349/560*a1*a2^3+26/7*a3*a1^4+463/280*a3*a2^2+27/14*a1*a3^2, nep[1,4,2] =
a1^7+19/42*a4*a3+37/21*a5*a1^2+24/35*a5*a2+20/21*a1*a6+1/7*a7+2108/315*a3*a2*a1^2+1291/420*a4*a1*a2+18/7*a4*a1^3+109/21*a2
*a1^5+9731/1260*a2^2*a1^3+2503/840*a1*a2^3+71/21*a3*a1^4+293/210*a3*a2^2+55/63*a1*a3^2, nep[1,5,1] = a1^7+13/21*a4*a3+44/
21*a5*a1^2+24/35*a5*a2+47/42*a1*a6+1/7*a7+2869/420*a3*a2*a1^2+2407/840*a4*a1*a2+43/14*a4*a1^3+211/42*a2*a1^5+5309/840*a2^2
*a1^3+887/560*a1*a2^3+85/21*a3*a1^4+137/140*a3*a2^2+10/7*a1*a3^2, nep[2,1,4] = a1^7+59/42*a4*a3+37/35*a5*a1^2+27/35*a5*a2+
4/7*a1*a6+2/7*a7+517/63*a3*a2*a1^2+1483/420*a4*a1*a2+89/35*a4*a1^3+193/35*a2*a1^5+10229/1260*a2^2*a1^3+2479/840*a1*a2^3+
141/35*a3*a1^4+202/105*a3*a2^2+124/63*a1*a3^2, nep[2,2,3] = a1^7+19/21*a4*a3+44/35*a5*a1^2+34/35*a5*a2+4/7*a1*a6+2/7*a7+
517/63*a3*a2*a1^2+563/210*a4*a1*a2+68/35*a4*a1^3+186/35*a2*a1^5+9893/1260*a2^2*a1^3+199/70*a1*a2^3+127/35*a3*a1^4+337/140*
a3*a2^2+103/63*a1*a3^2, nep[2,3,2] = a1^7+31/42*a4*a3+51/35*a5*a1^2+41/35*a5*a2+4/7*a1*a6+2/7*a7+419/63*a3*a2*a1^2+1259/
420*a4*a1*a2+82/35*a4*a1^3+179/35*a2*a1^5+2398/315*a2^2*a1^3+859/280*a1*a2^3+113/35*a3*a1^4+72/35*a3*a2^2+68/63*a1*a3^2,
nep[2,4,1] = a1^7+15/14*a4*a3+58/35*a5*a1^2+41/35*a5*a2+4/7*a1*a6+2/7*a7+239/35*a3*a2*a1^2+443/140*a4*a1*a2+96/35*a4*a1^3+
172/35*a2*a1^5+2621/420*a2^2*a1^3+509/280*a1*a2^3+134/35*a3*a1^4+183/140*a3*a2^2+32/21*a1*a3^2, nep[3,1,3] = a1^7+31/28*a4
*a3+9/7*a5*a1^2+6/7*a5*a2+6/7*a1*a6+3/7*a7+691/84*a3*a2*a1^2+43/14*a4*a1*a2+55/28*a4*a1^3+149/28*a2*a1^5+1301/168*a2^2*a1^
3+69/28*a1*a2^3+51/14*a3*a1^4+79/56*a3*a2^2+89/42*a1*a3^2, nep[3,2,2] = a1^7+6/7*a4*a3+9/7*a5*a1^2+6/7*a5*a2+6/7*a1*a6+3/7
*a7+93/14*a3*a2*a1^2+93/28*a4*a1*a2+31/14*a4*a1^3+71/14*a2*a1^5+211/28*a2^2*a1^3+173/56*a1*a2^3+22/7*a3*a1^4+43/28*a3*a2^2
+9/7*a1*a3^2, nep[3,3,1] = a1^7+19/14*a4*a3+9/7*a5*a1^2+39/70*a5*a2+6/7*a1*a6+3/7*a7+3007/420*a3*a2*a1^2+937/280*a4*a1*a2+
69/28*a4*a1^3+135/28*a2*a1^5+1313/210*a2^2*a1^3+911/560*a1*a2^3+51/14*a3*a1^4+131/140*a3*a2^2+41/21*a1*a3^2, nep[4,1,2] =
a1^7+10/21*a4*a3+12/7*a5*a1^2+8/7*a5*a2+8/7*a1*a6+4/7*a7+48/7*a3*a2*a1^2+65/21*a4*a1*a2+16/7*a4*a1^3+107/21*a2*a1^5+155/21
*a2^2*a1^3+103/42*a1*a2^3+67/21*a3*a1^4+65/42*a3*a2^2+22/21*a1*a3^2, nep[4,2,1] = a1^7+17/21*a4*a3+12/7*a5*a1^2+26/35*a5*
a2+8/7*a1*a6+4/7*a7+734/105*a3*a2*a1^2+517/210*a4*a1*a2+16/7*a4*a1^3+100/21*a2*a1^5+1319/210*a2^2*a1^3+257/140*a1*a2^3+74/
21*a3*a1^4+99/70*a3*a2^2+12/7*a1*a3^2, nep[5,1,1] = a1^7+25/42*a4*a3+15/7*a5*a1^2+13/14*a5*a2+10/7*a1*a6+5/7*a7+751/126*a3
*a2*a1^2+241/84*a4*a1*a2+20/7*a4*a1^3+67/14*a2*a1^5+1541/252*a2^2*a1^3+111/56*a1*a2^3+25/7*a3*a1^4+8/7*a3*a2^2+65/63*a1*a3
^2, nep[1,1,1,4] = -a1^7-11/14*a4*a3-101/105*a5*a1^2-17/35*a5*a2-19/42*a1*a6-1/7*a7-1909/252*a3*a2*a1^2-2491/840*a4*a1*a2-\
173/70*a4*a1^3-1153/210*a2*a1^5-19903/2520*a2^2*a1^3-4453/1680*a1*a2^3-418/105*a3*a1^4-593/420*a3*a2^2-97/63*a1*a3^2, nep[
1,1,2,3] = -a1^7-15/28*a4*a3-122/105*a5*a1^2-41/70*a5*a2-19/42*a1*a6-1/7*a7-2423/315*a3*a2*a1^2-1819/840*a4*a1*a2-131/70*
a4*a1^3-1111/210*a2*a1^5-19273/2520*a2^2*a1^3-1349/560*a1*a2^3-376/105*a3*a1^4-463/280*a3*a2^2-173/126*a1*a3^2, nep[1,1,3,
2] = -a1^7-19/42*a4*a3-143/105*a5*a1^2-24/35*a5*a2-19/42*a1*a6-1/7*a7-7739/1260*a3*a2*a1^2-2057/840*a4*a1*a2-159/70*a4*a1^
3-1069/210*a2*a1^5-18643/2520*a2^2*a1^3-4481/1680*a1*a2^3-334/105*a3*a1^4-293/210*a3*a2^2-55/63*a1*a3^2, nep[1,1,4,1] = -
a1^7-13/21*a4*a3-164/105*a5*a1^2-24/35*a5*a2-19/42*a1*a6-1/7*a7-7823/1260*a3*a2*a1^2-709/280*a4*a1*a2-187/70*a4*a1^3-1027/
210*a2*a1^5-3023/504*a2^2*a1^3-887/560*a1*a2^3-397/105*a3*a1^4-137/140*a3*a2^2-76/63*a1*a3^2, nep[1,2,1,3] = -a1^7-15/28*
a4*a3-23/21*a5*a1^2-17/35*a5*a2-13/21*a1*a6-1/7*a7-9461/1260*a3*a2*a1^2-509/210*a4*a1*a2-51/28*a4*a1^3-443/84*a2*a1^5-\
18811/2520*a2^2*a1^3-491/210*a1*a2^3-149/42*a3*a1^4-1081/840*a3*a2^2-215/126*a1*a3^2, nep[1,2,2,2] = -a1^7-19/42*a4*a3-23/
21*a5*a1^2-17/35*a5*a2-13/21*a1*a6-1/7*a7-3803/630*a3*a2*a1^2-193/70*a4*a1*a2-29/14*a4*a1^3-211/42*a2*a1^5-4589/630*a2^2*
a1^3-298/105*a1*a2^3-64/21*a3*a1^4-122/105*a3*a2^2-62/63*a1*a3^2, nep[1,2,3,1] = -a1^7-13/21*a4*a3-23/21*a5*a1^2-27/70*a5*
a2-13/21*a1*a6-1/7*a7-2701/420*a3*a2*a1^2-2323/840*a4*a1*a2-65/28*a4*a1^3-401/84*a2*a1^5-1259/210*a2^2*a1^3-873/560*a1*a2^
3-149/42*a3*a1^4-123/140*a3*a2^2-10/7*a1*a3^2, nep[1,3,1,2] = -a1^7-31/84*a4*a3-10/7*a5*a1^2-41/70*a5*a2-11/14*a1*a6-1/7*
a7-1319/210*a3*a2*a1^2-2099/840*a4*a1*a2-29/14*a4*a1^3-211/42*a2*a1^5-5953/840*a2^2*a1^3-3697/1680*a1*a2^3-64/21*a3*a1^4-\
1039/840*a3*a2^2-13/14*a1*a3^2, nep[1,3,2,1] = -a1^7-19/42*a4*a3-10/7*a5*a1^2-17/35*a5*a2-11/14*a1*a6-1/7*a7-2687/420*a3*
a2*a1^2-1651/840*a4*a1*a2-29/14*a4*a1^3-197/42*a2*a1^5-5057/840*a2^2*a1^3-901/560*a1*a2^3-71/21*a3*a1^4-151/140*a3*a2^2-10
/7*a1*a3^2, nep[1,4,1,1] = -a1^7-19/42*a4*a3-37/21*a5*a1^2-41/70*a5*a2-20/21*a1*a6-1/7*a7-3397/630*a3*a2*a1^2-997/420*a4*
a1*a2-18/7*a4*a1^3-197/42*a2*a1^5-7337/1260*a2^2*a1^3-1481/840*a1*a2^3-71/21*a3*a1^4-181/210*a3*a2^2-55/63*a1*a3^2, nep[2,
1,1,3] = -a1^7-19/21*a4*a3-37/35*a5*a1^2-27/35*a5*a2-4/7*a1*a6-2/7*a7-929/126*a3*a2*a1^2-1063/420*a4*a1*a2-251/140*a4*a1^3
-737/140*a2*a1^5-18673/2520*a2^2*a1^3-2059/840*a1*a2^3-247/70*a3*a1^4-703/420*a3*a2^2-103/63*a1*a3^2, nep[2,1,2,2] = -a1^7
-31/42*a4*a3-37/35*a5*a1^2-27/35*a5*a2-4/7*a1*a6-2/7*a7-377/63*a3*a2*a1^2-1133/420*a4*a1*a2-143/70*a4*a1^3-351/70*a2*a1^5-\
9109/1260*a2^2*a1^3-2339/840*a1*a2^3-106/35*a3*a1^4-167/105*a3*a2^2-68/63*a1*a3^2, nep[2,1,3,1] = -a1^7-15/14*a4*a3-37/35*
a5*a1^2-4/7*a5*a2-4/7*a1*a6-2/7*a7-443/70*a3*a2*a1^2-19/7*a4*a1*a2-321/140*a4*a1^3-667/140*a2*a1^5-4969/840*a2^2*a1^3-23/
14*a1*a2^3-247/70*a3*a1^4-31/28*a3*a2^2-32/21*a1*a3^2, nep[2,2,1,2] = -a1^7-4/7*a4*a3-44/35*a5*a1^2-34/35*a5*a2-4/7*a1*a6-\
2/7*a7-391/63*a3*a2*a1^2-88/35*a4*a1*a2-68/35*a4*a1^3-523/105*a2*a1^5-8843/1260*a2^2*a1^3-527/210*a1*a2^3-311/105*a3*a1^4-\
731/420*a3*a2^2-61/63*a1*a3^2, nep[2,2,2,1] = -a1^7-31/42*a4*a3-44/35*a5*a1^2-27/35*a5*a2-4/7*a1*a6-2/7*a7-1976/315*a3*a2*
a1^2-923/420*a4*a1*a2-68/35*a4*a1^3-488/105*a2*a1^5-376/63*a2^2*a1^3-523/280*a1*a2^3-346/105*a3*a1^4-211/140*a3*a2^2-82/63
*a1*a3^2, nep[2,3,1,1] = -a1^7-31/42*a4*a3-51/35*a5*a1^2-34/35*a5*a2-4/7*a1*a6-2/7*a7-3497/630*a3*a2*a1^2-1091/420*a4*a1*
a2-82/35*a4*a1^3-323/70*a2*a1^5-1831/315*a2^2*a1^3-129/70*a1*a2^3-113/35*a3*a1^4-81/70*a3*a2^2-68/63*a1*a3^2, nep[3,1,1,2]
= -a1^7-17/28*a4*a3-9/7*a5*a1^2-6/7*a5*a2-6/7*a1*a6-3/7*a7-523/84*a3*a2*a1^2-79/28*a4*a1*a2-55/28*a4*a1^3-419/84*a2*a1^5-\
1175/168*a2^2*a1^3-131/56*a1*a2^3-125/42*a3*a1^4-65/56*a3*a2^2-47/42*a1*a3^2, nep[3,1,2,1] = -a1^7-6/7*a4*a3-9/7*a5*a1^2-\
39/70*a5*a2-6/7*a1*a6-3/7*a7-2657/420*a3*a2*a1^2-657/280*a4*a1*a2-55/28*a4*a1^3-391/84*a2*a1^5-1243/210*a2^2*a1^3-911/560*
a1*a2^3-139/42*a3*a1^4-131/140*a3*a2^2-34/21*a1*a3^2, nep[3,2,1,1] = -a1^7-6/7*a4*a3-9/7*a5*a1^2-39/70*a5*a2-6/7*a1*a6-3/7
*a7-201/35*a3*a2*a1^2-381/140*a4*a1*a2-31/14*a4*a1^3-32/7*a2*a1^5-817/140*a2^2*a1^3-127/70*a1*a2^3-22/7*a3*a1^4-131/140*a3
