

```

F1 := 22*y[1]-28*y[8]-52/15*y[9]-8/3*y[10]-28*y[11]+28*y[12]-52/3*y[13]-190/3*
y[21]-60*y[22]+205/2*y[23]-290/3*y[24]-45*y[25]+140*y[26]-10*y[27]+44*y[28]-72
*y[29]-48*y[30]+54*y[32]-72*y[33]+56*y[34]+84*y[36];
F2 := 198*y[1]-24*y[8]-96/5*y[9]-20*y[10]-60*y[11]+36*y[12]+16*y[13]+215*y[21]
-240*y[22]-585/2*y[23]+100*y[24]+132*y[25]+1290*y[26]-360*y[27]-582*y[28]-324*
y[29]-96*y[30]-144*y[31]+162*y[32]+108*y[33]-56*y[35]+252*y[36]+336*y[37];
F3 := -50/3*y[1]-55/3*y[2]-20/3*y[7]+20/3*y[14]-35/3*y[15]-56/3*y[16]+25*y[19]
-40/3*y[20]+88*y[31]-165/2*y[32]+55*y[33]-220/3*y[34]-55/3*y[35]+55/2*y[36];
F4 := 10*y[1]-11*y[2]+4*y[7]-7/5*y[14]+33/2*y[15]+9/2*y[16]-10*y[17]+11/2*y[18]
-27/4*y[19]+4*y[20]+21*y[29]-44/5*y[30]+117/5*y[31]+153/4*y[32]-105/2*y[33]+
27*y[34]-17/2*y[35]-81/4*y[36]+29*y[37];
F5 := 10*y[1]-22/3*y[2]+56/3*y[7]-74/15*y[14]+2/3*y[15]+88/3*y[16]-18*y[17]-11
/3*y[18]-93/2*y[19]+110/3*y[20]+68*y[29]-428/15*y[30]+78/5*y[31]+84*y[32]-124*
y[33]+64*y[34]-50/3*y[35]-5*y[36]+12*y[37];
F6 := 5*y[2]-16*y[3]+20/3*y[8]-5/3*y[9]+5/3*y[10]-10*y[11]+20/3*y[12]+5/3*y[13]
+10*y[15]+14/3*y[16]+20*y[17]-35/3*y[18]-10*y[19]+20/3*y[20]-25*y[21]+125/3*y
[22]-25*y[23];
F7 := -25/4*y[2]-48*y[3]-55/2*y[8]-55/12*y[9]-5/12*y[10]+5*y[12]+35/12*y[13]+7
/3*y[14]-105/2*y[15]+77/6*y[16]-5*y[17]+35/12*y[18]+45/2*y[19]-20*y[20]+25/4*y
[21]-125/4*y[22]+75/2*y[23]-250/3*y[24]+75/2*y[25]+125*y[26];
F8 := 14/3*y[2]+136/5*y[3]-2*y[8]+5/9*y[9]-38/9*y[10]-5/2*y[11]-2/3*y[12]-7/9*
y[13]-133/45*y[14]-20*y[15]-238/45*y[16]-50/3*y[17]+169/18*y[18]+19/2*y[19]-2*
y[20]+35/6*y[21]-25*y[22]+115/4*y[23]-250/9*y[24]+15/2*y[25]-25/3*y[26]-15*y[
27]+50*y[28];
F9 := 59/12*y[2]+304/5*y[3]-13/2*y[8]+185/36*y[9]-317/36*y[10]-y[11]-5/3*y[12]
-493/36*y[13]-427/45*y[14]-55/2*y[15]-1379/90*y[16]-125/3*y[17]+1007/36*y[18]+
61/2*y[19]-8*y[20]+85/12*y[21]-175/4*y[22]+55*y[23]-400/9*y[24]+15/2*y[25]-175
/3*y[26]+50*y[28];
F10 := -44/7*y[1]+330/7*y[4]+90/7*y[21]-10*y[22]-30/7*y[23]+30*y[24]-78/7*y[25]
-150/7*y[26]+162/7*y[27]-390/7*y[28]+330/7*y[38]+66/35*y[39]-594/7*y[40];
F11 := -30*y[4]-10*y[5]-8*y[8]+8*y[11]-4*y[12]-36*y[29]+56/5*y[30]-192/5*y[31]
-18*y[32]+36*y[33]+32/3*y[34]-10*y[38]+12*y[39]+20*y[40];
F12 := -21/4*y[2]+45/2*y[5]-1/2*y[8]-2*y[10]-11/2*y[11]+5/2*y[12]+9*y[29]+7*y[
30]+12*y[31]+45/4*y[32]-27/2*y[33]-10/3*y[34]-8*y[35]+12*y[37]+50*y[38]-9*y[39]
+5*y[40];
F13 := -31/9*y[2]-70/3*y[4]+110/3*y[5]+34/9*y[8]+64/45*y[9]-8/9*y[10]-2*y[11]-\
2/9*y[12]+76/3*y[29]+308/45*y[30]+208/15*y[31]+7*y[32]-10*y[33]-56/3*y[34]-16/
3*y[35]+55/3*y[38]-40/3*y[39]+170/3*y[40];
F14 := -55/12*y[2]-10*y[4]+85/2*y[5]+53/6*y[8]-8/15*y[9]-2/3*y[10]-11/2*y[11]-\
1/6*y[12]+8*y[13]+37*y[29]+77/15*y[30]+172/5*y[31]+21/4*y[32]-27/2*y[33]-70/3*
y[34]-10*y[35]-21*y[36]+16*y[37]+15*y[38]-7*y[39]+25*y[40];
F15 := 84*y[3]-225/2*y[5]-25*y[21]-375/4*y[22]+525/4*y[23]+25/2*y[24]-105*y[25]
-225/2*y[26]-75/2*y[27]+465/2*y[28];
F16 := 90*y[3]-105/4*y[5]-25*y[21]-1575/8*y[22]+2025/8*y[23]-75/4*y[24]-165*y[
25]-45/4*y[26]-15/4*y[27]+645/4*y[28];
F17 := 50/9*y[5]+112*y[6]-56/9*y[14]-80/9*y[15]+40/9*y[17]+10*y[19]+10*y[29]+
28/9*y[30]-4/3*y[31]-10*y[32]+70/3*y[33]-280/9*y[34]-70/3*y[36]+140/9*y[37];
F18 := 50*y[5]+216*y[6]-8*y[14]-8*y[16]+10*y[20]-14*y[30]+6*y[31]-30*y[34]+10/
3*y[35]-15*y[36]+10*y[37];
F19 := 22*y[7]+220/3*y[41]-50*y[42]+50*y[43]-99*y[44]-69/2*y[45]-46/3*y[46]-92
/3*y[47]-70*y[48]+42*y[49]+56*y[50]-56*y[51]-28*y[52]+81*y[53]-84*y[54]+36*y[
55]-24*y[56]-75*y[57]-84*y[58];
F20 := -22/7*y[7]-7/3*y[8]+52/21*y[9]+26/21*y[10]+65/7*y[11]-13/3*y[12]-36/7*y
[13]-165/7*y[44]+15*y[59]-45/7*y[60]-360/7*y[61]+460/21*y[62]+230/21*y[63]-250
/21*y[64]-625/21*y[65]+135/7*y[66]-460/7*y[67]+1080/7*y[68]-230/7*y[69]-45*y[
70];
F21 := 26*y[1]-16*y[7]-18*y[8]-107/10*y[9]-11/2*y[10]+16*y[11]-8*y[12]-13/2*y[
13]-160*y[42]-440/3*y[43]+24*y[44]-21/2*y[45]+115/2*y[46]+323/3*y[47]+590/3*y[
48]-218*y[49]+40*y[50]+46/3*y[51]-35/2*y[59]+75/2*y[60]-105*y[61]+455/6*y[62]+
30*y[63]+11/2*y[64]-20*y[65]+225/2*y[66]+455/2*y[67]-315*y[68]+90*y[69]-105/2*
y[70]+115*y[71]-45*y[72]+32*y[73]-30*y[74]-99/5*y[75]-175/3*y[76]+850/3*y[77]+
490/3*y[78]-793/3*y[79]+120*y[80]+57*y[81];
F22 := -42*y[1]-12/7*y[7]+2*y[8]+669/35*y[9]+13/7*y[10]-18/7*y[11]-y[12]+23/7*
y[13]+210*y[42]+120*y[43]+99/7*y[44]-96*y[45]-155/2*y[46]-67*y[47]-190*y[48]+
213*y[49]-13*y[50]-53*y[51]+45/2*y[59]-225/7*y[60]+90/7*y[61]-365/7*y[62]+115/
7*y[63]+8/7*y[64]-295/7*y[65]-270/7*y[66]-2475/7*y[67]+3510/7*y[68]-345/7*y[69]
-135/2*y[70]-105*y[71]+135*y[72]-7*y[73]-80*y[74]+24/5*y[75]+35*y[76]-440*y[
77]-140*y[78]+304*y[79]-85*y[80]-57*y[81];

```

F23 := 68*y[1]-52*y[7]-18*y[8]-48/5*y[9]-22*y[10]+16*y[11]-8*y[12]-56*y[13]-\
220*y[42]-1040/3*y[43]+96*y[44]-168*y[45]+75*y[46]+164/3*y[47]+1550/3*y[48]-\
512*y[49]+112*y[50]+64/3*y[51]-70*y[59]+105*y[60]-240*y[61]+400/3*y[62]+120*y[
63]+60*y[64]-20*y[65]+315*y[66]+400*y[67]-720*y[68]+360*y[69]-210*y[70]+250*y[
71]+90*y[72]+114*y[73]-280*y[74]-348/5*y[75]-490/3*y[76]+2080/3*y[77]+1120/3*y
[78]-1216/3*y[79]+200*y[80]+81*y[81];
F24 := -32/3*y[1]+16/21*y[7]-7/3*y[8]+463/210*y[9]-17/14*y[10]+38/21*y[11]-5/3
*y[12]-115/42*y[13]+25/3*y[42]+530/9*y[43]-44/7*y[44]-19*y[45]-40/3*y[46]-337/
18*y[47]-500/9*y[48]+188/3*y[49]-28/3*y[50]-70/9*y[51]+40/3*y[59]-110/7*y[60]+
65/7*y[61]-1805/126*y[62]+290/21*y[63]-125/21*y[64]-365/21*y[65]-195/7*y[66]-\
4565/42*y[67]+1275/7*y[68]+60/7*y[69]-5*y[70]-65/6*y[71]+15*y[72]+1/3*y[73]-35
/2*y[74]-33/10*y[75]+175/9*y[76]-1180/9*y[77]-490/9*y[78]+760/9*y[79]-40*y[80]
-19*y[81];
F25 := 12*y[1]+170/7*y[7]+23*y[8]+186/35*y[9]+111/7*y[10]+486/7*y[11]-50*y[12]
+226/7*y[13]-80*y[42]+185/3*y[43]-132/7*y[44]-9*y[45]-4*y[46]-68/3*y[47]-50/3*
y[48]+65*y[49]-16*y[50]+202/3*y[51]+5*y[59]-135/14*y[60]-540/7*y[61]+230/7*y[
62]+150/7*y[63]-125/7*y[64]+55/7*y[65]+405/14*y[66]-690/7*y[67]+1620/7*y[68]-\
240/7*y[69]-120*y[70]+80*y[71]-38*y[73]-80*y[74]+146/5*y[75]+35/2*y[76]-40*y[
77]+140*y[78]-40*y[80]-19*y[81];
F26 := -110/3*y[1]+814/21*y[7]+217/3*y[8]+572/21*y[9]+629/21*y[10]+1844/21*y[
11]-74*y[12]+1360/21*y[13]+610/3*y[42]+2240/9*y[43]-44/7*y[44]-94*y[45]-665/6*
y[46]-1280/9*y[47]-2795/9*y[48]+1340/3*y[49]-340/3*y[50]+668/9*y[51]+395/6*y[
59]-1165/14*y[60]-880/7*y[61]-220/63*y[62]+1270/21*y[63]-359/7*y[64]-250/7*y[
65]-1335/14*y[66]-11260/21*y[67]+6000/7*y[68]-570/7*y[69]-325/2*y[70]-70/3*y[
71]+150*y[72]-224/3*y[73]-190*y[74]+276/5*y[75]+1925/18*y[76]-5680/9*y[77]+140
/9*y[78]+3496/9*y[79]-280*y[80]-133*y[81];
F27 := -895/101*y[2]+1680/101*y[8]+1105/101*y[9]+5/101*y[10]-600/101*y[11]+755
/101*y[12]-4025/101*y[13]-317/101*y[14]+11400/101*y[15]-424/101*y[16]+1080/101
*y[17]-2835/202*y[18]-5850/101*y[19]+480/101*y[20]+2440/303*y[41]-71120/303*y[
52]-7680/101*y[53]+58800/101*y[54]+3180/101*y[55]-8884/101*y[56]+6700/101*y[57
]-12980/303*y[58]-2175/101*y[59]-925/101*y[60]+24400/101*y[61]-23125/101*y[62]
-5250/101*y[63]+6700/101*y[64]+11375/101*y[65]+4975/101*y[66]+64125/101*y[67]-\
66800/101*y[68]-23750/303*y[69]+14850/101*y[70]-5875/101*y[71]+3750/101*y[72]-\
15*y[75]-2550/101*y[76]+9000/101*y[77]-7125/101*y[78]+4600/101*y[79]+7500/101*
y[80]-2700/101*y[81];
F28 := 4*y[8]-8/3*y[9]+2/3*y[10]-6*y[11]+4*y[12]-46/15*y[14]+32*y[15]-176/15*y
[16]-16/3*y[17]+11/3*y[18]-6*y[19]+4*y[20]+16/3*y[41]+32/3*y[52]+162*y[53]-32*
y[54]-56/5*y[56]+10*y[57]-32/3*y[58]-5*y[59]-50/3*y[60]+160/3*y[61]-200/3*y[62
]+100/9*y[63]+10/3*y[64]+30*y[66]-100*y[69]+45*y[70]-15/2*y[76];
F29 := -6*y[8]+10*y[9]+6*y[11]+2*y[12]-30*y[13]+72*y[15]+8*y[17]-11*y[18]-48*y
[19]+11*y[20]-160*y[52]-180*y[53]+480*y[54]-45/2*y[59]-5*y[60]+160*y[61]-150*y
[62]-50/3*y[63]+50*y[64]+100*y[65]+15*y[66]+450*y[67]-480*y[68]+50*y[69]+135/2
*y[70];
F30 := -5/6*y[9]+5/6*y[10]+5/2*y[13]-7/3*y[14]+10*y[15]-11/3*y[16]-20/3*y[17]+
55/12*y[18]+20/3*y[52]+90*y[53]-20*y[54]-25/4*y[59]-25/3*y[60]+50/3*y[61]-125/
6*y[62]+125/9*y[63]+25/6*y[64]+25*y[66]+125/2*y[67]-50*y[68]-125/3*y[69]+75/4*
y[70];
F31 := -475/101*y[2]+570/101*y[8]+803/606*y[9]-1595/606*y[10]-420/101*y[11]+
377/101*y[12]-4019/202*y[13]-3076/1515*y[14]+3536/101*y[15]-1826/1515*y[16]-\
358/303*y[17]-6655/1212*y[18]-2277/101*y[19]+336/101*y[20]-716/303*y[41]-8380/
101*y[52]+7350/101*y[53]+16516/101*y[54]+408/101*y[55]-23216/505*y[56]+1660/
101*y[57]-13328/303*y[58]-5585/404*y[59]-2195/303*y[60]+29020/303*y[61]-56725/
606*y[62]-12875/909*y[63]+18545/606*y[64]+4175/101*y[65]+2725/101*y[66]+44325/
202*y[67]-22520/101*y[68]-16625/303*y[69]+18855/404*y[70]-2850/101*y[71]+3130/
101*y[72]-5*y[73]-25*y[74]-2055/202*y[76]+8800/303*y[77]-2715/101*y[78]+1200/
101*y[79]+5250/101*y[80]-1890/101*y[81];
F32 := 585/202*y[2]+255/101*y[8]+1735/404*y[9]+2005/404*y[10]+450/101*y[11]-\
375/202*y[12]+1975/404*y[13]-343/101*y[14]+8115/101*y[15]-1904/101*y[16]+2725/
101*y[17]-2605/808*y[18]-315/202*y[19]-360/101*y[20]+3430/101*y[41]-1410/101*y
[52]+1215/101*y[53]+13470/101*y[54]-6930/101*y[55]+7572/101*y[56]-5025/101*y[
57]+4760/101*y[58]+5475/808*y[59]-4925/202*y[60]+6950/101*y[61]-31625/404*y[62
]-1625/606*y[63]-2425/404*y[64]+1875/202*y[65]-3675/202*y[66]+34875/404*y[67]-\
10500/101*y[68]-13375/202*y[69]+69975/808*y[70]-10125/202*y[71]+975/101*y[72]-\
1875/101*y[76]-6750/101*y[77]+3450/101*y[78]-925/101*y[79]-5625/101*y[80]+2025
/101*y[81];
F33 := 1405/101*y[2]-1080/101*y[8]-5099/606*y[9]+731/606*y[10]-480/101*y[11]-2
/101*y[12]+7195/202*y[13]+2761/1515*y[14]+1444/101*y[15]-25894/1515*y[16]+5218
/303*y[17]+3865/1212*y[18]+2592/101*y[19]+384/101*y[20]+5588/303*y[41]+14028/