*a2^2-9/7*a1*a3^2, nep[4,1,1,1] = -a1^7-10/21*a4*a3-12/7*a5*a1^2-26/35*a5*a2-8/7*a1*a6-4/7*a7-198/35*a3*a2*a1^2-241/105*a4
*a1*a2-16/7*a4*a1^3-193/42*a2*a1^5-607/105*a2^2*a1^3-701/420*a1*a2^3-67/21*a3*a1^4-227/210*a3*a2^2-22/21*a1*a3^2, nep[1,1,
1,1,3] = a1^7+15/28*a4*a3+101/105*a5*a1^2+17/35*a5*a2+19/42*a1*a6+1/7*a7+1741/252*a3*a2*a1^2+439/210*a4*a1*a2+241/140*a4*
a1^3+2201/420*a2*a1^5+18223/2520*a2^2*a1^3+1859/840*a1*a2^3+731/210*a3*a1^4+1081/840*a3*a2^2+173/126*a1*a3^2, nep[1,1,1,2,
2] = a1^7+19/42*a4*a3+101/105*a5*a1^2+17/35*a5*a2+19/42*a1*a6+1/7*a7+1405/252*a3*a2*a1^2+1931/840*a4*a1*a2+69/35*a4*a1^3+
524/105*a2*a1^5+17803/2520*a2^2*a1^3+4243/1680*a1*a2^3+313/105*a3*a1^4+122/105*a3*a2^2+55/63*a1*a3^2, nep[1,1,1,3,1] = a1^
7+13/21*a4*a3+101/105*a5*a1^2+27/70*a5*a2+19/42*a1*a6+1/7*a7+3691/630*a3*a2*a1^2+323/140*a4*a1*a2+311/140*a4*a1^3+1991/420
*a2*a1^5+2897/504*a2^2*a1^3+419/280*a1*a2^3+731/210*a3*a1^4+123/140*a3*a2^2+76/63*a1*a3^2, nep[1,1,2,1,2] = a1^7+31/84*a4*
a3+122/105*a5*a1^2+41/70*a5*a2+19/42*a1*a6+1/7*a7+1828/315*a3*a2*a1^2+583/280*a4*a1*a2+131/70*a4*a1^3+347/70*a2*a1^5+17243
/2520*a2^2*a1^3+3697/1680*a1*a2^3+102/35*a3*a1^4+1039/840*a3*a2^2+103/126*a1*a3^2, nep[1,1,2,2,1] = a1^7+19/42*a4*a3+122/
105*a5*a1^2+17/35*a5*a2+19/42*a1*a6+1/7*a7+821/140*a3*a2*a1^2+1511/840*a4*a1*a2+131/70*a4*a1^3+971/210*a2*a1^5+325/56*a2^2
*a1^3+901/560*a1*a2^3+341/105*a3*a1^4+151/140*a3*a2^2+23/21*a1*a3^2, nep[1,1,3,1,1] = a1^7+19/42*a4*a3+143/105*a5*a1^2+41/
70*a5*a2+19/42*a1*a6+1/7*a7+1604/315*a3*a2*a1^2+223/105*a4*a1*a2+159/70*a4*a1^3+482/105*a2*a1^5+1417/252*a2^2*a1^3+172/105
*a1*a2^3+334/105*a3*a1^4+181/210*a3*a2^2+55/63*a1*a3^2, nep[1,2,1,1,2] = a1^7+31/84*a4*a3+23/21*a5*a1^2+17/35*a5*a2+13/21*
a1*a6+1/7*a7+2407/420*a3*a2*a1^2+983/420*a4*a1*a2+51/28*a4*a1^3+415/84*a2*a1^5+5687/840*a2^2*a1^3+1859/840*a1*a2^3+121/42*
a3*a1^4+871/840*a3*a2^2+13/14*a1*a3^2, nep[1,2,1,2,1] = a1^7+19/42*a4*a3+23/21*a5*a1^2+27/70*a5*a2+13/21*a1*a6+1/7*a7+7333
/1260*a3*a2*a1^2+541/280*a4*a1*a2+51/28*a4*a1^3+129/28*a2*a1^5+1801/315*a2^2*a1^3+873/560*a1*a2^3+45/14*a3*a1^4+123/140*a3
*a2^2+83/63*a1*a3^2, nep[1,2,2,1,1] = a1^7+19/42*a4*a3+23/21*a5*a1^2+27/70*a5*a2+13/21*a1*a6+1/7*a7+3299/630*a3*a2*a1^2+
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323/140*a4*a1*a2+29/14*a4*a1^3+95/21*a2*a1^5+7099/1260*a2^2*a1^3+179/105*a1*a2^3+64/21*a3*a1^4+167/210*a3*a2^2+62/63*a1*a3
^2, nep[1,3,1,1,1] = a1^7+31/84*a4*a3+10/7*a5*a1^2+17/35*a5*a2+11/14*a1*a6+1/7*a7+2197/420*a3*a2*a1^2+202/105*a4*a1*a2+29/
14*a4*a1^3+95/21*a2*a1^5+584/105*a2^2*a1^3+158/105*a1*a2^3+64/21*a3*a1^4+731/840*a3*a2^2+13/14*a1*a3^2, nep[2,1,1,1,2] =
a1^7+4/7*a4*a3+37/35*a5*a1^2+27/35*a5*a2+4/7*a1*a6+2/7*a7+719/126*a3*a2*a1^2+331/140*a4*a1*a2+251/140*a4*a1^3+2071/420*a2*
a1^5+16993/2520*a2^2*a1^3+1919/840*a1*a2^3+601/210*a3*a1^4+563/420*a3*a2^2+61/63*a1*a3^2, nep[2,1,1,2,1] = a1^7+31/42*a4*
a3+37/35*a5*a1^2+4/7*a5*a2+4/7*a1*a6+2/7*a7+3637/630*a3*a2*a1^2+43/21*a4*a1*a2+251/140*a4*a1^3+1931/420*a2*a1^5+14347/2520
*a2^2*a1^3+23/14*a1*a2^3+671/210*a3*a1^4+31/28*a3*a2^2+82/63*a1*a3^2, nep[2,1,2,1,1] = a1^7+31/42*a4*a3+37/35*a5*a1^2+4/7*
a5*a2+4/7*a1*a6+2/7*a7+3287/630*a3*a2*a1^2+193/84*a4*a1*a2+143/70*a4*a1^3+158/35*a2*a1^5+7051/1260*a2^2*a1^3+145/84*a1*a2^
3+106/35*a3*a1^4+43/42*a3*a2^2+68/63*a1*a3^2, nep[2,2,1,1,1] = a1^7+4/7*a4*a3+44/35*a5*a1^2+27/35*a5*a2+4/7*a1*a6+2/7*a7+
1661/315*a3*a2*a1^2+74/35*a4*a1*a2+68/35*a4*a1^3+941/210*a2*a1^5+1399/252*a2^2*a1^3+1429/840*a1*a2^3+311/105*a3*a1^4+493/
420*a3*a2^2+61/63*a1*a3^2, nep[3,1,1,1,1] = a1^7+17/28*a4*a3+9/7*a5*a1^2+39/70*a5*a2+6/7*a1*a6+3/7*a7+2237/420*a3*a2*a1^2+
311/140*a4*a1*a2+55/28*a4*a1^3+377/84*a2*a1^5+4657/840*a2^2*a1^3+219/140*a1*a2^3+125/42*a3*a1^4+227/280*a3*a2^2+47/42*a1*
a3^2, nep[1,1,1,1,1,2] = -a1^7-31/84*a4*a3-101/105*a5*a1^2-17/35*a5*a2-19/42*a1*a6-1/7*a7-1349/252*a3*a2*a1^2-281/140*a4*
a1*a2-241/140*a4*a1^3-687/140*a2*a1^5-16613/2520*a2^2*a1^3-877/420*a1*a2^3-197/70*a3*a1^4-871/840*a3*a2^2-103/126*a1*a3^2,
nep[1,1,1,1,2,1] = -a1^7-19/42*a4*a3-101/105*a5*a1^2-27/70*a5*a2-19/42*a1*a6-1/7*a7-379/70*a3*a2*a1^2-181/105*a4*a1*a2-241
/140*a4*a1^3-1921/420*a2*a1^5-311/56*a2^2*a1^3-419/280*a1*a2^3-661/210*a3*a1^4-123/140*a3*a2^2-23/21*a1*a3^2, nep[1,1,1,2,
1,1] = -a1^7-19/42*a4*a3-101/105*a5*a1^2-27/70*a5*a2-19/42*a1*a6-1/7*a7-3061/630*a3*a2*a1^2-829/420*a4*a1*a2-69/35*a4*a1^3
-943/210*a2*a1^5-1375/252*a2^2*a1^3-1327/840*a1*a2^3-313/105*a3*a1^4-167/210*a3*a2^2-55/63*a1*a3^2, nep[1,1,2,1,1,1] = -a1
^7-31/84*a4*a3-122/105*a5*a1^2-17/35*a5*a2-19/42*a1*a6-1/7*a7-6199/1260*a3*a2*a1^2-123/70*a4*a1*a2-131/70*a4*a1^3-156/35*
a2*a1^5-1361/252*a2^2*a1^3-158/105*a1*a2^3-102/35*a3*a1^4-731/840*a3*a2^2-103/126*a1*a3^2, nep[1,2,1,1,1,1] = -a1^7-31/84*
a4*a3-23/21*a5*a1^2-27/70*a5*a2-13/21*a1*a6-1/7*a7-2071/420*a3*a2*a1^2-397/210*a4*a1*a2-51/28*a4*a1^3-373/84*a2*a1^5-4511/
840*a2^2*a1^3-419/280*a1*a2^3-121/42*a3*a1^4-211/280*a3*a2^2-13/14*a1*a3^2, nep[2,1,1,1,1,1] = -a1^7-4/7*a4*a3-37/35*a5*a1
^2-4/7*a5*a2-4/7*a1*a6-2/7*a7-1556/315*a3*a2*a1^2-55/28*a4*a1*a2-251/140*a4*a1^3-1861/420*a2*a1^5-13507/2520*a2^2*a1^3-131
/84*a1*a2^3-601/210*a3*a1^4-79/84*a3*a2^2-61/63*a1*a3^2, nep[1,1,1,1,1,1,1] = a1^7+31/84*a4*a3+101/105*a5*a1^2+27/70*a5*a2
+19/42*a1*a6+1/7*a7+2921/630*a3*a2*a1^2+471/280*a4*a1*a2+241/140*a4*a1^3+617/140*a2*a1^5+1319/252*a2^2*a1^3+803/560*a1*a2^
3+197/70*a3*a1^4+211/280*a3*a2^2+103/126*a1*a3^2
] : ##

senep8:= [
nep[8] = -6*a5*a1*a2-12*a4*a2*a1^2-12*a3*a1*a2^2-20*a3*a2*a1^3-a2^4-a1^8-a8-5*a4*a1^4-3*a3^2*a2-6*a3^2*a1^2-6*a3*a1^5-10*
a2^3*a1^2-15*a2^2*a1^4-7*a2*a1^6-6*a4*a1*a3-2*a1*a7-2*a6*a2-3*a6*a1^2-2*a5*a3-4*a5*a1^3-a4^2-3*a4*a2^2, nep[1,7] = 83/20*
a5*a1*a2+789/80*a4*a2*a1^2+6649/720*a3*a1*a2^2+2153/120*a3*a2*a1^3+93/128*a2^4+a1^8+1/8*a8+37/8*a4*a1^4+611/360*a3^2*a2+
583/120*a3^2*a1^2+23/4*a3*a1^5+12593/1440*a2^3*a1^2+2271/160*a2^2*a1^4+55/8*a2*a1^6+159/40*a4*a1*a3+5/4*a1*a7+5/6*a6*a2+19
/8*a6*a1^2+43/60*a5*a3+7/2*a5*a1^3+11/32*a4^2+169/96*a4*a2^2, nep[2,6] = 39/10*a5*a1*a2+181/20*a4*a2*a1^2+301/30*a3*a1*a2^
2+169/10*a3*a2*a1^3+a2^4+a1^8+1/4*a8+17/4*a4*a1^4+161/60*a3^2*a2+22/5*a3^2*a1^2+11/2*a3*a1^5+527/60*a2^3*a1^2+549/40*a2^2*
a1^4+27/4*a2*a1^6+18/5*a4*a1*a3+1/2*a1*a7+3/2*a6*a2+7/4*a6*a1^2+13/10*a5*a3+3*a5*a1^3+5/8*a4^2+11/4*a4*a2^2, nep[3,5] = 17
/4*a5*a1*a2+141/16*a4*a2*a1^2+467/48*a3*a1*a2^2+131/8*a3*a2*a1^3+73/128*a2^4+a1^8+3/8*a8+31/8*a4*a1^4+55/24*a3^2*a2+37/8*
a3^2*a1^2+21/4*a3*a1^5+811/96*a2^3*a1^2+427/32*a2^2*a1^4+53/8*a2*a1^6+39/8*a4*a1*a3+3/4*a1*a7+3/4*a6*a2+9/8*a6*a1^2+7/4*a5
*a3+5/2*a5*a1^3+27/32*a4^2+51/32*a4*a2^2, nep[4,4] = 3*a5*a1*a2+9*a4*a2*a1^2+8*a3*a1*a2^2+16*a3*a2*a1^3+a2^4+a1^8+1/2*a8+7
/2*a4*a1^4+3/2*a3^2*a2+5*a3^2*a1^2+5*a3*a1^5+8*a2^3*a1^2+13*a2^2*a1^4+13/2*a2*a1^6+5*a4*a1*a3+a1*a7+a6*a2+3/2*a6*a1^2+a5*
a3+2*a5*a1^3+a4^2+5/2*a4*a2^2, nep[5,3] = 15/4*a5*a1*a2+115/16*a4*a2*a1^2+445/48*a3*a1*a2^2+125/8*a3*a2*a1^3+55/128*a2^4+
a1^8+5/8*a8+25/8*a4*a1^4+65/24*a3^2*a2+35/8*a3^2*a1^2+19/4*a3*a1^5+725/96*a2^3*a1^2+405/32*a2^2*a1^4+51/8*a2*a1^6+25/8*a4*
a1*a3+5/4*a1*a7+5/4*a6*a2+15/8*a6*a1^2+5/4*a5*a3+5/2*a5*a1^3+5/32*a4^2+45/32*a4*a2^2, nep[6,2] = 41/10*a5*a1*a2+159/20*a4*
a2*a1^2+239/30*a3*a1*a2^2+131/10*a3*a2*a1^3+a2^4+a1^8+3/4*a8+15/4*a4*a1^4+79/60*a3^2*a2+13/5*a3^2*a1^2+9/2*a3*a1^5+493/60*
a2^3*a1^2+491/40*a2^2*a1^4+25/4*a2*a1^6+12/5*a4*a1*a3+3/2*a1*a7+3/2*a6*a2+9/4*a6*a1^2+7/10*a5*a3+3*a5*a1^3+3/8*a4^2+9/4*a4
*a2^2, nep[7,1] = 77/20*a5*a1*a2+651/80*a4*a2*a1^2+4151/720*a3*a1*a2^2+1687/120*a3*a2*a1^3+35/128*a2^4+a1^8+7/8*a8+35/8*a4
*a1^4+469/360*a3^2*a2+497/120*a3^2*a1^2+21/4*a3*a1^5+7567/1440*a2^3*a1^2+1729/160*a2^2*a1^4+49/8*a2*a1^6+161/40*a4*a1*a3+7
/4*a1*a7+7/6*a6*a2+21/8*a6*a1^2+77/60*a5*a3+7/2*a5*a1^3+21/32*a4^2+119/96*a4*a2^2, nep[1,1,6] = -85/28*a5*a1*a2-915/112*a4
*a2*a1^2-40891/5040*a3*a1*a2^2-13543/840*a3*a2*a1^3-93/128*a2^4-a1^8-1/8*a8-235/56*a4*a1^4-611/360*a3^2*a2-1107/280*a3^2*
a1^2-153/28*a3*a1^5-16111/2016*a2^3*a1^2-9031/672*a2^2*a1^4-377/56*a2*a1^6-773/280*a4*a1*a3-11/28*a1*a7-5/6*a6*a2-93/56*a6
*a1^2-43/60*a5*a3-41/14*a5*a1^3-11/32*a4^2-169/96*a4*a2^2, nep[1,2,5] = -1423/420*a5*a1*a2-13009/1680*a4*a2*a1^2-42113/
5040*a3*a1*a2^2-38593/2520*a3*a2*a1^3-73/128*a2^4-a1^8-1/8*a8-211/56*a4*a1^4-511/360*a3^2*a2-9643/2520*a3^2*a1^2-145/28*a3
*a1^5-79861/10080*a2^3*a1^2-130993/10080*a2^2*a1^4-369/56*a2*a1^6-2839/840*a4*a1*a3-15/28*a1*a7-5/12*a6*a2-53/56*a6*a1^2-\
43/60*a5*a3-33/14*a5*a1^3-11/32*a4^2-119/96*a4*a2^2, nep[1,3,4] = -309/140*a5*a1*a2-4387/560*a4*a2*a1^2-3863/560*a3*a1*a2^
2-12559/840*a3*a2*a1^3-93/128*a2^4-a1^8-1/8*a8-187/56*a4*a1^4-51/40*a3^2*a2-3649/840*a3^2*a1^2-137/28*a3*a1^5-8311/1120*a2
^3*a1^2-42379/3360*a2^2*a1^4-361/56*a2*a1^6-1017/280*a4*a1*a3-19/28*a1*a7-1/2*a6*a2-69/56*a6*a1^2-9/20*a5*a3-25/14*a5*a1^3
-11/32*a4^2-51/32*a4*a2^2, nep[1,4,3] = -377/140*a5*a1*a2-3481/560*a4*a2*a1^2-38341/5040*a3*a1*a2^2-12277/840*a3*a2*a1^3-\
55/128*a2^4-a1^8-1/8*a8-163/56*a4*a1^4-587/360*a3^2*a2-1089/280*a3^2*a1^2-129/28*a3*a1^5-69317/10080*a2^3*a1^2-41117/3360*
a2^2*a1^4-353/56*a2*a1^6-691/280*a4*a1*a3-23/28*a1*a7-7/12*a6*a2-85/56*a6*a1^2-31/60*a5*a3-31/14*a5*a1^3-5/32*a4^2-103/96*
a4*a2^2, nep[1,5,2] = -1307/420*a5*a1*a2-11561/1680*a4*a2*a1^2-33137/5040*a3*a1*a2^2-30497/2520*a3*a2*a1^3-93/128*a2^4-a1^
8-1/8*a8-195/56*a4*a1^4-319/360*a3^2*a2-5687/2520*a3^2*a1^2-121/28*a3*a1^5-75469/10080*a2^3*a1^2-119117/10080*a2^2*a1^4-\
345/56*a2*a1^6-1571/840*a4*a1*a3-27/28*a1*a7-2/3*a6*a2-101/56*a6*a1^2-9/20*a5*a3-37/14*a5*a1^3-7/32*a4^2-131/96*a4*a2^2,
nep[1,6,1] = -401/140*a5*a1*a2-3853/560*a4*a2*a1^2-24797/5040*a3*a1*a2^2-10733/840*a3*a2*a1^3-35/128*a2^4-a1^8-1/8*a8-227/
56*a4*a1^4-71/72*a3^2*a2-193/56*a3^2*a1^2-141/28*a3*a1^5-48301/10080*a2^3*a1^2-34561/3360*a2^2*a1^4-337/56*a2*a1^6-159/56*
a4*a1*a3-31/28*a1*a7-2/3*a6*a2-117/56*a6*a1^2-7/12*a5*a3-43/14*a5*a1^3-9/32*a4^2-95/96*a4*a2^2, nep[2,1,5] = -97/30*a5*a1*
a2-901/120*a4*a2*a1^2-1541/180*a3*a1*a2^2-2717/180*a3*a2*a1^3-11/16*a2^4-a1^8-1/4*a8-15/4*a4*a1^4-383/180*a3^2*a2-173/45*
a3^2*a1^2-31/6*a3*a1^5-5609/720*a2^3*a1^2-1159/90*a2^2*a1^4-79/12*a2*a1^6-18/5*a4*a1*a3-1/2*a1*a7-2/3*a6*a2-11/12*a6*a1^2-\
13/10*a5*a3-7/3*a5*a1^3-5/8*a4^2-41/24*a4*a2^2, nep[2,2,4] = -23/10*a5*a1*a2-451/60*a4*a2*a1^2-701/90*a3*a1*a2^2-1297/90*
a3*a2*a1^3-a2^4-a1^8-1/4*a8-13/4*a4*a1^4-331/180*a3^2*a2-176/45*a3^2*a1^2-29/6*a3*a1^5-1387/180*a2^3*a1^2-4477/360*a2^2*a1
^4-77/12*a2*a1^6-16/5*a4*a1*a3-1/2*a1*a7-5/6*a6*a2-13/12*a6*a1^2-23/30*a5*a3-5/3*a5*a1^3-5/8*a4^2-29/12*a4*a2^2, nep[2,3,3
] = -27/10*a5*a1*a2-59/10*a4*a2*a1^2-339/40*a3*a1*a2^2-71/5*a3*a2*a1^3-1/2*a2^4-a1^8-1/4*a8-11/4*a4*a1^4-51/20*a3^2*a2-37/
10*a3^2*a1^2-9/2*a3*a1^5-563/80*a2^3*a1^2-241/20*a2^2*a1^4-25/4*a2*a1^6-23/10*a4*a1*a3-1/2*a1*a7-a6*a2-5/4*a6*a1^2-9/10*a5
*a3-2*a5*a1^3-1/4*a4^2-25/16*a4*a2^2, nep[2,4,2] = -89/30*a5*a1*a2-401/60*a4*a2*a1^2-69/10*a3*a1*a2^2-1067/90*a3*a2*a1^3-
a2^4-a1^8-1/4*a8-13/4*a4*a1^4-77/60*a3^2*a2-106/45*a3^2*a1^2-25/6*a3*a1^5-449/60*a2^3*a1^2-4187/360*a2^2*a1^4-73/12*a2*a1^
6-11/5*a4*a1*a3-1/2*a1*a7-7/6*a6*a2-17/12*a6*a1^2-23/30*a5*a3-7/3*a5*a1^3-3/8*a4^2-25/12*a4*a2^2, nep[2,5,1] = -31/10*a5*
a1*a2-809/120*a4*a2*a1^2-2053/360*a3*a1*a2^2-2233/180*a3*a2*a1^3-5/16*a2^4-a1^8-1/4*a8-15/4*a4*a1^4-257/180*a3^2*a2-299/90
*a3^2*a1^2-29/6*a3*a1^5-1813/360*a2^3*a1^2-3629/360*a2^2*a1^4-71/12*a2*a1^6-29/10*a4*a1*a3-1/2*a1*a7-7/6*a6*a2-19/12*a6*a1
^2-31/30*a5*a3-8/3*a5*a1^3-1/2*a4^2-67/48*a4*a2^2, nep[3,1,4] = -53/20*a5*a1*a2-609/80*a4*a2*a1^2-1751/240*a3*a1*a2^2-1733
/120*a3*a2*a1^3-73/128*a2^4-a1^8-3/8*a8-131/40*a4*a1^4-163/120*a3^2*a2-169/40*a3^2*a1^2-97/20*a3*a1^5-3511/480*a2^3*a1^2-\
5941/480*a2^2*a1^4-257/40*a2*a1^6-171/40*a4*a1*a3-3/4*a1*a7-3/4*a6*a2-9/8*a6*a1^2-19/20*a5*a3-17/10*a5*a1^3-27/32*a4^2-51/
32*a4*a2^2, nep[3,2,3] = -61/20*a5*a1*a2-483/80*a4*a2*a1^2-2017/240*a3*a1*a2^2-557/40*a3*a2*a1^3-55/128*a2^4-a1^8-3/8*a8-\
107/40*a4*a1^4-251/120*a3^2*a2-143/40*a3^2*a1^2-89/20*a3*a1^5-3437/480*a2^3*a1^2-1909/160*a2^2*a1^4-249/40*a2*a1^6-117/40*
a4*a1*a3-3/4*a1*a7-3/4*a6*a2-9/8*a6*a1^2-23/20*a5*a3-19/10*a5*a1^3-9/32*a4^2-33/32*a4*a2^2, nep[3,3,2] = -13/4*a5*a1*a2-\
105/16*a4*a2*a1^2-1709/240*a3*a1*a2^2-95/8*a3*a2*a1^3-73/128*a2^4-a1^8-3/8*a8-123/40*a4*a1^4-163/120*a3^2*a2-109/40*a3^2*
a1^2-81/20*a3*a1^5-701/96*a2^3*a1^2-1843/160*a2^2*a1^4-241/40*a2*a1^6-111/40*a4*a1*a3-3/4*a1*a7-3/4*a6*a2-9/8*a6*a1^2-19/
20*a5*a3-21/10*a5*a1^3-15/32*a4^2-45/32*a4*a2^2, nep[3,4,1] = -13/4*a5*a1*a2-111/16*a4*a2*a1^2-1277/240*a3*a1*a2^2-299/24*
a3*a2*a1^3-35/128*a2^4-a1^8-3/8*a8-139/40*a4*a1^4-139/120*a3^2*a2-147/40*a3^2*a1^2-93/20*a3*a1^5-473/96*a2^3*a1^2-4787/480
*a2^2*a1^4-233/40*a2*a1^6-153/40*a4*a1*a3-3/4*a1*a7-1/2*a6*a2-9/8*a6*a1^2-27/20*a5*a3-23/10*a5*a1^3-21/32*a4^2-29/32*a4*a2
^2, nep[4,1,3] = -3*a5*a1*a2-13/2*a4*a2*a1^2-27/4*a3*a1*a2^2-14*a3*a2*a1^3-5/8*a2^4-a1^8-1/2*a8-11/4*a4*a1^4-3/2*a3^2*a2-4
*a3^2*a1^2-9/2*a3*a1^5-53/8*a2^3*a1^2-95/8*a2^2*a1^4-25/4*a2*a1^6-3*a4*a1*a3-a1*a7-a6*a2-3/2*a6*a1^2-a5*a3-2*a5*a1^3-1/4*
a4^2-11/8*a4*a2^2, nep[4,2,2] = -41/15*a5*a1*a2-34/5*a4*a2*a1^2-284/45*a3*a1*a2^2-176/15*a3*a2*a1^3-a2^4-a1^8-1/2*a8-3*a4*
a1^4-79/90*a3^2*a2-41/15*a3^2*a1^2-4*a3*a1^5-329/45*a2^3*a1^2-343/30*a2^2*a1^4-6*a2*a1^6-13/5*a4*a1*a3-a1*a7-a6*a2-3/2*a6*
a1^2-7/15*a5*a3-2*a5*a1^3-1/2*a4^2-2*a4*a2^2, nep[4,3,1] = -11/5*a5*a1*a2-69/10*a4*a2*a1^2-923/180*a3*a1*a2^2-188/15*a3*a2
*a1^3-3/8*a2^4-a1^8-1/2*a8-13/4*a4*a1^4-97/90*a3^2*a2-58/15*a3^2*a1^2-9/2*a3*a1^5-1741/360*a2^3*a1^2-397/40*a2^2*a1^4-23/4
*a2*a1^6-19/5*a4*a1*a3-a1*a7-2/3*a6*a2-3/2*a6*a1^2-11/15*a5*a3-2*a5*a1^3-3/4*a4^2-35/24*a4*a2^2, nep[5,1,2] = -41/12*a5*a1
*a2-313/48*a4*a2*a1^2-317/48*a3*a1*a2^2-287/24*a3*a2*a1^3-55/128*a2^4-a1^8-5/8*a8-25/8*a4*a1^4-11/8*a3^2*a2-19/8*a3^2*a1^2
-49/12*a3*a1^5-629/96*a2^3*a1^2-1087/96*a2^2*a1^4-145/24*a2*a1^6-43/24*a4*a1*a3-5/4*a1*a7-5/4*a6*a2-15/8*a6*a1^2-7/12*a5*