$101*y[52]+22944/101*y[53]-47092/101*y[54]-2304/101*y[55]+20216/505*y[56]-9790/101*y[57]+28400/303*y[58]+10715/404*y[59]-4240/303*y[60]-28300/303*y[61]+53125/606*y[62]+10175/909*y[63]-33995/606*y[64]-6050/101*y[65]-5110/101*y[66]-\backslash$
 $101925/202*y[67]+55640/101*y[68]-26575/303*y[69]-11565/404*y[70]-2175/101*y[71]+980/101*y[72]-2565/202*y[76]-59200/303*y[77]+7935/101*y[78]-4400/101*y[79]-\backslash$
 $9150/101*y[80]+3900/101*y[81];$
 $F34 := 380/101*y[2]+150/101*y[8]-200/303*y[9]-1180/303*y[10]-3300/101*y[11]+1880/101*y[12]+840/101*y[13]+6940/303*y[14]+12200/101*y[15]-1744/303*y[16]+21860/303*y[17]-9880/303*y[18]-4905/101*y[19]+2640/101*y[20]+7360/303*y[41]-\backslash$
 $7840/101*y[52]+12300/101*y[53]-20000/101*y[54]+8400/101*y[55]+5072/101*y[56]-\backslash$
 $38900/101*y[57]-32000/303*y[58]+1325/202*y[59]-14000/303*y[60]+59200/303*y[61]-47000/303*y[62]-20000/909*y[63]-5600/303*y[64]+5750/101*y[65]-14300/101*y[66]-45000/101*y[67]+56800/101*y[68]-17000/303*y[69]+4275/202*y[70]-750/101*y[71]+2950/101*y[72]-5325/202*y[76]-104000/303*y[77]-5100/101*y[78]+15200/101*y[79]-\backslash$
 $9250/101*y[80]+7875/101*y[81];$
 $F35 := 405/101*y[2]-1092/101*y[8]-592/101*y[9]+224/101*y[10]+390/101*y[11]-112/101*y[12]+1278/101*y[13]-712/505*y[14]+2892/101*y[15]-13772/505*y[16]-1712/101*y[17]+2979/202*y[18]+924/101*y[19]-211/101*y[20]+2232/101*y[41]+7464/101*y[52]+20142/101*y[53]-15192/101*y[54]+660/101*y[55]-7386/505*y[56]+5745/101*y[57]+6886/101*y[58]+555/202*y[59]-2050/101*y[60]-1720/101*y[61]-750/101*y[62]+8975/303*y[63]-1830/101*y[64]-2975/101*y[65]+2700/101*y[66]-5700/101*y[67]+5040/101*y[68]-10425/101*y[69]+7965/202*y[70]-600/101*y[71]-165/101*y[72]-615/101*y[76]-800/101*y[77]+3495/101*y[78]-4000/101*y[79]-4875/101*y[80]+1755/101*y[81];$
 $F36 := -310/101*y[2]-436/101*y[8]+716/303*y[9]-2684/303*y[10]-1720/101*y[11]+1390/101*y[12]-3492/101*y[13]+2428/1515*y[14]-4488/101*y[15]+18128/1515*y[16]-\backslash$
 $3236/303*y[17]-20/303*y[18]+501/101*y[19]-1048/101*y[20]-2432/303*y[41]-11848/101*y[52]-7674/101*y[53]+15848/101*y[54]+4672/101*y[55]-26472/505*y[56]-5370/101*y[57]-9216/101*y[58]-1690/101*y[59]+4670/303*y[60]+15920/303*y[61]-9500/303*y[62]-19300/909*y[63]+12170/303*y[64]+5675/101*y[65]+290/101*y[66]+19700/101*y[67]-19120/101*y[68]+24500/303*y[69]-2880/101*y[70]-850/101*y[71]+1660/101*y[72]+770/101*y[76]+5600/101*y[77]-5780/101*y[78]+3200/303*y[79]+6350/101*y[80]-1680/101*y[81];$
 $F37 := -16/3*y[3]-4*y[14]+40/3*y[15]-2*y[16]+20/3*y[17]+5/3*y[18]+10*y[19]-10/3*y[20]-250/3*y[42]+50*y[43]+30*y[44]-80/3*y[45]+20/3*y[46]+445/9*y[47]-100/9*y[48]+10*y[49]+20/9*y[50]+80/9*y[51];$
 $F38 := 96/5*y[3]+6/5*y[14]+24*y[15]-42/5*y[16]-9*y[19]+3*y[20]-90*y[44]+75/2*y[45]-25*y[47]-50*y[48]+30*y[49]+10*y[50]-30*y[51];$
 $F39 := 24/5*y[3]+54/5*y[14]+60*y[15]+72/5*y[16]+6*y[17]-27*y[18]-189/2*y[19]+93/2*y[20]+45*y[42]-10*y[43]-135*y[44]+39/4*y[45]-21*y[46]-67*y[47]-30*y[48]-\backslash$
 $12*y[49]+50*y[50]-54*y[51];$
 $F40 := -279*y[4]+3329/20*y[8]+467/50*y[9]+111/2*y[10]-831/20*y[11]+58/5*y[12]+1007/10*y[13]+99*y[21]-179/2*y[22]+603/2*y[23]+409*y[24]-3243/10*y[25]+180*y[26]-441*y[27]+717/5*y[28]+33/4*y[59]+33*y[60]-36*y[63]+98/5*y[64]+37*y[65]+99*y[66]-108*y[69]+99/4*y[70]+120*y[71]-282*y[72]+649/5*y[73]+34*y[74]-924/25*y[75]+5/2*y[76]+248*y[77]+710*y[78]-2604/5*y[79]-16*y[80]+423/5*y[81]+296/5*y[82]+1439/10*y[83]+333*y[84]-2155*y[85];$
 $F41 := -696*y[4]+2242/5*y[8]+1486/75*y[9]+442/3*y[10]-548/5*y[11]+136/5*y[12]+4166/15*y[13]+268*y[21]-274*y[22]+793*y[23]+3224/3*y[24]-4238/5*y[25]+580*y[26]-1176*y[27]+1664/5*y[28]+24*y[59]+96*y[60]-256/3*y[63]+728/15*y[64]+64*y[65]+288*y[66]-256*y[69]+72*y[70]+280*y[71]-764*y[72]+1888/5*y[73]+48*y[74]-3248/25*y[75]-5/3*y[76]+2048/3*y[77]+5480/3*y[78]-19264/15*y[79]-16/3*y[80]+1066/5*y[81]+2306/15*y[82]+5947/15*y[83]+4012/5*y[84]-15580/3*y[85];$
 $F42 := -288*y[4]+2079/10*y[8]+307/25*y[9]+65*y[10]-531/10*y[11]+66/5*y[12]+607/5*y[13]+138*y[21]-69*y[22]+531/2*y[23]+548*y[24]-1863/5*y[25]+240*y[26]-522*y[27]+504/5*y[28]+9*y[59]+36*y[60]+20*y[62]-32*y[63]+146/5*y[64]+24*y[65]+108*y[66]+60*y[67]-96*y[69]+27*y[70]+120*y[71]-354*y[72]+758/5*y[73]+38*y[74]-1008/25*y[75]+45/2*y[76]+336*y[77]+780*y[78]-2968/5*y[79]+18*y[80]+381/5*y[81]+402/5*y[82]+834/5*y[83]+294*y[84]-2250*y[85];$
 $F43 := -2709/2*y[4]+4319/5*y[8]+4709/150*y[9]+1699/6*y[10]-2167/10*y[11]+262/5*y[12]+16609/30*y[13]+506*y[21]-568*y[22]+3117/2*y[23]+2011*y[24]-16137/10*y[25]+1185*y[26]-2276*y[27]+3473/5*y[28]+237/4*y[59]+197*y[60]+40*y[61]-542/3*y[63]+1421/15*y[64]+271/2*y[65]+501*y[66]-160*y[67]-402*y[69]+501/4*y[70]+530*y[71]-1468*y[72]+11273/15*y[73]+68/3*y[74]-6636/25*y[75]-20*y[76]+3736/3*y[77]+3550*y[78]-36428/15*y[79]-34*y[80]+2122/5*y[81]+4402/15*y[82]+23263/30*y[83]+7874/5*y[84]-30110/3*y[85];$
 $F44 := -216*y[4]+1301/10*y[8]+569/75*y[9]+127/3*y[10]-419/10*y[11]+74/5*y[12]+1189/15*y[13]+72*y[21]-97/2*y[22]+813/4*y[23]+317*y[24]-1212/5*y[25]+120*y[26]$