a3-5/2*a5*a1^3-5/32*a4^2-45/32*a4*a2^2, nep[5,2,1] = -11/4*a5*a1*a2-269/48*a4*a2*a1^2-893/144*a3*a1*a2^2-97/8*a3*a2*a1^3-\
35/128*a2^4-a1^8-5/8*a8-25/8*a4*a1^4-127/72*a3^2*a2-27/8*a3^2*a1^2-53/12*a3*a1^5-1501/288*a2^3*a1^2-317/32*a2^2*a1^4-137/
24*a2*a1^6-59/24*a4*a1*a3-5/4*a1*a7-5/6*a6*a2-15/8*a6*a1^2-11/12*a5*a3-5/2*a5*a1^3-5/32*a4^2-85/96*a4*a2^2, nep[6,1,1] = -\
31/10*a5*a1*a2-129/20*a4*a2*a1^2-149/30*a3*a1*a2^2-111/10*a3*a2*a1^3-1/2*a2^4-a1^8-3/4*a8-15/4*a4*a1^4-49/60*a3^2*a2-13/5*
a3^2*a1^2-9/2*a3*a1^5-313/60*a2^3*a1^2-391/40*a2^2*a1^4-23/4*a2*a1^6-12/5*a4*a1*a3-3/2*a1*a7-a6*a2-9/4*a6*a1^2-7/10*a5*a3-\
3*a5*a1^3-3/8*a4^2-5/4*a4*a2^2, nep[1,1,1,5] = 227/84*a5*a1*a2+2311/336*a4*a2*a1^2+37181/5040*a3*a1*a2^2+36499/2520*a3*a2*
a1^3+73/128*a2^4+a1^8+1/8*a8+207/56*a4*a1^4+511/360*a3^2*a2+8563/2520*a3^2*a1^2+431/84*a3*a1^5+14795/2016*a2^3*a1^2+25553/
2016*a2^2*a1^4+1103/168*a2*a1^6+773/280*a4*a1*a3+11/28*a1*a7+5/12*a6*a2+139/168*a6*a1^2+43/60*a5*a3+95/42*a5*a1^3+11/32*a4
^2+119/96*a4*a2^2, nep[1,1,2,4] = 257/140*a5*a1*a2+11653/1680*a4*a2*a1^2+10961/1680*a3*a1*a2^2+35029/2520*a3*a2*a1^3+93/
128*a2^4+a1^8+1/8*a8+179/56*a4*a1^4+51/40*a3^2*a2+9067/2520*a3^2*a1^2+403/84*a3*a1^5+24089/3360*a2^3*a1^2+123481/10080*a2^
2*a1^4+1075/168*a2*a1^6+717/280*a4*a1*a3+11/28*a1*a7+1/2*a6*a2+167/168*a6*a1^2+9/20*a5*a3+67/42*a5*a1^3+11/32*a4^2+51/32*
a4*a2^2, nep[1,1,3,3] = 299/140*a5*a1*a2+3007/560*a4*a2*a1^2+7103/1008*a3*a1*a2^2+11513/840*a3*a2*a1^3+55/128*a2^4+a1^8+1/
8*a8+151/56*a4*a1^4+587/360*a3^2*a2+2887/840*a3^2*a1^2+125/28*a3*a2*a1^3+65519/10080*a2^3*a1^2+13283/1120*a2^2*a1^4+349/56*a2
*a1^6+521/280*a4*a1*a3+11/28*a1*a7+7/12*a6*a2+65/56*a6*a1^2+31/60*a5*a3+27/14*a5*a1^3+5/32*a4^2+103/96*a4*a2^2, nep[1,1,4,
2] = 199/84*a5*a1*a2+2045/336*a4*a2*a1^2+29369/5040*a3*a1*a2^2+28561/2520*a3*a2*a1^3+93/128*a2^4+a1^8+1/8*a8+179/56*a4*a1^
4+319/360*a3^2*a2+5287/2520*a3^2*a1^2+347/84*a3*a1^5+14081/2016*a2^3*a1^2+23033/2016*a2^2*a1^4+1019/168*a2*a1^6+1451/840*
a4*a1*a3+11/28*a1*a7+2/3*a6*a2+223/168*a6*a1^2+9/20*a5*a3+95/42*a5*a1^3+7/32*a4^2+131/96*a4*a2^2, nep[1,1,5,1] = 341/140*
a5*a1*a2+10169/1680*a4*a2*a1^2+24077/5040*a3*a1*a2^2+3301/280*a3*a2*a1^3+35/128*a2^4+a1^8+1/8*a8+207/56*a4*a1^4+71/72*a3^2
*a2+499/168*a3^2*a1^2+403/84*a3*a1^5+46591/10080*a2^3*a1^2+33101/3360*a2^2*a1^4+991/168*a2*a1^6+377/168*a4*a1*a3+11/28*a1*
a7+2/3*a6*a2+251/168*a6*a1^2+7/12*a5*a3+109/42*a5*a1^3+9/32*a4^2+95/96*a4*a2^2, nep[1,2,1,4] = 863/420*a5*a1*a2+11329/1680
*a4*a2*a1^2+11107/1680*a3*a1*a2^2+34393/2520*a3*a2*a1^3+73/128*a2^4+a1^8+1/8*a8+887/280*a4*a1^4+133/120*a3^2*a2+9307/2520*

a3^2*a1^2+669/140*a3*a1^5+23447/3360*a2^3*a1^2+121921/10080*a2^2*a1^4+1789/280*a2*a1^6+2671/840*a4*a1*a3+15/28*a1*a7+5/12*
a6*a2+53/56*a6*a1^2+9/20*a5*a3+109/70*a5*a1^3+11/32*a4^2+119/96*a4*a2^2, nep[1,2,2,3] = 1003/420*a5*a1*a2+9019/1680*a4*a2*
a1^2+36989/5040*a3*a1*a2^2+33343/2520*a3*a2*a1^3+55/128*a2^4+a1^8+1/8*a8+719/280*a4*a1^4+487/360*a3^2*a2+7921/2520*a3^2*a1
^2+613/140*a3*a1^5+68101/10080*a2^3*a1^2+117679/10080*a2^2*a1^4+1733/280*a2*a1^6+1873/840*a4*a1*a3+15/28*a1*a7+5/12*a6*a2+
53/56*a6*a1^2+31/60*a5*a3+123/70*a5*a1^3+5/32*a4^2+83/96*a4*a2^2, nep[1,2,3,2] = 223/84*a5*a1*a2+1969/336*a4*a2*a1^2+31319
/5040*a3*a1*a2^2+5641/504*a3*a2*a1^3+73/128*a2^4+a1^8+1/8*a8+831/280*a4*a1^4+319/360*a3^2*a2+5807/2520*a3^2*a1^2+557/140*
a3*a1^5+13931/2016*a2^3*a1^2+113549/10080*a2^2*a1^4+1677/280*a2*a1^6+1691/840*a4*a1*a3+15/28*a1*a7+5/12*a6*a2+53/56*a6*a1^
2+9/20*a5*a3+137/70*a5*a1^3+7/32*a4^2+101/96*a4*a2^2, nep[1,2,4,1] = 223/84*a5*a1*a2+689/112*a4*a2*a1^2+537/112*a3*a1*a2^2
+3263/280*a3*a2*a1^3+35/128*a2^4+a1^8+1/8*a8+943/280*a4*a1^4+7/8*a3^2*a2+515/168*a3^2*a1^2+641/140*a3*a1^5+3155/672*a2^3*
a1^2+32609/3360*a2^2*a1^4+1621/280*a2*a1^6+151/56*a4*a1*a3+15/28*a1*a7+1/3*a6*a2+53/56*a6*a1^2+7/12*a5*a3+151/70*a5*a1^3+9
/32*a4^2+79/96*a4*a2^2, nep[1,3,1,3] = 309/140*a5*a1*a2+3197/560*a4*a2*a1^2+3373/560*a3*a1*a2^2+11089/840*a3*a2*a1^3+63/
128*a2^4+a1^8+1/8*a8+145/56*a4*a1^4+51/40*a3^2*a2+3019/840*a3^2*a1^2+123/28*a3*a1^5+6981/1120*a2^3*a1^2+38809/3360*a2^2*a1
^4+347/56*a2*a1^6+667/280*a4*a1*a3+19/28*a1*a7+1/2*a6*a2+69/56*a6*a1^2+9/20*a5*a3+25/14*a5*a1^3+5/32*a4^2+33/32*a4*a2^2,
nep[1,3,2,2] = 899/420*a5*a1*a2+3379/560*a4*a2*a1^2+27809/5040*a3*a1*a2^2+9283/840*a3*a2*a1^3+93/128*a2^4+a1^8+1/8*a8+159/
56*a4*a1^4+283/360*a3^2*a2+2053/840*a3^2*a1^2+109/28*a3*a1^5+69073/10080*a2^3*a1^2+37423/3360*a2^2*a1^4+333/56*a2*a1^6+569
/280*a4*a1*a3+19/28*a1*a7+1/2*a6*a2+69/56*a6*a1^2+19/60*a5*a3+25/14*a5*a1^3+7/32*a4^2+41/32*a4*a2^2, nep[1,3,3,1] = 239/
140*a5*a1*a2+3407/560*a4*a2*a1^2+22769/5040*a3*a1*a2^2+659/56*a3*a2*a1^3+39/128*a2^4+a1^8+1/8*a8+173/56*a4*a1^4+331/360*a3
^2*a2+2851/840*a3^2*a1^2+123/28*a3*a1^5+45469/10080*a2^3*a1^2+32369/3360*a2^2*a1^4+319/56*a2*a1^6+793/280*a4*a1*a3+19/28*
a1*a7+5/12*a6*a2+69/56*a6*a1^2+23/60*a5*a3+25/14*a5*a1^3+9/32*a4^2+101/96*a4*a2^2, nep[1,4,1,2] = 1103/420*a5*a1*a2+9659/
1680*a4*a2*a1^2+28373/5040*a3*a1*a2^2+9421/840*a3*a2*a1^3+55/128*a2^4+a1^8+1/8*a8+163/56*a4*a1^4+331/360*a3^2*a2+1811/840*
a3^2*a1^2+331/84*a3*a1^5+61141/10080*a2^3*a1^2+12287/1120*a2^2*a1^4+1003/168*a2*a1^6+1289/840*a4*a1*a3+23/28*a1*a7+7/12*a6
*a2+85/56*a6*a1^2+23/60*a5*a3+31/14*a5*a1^3+5/32*a4^2+103/96*a4*a2^2, nep[1,4,2,1] = 293/140*a5*a1*a2+8287/1680*a4*a2*a1^2
+1745/336*a3*a1*a2^2+3187/280*a3*a2*a1^3+35/128*a2^4+a1^8+1/8*a8+163/56*a4*a1^4+133/120*a3^2*a2+2539/840*a3^2*a1^2+359/84*
a3*a1^5+5367/1120*a2^3*a1^2+32213/3360*a2^2*a1^4+947/168*a2*a1^6+1681/840*a4*a1*a3+23/28*a1*a7+1/2*a6*a2+85/56*a6*a1^2+9/
20*a5*a3+31/14*a5*a1^3+5/32*a4^2+23/32*a4*a2^2, nep[1,5,1,1] = 1027/420*a5*a1*a2+9461/1680*a4*a2*a1^2+21727/5040*a3*a1*a2^
2+25877/2520*a3*a2*a1^3+49/128*a2^4+a1^8+1/8*a8+195/56*a4*a1^4+239/360*a3^2*a2+5687/2520*a3^2*a1^2+121/28*a3*a1^5+48659/
10080*a2^3*a1^2+94757/10080*a2^2*a1^4+317/56*a2*a1^6+1571/840*a4*a1*a3+27/28*a1*a7+7/12*a6*a2+101/56*a6*a1^2+9/20*a5*a3+37
/14*a5*a1^3+7/32*a4^2+85/96*a4*a2^2, nep[2,1,1,4] = 13/6*a5*a1*a2+161/24*a4*a2*a1^2+1249/180*a3*a1*a2^2+2429/180*a3*a2*a1^
3+11/16*a2^4+a1^8+1/4*a8+63/20*a4*a1^4+271/180*a3^2*a2+161/45*a3^2*a1^2+143/30*a3*a1^5+1013/144*a2^3*a1^2+542/45*a2^2*a1^4
+383/60*a2*a1^6+16/5*a4*a1*a3+1/2*a1*a7+2/3*a6*a2+11/12*a6*a1^2+23/30*a5*a3+23/15*a5*a1^3+5/8*a4^2+41/24*a4*a2^2, nep[2,1,
2,3] = 73/30*a5*a1*a2+317/60*a4*a2*a1^2+2719/360*a3*a1*a2^2+1183/90*a3*a2*a1^3+1/2*a2^4+a1^8+1/4*a8+51/20*a4*a1^4+359/180*
a3^2*a2+283/90*a3^2*a1^2+131/30*a3*a1^5+4811/720*a2^3*a1^2+2093/180*a2^2*a1^4+371/60*a2*a1^6+23/10*a4*a1*a3+1/2*a1*a7+2/3*
a6*a2+11/12*a6*a1^2+9/10*a5*a3+26/15*a5*a1^3+1/4*a4^2+55/48*a4*a2^2, nep[2,1,3,2] = 77/30*a5*a1*a2+691/120*a4*a2*a1^2+127/
20*a3*a1*a2^2+1999/180*a3*a2*a1^3+11/16*a2^4+a1^8+1/4*a8+59/20*a4*a1^4+77/60*a3^2*a2+106/45*a3^2*a1^2+119/30*a3*a1^5+1643/
240*a2^3*a1^2+2017/180*a2^2*a1^4+359/60*a2*a1^6+11/5*a4*a1*a3+1/2*a1*a7+2/3*a6*a2+11/12*a6*a1^2+23/30*a5*a3+29/15*a5*a1^3+
3/8*a4^2+35/24*a4*a2^2, nep[2,1,4,1] = 77/30*a5*a1*a2+721/120*a4*a2*a1^2+1829/360*a3*a1*a2^2+691/60*a3*a2*a1^3+5/16*a2^4+
a1^8+1/4*a8+67/20*a4*a1^4+217/180*a3^2*a2+31/10*a3^2*a1^2+137/30*a3*a1^5+1697/360*a2^3*a1^2+77/8*a2^2*a1^4+347/60*a2*a1^6+
29/10*a4*a1*a3+1/2*a1*a7+1/2*a6*a2+11/12*a6*a1^2+31/30*a5*a3+32/15*a5*a1^3+1/2*a4^2+17/16*a4*a2^2, nep[2,2,1,3] = 23/10*a5
*a1*a2+331/60*a4*a2*a1^2+2489/360*a3*a1*a2^2+581/45*a3*a2*a1^3+5/8*a2^4+a1^8+1/4*a8+5/2*a4*a1^4+331/180*a3^2*a2+307/90*a3^
2*a1^2+13/3*a3*a1^5+4693/720*a2^3*a1^2+4117/360*a2^2*a1^4+37/6*a2*a1^6+11/5*a4*a1*a3+1/2*a1*a7+5/6*a6*a2+13/12*a6*a1^2+23/
30*a5*a3+5/3*a5*a1^3+1/4*a4^2+71/48*a4*a2^2, nep[2,2,2,2] = 13/6*a5*a1*a2+71/12*a4*a2*a1^2+6*a3*a1*a2^2+65/6*a3*a2*a1^3+a2
^4+a1^8+1/4*a8+11/4*a4*a1^4+13/12*a3^2*a2+7/3*a3^2*a1^2+23/6*a3*a1^5+7*a2^3*a1^2+265/24*a2^2*a1^4+71/12*a2*a1^6+2*a4*a1*a3
+1/2*a1*a7+5/6*a6*a2+13/12*a6*a1^2+1/2*a5*a3+5/3*a5*a1^3+3/8*a4^2+23/12*a4*a2^2, nep[2,2,3,1] = 19/10*a5*a1*a2+179/30*a4*
a2*a1^2+1897/360*a3*a1*a2^2+1031/90*a3*a2*a1^3+3/8*a2^4+a1^8+1/4*a8+3*a4*a1^4+233/180*a3^2*a2+281/90*a3^2*a1^2+13/3*a3*a1^
5+3449/720*a2^3*a1^2+3431/360*a2^2*a1^4+17/3*a2*a1^6+13/5*a4*a1*a3+1/2*a1*a7+2/3*a6*a2+13/12*a6*a1^2+19/30*a5*a3+5/3*a5*a1
^3+1/2*a4^2+73/48*a4*a2^2, nep[2,3,1,2] = 77/30*a5*a1*a2+169/30*a4*a2*a1^2+749/120*a3*a1*a2^2+166/15*a3*a2*a1^3+1/2*a2^4+
a1^8+1/4*a8+11/4*a4*a1^4+27/20*a3^2*a2+67/30*a3^2*a1^2+23/6*a3*a1^5+1493/240*a2^3*a1^2+217/20*a2^2*a1^4+71/12*a2*a1^6+53/
30*a4*a1*a3+1/2*a1*a7+a6*a2+5/4*a6*a1^2+19/30*a5*a3+2*a5*a1^3+1/4*a4^2+25/16*a4*a2^2, nep[2,3,2,1] = 23/10*a5*a1*a2+587/
120*a4*a2*a1^2+2069/360*a3*a1*a2^2+673/60*a3*a2*a1^3+5/16*a2^4+a1^8+1/4*a8+11/4*a4*a1^4+301/180*a3^2*a2+89/30*a3^2*a1^2+25
/6*a3*a1^5+1769/360*a2^3*a1^2+1139/120*a2^2*a1^4+67/12*a2*a1^6+61/30*a4*a1*a3+1/2*a1*a7+5/6*a6*a2+5/4*a6*a1^2+23/30*a5*a3+
2*a5*a1^3+1/4*a4^2+47/48*a4*a2^2, nep[2,4,1,1] = 79/30*a5*a1*a2+341/60*a4*a2*a1^2+421/90*a3*a1*a2^2+917/90*a3*a2*a1^3+1/2*
a2^4+a1^8+1/4*a8+13/4*a4*a1^4+161/180*a3^2*a2+106/45*a3^2*a1^2+25/6*a3*a1^5+887/180*a2^3*a1^2+3347/360*a2^2*a1^4+67/12*a2*
a1^6+11/5*a4*a1*a3+1/2*a1*a7+a6*a2+17/12*a6*a1^2+23/30*a5*a3+7/3*a5*a1^3+3/8*a4^2+5/4*a4*a2^2, nep[3,1,1,3] = 53/20*a5*a1*
a2+459/80*a4*a2*a1^2+1571/240*a3*a1*a2^2+1553/120*a3*a2*a1^3+55/128*a2^4+a1^8+3/8*a8+101/40*a4*a1^4+163/120*a3^2*a2+139/40
*a3^2*a1^2+87/20*a3*a1^5+3061/480*a2^3*a1^2+5491/480*a2^2*a1^4+247/40*a2*a1^6+111/40*a4*a1*a3+3/4*a1*a7+3/4*a6*a2+9/8*a6*
a1^2+19/20*a5*a3+17/10*a5*a1^3+9/32*a4^2+33/32*a4*a2^2, nep[3,1,2,2] = 49/20*a5*a1*a2+477/80*a4*a2*a1^2+1417/240*a3*a1*a2^
2+1309/120*a3*a2*a1^3+73/128*a2^4+a1^8+3/8*a8+111/40*a4*a1^4+107/120*a3^2*a2+101/40*a3^2*a1^2+77/20*a3*a1^5+3233/480*a2^3*
a1^2+5297/480*a2^2*a1^4+237/40*a2*a1^6+99/40*a4*a1*a3+3/4*a1*a7+3/4*a6*a2+9/8*a6*a1^2+11/20*a5*a3+17/10*a5*a1^3+15/32*a4^2
+45/32*a4*a2^2, nep[3,1,3,1] = 41/20*a5*a1*a2+483/80*a4*a2*a1^2+1139/240*a3*a1*a2^2+1381/120*a3*a2*a1^3+35/128*a2^4+a1^8+3
/8*a8+121/40*a4*a1^4+23/24*a3^2*a2+27/8*a3^2*a1^2+87/20*a3*a1^5+2197/480*a2^3*a1^2+4559/480*a2^2*a1^4+227/40*a2*a1^6+27/8*
a4*a1*a3+3/4*a1*a7+1/2*a6*a2+9/8*a6*a1^2+3/4*a5*a3+17/10*a5*a1^3+21/32*a4^2+29/32*a4*a2^2, nep[3,2,1,2] = 57/20*a5*a1*a2+
451/80*a4*a2*a1^2+1513/240*a3*a1*a2^2+1327/120*a3*a2*a1^3+55/128*a2^4+a1^8+3/8*a8+107/40*a4*a1^4+31/24*a3^2*a2+19/8*a3^2*
a1^2+227/60*a3*a1^5+3029/480*a2^3*a1^2+5183/480*a2^2*a1^4+707/120*a2*a1^6+17/8*a4*a1*a3+3/4*a1*a7+3/4*a6*a2+9/8*a6*a1^2+3/
4*a5*a3+19/10*a5*a1^3+9/32*a4^2+33/32*a4*a2^2, nep[3,2,2,1] = 49/20*a5*a1*a2+407/80*a4*a2*a1^2+271/48*a3*a1*a2^2+1339/120*
a3*a2*a1^3+35/128*a2^4+a1^8+3/8*a8+107/40*a4*a1^4+163/120*a3^2*a2+119/40*a3^2*a1^2+247/60*a3*a1^5+2383/480*a2^3*a1^2+907/
96*a2^2*a1^4+667/120*a2*a1^6+101/40*a4*a1*a3+3/4*a1*a7+1/2*a6*a2+9/8*a6*a1^2+19/20*a5*a3+19/10*a5*a1^3+9/32*a4^2+23/32*a4*
a2^2, nep[3,3,1,1] = 11/4*a5*a1*a2+93/16*a4*a2*a1^2+1109/240*a3*a1*a2^2+83/8*a3*a2*a1^3+41/128*a2^4+a1^8+3/8*a8+123/40*a4*
a1^4+103/120*a3^2*a2+109/40*a3^2*a1^2+81/20*a3*a1^5+461/96*a2^3*a1^2+1483/160*a2^2*a1^4+221/40*a2*a1^6+111/40*a4*a1*a3+3/4
*a1*a7+1/2*a6*a2+9/8*a6*a1^2+19/20*a5*a3+21/10*a5*a1^3+15/32*a4^2+29/32*a4*a2^2, nep[4,1,1,2] = 41/15*a5*a1*a2+179/30*a4*
a2*a1^2+971/180*a3*a1*a2^2+166/15*a3*a2*a1^3+5/8*a2^4+a1^8+1/2*a8+11/4*a4*a1^4+79/90*a3^2*a2+12/5*a3^2*a1^2+23/6*a3*a1^5+
2197/360*a2^3*a1^2+1297/120*a2^2*a1^4+71/12*a2*a1^6+29/15*a4*a1*a3+a1*a7+a6*a2+3/2*a6*a1^2+7/15*a5*a3+2*a5*a1^3+1/4*a4^2+
11/8*a4*a2^2, nep[4,1,2,1] = 11/5*a5*a1*a2+157/30*a4*a2*a1^2+863/180*a3*a1*a2^2+56/5*a3*a2*a1^3+3/8*a2^4+a1^8+1/2*a8+11/4*
a4*a1^4+97/90*a3^2*a2+16/5*a3^2*a1^2+25/6*a3*a1^5+1681/360*a2^3*a1^2+377/40*a2^2*a1^4+67/12*a2*a1^6+37/15*a4*a1*a3+a1*a7+2
/3*a6*a2+3/2*a6*a1^2+11/15*a5*a3+2*a5*a1^3+1/4*a4^2+23/24*a4*a2^2, nep[4,2,1,1] = 31/15*a5*a1*a2+29/5*a4*a2*a1^2+68/15*a3*
a1*a2^2+52/5*a3*a2*a1^3+1/2*a2^4+a1^8+1/2*a8+3*a4*a1^4+23/30*a3^2*a2+41/15*a3^2*a1^2+4*a3*a1^5+73/15*a2^3*a1^2+139/15*a2^2
*a1^4+11/2*a2*a1^6+13/5*a4*a1*a3+a1*a7+2/3*a6*a2+3/2*a6*a1^2+7/15*a5*a3+2*a5*a1^3+1/2*a4^2+4/3*a4*a2^2, nep[5,1,1,1] = 31/
12*a5*a1*a2+253/48*a4*a2*a1^2+701/144*a3*a1*a2^2+247/24*a3*a2*a1^3+35/128*a2^4+a1^8+5/8*a8+25/8*a4*a1^4+79/72*a3^2*a2+19/8
*a3^2*a1^2+49/12*a3*a1^5+1357/288*a2^3*a1^2+887/96*a2^2*a1^4+133/24*a2*a1^6+43/24*a4*a1*a3+5/4*a1*a7+5/6*a6*a2+15/8*a6*a1^
2+7/12*a5*a3+5/2*a5*a1^3+5/32*a4^2+85/96*a4*a2^2, nep[1,1,1,1,4] = -743/420*a5*a1*a2-10379/1680*a4*a2*a1^2-10247/1680*a3*
a1*a2^2-32803/2520*a3*a2*a1^3-73/128*a2^4-a1^8-1/8*a8-867/280*a4*a1^4-133/120*a3^2*a2-8227/2520*a3^2*a1^2-1987/420*a3*a1^5
-7479/1120*a2^3*a1^2-119701/10080*a2^2*a1^4-5347/840*a2*a1^6-717/280*a4*a1*a3-11/28*a1*a7-5/12*a6*a2-139/168*a6*a1^2-9/20*
a5*a3-307/210*a5*a1^3-11/32*a4^2-119/96*a4*a2^2, nep[1,1,1,2,3] = -841/420*a5*a1*a2-8153/1680*a4*a2*a1^2-33191/5040*a3*a1*
a2^2-32047/2520*a3*a2*a1^3-55/128*a2^4-a1^8-1/8*a8-699/280*a4*a1^4-487/360*a3^2*a2-7261/2520*a3^2*a1^2-1819/420*a3*a1^5-\
63727/10080*a2^3*a1^2-115627/10080*a2^2*a1^4-5179/840*a2*a1^6-521/280*a4*a1*a3-11/28*a1*a7-5/12*a6*a2-139/168*a6*a1^2-31/
60*a5*a3-349/210*a5*a1^3-5/32*a4^2-83/96*a4*a2^2, nep[1,1,1,3,2] = -911/420*a5*a1*a2-8923/1680*a4*a2*a1^2-27983/5040*a3*a1
*a2^2-26923/2520*a3*a2*a1^3-73/128*a2^4-a1^8-1/8*a8-811/280*a4*a1^4-319/360*a3^2*a2-5287/2520*a3^2*a1^2-1651/420*a3*a1^5-\
65617/10080*a2^3*a1^2-22277/2016*a2^2*a1^4-5011/840*a2*a1^6-1451/840*a4*a1*a3-11/28*a1*a7-5/12*a6*a2-139/168*a6*a1^2-9/20*
a5*a3-391/210*a5*a1^3-7/32*a4^2-101/96*a4*a2^2, nep[1,1,1,4,1] = -911/420*a5*a1*a2-3091/560*a4*a2*a1^2-2501/560*a3*a1*a2^2
-5561/504*a3*a2*a1^3-35/128*a2^4-a1^8-1/8*a8-923/280*a4*a1^4-7/8*a3^2*a2-1385/504*a3^2*a1^2-1903/420*a3*a1^5-14989/3360*a2
^3*a1^2-95383/10080*a2^2*a1^4-4843/840*a2*a1^6-377/168*a4*a1*a3-11/28*a1*a7-1/3*a6*a2-139/168*a6*a1^2-7/12*a5*a3-433/210*
a5*a1^3-9/32*a4^2-79/96*a4*a2^2, nep[1,1,2,1,3] = -257/140*a5*a1*a2-8503/1680*a4*a2*a1^2-9911/1680*a3*a1*a2^2-31459/2520*