$-334*y[27]+601/5*y[28]+9/4*y[59]+9*y[60]+10*y[62]+26/3*y[63]+217/15*y[64]+17/2*y[65]+57*y[66]-20*y[67]-54*y[69]+57/4*y[70]+100*y[71]-221*y[72]+1441/15*y[73]-89/3*y[74]-252/25*y[75]+55/4*y[76]+512/3*y[77]+570*y[78]-6076/15*y[79]-28*y[80]+643/10*y[81]+1573/30*y[82]+6637/60*y[83]+1141/5*y[84]-5305/3*y[85];$
 $F45 := 85/2*y[4]-509/30*y[8]+743/450*y[9]-131/18*y[10]+13/15*y[11]+14/15*y[12]-1397/90*y[13]-y[21]+48*y[22]-91*y[23]-43/3*y[24]+437/10*y[25]-35*y[26]+172/3*y[27]-769/15*y[28]-17/4*y[59]-17*y[60]+166/9*y[63]-133/45*y[64]-83/6*y[65]-21*y[66]+160/3*y[67]+40*y[68]+26/3*y[69]+19/4*y[70]-50/3*y[71]+74/3*y[72]-1189/45*y[73]-64/9*y[74]+476/25*y[75]+95/6*y[76]-248/9*y[77]-290/3*y[78]+2044/45*y[79]+22/3*y[80]-311/15*y[81]+109/45*y[82]-1072/45*y[83]-1138/15*y[84]+2110/9*y[85];$
 $F46 := -65*y[4]+2857/60*y[8]+943/450*y[9]+263/18*y[10]-883/60*y[11]+64/15*y[12]+2663/90*y[13]+29*y[21]-17*y[22]+241/4*y[23]+352/3*y[24]-833/10*y[25]+80*y[26]-373/3*y[27]+376/15*y[28]+2*y[59]+8*y[60]-34/9*y[63]+217/45*y[64]+17/6*y[65]+14*y[66]+50/3*y[67]+46/3*y[69]+7/2*y[70]+80/3*y[71]-251/3*y[72]+1786/45*y[73]-149/9*y[74]-224/25*y[75]+65/12*y[76]+632/9*y[77]+560/3*y[78]-5656/45*y[79]+2/3*y[80]+553/30*y[81]+2143/90*y[82]+7477/180*y[83]+862/15*y[84]-4570/9*y[85];$
 $F47 := -885/2*y[4]+1139/4*y[8]+36/5*y[9]+275/3*y[10]-291/4*y[11]+18*y[12]+538/3*y[13]+170*y[21]-185*y[22]+1905/4*y[23]+695*y[24]-534*y[25]+375*y[26]-735*y[27]+177*y[28]+65/4*y[59]+65*y[60]-140/3*y[63]+28*y[64]+35*y[65]+195*y[66]-140*y[69]+195/4*y[70]+150*y[71]-485*y[72]+767/3*y[73]+10/3*y[74]-504/5*y[75]-25/4*y[76]+1120/3*y[77]+1150*y[78]-784*y[79]-40/3*y[80]+271/2*y[81]+187/2*y[82]+1023/4*y[83]+518*y[84]-3250*y[85];$
 $F48 := -145*y[4]+679/6*y[8]+136/45*y[9]+250/9*y[10]-331/6*y[11]+22*y[12]+536/9*y[13]+80*y[21]-70/3*y[22]+185/2*y[23]+330*y[24]-186*y[25]+150*y[26]-910/3*y[27]+74/3*y[28]+5/2*y[59]+10*y[60]+20/9*y[63]+98/9*y[64]-5/3*y[65]+30*y[66]+20/3*y[69]+15/2*y[70]+50*y[71]-620/3*y[72]+614/9*y[73]-80/9*y[74]-56/5*y[75]+25*y[76]+1040/9*y[77]+1300/3*y[78]-2744/9*y[79]-10/3*y[80]+106/3*y[81]+631/9*y[82]+1699/18*y[83]+236/3*y[84]-11500/9*y[85];$
 $F49 := -410*y[4]+2869/12*y[8]+331/90*y[9]+1375/18*y[10]-751/12*y[11]+16*y[12]+2711/18*y[13]+115*y[21]-1045/6*y[22]+490*y[23]+1645/3*y[24]-931/2*y[25]+350*y[26]-1985/3*y[27]+457/3*y[28]+55/4*y[59]+55*y[60]-440/9*y[63]+154/9*y[64]+110/3*y[65]+165*y[66]-440/3*y[69]+165/4*y[70]+100*y[71]-1210/3*y[72]+2047/9*y[73]-340/9*y[74]-518/5*y[75]-125/6*y[76]+2320/9*y[77]+1050*y[78]-5992/9*y[79]-10*y[80]+413/3*y[81]+713/9*y[82]+2176/9*y[83]+1483/3*y[84]-26375/9*y[85];$
 $F50 := -183/2*y[4]+347/5*y[8]+347/150*y[9]+121/6*y[10]-241/10*y[11]+36/5*y[12]+1327/30*y[13]+28*y[21]-13/2*y[22]+327/4*y[23]+178*y[24]-1281/10*y[25]+105*y[26]-170*y[27]+104/5*y[28]+3/2*y[59]+6*y[60]+4/3*y[63]+98/15*y[64]-y[65]+18*y[66]+4*y[69]+9/2*y[70]+30*y[71]-109*y[72]+794/15*y[73]-106/3*y[74]-168/25*y[75]+15/4*y[76]+208/3*y[77]+290*y[78]-2744/15*y[79]-2*y[80]+287/10*y[81]+977/30*y[82]+3203/60*y[83]+389/5*y[84]-2285/3*y[85];$
 $F51 := 15*y[5]-1619/780*y[14]-569/156*y[15]-899/390*y[16]-568/39*y[17]+284/39*y[18]+3*y[19]-2*y[20]-3473/312*y[21]+2269/104*y[22]-395/26*y[23]+4561/156*y[24]-1669/156*y[25]-1539/52*y[26]+121/26*y[27]-328/13*y[28]+405/52*y[29]-36/65*y[30]+324/65*y[31]-9/2*y[32]-5/26*y[33]+192/13*y[34]+5*y[35]-15/2*y[36]-49/13*y[42]+20*y[43]+70/13*y[44]+87/26*y[45]+23/13*y[46]-367/26*y[48]+132/13*y[49]-48/13*y[50]-102/13*y[51]+987/416*y[59]+3/13*y[60]-11*y[61]+185/52*y[62]+383/156*y[63]-287/52*y[64]-893/208*y[65]+11/39*y[66]+579/52*y[67]-1463/39*y[68]+1165/156*y[69]+261/32*y[70]+839/104*y[71]-107/26*y[72]+265/26*y[73]-457/104*y[74]-63/26*y[75]-109/52*y[76]+94/13*y[77]+451/52*y[78]+251/13*y[79]-287/26*y[80]+447/104*y[81];$
 $F52 := -23/52*y[14]-77/52*y[15]+82/65*y[16]-3/13*y[17]+3/26*y[18]-733/104*y[21]+1203/104*y[22]-153/52*y[23]-31/52*y[24]-34/13*y[25]-369/52*y[26]+54/13*y[27]-123/26*y[28]+405/52*y[29]-153/65*y[30]+324/65*y[31]+27/4*y[32]-126/13*y[33]+36/13*y[34]+3/13*y[42]-99/13*y[44]+63/13*y[45]+33/26*y[46]-81/26*y[48]+54/13*y[49]-48/13*y[50]-24/13*y[51]+1611/416*y[59]-43/39*y[60]-44/3*y[61]+315/52*y[62]+19/156*y[63]-131/52*y[64]-477/208*y[65]+21/13*y[66]+657/52*y[67]+132/13*y[68]-45/52*y[69]-27/32*y[70]+267/104*y[71]+57/13*y[72]+57/26*y[73]-561/104*y[74]-63/26*y[75]-57/52*y[76]-114/13*y[77]+165/52*y[78]-9/13*y[79]+51/26*y[80]-99/104*y[81];$
 $F53 := -426/7*y[5]+1558/1365*y[14]+6421/273*y[15]+1388/1365*y[16]+5498/273*y[17]-5693/546*y[18]-27/2*y[19]+12*y[20]+5675/156*y[21]-5927/91*y[22]+2579/52*y[23]-50677/546*y[24]+43067/1092*y[25]+22983/182*y[26]-1301/182*y[27]+8965/182*y[28]-9684/455*y[29]-342/455*y[30]-14004/455*y[31]+171/10*y[32]-1929/455*y[33]-22236/455*y[34]-81/5*y[35]+2901/70*y[36]-264/35*y[37]+200/13*y[42]-354/7*y[43]+1250/91*y[44]-1800/91*y[45]-451/91*y[46]-2*y[47]+4526/91*y[48]-2802/91*y[49]-144/91*y[50]+2840/91*y[51]-4905/728*y[59]+2614/273*y[60]+1166/21*y[61]-1041/91*y[62]-2875/273*y[63]+174/13*y[64]+9389/364*y[65]-974/39*y[66]-6420/91*y[67]-$

$17974/273*y[68]+8417/273*y[69]+207/56*y[70]-113/26*y[71]+1016/91*y[72]-12353/910*y[73]-43/91*y[74]+5496/2275*y[75]-1445/364*y[76]-4320/91*y[77]+3923/91*y[78]-7034/91*y[79]-2075/91*y[80]+9/65*y[81];$
 $F54 := -36*y[5]+509/260*y[14]+417/52*y[15]+329/65*y[16]+309/13*y[17]-553/52*y[18]-9/2*y[19]+6*y[20]+1551/52*y[21]-5817/104*y[22]+4179/104*y[23]-2063/26*y[24]+3459/104*y[25]+1629/26*y[26]+21/52*y[27]+2757/52*y[28]-2421/260*y[29]-114/65*y[30]-612/65*y[31]+459/20*y[32]-864/65*y[33]-1926/65*y[34]-99/10*y[35]+477/20*y[36]-54/5*y[37]+237/13*y[42]-59*y[43]-99/13*y[44]-132/13*y[45]-55/13*y[46]+7*y[47]+803/26*y[48]-219/13*y[49]-22/13*y[50]+262/13*y[51]-261/416*y[59]+3/13*y[60]+11*y[61]-725/52*y[62]-11/52*y[63]+259/52*y[64]+1239/208*y[65]+21/13*y[66]-2229/52*y[67]+561/13*y[68]-45/52*y[69]-135/32*y[70]-201/104*y[71]+239/13*y[72]-3421/260*y[73]-743/104*y[74]-93/650*y[75]-621/104*y[76]-192/13*y[77]+1179/52*y[78]-789/13*y[79]-72/13*y[80]-4161/520*y[81];$
 $F55 := -405/7*y[5]+100699/10920*y[14]+43843/2184*y[15]+6529/546*y[16]+12463/273*y[17]-48721/2184*y[18]-195/8*y[19]+17*y[20]+13717/156*y[21]-159953/1456*y[22]+17305/208*y[23]-31999/273*y[24]+221527/4368*y[25]+6147/91*y[26]+179/728*y[27]+77699/728*y[28]-25965/728*y[29]-237/455*y[30]-22527/910*y[31]+549/8*y[32]-\ 1083/91*y[33]-6081/91*y[34]-93/4*y[35]+1569/56*y[36]+6/7*y[37]+911/26*y[42]-\ 1233/14*y[43]-5431/182*y[44]+1083/182*y[45]-1011/91*y[46]+35/2*y[47]+26175/364*y[48]-10833/182*y[49]+815/91*y[50]+4639/91*y[51]-109653/5824*y[59]-965/91*y[60]+957/14*y[61]-49705/728*y[62]-4827/728*y[63]-867/104*y[64]+16879/2912*y[65]+134/39*y[66]-17109/728*y[67]+104885/546*y[68]-158239/2184*y[69]+21753/448*y[70]-14471/208*y[71]+3201/182*y[72]-11785/728*y[73]+13277/1456*y[74]-6351/1820*y[75]-22223/1456*y[76]+4612/91*y[77]-7025/728*y[78]-14243/182*y[79]-6733/182*y[80]+2853/208*y[81];$
 $F56 := -111/7*y[5]+571/520*y[14]+9701/728*y[15]-957/182*y[16]-61/13*y[17]+1929/728*y[18]-729/56*y[19]+9*y[20]+4023/364*y[21]+41595/1456*y[22]-5013/1456*y[23]-920/91*y[24]+2255/208*y[25]+276/91*y[26]+1623/728*y[27]+4839/728*y[28]-33237/3640*y[29]-2979/455*y[30]-5463/910*y[31]+14283/280*y[32]-11709/455*y[33]-\ 11391/455*y[34]-2283/140*y[35]+5409/280*y[36]+108/5*y[37]+291/26*y[42]-81/14*y[43]-843/182*y[44]+3153/182*y[45]-165/182*y[46]-1/2*y[47]+9299/364*y[48]-4401/182*y[49]-85/91*y[50]+1927/91*y[51]-75273/5824*y[59]-197/91*y[60]+201/14*y[61]-26693/728*y[62]+12993/728*y[63]-1267/104*y[64]-48309/2912*y[65]+2300/91*y[66]+15231/728*y[67]+77/26*y[68]-1201/728*y[69]+14589/448*y[70]-6765/1456*y[71]-\ 128/13*y[72]+83883/3640*y[73]-6831/1456*y[74]-100431/9100*y[75]-18763/1456*y[76]+492/91*y[77]-1741/728*y[78]+2833/182*y[79]-809/26*y[80]+251703/7280*y[81];$
 $F57 := 2/7*y[5]+1403/4095*y[14]+110/819*y[15]-11552/4095*y[16]-5246/819*y[17]+5441/1638*y[18]+1/2*y[19]-4/3*y[20]-1277/468*y[21]+5435/546*y[22]-719/156*y[23]+17035/1638*y[24]-11987/3276*y[25]-115/182*y[26]-1723/546*y[27]-5521/546*y[28]-1497/455*y[29]+1542/455*y[30]+552/455*y[31]-57/10*y[32]+3793/455*y[33]-1548/455*y[34]+7/5*y[35]-547/70*y[36]+88/35*y[37]-212/39*y[42]+118/7*y[43]+4798/273*y[44]-352/91*y[45]-11/273*y[46]-14/3*y[47]+248/273*y[48]-298/91*y[49]+760/273*y[50]+16/273*y[51]-531/182*y[59]-470/273*y[60]+22/21*y[61]-388/91*y[62]+914/273*y[63]-43/39*y[64]-113/546*y[65]+722/117*y[66]+607/91*y[67]+6886/819*y[68]-\ 7472/819*y[69]-3/28*y[70]-77/39*y[71]-2612/273*y[72]+4373/2730*y[73]+4013/546*y[74]+5518/2275*y[75]+3041/1092*y[76]-496/273*y[77]-164/273*y[78]+2554/273*y[79]-517/91*y[80]+679/130*y[81];$
 $F58 := 99/52*y[14]-175/52*y[15]+3/13*y[16]+5/13*y[17]-5/26*y[18]+615/104*y[21]-1095/104*y[22]+255/52*y[23]-35/52*y[24]+35/13*y[25]-165/52*y[26]-90/13*y[27]+465/26*y[28]-675/52*y[29]-27/13*y[30]+9/13*y[31]+225/26*y[33]-60/13*y[34]-5/13*y[42]-160/13*y[44]+25/13*y[45]-55/26*y[46]+135/26*y[48]-90/13*y[49]+80/13*y[50]+40/13*y[51]-345/416*y[59]-5/13*y[60]-395/52*y[62]+55/156*y[63]+45/52*y[64]+15/208*y[65]+155/39*y[66]-1485/52*y[67]+2200/39*y[68]-35/156*y[69]-495/32*y[70]-445/104*y[71]-95/13*y[72]-95/26*y[73]+935/104*y[74]+105/26*y[75]+95/52*y[76]+190/13*y[77]-275/52*y[78]+15/13*y[79]-85/26*y[80]+165/104*y[81];$
 $F59 := 6*y[5]-997/390*y[14]-11/78*y[15]+3/26*y[16]-349/78*y[17]+43/26*y[18]+3/8*y[19]+1/2*y[20]-9179/624*y[21]+1851/104*y[22]-2025/208*y[23]+1161/104*y[24]-\ 5231/624*y[25]-9/104*y[26]+589/104*y[27]-1657/104*y[28]+3051/260*y[29]-31/130*y[30]+24/13*y[31]-63/40*y[32]-2619/260*y[33]+851/65*y[34]+23/20*y[35]+51/40*y[36]-1/5*y[37]-35/13*y[42]+59/6*y[43]+139/26*y[44]+6/13*y[45]+407/156*y[46]-7/6*y[47]-383/39*y[48]+235/26*y[49]-205/39*y[50]-239/39*y[51]+901/104*y[59]+323/78*y[60]-55/6*y[61]+4081/156*y[62]-232/39*y[63]+11/78*y[64]-123/104*y[65]-399/26*y[66]-236/13*y[67]-935/26*y[68]+451/26*y[69]-141/16*y[70]+217/52*y[71]+137/39*y[72]+8551/1560*y[73]-2153/312*y[74]-2347/650*y[75]-135/208*y[76]-139/13*y[77]+51/52*y[78]+118/13*y[79]+201/52*y[80]-49/520*y[81];$
 $F60 := -75/7*y[5]+4553/32760*y[14]+21341/6552*y[15]+30439/8190*y[16]+6605/819*y[17]-25913/6552*y[18]-43/8*y[19]+16/3*y[20]+2161/234*y[21]-51223/4368*y[22]+6155/624*y[23]-38503/1638*y[24]+95909/13104*y[25]+5443/182*y[26]+13849/2184*y[$