a3*a2*a1^3-63/128*a2^4-a1^8-1/8*a8-137/56*a4*a1^4-51/40*a3^2*a2-8017/2520*a3^2*a1^2-361/84*a3*a1^5-20519/3360*a2^3*a1^2-\
113611/10080*a2^2*a1^4-1033/168*a2*a1^6-507/280*a4*a1*a3-11/28*a1*a7-1/2*a6*a2-167/168*a6*a1^2-9/20*a5*a3-67/42*a5*a1^3-5/
32*a4^2-33/32*a4*a2^2, nep[1,1,2,2,2] = -743/420*a5*a1*a2-3063/560*a4*a2*a1^2-5185/1008*a3*a1*a2^2-26321/2520*a3*a2*a1^3-\
93/128*a2^4-a1^8-1/8*a8-151/56*a4*a1^4-283/360*a3^2*a2-5399/2520*a3^2*a1^2-319/84*a3*a1^5-66541/10080*a2^3*a1^2-109733/
10080*a2^2*a1^4-991/168*a2*a1^6-1367/840*a4*a1*a3-11/28*a1*a7-1/2*a6*a2-167/168*a6*a1^2-19/60*a5*a3-67/42*a5*a1^3-7/32*a4^
2-41/32*a4*a2^2, nep[1,1,2,3,1] = -43/28*a5*a1*a2-1849/336*a4*a2*a1^2-22481/5040*a3*a1*a2^2-3091/280*a3*a2*a1^3-39/128*a2^
4-a1^8-1/8*a8-165/56*a4*a1^4-331/360*a3^2*a2-2411/840*a3*a2*a1^3-361/84*a3*a1^5-8957/2016*a2^3*a1^2-6301/672*a2^2*a1^4-949/
168*a2*a1^6-1759/840*a4*a1*a3-11/28*a1*a7-5/12*a6*a2-167/168*a6*a1^2-23/60*a5*a3-67/42*a5*a1^3-9/32*a4^2-101/96*a4*a2^2,
nep[1,1,3,1,2] = -869/420*a5*a1*a2-8657/1680*a4*a2*a1^2-26807/5040*a3*a1*a2^2-2979/280*a3*a2*a1^3-55/128*a2^4-a1^8-1/8*a8-\
151/56*a4*a1^4-331/360*a3^2*a2-1711/840*a3*a2*a1^2-319/84*a3*a1^5-58603/10080*a2^3*a1^2-35873/3360*a2^2*a1^4-991/168*a2*a1^
6-1199/840*a4*a1*a3-11/28*a1*a7-7/12*a6*a2-65/56*a6*a1^2-23/60*a5*a3-27/14*a5*a1^3-5/32*a4^2-103/96*a4*a2^2, nep[1,1,3,2,1
] = -257/140*a5*a1*a2-7453/1680*a4*a2*a1^2-8161/1680*a3*a1*a2^2-3021/280*a3*a2*a1^3-35/128*a2^4-a1^8-1/8*a8-151/56*a4*a1^4
-133/120*a3^2*a2-2299/840*a3^2*a1^2-347/84*a3*a1^5-5113/1120*a2^3*a1^2-31337/3360*a2^2*a1^4-935/168*a2*a1^6-1381/840*a4*a1
*a3-11/28*a1*a7-1/2*a6*a2-65/56*a6*a1^2-9/20*a5*a3-27/14*a5*a1^3-5/32*a4^2-23/32*a4*a2^2, nep[1,1,4,1,1] = -883/420*a5*a1*
a2-8629/1680*a4*a2*a1^2-20311/5040*a3*a1*a2^2-4889/504*a3*a2*a1^3-49/128*a2^4-a1^8-1/8*a8-179/56*a4*a1^4-239/360*a3^2*a2-\
5287/2520*a3^2*a1^2-347/84*a3*a1^5-46451/10080*a2^3*a1^2-91813/10080*a2^2*a1^4-935/168*a2*a1^6-1451/840*a4*a1*a3-11/28*a1*
a7-7/12*a6*a2-223/168*a6*a1^2-9/20*a5*a3-95/42*a5*a1^3-7/32*a4^2-85/96*a4*a2^2, nep[1,2,1,1,3] = -863/420*a5*a1*a2-8599/
1680*a4*a2*a1^2-10057/1680*a3*a1*a2^2-31033/2520*a3*a2*a1^3-55/128*a2^4-a1^8-1/8*a8-677/280*a4*a1^4-133/120*a3^2*a2-7837/
2520*a3^2*a1^2-599/140*a3*a1^5-20507/3360*a2^3*a1^2-112891/10080*a2^2*a1^4-1719/280*a2*a1^6-1831/840*a4*a1*a3-15/28*a1*a7-\
5/12*a6*a2-53/56*a6*a1^2-9/20*a5*a3-109/70*a5*a1^3-5/32*a4^2-83/96*a4*a2^2, nep[1,2,1,2,2] = -167/84*a5*a1*a2-1801/336*a4*
a2*a1^2-26923/5040*a3*a1*a2^2-5221/504*a3*a2*a1^3-73/128*a2^4-a1^8-1/8*a8-747/280*a4*a1^4-263/360*a3^2*a2-5639/2520*a3^2*
a1^2-529/140*a3*a1^5-12979/2016*a2^3*a1^2-109013/10080*a2^2*a1^4-1649/280*a2*a1^6-1607/840*a4*a1*a3-15/28*a1*a7-5/12*a6*a2
-53/56*a6*a1^2-19/60*a5*a3-109/70*a5*a1^3-7/32*a4^2-101/96*a4*a2^2, nep[1,2,1,3,1] = -139/84*a5*a1*a2-605/112*a4*a2*a1^2-\
7397/1680*a3*a1*a2^2-3053/280*a3*a2*a1^3-35/128*a2^4-a1^8-1/8*a8-817/280*a4*a1^4-97/120*a3^2*a2-2491/840*a3^2*a1^2-599/140
*a3*a1^5-2959/672*a2^3*a1^2-31181/3360*a2^2*a1^4-1579/280*a2*a1^6-713/280*a4*a1*a3-15/28*a1*a7-1/3*a6*a2-53/56*a6*a1^2-23/
60*a5*a3-109/70*a5*a1^3-9/32*a4^2-79/96*a4*a2^2, nep[1,2,2,1,2] = -65/28*a5*a1*a2-1703/336*a4*a2*a1^2-28141/5040*a3*a1*a2^
2-5291/504*a3*a2*a1^3-55/128*a2^4-a1^8-1/8*a8-719/280*a4*a1^4-311/360*a3^2*a2-5233/2520*a3^2*a1^2-1559/420*a3*a1^5-12097/

2016*a2^3*a1^2-106591/10080*a2^2*a1^4-4919/840*a2*a1^6-1369/840*a4*a1*a3-15/28*a1*a7-5/12*a6*a2-53/56*a6*a1^2-23/60*a5*a3-\
123/70*a5*a1^3-5/32*a4^2-83/96*a4*a2^2, nep[1,2,2,2,1] = -167/84*a5*a1*a2-1535/336*a4*a2*a1^2-2811/560*a3*a1*a2^2-26707/
2520*a3*a2*a1^3-35/128*a2^4-a1^8-1/8*a8-719/280*a4*a1^4-113/120*a3^2*a2-6577/2520*a3^2*a1^2-1699/420*a3*a1^5-3169/672*a2^3
*a1^2-93151/10080*a2^2*a1^4-4639/840*a2*a1^6-1621/840*a4*a1*a3-15/28*a1*a7-1/3*a6*a2-53/56*a6*a1^2-9/20*a5*a3-123/70*a5*a1
^3-5/32*a4^2-61/96*a4*a2^2, nep[1,2,3,1,1] = -961/420*a5*a1*a2-8753/1680*a4*a2*a1^2-21043/5040*a3*a1*a2^2-24593/2520*a3*a2
*a1^3-41/128*a2^4-a1^8-1/8*a8-831/280*a4*a1^4-239/360*a3^2*a2-5807/2520*a3^2*a1^2-557/140*a3*a1^5-46247/10080*a2^3*a1^2-\
18241/2016*a2^2*a1^4-1537/280*a2*a1^6-1691/840*a4*a1*a3-15/28*a1*a7-1/3*a6*a2-53/56*a6*a1^2-9/20*a5*a3-137/70*a5*a1^3-7/32
*a4^2-73/96*a4*a2^2, nep[1,3,1,1,2] = -899/420*a5*a1*a2-8947/1680*a4*a2*a1^2-24449/5040*a3*a1*a2^2-2931/280*a3*a2*a1^3-63/
128*a2^4-a1^8-1/8*a8-145/56*a4*a1^4-283/360*a3^2*a2-1843/840*a3^2*a1^2-313/84*a3*a1^5-58153/10080*a2^3*a1^2-35393/3360*a2^
2*a1^4-985/168*a2*a1^6-1357/840*a4*a1*a3-19/28*a1*a7-1/2*a6*a2-69/56*a6*a1^2-19/60*a5*a3-25/14*a5*a1^3-5/32*a4^2-33/32*a4*
a2^2, nep[1,3,1,2,1] = -239/140*a5*a1*a2-7841/1680*a4*a2*a1^2-21719/5040*a3*a1*a2^2-1781/168*a3*a2*a1^3-39/128*a2^4-a1^8-1
/8*a8-145/56*a4*a1^4-331/360*a3^2*a2-2431/840*a3^2*a1^2-341/84*a3*a1^5-44419/10080*a2^3*a1^2-30829/3360*a2^2*a1^4-929/168*
a2*a1^6-1679/840*a4*a1*a3-19/28*a1*a7-5/12*a6*a2-69/56*a6*a1^2-23/60*a5*a3-25/14*a5*a1^3-5/32*a4^2-71/96*a4*a2^2, nep[1,3,
2,1,1] = -703/420*a5*a1*a2-2903/560*a4*a2*a1^2-1349/336*a3*a1*a2^2-2749/280*a3*a2*a1^3-49/128*a2^4-a1^8-1/8*a8-159/56*a4*
a1^4-27/40*a3^2*a2-2053/840*a3^2*a1^2-109/28*a3*a1^5-5119/1120*a2^3*a1^2-30311/3360*a2^2*a1^4-305/56*a2*a1^6-569/280*a4*a1
*a3-19/28*a1*a7-5/12*a6*a2-69/56*a6*a1^2-19/60*a5*a3-25/14*a5*a1^3-7/32*a4^2-89/96*a4*a2^2, nep[1,4,1,1,1] = -173/84*a5*a1
*a2-1579/336*a4*a2*a1^2-21191/5040*a3*a1*a2^2-2711/280*a3*a2*a1^3-35/128*a2^4-a1^8-1/8*a8-163/56*a4*a1^4-271/360*a3^2*a2-\
1811/840*a3^2*a1^2-331/84*a3*a1^5-8843/2016*a2^3*a1^2-6017/672*a2^2*a1^4-919/168*a2*a1^6-1289/840*a4*a1*a3-23/28*a1*a7-1/2
*a6*a2-85/56*a6*a1^2-23/60*a5*a3-31/14*a5*a1^3-5/32*a4^2-23/32*a4*a2^2, nep[2,1,1,1,3] = -13/6*a5*a1*a2-61/12*a4*a2*a1^2-\
2273/360*a3*a1*a2^2-551/45*a3*a2*a1^3-1/2*a2^4-a1^8-1/4*a8-12/5*a4*a1^4-271/180*a3^2*a2-277/90*a3^2*a1^2-64/15*a3*a1^5-887
/144*a2^3*a1^2-4021/360*a2^2*a1^4-92/15*a2*a1^6-11/5*a4*a1*a3-1/2*a1*a7-2/3*a6*a2-11/12*a6*a1^2-23/30*a5*a3-23/15*a5*a1^3-\
1/4*a4^2-55/48*a4*a2^2, nep[2,1,1,2,2] = -61/30*a5*a1*a2-643/120*a4*a2*a1^2-997/180*a3*a1*a2^2-371/36*a3*a2*a1^3-11/16*a2^
4-a1^8-1/4*a8-53/20*a4*a1^4-35/36*a3^2*a2-20/9*a3^2*a1^2-113/30*a3*a1^5-4657/720*a2^3*a1^2-971/90*a2^2*a1^4-353/60*a2*a1^6
-2*a4*a1*a3-1/2*a1*a7-2/3*a6*a2-11/12*a6*a1^2-1/2*a5*a3-23/15*a5*a1^3-3/8*a4^2-35/24*a4*a2^2, nep[2,1,1,3,1] = -53/30*a5*
a1*a2-649/120*a4*a2*a1^2-1691/360*a3*a1*a2^2-649/60*a3*a2*a1^3-5/16*a2^4-a1^8-1/4*a8-29/10*a4*a1^4-193/180*a3^2*a2-29/10*
a3^2*a1^2-64/15*a3*a1^5-1613/360*a2^3*a1^2-37/4*a2^2*a1^4-169/30*a2*a1^6-13/5*a4*a1*a3-1/2*a1*a7-1/2*a6*a2-11/12*a6*a1^2-\
19/30*a5*a3-23/15*a5*a1^3-1/2*a4^2-17/16*a4*a2^2, nep[2,1,2,1,2] = -23/10*a5*a1*a2-301/60*a4*a2*a1^2-415/72*a3*a1*a2^2-941
/90*a3*a2*a1^3-1/2*a2^4-a1^8-1/4*a8-51/20*a4*a1^4-223/180*a3^2*a2-191/90*a3^2*a1^2-37/10*a3*a1^5-4303/720*a2^3*a1^2-1897/
180*a2^2*a1^4-117/20*a2*a1^6-53/30*a4*a1*a3-1/2*a1*a7-2/3*a6*a2-11/12*a6*a1^2-19/30*a5*a3-26/15*a5*a1^3-1/4*a4^2-55/48*a4*
a2^2, nep[2,1,2,2,1] = -61/30*a5*a1*a2-181/40*a4*a2*a1^2-1877/360*a3*a1*a2^2-211/20*a3*a2*a1^3-5/16*a2*a1^4-8-1/4*a8-51/20
*a4*a1^4-241/180*a3^2*a2-79/30*a3^2*a1^2-121/30*a3*a1^5-1691/360*a2^3*a1^2-221/24*a2^2*a1^4-331/60*a2*a1^6-61/30*a4*a1*a3-\
1/2*a1*a7-1/2*a6*a2-11/12*a6*a1^2-23/30*a5*a3-26/15*a5*a1^3-1/4*a4^2-13/16*a4*a2^2, nep[2,1,3,1,1] = -67/30*a5*a1*a2-77/15
*a4*a2*a1^2-197/45*a3*a1*a2^2-436/45*a3*a2*a1^3-3/8*a2^4-a1^8-1/4*a8-59/20*a4*a1^4-161/180*a3^2*a2-106/45*a3^2*a1^2-119/30
*a3*a1^5-1657/360*a2^3*a1^2-3239/360*a2^2*a1^4-329/60*a2*a1^6-11/5*a4*a1*a3-1/2*a1*a7-1/2*a6*a2-11/12*a6*a1^2-23/30*a5*a3-\
29/15*a5*a1^3-3/8*a4^2-a4*a2^2, nep[2,2,1,1,2] = -13/6*a5*a1*a2-21/4*a4*a2*a1^2-131/24*a3*a1*a2^2-31/3*a3*a2*a1^3-5/8*a2^4
-a1^8-1/4*a8-5/2*a4*a1^4-13/12*a3^2*a2-13/6*a3^2*a1^2-11/3*a3*a1^5-287/48*a2^3*a1^2-251/24*a2^2*a1^4-35/6*a2*a1^6-5/3*a4*
a1*a3-1/2*a1*a7-5/6*a6*a2-13/12*a6*a1^2-1/2*a5*a3-5/3*a5*a1^3-1/4*a4^2-71/48*a4*a2^2, nep[2,2,1,2,1] = -19/10*a5*a1*a2-139
/30*a4*a2*a1^2-1777/360*a3*a1*a2^2-941/90*a3*a2*a1^3-3/8*a2^4-a1^8-1/4*a8-5/2*a4*a1^4-233/180*a3^2*a2-251/90*a3^2*a1^2-4*
a3*a1^5-3329/720*a2^3*a1^2-3281/360*a2^2*a1^4-11/2*a2*a1^6-29/15*a4*a1*a3-1/2*a1*a7-2/3*a6*a2-13/12*a6*a1^2-19/30*a5*a3-5/
3*a5*a1^3-1/4*a4^2-49/48*a4*a2^2, nep[2,2,2,1,1] = -11/6*a5*a1*a2-31/6*a4*a2*a1^2-9/2*a3*a1*a2^2-29/3*a3*a2*a1^3-1/2*a2^4-
a1^8-1/4*a8-11/4*a4*a1^4-11/12*a3^2*a2-7/3*a3^2*a1^2-23/6*a3*a1^5-19/4*a2^3*a1^2-215/24*a2^2*a1^4-65/12*a2*a1^6-2*a4*a1*a3
-1/2*a1*a7-2/3*a6*a2-13/12*a6*a1^2-1/2*a5*a3-5/3*a5*a1^3-3/8*a4^2-4/3*a4*a2^2, nep[2,3,1,1,1] = -67/30*a5*a1*a2-571/120*a4
*a2*a1^2-1667/360*a3*a1*a2^2-193/20*a3*a2*a1^3-5/16*a2^4-a1^8-1/4*a8-11/4*a4*a1^4-193/180*a3^2*a2-67/30*a3^2*a1^2-23/6*a3*
a1^5-811/180*a2^3*a1^2-1067/120*a2^2*a1^4-65/12*a2*a1^6-53/30*a4*a1*a3-1/2*a1*a7-5/6*a6*a2-5/4*a6*a1^2-19/30*a5*a3-2*a5*a1
^3-1/4*a4^2-47/48*a4*a2^2, nep[3,1,1,1,2] = -49/20*a5*a1*a2-427/80*a4*a2*a1^2-1267/240*a3*a1*a2^2-1249/120*a3*a2*a1^3-55/
128*a2^4-a1^8-3/8*a8-101/40*a4*a1^4-107/120*a3^2*a2-91/40*a3^2*a1^2-221/60*a3*a1^5-2813/480*a2^3*a1^2-5027/480*a2^2*a1^4-\
701/120*a2*a1^6-79/40*a4*a1*a3-3/4*a1*a7-3/4*a6*a2-9/8*a6*a1^2-11/20*a5*a3-17/10*a5*a1^3-9/32*a4^2-33/32*a4*a2^2, nep[3,1,
1,2,1] = -41/20*a5*a1*a2-383/80*a4*a2*a1^2-1109/240*a3*a1*a2^2-1261/120*a3*a2*a1^3-35/128*a2^4-a1^8-3/8*a8-101/40*a4*a1^4-\
23/24*a3^2*a2-23/8*a3^2*a1^2-241/60*a3*a1^5-2167/480*a2^3*a1^2-4379/480*a2^2*a1^4-661/120*a2*a1^6-19/8*a4*a1*a3-3/4*a1*a7-\
1/2*a6*a2-9/8*a6*a1^2-3/4*a5*a3-17/10*a5*a1^3-9/32*a4^2-23/32*a4*a2^2, nep[3,1,2,1,1] = -39/20*a5*a1*a2-417/80*a4*a2*a1^2-\
339/80*a3*a1*a2^2-1169/120*a3*a2*a1^3-41/128*a2^4-a1^8-3/8*a8-111/40*a4*a1^4-29/40*a3^2*a2-101/40*a3^2*a1^2-77/20*a3*a1^5-\
731/160*a2^3*a1^2-4297/480*a2^2*a1^4-217/40*a2*a1^6-99/40*a4*a1*a3-3/4*a1*a7-1/2*a6*a2-9/8*a6*a1^2-11/20*a5*a3-17/10*a5*a1
^3-15/32*a4^2-29/32*a4*a2^2, nep[3,2,1,1,1] = -47/20*a5*a1*a2-391/80*a4*a2*a1^2-1103/240*a3*a1*a2^2-389/40*a3*a2*a1^3-35/
128*a2^4-a1^8-3/8*a8-107/40*a4*a1^4-23/24*a3^2*a2-19/8*a3^2*a1^2-227/60*a3*a1^5-2179/480*a2^3*a1^2-1421/160*a2^2*a1^4-647/
120*a2*a1^6-17/8*a4*a1*a3-3/4*a1*a7-1/2*a6*a2-9/8*a6*a1^2-3/4*a5*a3-19/10*a5*a1^3-9/32*a4^2-23/32*a4*a2^2, nep[4,1,1,1,1]
= -31/15*a5*a1*a2-149/30*a4*a2*a1^2-247/60*a3*a1*a2^2-146/15*a3*a2*a1^3-3/8*a2^4-a1^8-1/2*a8-11/4*a4*a1^4-23/30*a3^2*a2-12
/5*a3^2*a1^2-23/6*a3*a1^5-529/120*a2^3*a1^2-1067/120*a2^2*a1^4-65/12*a2*a1^6-29/15*a4*a1*a3-a1*a7-2/3*a6*a2-3/2*a6*a1^2-7/
15*a5*a3-2*a5*a1^3-1/4*a4^2-23/24*a4*a2^2, nep[1,1,1,1,1,3] = 743/420*a5*a1*a2+7859/1680*a4*a2*a1^2+9407/1680*a3*a1*a2^2+
29863/2520*a3*a2*a1^3+55/128*a2^4+a1^8+1/8*a8+657/280*a4*a1^4+133/120*a3^2*a2+7177/2520*a3^2*a1^2+1777/420*a3*a1^5+6569/
1120*a2^3*a1^2+111091/10080*a2^2*a1^4+5137/840*a2*a1^6+507/280*a4*a1*a3+11/28*a1*a7+5/12*a6*a2+139/168*a6*a1^2+9/20*a5*a3+
307/210*a5*a1^3+5/32*a4^2+83/96*a4*a2^2, nep[1,1,1,1,2,2] = 143/84*a5*a1*a2+1667/336*a4*a2*a1^2+24763/5040*a3*a1*a2^2+5015
/504*a3*a2*a1^3+73/128*a2^4+a1^8+1/8*a8+727/280*a4*a1^4+263/360*a3^2*a2+5119/2520*a3^2*a1^2+1567/420*a3*a1^5+12457/2016*a2
^3*a1^2+107353/10080*a2^2*a1^4+4927/840*a2*a1^6+1367/840*a4*a1*a3+11/28*a1*a7+5/12*a6*a2+139/168*a6*a1^2+19/60*a5*a3+307/
210*a5*a1^3+7/32*a4^2+101/96*a4*a2^2, nep[1,1,1,1,3,1] = 617/420*a5*a1*a2+2797/560*a4*a2*a1^2+7013/1680*a3*a1*a2^2+26293/
2520*a3*a2*a1^3+35/128*a2^4+a1^8+1/8*a8+797/280*a4*a1^4+97/120*a3^2*a2+6673/2520*a3^2*a1^2+1777/420*a3*a1^5+14303/3360*a2^
3*a1^2+18371/2016*a2^2*a1^4+4717/840*a2*a1^6+1759/840*a4*a1*a3+11/28*a1*a7+1/3*a6*a2+139/168*a6*a1^2+23/60*a5*a3+307/210*
a5*a1^3+9/32*a4^2+79/96*a4*a2^2, nep[1,1,1,2,1,2] = 271/140*a5*a1*a2+7789/1680*a4*a2*a1^2+25603/5040*a3*a1*a2^2+25439/2520
*a3*a2*a1^3+55/128*a2^4+a1^8+1/8*a8+699/280*a4*a1^4+311/360*a3^2*a2+4853/2520*a3^2*a1^2+513/140*a3*a1^5+57371/10080*a2^3*
a1^2+104819/10080*a2^2*a1^4+1633/280*a2*a1^6+1199/840*a4*a1*a3+11/28*a1*a7+5/12*a6*a2+139/168*a6*a1^2+23/60*a5*a3+349/210*
a5*a1^3+5/32*a4^2+83/96*a4*a2^2, nep[1,1,1,2,2,1] = 143/84*a5*a1*a2+467/112*a4*a2*a1^2+2571/560*a3*a1*a2^2+2853/280*a3*a2*
a1^3+35/128*a2^4+a1^8+1/8*a8+699/280*a4*a1^4+113/120*a3^2*a2+673/280*a3^2*a1^2+1679/420*a3*a1^5+2995/672*a2^3*a1^2+30497/
3360*a2^2*a1^4+4619/840*a2*a1^6+1381/840*a4*a1*a3+11/28*a1*a7+1/3*a6*a2+139/168*a6*a1^2+9/20*a5*a3+349/210*a5*a1^3+5/32*a4
^2+61/96*a4*a2^2, nep[1,1,1,3,1,1] = 799/420*a5*a1*a2+7957/1680*a4*a2*a1^2+3911/1008*a3*a1*a2^2+23437/2520*a3*a2*a1^3+41/
128*a2^4+a1^8+1/8*a8+811/280*a4*a1^4+239/360*a3^2*a2+5287/2520*a3^2*a1^2+1651/420*a3*a1^5+44183/10080*a2^3*a1^2+89293/
10080*a2^2*a1^4+4591/840*a2*a1^6+1451/840*a4*a1*a3+11/28*a1*a7+1/3*a6*a2+139/168*a6*a1^2+9/20*a5*a3+391/210*a5*a1^3+7/32*
a4^2+73/96*a4*a2^2, nep[1,1,2,1,1,2] = 743/420*a5*a1*a2+2713/560*a4*a2*a1^2+4765/1008*a3*a1*a2^2+8377/840*a3*a2*a1^3+63/
128*a2^4+a1^8+1/8*a8+137/56*a4*a1^4+283/360*a3^2*a2+561/280*a3^2*a1^2+305/84*a3*a1^5+56881/10080*a2^3*a1^2+11547/1120*a2^2
*a1^4+977/168*a2*a1^6+1157/840*a4*a1*a3+11/28*a1*a7+1/2*a6*a2+167/168*a6*a1^2+19/60*a5*a3+67/42*a5*a1^3+5/32*a4^2+33/32*a4
*a2^2, nep[1,1,2,1,2,1] = 43/28*a5*a1*a2+1429/336*a4*a2*a1^2+21431/5040*a3*a1*a2^2+25439/2520*a3*a2*a1^3+39/128*a2^4+a1^8+
1/8*a8+137/56*a4*a1^4+331/360*a3^2*a2+6533/2520*a3^2*a1^2+111/28*a3*a1^5+8747/2016*a2^3*a1^2+18091/2016*a2^2*a1^4+307/56*
a2*a1^6+1339/840*a4*a1*a3+11/28*a1*a7+5/12*a6*a2+167/168*a6*a1^2+23/60*a5*a3+67/42*a5*a1^3+5/32*a4^2+71/96*a4*a2^2, nep[1,
1,2,2,1,1] = 631/420*a5*a1*a2+2671/560*a4*a2*a1^2+6509/1680*a3*a1*a2^2+4693/504*a3*a2*a1^3+49/128*a2^4+a1^8+1/8*a8+151/56*
a4*a1^4+27/40*a3^2*a2+5399/2520*a3^2*a1^2+319/84*a3*a1^5+14989/3360*a2^3*a1^2+88901/10080*a2^2*a1^4+907/168*a2*a1^6+1367/
840*a4*a1*a3+11/28*a1*a7+5/12*a6*a2+167/168*a6*a1^2+19/60*a5*a3+67/42*a5*a1^3+7/32*a4^2+89/96*a4*a2^2, nep[1,1,3,1,1,1] =
757/420*a5*a1*a2+7271/1680*a4*a2*a1^2+20129/5040*a3*a1*a2^2+1555/168*a3*a2*a1^3+35/128*a2^4+a1^8+1/8*a8+151/56*a4*a1^4+271