27]+25201/2184*y[28]+2271/728*y[29]-159/455*y[30]+873/910*y[31]+177/8*y[32]-\
 1655/91*y[33]-829/91*y[34]-21/4*y[35]+569/56*y[36]-44/7*y[37]+601/78*y[42]-643
 /42*y[43]-2045/546*y[44]+563/182*y[45]-62/91*y[46]+25/6*y[47]+12745/1092*y[48]
 -1681/182*y[49]-225/91*y[50]+843/91*y[51]+63039/5824*y[59]-295/273*y[60]-11/14
 *y[61]+7235/728*y[62]-17237/2184*y[63]+103/312*y[64]+16889/8736*y[65]-1106/117
 *y[66]-26833/728*y[67]+103015/1638*y[68]-49409/6552*y[69]-7419/448*y[70]-11641
 /624*y[71]+1537/182*y[72]+2657/2184*y[73]-16693/4368*y[74]-1811/364*y[75]-7871
 /1456*y[76]+1772/273*y[77]-2605/728*y[78]-6953/546*y[79]-4313/546*y[80]+1033/
 208*y[81];

F61 := -73/7*y[5]+269/10920*y[14]+3583/728*y[15]-3739/2730*y[16]+118/91*y[17]+
 2861/2184*y[18]-33/56*y[19]+2*y[20]+9131/2184*y[21]+1317/1456*y[22]+5287/1456*
 y[23]-5207/364*y[24]+9537/1456*y[25]+857/52*y[26]+5199/728*y[27]+3427/728*y[28
]-28611/3640*y[29]-54/65*y[30]-471/130*y[31]+6399/280*y[32]-1617/130*y[33]-\
 4493/455*y[34]-579/140*y[35]+3177/280*y[36]-72/35*y[37]+165/26*y[42]-145/14*y[
 43]+1041/182*y[44]+283/182*y[45]-11/13*y[46]+5/6*y[47]+13955/1092*y[48]-267/26
 *y[49]-199/273*y[50]+2689/273*y[51]+22885/5824*y[59]+246/91*y[60]+11/42*y[61]+
 1567/2184*y[62]-407/2184*y[63]+485/312*y[64]+1241/2912*y[65]-437/273*y[66]-\
 30923/728*y[67]+13009/546*y[68]+5497/312*y[69]-6369/448*y[70]-2479/1456*y[71]-\
 122/273*y[72]+21499/3640*y[73]-591/208*y[74]-4959/1300*y[75]-22717/4368*y[76]-\
 66/91*y[77]+809/312*y[78]-1919/546*y[79]-3022/273*y[80]+75249/7280*y[81];

F62 := 107/130*y[14]+21/26*y[15]-79/65*y[16]+4/13*y[17]-2/13*y[18]+77/52*y[21]
 -87/52*y[22]-93/26*y[23]-1/26*y[24]+69/26*y[25]-27/26*y[26]-33/13*y[27]+108/13
 *y[28]+81/26*y[29]-108/65*y[30]+36/65*y[31]-27/13*y[33]-48/13*y[34]-30/13*y[42
]+132/13*y[44]-45/13*y[45]+21/26*y[46]+93/13*y[48]-72/13*y[49]+12/13*y[50]+32/
 13*y[51]-489/208*y[59]+14/39*y[60]+22/3*y[61]-249/26*y[62]+113/78*y[63]+22/13*
 y[64]-33/104*y[65]-2/13*y[66]-711/26*y[67]+110/13*y[68]+121/26*y[69]-63/16*y[
 70]+225/52*y[71]+17/26*y[72]-63/26*y[73]-81/52*y[74]+42/13*y[75]-27/26*y[76]-\
 160/13*y[77]+33/26*y[78]+12/13*y[79]+18/13*y[80]+33/26*y[81];

F63 := -53/78*y[14]+329/78*y[15]-358/195*y[16]+2/39*y[17]-1/39*y[18]-709/156*y
 [21]-21/52*y[22]+69/26*y[23]-319/78*y[24]+14/39*y[25]+301/26*y[26]-38/13*y[27]
 -47/13*y[28]-45/26*y[29]+138/65*y[30]+6/65*y[31]-9*y[32]+93/13*y[33]-8/13*y[34
]-70/13*y[42]+4*y[43]+100/13*y[44]-66/13*y[45]+5/13*y[46]+9/13*y[48]-12/13*y[
 49]+28/13*y[50]-12/13*y[51]-595/208*y[59]+34/13*y[60]+69/26*y[62]+229/78*y[63]
 +3/26*y[64]-155/104*y[65]+194/39*y[66]+291/26*y[67]-1232/39*y[68]+743/78*y[69]
 -21/16*y[70]+525/52*y[71]-4/13*y[72]-2/13*y[73]-59/52*y[74]+7/13*y[75]-11/26*y
 [76]+8/13*y[77]+77/26*y[78]+28/13*y[79]-23/13*y[80]+11/52*y[81];

F64 := 3*y[5]-797/780*y[14]-275/156*y[15]+161/195*y[16]-163/39*y[17]+163/78*y[
 18]-2525/312*y[21]+1967/104*y[22]-431/52*y[23]+2233/156*y[24]-322/39*y[25]-\
 1067/52*y[26]+81/13*y[27]-399/26*y[28]-297/260*y[29]-3/13*y[30]+213/65*y[31]+
 27/5*y[32]-681/130*y[33]+608/65*y[34]+6/5*y[35]-9/5*y[36]+12/5*y[37]+141/13*y[
 42]-38/13*y[44]+75/13*y[45]-9/26*y[46]-167/26*y[48]+68/13*y[49]-46/13*y[50]-\
 134/39*y[51]+1565/416*y[59]-15/13*y[60]-22/3*y[61]+453/52*y[62]-251/156*y[63]-\
 177/52*y[64]-267/208*y[65]-55/39*y[66]+1239/52*y[67]+22/39*y[68]-833/156*y[69]
 +195/32*y[70]-347/104*y[71]-127/39*y[72]+759/130*y[73]+49/104*y[74]-3461/650*y
 [75]+25/52*y[76]-32/39*y[77]+33/52*y[78]+58/13*y[79]-47/26*y[80]+863/520*y[81]
 ;

F65 := 26*y[5]-19933/4680*y[14]-6853/936*y[15]-4571/1170*y[16]-2467/117*y[17]+
 8815/936*y[18]+53/8*y[19]-17/3*y[20]-10025/234*y[21]+39407/624*y[22]-24457/624
 *y[23]+12827/234*y[24]-51937/1872*y[25]-1039/26*y[26]+2131/312*y[27]-16853/312
 *y[28]+6297/520*y[29]+43/65*y[30]+1293/130*y[31]-933/40*y[32]+283/130*y[33]+
 2541/65*y[34]+203/20*y[35]-529/40*y[36]+34/5*y[37]-587/78*y[42]+251/6*y[43]+
 443/78*y[44]+129/26*y[45]+301/78*y[46]-35/6*y[47]-5549/156*y[48]+677/26*y[49]-\
 127/39*y[50]-305/13*y[51]+6805/832*y[59]+69/13*y[60]-143/6*y[61]+13531/312*y[
 62]-3605/936*y[63]-697/312*y[64]-4765/1248*y[65]-1438/117*y[66]+3533/104*y[67]
 -19855/234*y[68]+22229/936*y[69]-585/64*y[70]+9091/624*y[71]-106/13*y[72]+5797
 /520*y[73]-1197/208*y[74]-4239/1300*y[75]+1243/208*y[76]-664/39*y[77]+37/104*y
 [78]+2801/78*y[79]+289/26*y[80]-683/1040*y[81];

F66 := -110/7*y[5]-31/105*y[14]-17/21*y[15]-96/35*y[16]-4/21*y[17]+11/7*y[18]+
 18/7*y[19]+163/42*y[21]+141/14*y[22]-25/14*y[23]-127/7*y[24]+230/21*y[25]+69/7
 *y[26]+6*y[27]+6*y[28]-9*y[29]+132/35*y[30]+12/7*y[31]+90/7*y[32]-30/7*y[33]-\
 92/7*y[34]-32/7*y[35]+72/7*y[36]+36/7*y[37]+8*y[42]-160/21*y[43]-44/7*y[44]+26
 /7*y[45]-101/42*y[46]-32/3*y[47]+26/3*y[48]-40/7*y[49]+4/21*y[50]+172/21*y[51]
 +43/56*y[59]+18/7*y[60]+176/21*y[61]-130/21*y[62]-4/3*y[63]-1/2*y[64]+43/28*y[
 65]+146/21*y[66]-124/7*y[67]+352/21*y[68]-80/21*y[69]+237/56*y[70]+43/7*y[71]-\
 281/42*y[72]+117/14*y[73]-33/14*y[74]-234/35*y[75]-26/7*y[76]-8*y[77]+74/7*y[
 78]-184/21*y[79]-31/7*y[80]+159/28*y[81];

F67 := -621/112*y[5]-43639/29120*y[14]+16095/5824*y[15]-967/1040*y[16]-6789/
 1456*y[17]+1451/1456*y[18]-135/56*y[19]+9/4*y[20]+6087/1664*y[21]-58857/11648*

$y[22]+7023/5824*y[23]+37019/5824*y[24]-3669/2912*y[25]+130125/5824*y[26]-843/104*y[27]-22041/2912*y[28]-53163/4160*y[29]+94149/7280*y[30]-9531/1040*y[31]-\backslash$
 $24543/1120*y[32]+391977/14560*y[33]-2529/1820*y[34]+69/280*y[35]-621/80*y[36]+$
 $477/70*y[37]+1641/1456*y[42]+136/7*y[43]+2859/182*y[44]-7893/1456*y[45]-831/$
 $416*y[46]-21/4*y[47]-2125/416*y[48]+1125/364*y[49]-479/728*y[50]-115/104*y[51]$
 $-74127/46592*y[59]-283/1456*y[60]-11/28*y[61]+21297/5824*y[62]+1629/832*y[63]-\backslash$
 $7489/5824*y[64]-54375/23296*y[65]-8273/1456*y[66]+97299/5824*y[67]-20845/364*y$
 $[68]+41633/5824*y[69]+29151/3584*y[70]-91695/11648*y[71]-8367/1456*y[72]+6113/$
 $3640*y[73]+30197/11648*y[74]+315807/72800*y[75]+18715/5824*y[76]+437/52*y[77]+$
 $64073/5824*y[78]+969/182*y[79]-33723/2912*y[80]-73581/58240*y[81];$
 $F68 := 1269/56*y[5]-338453/43680*y[14]-9983/8736*y[15]-13993/1560*y[16]-77977/$
 $2184*y[17]+62767/4368*y[18]+573/112*y[19]-4*y[20]-110705/2496*y[21]+317575/$
 $5824*y[22]-54515/1456*y[23]+698875/8736*y[24]-313501/8736*y[25]+50031/2912*y[$
 $26]-3581/208*y[27]-59905/728*y[28]+11997/2080*y[29]+76467/3640*y[30]-2943/520*$
 $y[31]-10467/140*y[32]+384627/7280*y[33]+14223/455*y[34]+3393/280*y[35]-2397/80$
 $*y[36]+582/35*y[37]-16951/728*y[42]+2593/28*y[43]+18359/364*y[44]-7389/728*y[$
 $45]+867/208*y[46]-77/4*y[47]-9193/208*y[48]+11007/364*y[49]-1347/364*y[50]-\backslash$
 $1451/52*y[51]+113949/23296*y[59]+6059/728*y[60]-407/28*y[61]+143573/2912*y[62]$
 $-685/1248*y[63]-3961/2912*y[64]-83411/11648*y[65]-68905/2184*y[66]+57315/2912*$
 $y[67]-240031/1092*y[68]+479239/8736*y[69]+171/1792*y[70]+86357/5824*y[71]-\backslash$
 $16543/728*y[72]+88677/7280*y[73]+29973/5824*y[74]+363267/36400*y[75]+9521/728*$
 $y[76]-565/26*y[77]+51613/2912*y[78]+19115/364*y[79]-16181/1456*y[80]+12939/$
 $29120*y[81];$
 $F69 := -705/56*y[5]+10373/14560*y[14]+15619/2912*y[15]+477/520*y[16]+1919/728*$
 $y[17]-1629/728*y[18]-135/28*y[19]+9/2*y[20]+14747/832*y[21]-161925/5824*y[22]+$
 $44907/2912*y[23]-21025/2912*y[24]+9043/1456*y[25]+148521/2912*y[26]-1041/52*y[$
 $27]+21219/1456*y[28]-1107/416*y[29]+35937/3640*y[30]-3951/520*y[31]-1431/112*y$
 $[32]+36513/1456*y[33]-4353/182*y[34]-87/28*y[35]-81/8*y[36]+45/7*y[37]-4155/$
 $728*y[42]+90/7*y[43]+969/91*y[44]-5121/728*y[45]-371/208*y[46]-5/2*y[47]+1095/$
 $208*y[48]-1479/182*y[49]+1845/364*y[50]+129/52*y[51]-85299/23296*y[59]-1711/$
 $728*y[60]+297/14*y[61]-41283/2912*y[62]+713/416*y[63]+995/2912*y[64]+2325/$
 $11648*y[65]-8077/728*y[66]-110601/2912*y[67]+3487/182*y[68]+17917/2912*y[69]-\backslash$
 $1341/1792*y[70]-48435/5824*y[71]-4195/728*y[72]-1247/364*y[73]+30785/5824*y[74$
 $] +69831/7280*y[75]+6535/2912*y[76]-147/26*y[77]+9557/2912*y[78]-270/91*y[79]-\backslash$
 $27423/1456*y[80]+21051/5824*y[81];$
 $F70 := 1657/56*y[5]-400159/43680*y[14]-179435/26208*y[15]-36797/4680*y[16]-\backslash$
 $262495/6552*y[17]+111793/6552*y[18]+113/14*y[19]-31/6*y[20]-143945/2496*y[21]+$
 $494565/5824*y[22]-524845/8736*y[23]+854635/8736*y[24]-564485/13104*y[25]-\backslash$
 $141763/8736*y[26]-33/13*y[27]-439109/4368*y[28]+16191/2080*y[29]+13275/728*y[$
 $30]-2481/520*y[31]-36609/560*y[32]+283971/7280*y[33]+46573/910*y[34]+5491/420*$
 $y[35]-1393/40*y[36]+811/35*y[37]-20575/2184*y[42]+5161/63*y[43]+3329/91*y[44]-\backslash$
 $4349/2184*y[45]+9091/1872*y[46]-385/18*y[47]-93247/1872*y[48]+18647/546*y[49]-\backslash$
 $5479/1092*y[50]-16697/468*y[51]+242659/23296*y[59]+25237/2184*y[60]-1199/42*y[$
 $61]+1828891/26208*y[62]-1785/416*y[63]+37189/26208*y[64]-193231/34944*y[65]-\backslash$
 $202547/6552*y[66]+239179/8736*y[67]-348931/1638*y[68]+1573067/26208*y[69]-\backslash$
 $23187/1792*y[70]+253609/17472*y[71]-55343/2184*y[72]+8186/455*y[73]+7325/17472$
 $*y[74]+156301/36400*y[75]+391397/26208*y[76]-2611/78*y[77]+417427/26208*y[78]+$
 $39782/819*y[79]+81103/13104*y[80]+4057/29120*y[81];$
 $F71 := 3701/112*y[5]-1079479/87360*y[14]-64419/5824*y[15]-281797/21840*y[16]-\backslash$
 $80575/1456*y[17]+7795/312*y[18]+717/56*y[19]-13/2*y[20]-869277/11648*y[21]+$
 $1415269/11648*y[22]-458483/5824*y[23]+2178691/17472*y[24]-157379/2912*y[25]-\backslash$
 $17673/5824*y[26]-749/104*y[27]-350027/2912*y[28]+93663/4160*y[29]+30675/1456*y$
 $[30]+31737/7280*y[31]-72117/1120*y[32]+438603/14560*y[33]+95149/1820*y[34]+$
 $3791/280*y[35]-18033/560*y[36]+147/5*y[37]-26805/1456*y[42]+2389/21*y[43]+4383$
 $/91*y[44]+6001/1456*y[45]+64175/8736*y[46]-337/12*y[47]-71701/1248*y[48]+12829$
 $/364*y[49]-11555/2184*y[50]-84473/2184*y[51]+822371/46592*y[59]+24935/1456*y[$
 $60]-2123/84*y[61]+1561537/17472*y[62]-9129/832*y[63]-2635/5824*y[64]-223941/$
 $23296*y[65]-9229/208*y[66]-45359/5824*y[67]-86647/364*y[68]+441283/5824*y[69]-\backslash$
 $71571/3584*y[70]+73539/11648*y[71]-151055/4368*y[72]+131067/3640*y[73]-75249/$
 $11648*y[74]-1227/72800*y[75]+8919/832*y[76]-2931/52*y[77]+83619/5824*y[78]+$
 $85879/1092*y[79]+6751/2912*y[80]+890361/58240*y[81];$
 $F72 := -1745/56*y[5]+155429/131040*y[14]+80035/26208*y[15]+30529/10920*y[16]+$
 $85103/6552*y[17]-535/104*y[18]-123/28*y[19]+13/2*y[20]+2081213/52416*y[21]-\backslash$
 $512695/17472*y[22]+99353/8736*y[23]-798625/26208*y[24]+303139/13104*y[25]+$
 $349411/8736*y[26]-823/156*y[27]+167569/4368*y[28]-8379/416*y[29]+14649/3640*y[$
 $30]-56337/3640*y[31]+3561/112*y[32]-8087/1456*y[33]-4465/182*y[34]-1133/84*y[$
 $35]+753/56*y[36]+15*y[37]+15191/2184*y[42]-1822/63*y[43]-2507/273*y[44]-1387/$
 $2184*y[45]-41317/13104*y[46]+91/18*y[47]+52231/1872*y[48]-13313/546*y[49]+2005$