/360*a3^2*a2+1711/840*a3^2*a1^2+319/84*a3*a1^5+42559/10080*a2^3*a1^2+9783/1120*a2^2*a1^4+907/168*a2*a1^6+1199/840*a4*a1*a3
+11/28*a1*a7+1/2*a6*a2+65/56*a6*a1^2+23/60*a5*a3+27/14*a5*a1^3+5/32*a4^2+23/32*a4*a2^2, nep[1,2,1,1,1,2] = 167/84*a5*a1*a2
+1619/336*a4*a2*a1^2+24403/5040*a3*a1*a2^2+4997/504*a3*a2*a1^3+55/128*a2^4+a1^8+1/8*a8+677/280*a4*a1^4+263/360*a3^2*a2+
5149/2520*a3^2*a1^2+1517/420*a3*a1^5+11341/2016*a2^3*a1^2+103483/10080*a2^2*a1^4+4877/840*a2*a1^6+1327/840*a4*a1*a3+15/28*
a1*a7+5/12*a6*a2+53/56*a6*a1^2+19/60*a5*a3+109/70*a5*a1^3+5/32*a4^2+83/96*a4*a2^2, nep[1,2,1,1,2,1] = 139/84*a5*a1*a2+1451
/336*a4*a2*a1^2+7187/1680*a3*a1*a2^2+25237/2520*a3*a2*a1^3+35/128*a2^4+a1^8+1/8*a8+677/280*a4*a1^4+97/120*a3^2*a2+6493/
2520*a3^2*a1^2+1657/420*a3*a1^5+2917/672*a2^3*a1^2+90043/10080*a2^2*a1^4+4597/840*a2*a1^6+1579/840*a4*a1*a3+15/28*a1*a7+1/
3*a6*a2+53/56*a6*a1^2+23/60*a5*a3+109/70*a5*a1^3+5/32*a4^2+61/96*a4*a2^2, nep[1,2,1,2,1,1] = 227/140*a5*a1*a2+7913/1680*a4
*a2*a1^2+19727/5040*a3*a1*a2^2+23333/2520*a3*a2*a1^3+41/128*a2^4+a1^8+1/8*a8+747/280*a4*a1^4+223/360*a3^2*a2+5639/2520*a3^
2*a1^2+529/140*a3*a1^5+44287/10080*a2^3*a1^2+88349/10080*a2^2*a1^4+1509/280*a2*a1^6+1607/840*a4*a1*a3+15/28*a1*a7+1/3*a6*
a2+53/56*a6*a1^2+19/60*a5*a3+109/70*a5*a1^3+7/32*a4^2+73/96*a4*a2^2, nep[1,2,2,1,1,1] = 821/420*a5*a1*a2+7423/1680*a4*a2*
a1^2+4175/1008*a3*a1*a2^2+23263/2520*a3*a2*a1^3+35/128*a2^4+a1^8+1/8*a8+719/280*a4*a1^4+251/360*a3^2*a2+5233/2520*a3^2*a1^
2+1559/420*a3*a1^5+43727/10080*a2^3*a1^2+87607/10080*a2^2*a1^4+4499/840*a2*a1^6+1369/840*a4*a1*a3+15/28*a1*a7+1/3*a6*a2+53
/56*a6*a1^2+23/60*a5*a3+123/70*a5*a1^3+5/32*a4^2+61/96*a4*a2^2, nep[1,3,1,1,1,1] = 703/420*a5*a1*a2+7519/1680*a4*a2*a1^2+
417/112*a3*a1*a2^2+7757/840*a3*a2*a1^3+39/128*a2^4+a1^8+1/8*a8+145/56*a4*a1^4+27/40*a3^2*a2+1843/840*a3^2*a1^2+313/84*a3*
a1^5+14027/3360*a2^3*a1^2+9707/1120*a2^2*a1^4+901/168*a2*a1^6+1357/840*a4*a1*a3+19/28*a1*a7+5/12*a6*a2+69/56*a6*a1^2+19/60
*a5*a3+25/14*a5*a1^3+5/32*a4^2+71/96*a4*a2^2, nep[2,1,1,1,1,2] = 61/30*a5*a1*a2+289/60*a4*a2*a1^2+1829/360*a3*a1*a2^2+89/9
*a3*a2*a1^3+1/2*a2^4+a1^8+1/4*a8+12/5*a4*a1^4+35/36*a3^2*a2+37/18*a3^2*a1^2+18/5*a3*a1^5+4087/720*a2^3*a1^2+3689/360*a2^2*
a1^4+29/5*a2*a1^6+5/3*a4*a1*a3+1/2*a1*a7+2/3*a6*a2+11/12*a6*a1^2+1/2*a5*a3+23/15*a5*a1^3+1/4*a4^2+55/48*a4*a2^2, nep[2,1,1
,1,2,1] = 53/30*a5*a1*a2+173/40*a4*a2*a1^2+1631/360*a3*a1*a2^2+599/60*a3*a2*a1^3+5/16*a2^4+a1^8+1/4*a8+12/5*a4*a1^4+193/
180*a3^2*a2+77/30*a3^2*a1^2+59/15*a3*a1^5+1583/360*a2^3*a1^2+107/12*a2^2*a1^4+82/15*a2*a1^6+29/15*a4*a1*a3+1/2*a1*a7+1/2*
a6*a2+11/12*a6*a1^2+19/30*a5*a3+23/15*a5*a1^3+1/4*a4^2+13/16*a4*a2^2, nep[2,1,1,2,1,1] = 17/10*a5*a1*a2+71/15*a4*a2*a1^2+
371/90*a3*a1*a2^2+83/9*a3*a2*a1^3+3/8*a2^4+a1^8+1/4*a8+53/20*a4*a1^4+29/36*a3^2*a2+20/9*a3^2*a1^2+113/30*a3*a1^5+1601/360*
a2^3*a1^2+3149/360*a2^2*a1^4+323/60*a2*a1^6+2*a4*a1*a3+1/2*a1*a7+1/2*a6*a2+11/12*a6*a1^2+1/2*a5*a3+23/15*a5*a1^3+3/8*a4^2+
a4*a2^2, nep[2,1,2,1,1,1] = 59/30*a5*a1*a2+527/120*a4*a2*a1^2+311/72*a3*a1*a2^2+1657/180*a3*a2*a1^3+5/16*a2^4+a1^8+1/4*a8+
51/20*a4*a1^4+173/180*a3^2*a2+191/90*a3^2*a1^2+37/10*a3*a1^5+391/90*a2^3*a1^2+3119/360*a2^2*a1^4+107/20*a2*a1^6+53/30*a4*
a1*a3+1/2*a1*a7+1/2*a6*a2+11/12*a6*a1^2+19/30*a5*a3+26/15*a5*a1^3+1/4*a4^2+13/16*a4*a2^2, nep[2,2,1,1,1,1] = 11/6*a5*a1*a2
+9/2*a4*a2*a1^2+101/24*a3*a1*a2^2+55/6*a3*a2*a1^3+3/8*a2^4+a1^8+1/4*a8+5/2*a4*a1^4+11/12*a3^2*a2+13/6*a3^2*a1^2+11/3*a3*a1
^5+209/48*a2^3*a1^2+69/8*a2^2*a1^4+16/3*a2*a1^6+5/3*a4*a1*a3+1/2*a1*a7+2/3*a6*a2+13/12*a6*a1^2+1/2*a5*a3+5/3*a5*a1^3+1/4*
a4^2+49/48*a4*a2^2, nep[3,1,1,1,1,1] = 39/20*a5*a1*a2+367/80*a4*a2*a1^2+319/80*a3*a1*a2^2+1109/120*a3*a2*a1^3+35/128*a2^4+
a1^8+3/8*a8+101/40*a4*a1^4+29/40*a3^2*a2+91/40*a3^2*a1^2+221/60*a3*a1^5+681/160*a2^3*a1^2+4147/480*a2^2*a1^4+641/120*a2*a1
^6+79/40*a4*a1*a3+3/4*a1*a7+1/2*a6*a2+9/8*a6*a1^2+11/20*a5*a3+17/10*a5*a1^3+9/32*a4^2+23/32*a4*a2^2, nep[1,1,1,1,1,2] =
-143/84*a5*a1*a2-1499/336*a4*a2*a1^2-22873/5040*a3*a1*a2^2-4819/504*a3*a2*a1^3-55/128*a2^4-a1^8-1/8*a8-657/280*a4*a1^4-263

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/360*a3^2*a2-4769/2520*a3^2*a1^2-499/140*a3*a1^5-10945/2016*a2^3*a1^2-101963/10080*a2^2*a1^4-1619/280*a2*a1^6-1157/840*a4*
a1*a3-11/28*a1*a7-5/12*a6*a2-139/168*a6*a1^2-19/60*a5*a3-307/210*a5*a1^3-5/32*a4^2-83/96*a4*a2^2, nep[1,1,1,1,1,2,1] = -\
617/420*a5*a1*a2-2237/560*a4*a2*a1^2-6803/1680*a3*a1*a2^2-8111/840*a3*a2*a1^3-35/128*a2^4-a1^8-1/8*a8-657/280*a4*a1^4-97/
120*a3^2*a2-1991/840*a3^2*a1^2-1637/420*a3*a1^5-14093/3360*a2^3*a1^2-5909/672*a2^2*a1^4-4577/840*a2*a1^6-1339/840*a4*a1*a3
-11/28*a1*a7-1/3*a6*a2-139/168*a6*a1^2-23/60*a5*a3-307/210*a5*a1^3-5/32*a4^2-61/96*a4*a2^2, nep[1,1,1,1,2,1,1] = -201/140*
a5*a1*a2-7369/1680*a4*a2*a1^2-3715/1008*a3*a1*a2^2-22429/2520*a3*a2*a1^3-41/128*a2^4-a1^8-1/8*a8-727/280*a4*a1^4-223/360*
a3^2*a2-5119/2520*a3^2*a1^2-1567/420*a3*a1^5-42811/10080*a2^3*a1^2-86941/10080*a2^2*a1^4-4507/840*a2*a1^6-1367/840*a4*a1*
a3-11/28*a1*a7-1/3*a6*a2-139/168*a6*a1^2-19/60*a5*a3-307/210*a5*a1^3-7/32*a4^2-73/96*a4*a2^2, nep[1,1,1,2,1,1,1] = -701/
420*a5*a1*a2-6823/1680*a4*a2*a1^2-3869/1008*a3*a1*a2^2-22373/2520*a3*a2*a1^3-35/128*a2^4-a1^8-1/8*a8-699/280*a4*a1^4-251/
360*a3^2*a2-4853/2520*a3^2*a1^2-513/140*a3*a1^5-41747/10080*a2^3*a1^2-86087/10080*a2^2*a1^4-1493/280*a2*a1^6-1199/840*a4*
a1*a3-11/28*a1*a7-1/3*a6*a2-139/168*a6*a1^2-23/60*a5*a3-349/210*a5*a1^3-5/32*a4^2-61/96*a4*a2^2, nep[1,1,2,1,1,1,1] = -631
/420*a5*a1*a2-2321/560*a4*a2*a1^2-2053/560*a3*a1*a2^2-495/56*a3*a2*a1^3-39/128*a2^4-a1^8-1/8*a8-137/56*a4*a1^4-27/40*a3^2*
a2-561/280*a3^2*a1^2-305/84*a3*a1^5-13799/3360*a2^3*a1^2-28537/3360*a2^2*a1^4-893/168*a2*a1^6-1157/840*a4*a1*a3-11/28*a1*
a7-5/12*a6*a2-167/168*a6*a1^2-19/60*a5*a3-67/42*a5*a1^3-5/32*a4^2-71/96*a4*a2^2, nep[1,2,1,1,1,1,1] = -227/140*a5*a1*a2-\
7003/1680*a4*a2*a1^2-18677/5040*a3*a1*a2^2-22213/2520*a3*a2*a1^3-35/128*a2^4-a1^8-1/8*a8-677/280*a4*a1^4-223/360*a3^2*a2-\
5149/2520*a3^2*a1^2-1517/420*a3*a1^5-41347/10080*a2^3*a1^2-85339/10080*a2^2*a1^4-4457/840*a2*a1^6-1327/840*a4*a1*a3-15/28*
a1*a7-1/3*a6*a2-53/56*a6*a1^2-19/60*a5*a3-109/70*a5*a1^3-5/32*a4^2-61/96*a4*a2^2, nep[2,1,1,1,1,1,1] = -17/10*a5*a1*a2-503
/120*a4*a2*a1^2-1409/360*a3*a1*a2^2-317/36*a3*a2*a1^3-5/16*a2^4-a1^8-1/4*a8-12/5*a4*a1^4-29/36*a3^2*a2-37/18*a3^2*a1^2-18/
5*a3*a1^5-187/45*a2^3*a1^2-761/90*a2^2*a1^4-53/10*a2*a1^6-5/3*a4*a1*a3-1/2*a1*a7-1/2*a6*a2-11/12*a6*a1^2-1/2*a5*a3-23/15*
a5*a1^3-1/4*a4^2-13/16*a4*a2^2, nep[1,1,1,1,1,1,1,1] = 201/140*a5*a1*a2+6529/1680*a4*a2*a1^2+3547/1008*a3*a1*a2^2+21449/
2520*a3*a2*a1^3+35/128*a2^4+a1^8+1/8*a8+657/280*a4*a1^4+223/360*a3^2*a2+4769/2520*a3^2*a1^2+499/140*a3*a1^5+40081/10080*a2
^3*a1^2+84071/10080*a2^2*a1^4+1479/280*a2*a1^6+1157/840*a4*a1*a3+11/28*a1*a7+1/3*a6*a2+139/168*a6*a1^2+19/60*a5*a3+307/210
*a5*a1^3+5/32*a4^2+61/96*a4*a2^2
] : ##
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