/364*y[50]+57311/3276*y[51]+35781/23296*y[59]+8795/2184*y[60]+803/42*y[61]-\
 361171/26208*y[62]-20759/3744*y[63]+130019/26208*y[64]+20429/11648*y[65]+4583/\
 312*y[66]-386803/8736*y[67]+46981/546*y[68]-151009/8736*y[69]-3573/1792*y[70]-\
 12827/5824*y[71]-33329/2184*y[72]+3449/1092*y[73]+505067/17472*y[74]-61137/\
 7280*y[75]-4607/3744*y[76]+283/78*y[77]-532027/26208*y[78]-30449/819*y[79]+
 75809/13104*y[80]+34659/5824*y[81];

F73 := 95/28*y[5]-68507/13104*y[14]-59635/4368*y[15]-7463/468*y[16]-14015/1092
 *y[17]+26485/1638*y[18]+395/14*y[19]-35/3*y[20]-71185/3744*y[21]+730325/8736*y
 [22]-48065/1456*y[23]-99325/13104*y[24]+15625/2184*y[25]-174505/4368*y[26]+
 2345/78*y[27]-4945/728*y[28]+129/208*y[29]-9743/364*y[30]+1161/52*y[31]+4005/
 56*y[32]-56747/728*y[33]+443/91*y[34]-613/42*y[35]+215/4*y[36]+68/7*y[37]+2505
 /364*y[42]-2080/63*y[43]-4360/273*y[44]+26905/1092*y[45]+5305/936*y[46]+35/9*y
 [47]+2555/936*y[48]+2585/273*y[49]-8705/546*y[50]+3265/234*y[51]+50385/11648*y
 [59]+4845/364*y[60]-605/21*y[61]+80785/13104*y[62]+17125/1872*y[63]+23503/
 13104*y[64]+2155/17472*y[65]+147935/3276*y[66]+55105/4368*y[67]-23705/819*y[68
]+342505/13104*y[69]-225/896*y[70]+289235/8736*y[71]+11615/1092*y[72]+6949/182
 *y[73]-207745/8736*y[74]-26865/728*y[75]-291205/13104*y[76]-175/39*y[77]+
 276025/13104*y[78]-2027/819*y[79]-28835/6552*y[80]+73959/2912*y[81];

F74 := -185/28*y[5]-82703/13104*y[14]-187277/13104*y[15]-2667/260*y[16]-11833/
 3276*y[17]+12773/1092*y[18]+180/7*y[19]-7*y[20]+22883/3744*y[21]+499913/8736*y
 [22]-119443/4368*y[23]-10873/13104*y[24]+29221/6552*y[25]-61301/4368*y[26]+
 1114/39*y[27]-275/2184*y[28]-27/208*y[29]-35247/1820*y[30]+3153/260*y[31]+4677
 /56*y[32]-57839/728*y[33]+443/91*y[34]-851/42*y[35]+201/4*y[36]+138/7*y[37]+
 9335/1092*y[42]-2822/63*y[43]-6544/273*y[44]+16349/1092*y[45]+3173/936*y[46]+
 49/9*y[47]+9367/936*y[48]+37/273*y[49]-1203/182*y[50]+2225/234*y[51]+25269/
 11648*y[59]+22907/1092*y[60]-451/21*y[61]-10579/13104*y[62]+15097/1872*y[63]+
 113411/13104*y[64]-5955/5824*y[65]+76369/1092*y[66]-44995/4368*y[67]+3443/273*
 y[68]+32677/1456*y[69]-10053/896*y[70]+84885/2912*y[71]+16711/1092*y[72]+13381
 /273*y[73]-239413/8736*y[74]-34509/728*y[75]-390941/13104*y[76]+7/39*y[77]+
 232709/13104*y[78]-9034/819*y[79]+47969/6552*y[80]+72867/2912*y[81];

F75 := -1305/14*y[5]-45211/6552*y[14]-40585/6552*y[15]+355/78*y[16]+92635/1638
 *y[17]-950/91*y[18]+150/7*y[19]+10*y[20]+190375/1872*y[21]-245195/4368*y[22]+
 181585/2184*y[23]-998405/6552*y[24]+193385/3276*y[25]+251375/2184*y[26]+850/39
 *y[27]+128945/1092*y[28]-2367/104*y[29]-9015/182*y[30]+537/26*y[31]+6609/28*y[
 32]-83683/364*y[33]-1298/91*y[34]-1075/21*y[35]+345/2*y[36]-312/7*y[37]+22075/
 546*y[42]-12140/63*y[43]-10540/273*y[44]+5065/546*y[45]+625/468*y[46]+490/9*y[
 47]+30635/468*y[48]-290/273*y[49]-15985/273*y[50]+9505/117*y[51]+217825/5824*y
 [59]+7255/546*y[60]+110/7*y[61]-28415/6552*y[62]-21355/936*y[63]-28913/6552*y[
 64]+17705/2912*y[65]+10775/182*y[66]-75935/2184*y[67]+23650/91*y[68]-160045/
 2184*y[69]+28335/448*y[70]+6625/1456*y[71]+40735/546*y[72]+16570/273*y[73]-\
 134945/4368*y[74]-195477/1820*y[75]-394945/6552*y[76]+2770/39*y[77]+166825/
 6552*y[78]-136186/819*y[79]-170795/3276*y[80]+12807/1456*y[81];

F76 := -140*y[5]-1223/585*y[14]+5843/117*y[15]+7208/195*y[16]+11992/117*y[17]-\
 646/13*y[18]-51*y[19]+56*y[20]+18731/117*y[21]-19109/78*y[22]+20513/78*y[23]-\
 33986/117*y[24]+11849/234*y[25]+13094/39*y[26]+497/39*y[27]+6229/39*y[28]-315/
 13*y[29]+528/65*y[30]-1476/65*y[31]+195*y[32]-1844/13*y[33]-1464/13*y[34]-194/
 3*y[35]+129*y[36]-24*y[37]+1012/39*y[42]-1396/9*y[43]+1756/39*y[44]-1940/39*y[
 45]-1528/117*y[46]+644/9*y[47]+12418/117*y[48]-1492/39*y[49]-2464/39*y[50]+
 14192/117*y[51]+5117/104*y[59]-1016/39*y[60]+308/3*y[61]-2933/117*y[62]-4837/
 117*y[63]-2645/117*y[64]+657/52*y[65]-3160/39*y[66]-2807/39*y[67]+10780/39*y[
 68]-1603/13*y[69]+1239/8*y[70]-1551/26*y[71]+880/13*y[72]+605/39*y[73]-875/78*
 y[74]-4242/65*y[75]-7613/234*y[76]+1064/39*y[77]+4435/117*y[78]-29960/117*y[79
]-14104/117*y[80]-183/26*y[81];

F77 := -36*y[6]-96*y[29]-12*y[30]+18*y[31]-27/4*y[32]+57*y[33]-50*y[34]-5*y[35
]+72*y[36]+y[37]-58*y[52]+369/2*y[53]+66*y[54]+12*y[55]-6*y[56]-105/2*y[57]-\
 100*y[58];

F78 := -12*y[6]-2*y[29]+2*y[30]-6*y[31]-9/4*y[32]-11*y[33]-20/3*y[34]+3/2*y[36
]-29/3*y[37]+22/3*y[52]-57/2*y[53]-58*y[54]+4*y[55]-2*y[56]-35/2*y[57]-100/3*y
 [58];

F79 := -90*y[6]+18*y[31]-60*y[34]-15*y[35]+45/2*y[36]-60*y[58];

F80 := -30*y[6]+10*y[29]+20*y[30]+6*y[31]-45/2*y[32]+10*y[33]-20/3*y[34]-15*y[
 36]+10/3*y[37]-20/3*y[52]-15*y[53]-20*y[54]+40*y[55]-8*y[56]-25*y[57]-160/3*y[
 58];

F81 := -4*y[6]+58/3*y[29]+28/3*y[30]+10*y[31]-7*y[32]+4/3*y[33]-80/9*y[34]-12*
 y[36]+16/9*y[37]-8/9*y[52]-12*y[53]-8/3*y[54]+64/3*y[55]-32/3*y[56]+20/3*y[57]
 -40/9*y[58];

F82 := -268/3*y[21]+82*y[22]-13*y[23]-14/3*y[24]-3*y[25]-74*y[26]-34*y[27]-6*y
 [28]+186*y[38]+24*y[39]-96*y[40]-362/15*y[82]+356/15*y[83]+162/5*y[84]+1102/3*


```

y[85];
F83 := -24*y[21]+28*y[22]-2*y[23]+44/3*y[24]-22*y[25]+4*y[26]+4*y[27]-4*y[28]-\
6*y[38]+36*y[40]+52/15*y[82]-76/15*y[83]-252/5*y[84]+508/3*y[85];
F84 := -235/2*y[21]+105*y[22]-15*y[23]-20*y[24]-90*y[26]-36*y[27]+225*y[38]+18
*y[39]-90*y[40]-167/5*y[82]+131/5*y[83]+231/5*y[84]+475*y[85];
F85 := -10*y[29]+11*y[30]-15*y[31]-6*y[32]+14*y[33]+5*y[34]+7/3*y[35]-5/2*y[36
]-1/3*y[37]+95/2*y[38]+36/5*y[39]-29*y[40]+16/3*y[62]-8/3*y[63]-4*y[64]+10*y[
65]+16*y[67]-8*y[69]+12*y[71]-14/3*y[72]+26/5*y[75]+7/6*y[76]+28/3*y[78]-16/3*
y[79]-12*y[80];
F86 := -5/2*y[30]-3/2*y[31]-15/2*y[34]-5/2*y[35]+5/4*y[36]+5/2*y[37]-75/4*y[38
]-15*y[39]+75/2*y[40]+20/3*y[62]-10/3*y[63]+20*y[67]-10*y[69]-10*y[71]-5/3*y[
72]-5*y[75]+5/12*y[76]+10/3*y[78]+10*y[80];
F87 := -4*y[29]-2*y[30]-6*y[31]-4*y[33]+2*y[34]-2/3*y[35]+3*y[36]-10/3*y[37]-5
*y[38]+8/5*y[39]-2*y[40]+32/3*y[62]-16/3*y[63]+32*y[67]-16*y[69]-16*y[71]+4*y[
72]-12/5*y[75]-y[76]-8*y[78]+32/3*y[79]+16*y[80]-4*y[81];
F88 := -3*y[30]-9*y[31]+7*y[34]-y[35]-3/2*y[36]+3*y[37]+15/2*y[38]+72/5*y[39]-\
33*y[40]+10*y[72]+6/5*y[75]-5/2*y[76]-20*y[78]+16*y[79];
F89 := -1/2*y[8]-59/25*y[9]-21/5*y[11]+9/5*y[12]+33/5*y[13]-38/15*y[41]-3*y[42
]-7/2*y[43]-216/5*y[44]+66/5*y[45]-3*y[46]-27/5*y[47]-43/2*y[48]+183/10*y[49]-\
12/5*y[50]+7/15*y[51]-447/10*y[86]-42*y[87]+363/5*y[88]-19/5*y[89]-3/2*y[90]+
101/2*y[91]-15*y[92]-255/4*y[93]-109/6*y[94];
F90 := 3*y[8]-74/25*y[9]-36/5*y[11]+24/5*y[12]-2/5*y[13]-36/5*y[41]+2*y[42]-21
*y[43]+24/5*y[44]-44/5*y[45]-6*y[46]+118/5*y[47]-19*y[48]-21/5*y[49]+118/5*y[
50]-16/5*y[51]-381/5*y[86]-62*y[87]+198/5*y[88]+26/5*y[89]-9*y[90]+108*y[91]-\
10*y[92]-105/2*y[93]-69*y[94];
F91 := y[8]+3/50*y[9]+1/2*y[10]+6/5*y[11]-9/5*y[12]+49/10*y[13]+28/15*y[41]+3*
y[42]+16*y[43]-144/5*y[44]+213/10*y[45]+3/2*y[46]-231/10*y[47]+4*y[48]+36/5*y[
49]-78/5*y[50]+88/15*y[51]+21/5*y[86]+7*y[87]+132/5*y[88]-66/5*y[89]-21*y[90]-\
31/2*y[91]-5*y[92]+30*y[93]+7/3*y[94];
F92 := 2*y[8]-3/25*y[9]+y[10]+3/5*y[11]-12/5*y[12]+51/5*y[13]-16/15*y[41]-16*y
[42]+48*y[43]-327/5*y[44]+202/5*y[45]+3*y[46]-229/5*y[47]-3*y[48]+108/5*y[49]-\
134/5*y[50]+164/15*y[51]+93/5*y[86]+26*y[87]+306/5*y[88]-78/5*y[89]-33*y[90]-\
34*y[91]+15/2*y[93]+11/3*y[94];
F93 := -3/2*y[8]-27/25*y[9]-18/5*y[11]+12/5*y[12]+9/5*y[13]-158/5*y[41]-9*y[42
]-11/2*y[43]-108/5*y[44]+33/5*y[45]-171/5*y[47]-29/2*y[48]+189/10*y[49]+29/5*y
[50]-48/5*y[51]-111/10*y[86]-51*y[87]+69/5*y[88]-97/5*y[89]+81/2*y[90]-27/2*y[
91]+45*y[92]-315/4*y[93]-219/2*y[94];
F94 := 21*y[8]-6/25*y[9]-54/5*y[11]+6/5*y[12]+42/5*y[13]-204/5*y[41]-42*y[42]+
31*y[43]-144/5*y[44]-66/5*y[45]-5*y[46]-398/5*y[47]+19*y[48]+81/5*y[49]-8/5*y[
50]+86/5*y[51]-99/5*y[86]-48*y[87]+342/5*y[88]-246/5*y[89]+99*y[90]-138*y[91]+
150*y[92]-45/2*y[93]-241*y[94];
F95 := 3/5*y[14]+30*y[15]-46/5*y[16]-27/2*y[19]+8*y[20]-4*y[42]+5/3*y[43]+3*y[
45]+19/3*y[46]-8*y[47]+55/3*y[48]+9*y[49]-22*y[50]+16/3*y[51]-12*y[52]+44*y[54
]+48*y[55]-18*y[56]+9*y[57]-46*y[58]-67/4*y[86]-191/2*y[87]+21/2*y[88]-131/6*y
[89];
F96 := -3/5*y[14]+30*y[15]-48/5*y[16]-27/2*y[19]+9*y[20]+7*y[43]+9/2*y[46]-16*
y[47]+17*y[48]+9*y[49]-18*y[50]+4*y[52]+36*y[54]+36*y[55]-36/5*y[56]+18*y[57]-\
48*y[58]-27/4*y[86]-189/2*y[87]+9/2*y[88]-57/2*y[89];
F97 := -9/5*y[14]-8*y[15]+46/15*y[16]+9/2*y[19]-2/3*y[20]+28/3*y[42]-38/9*y[43
]+3*y[44]+3*y[45]-13/9*y[46]+20/3*y[47]-85/9*y[48]+6*y[49]-14/3*y[50]+14/9*y[
51]+4/3*y[52]-27/2*y[53]+28/3*y[54]-16*y[55]+6/5*y[56]+27/2*y[57]+40/3*y[58]-\
83/12*y[86]+137/6*y[87]+71/2*y[88]+101/18*y[89];
F98 := -3*y[14]-30*y[15]+35/3*y[16]+15*y[19]-20/3*y[20]+40/3*y[42]-125/9*y[43]
+5*y[44]+5*y[45]-145/36*y[46]+95/3*y[47]-250/9*y[48]+5*y[49]+10/3*y[50]+20/9*y
[51]-20/3*y[52]-45/2*y[53]-20/3*y[54]-40*y[55]+15/2*y[57]+130/3*y[58]-155/12*y
[86]+280/3*y[87]+105/2*y[88]+485/18*y[89];
F99 := 1/2*y[14]+26*y[15]-46/5*y[16]-y[17]-27/2*y[19]+8*y[20]+9*y[42]-5/3*y[43
]+3*y[44]-3*y[45]+15/8*y[46]-58/3*y[47]+65/3*y[48]-10*y[50]-2/3*y[51]+8*y[52]+
27*y[53]+16*y[54]+24*y[55]+36/5*y[56]-9*y[57]-50*y[58]+19/8*y[86]-82*y[87]-67/
4*y[88]-71/4*y[89];
F100 := 6/5*y[14]+72*y[15]-356/15*y[16]-y[18]-36*y[19]+64/3*y[20]+28/3*y[42]+
70/9*y[43]-6*y[44]+3*y[45]+181/18*y[46]-160/3*y[47]+500/9*y[48]+6*y[49]-104/3*
y[50]-16/9*y[51]+32/3*y[52]+54*y[53]+160/3*y[54]+80*y[55]-6*y[57]-392/3*y[58]+
31/3*y[86]-629/3*y[87]-32*y[88]-494/9*y[89];
F101 := -3/5*y[14]-32*y[15]+48/5*y[16]+33/2*y[19]-10*y[20]+12*y[42]-10*y[43]+3
*y[44]+3*y[45]-19/3*y[46]+58/3*y[47]-25*y[48]-2*y[49]+14*y[50]+2/3*y[51]-4/3*y
[52]-27/2*y[53]-36*y[54]-48*y[55]+18/5*y[56]-9/2*y[57]+60*y[58]+21/4*y[86]+213
/2*y[87]+37/2*y[88]+173/6*y[89];

```

$F102 := 597/58*y[21]-683/58*y[22]+15/2*y[23]+236/29*y[24]-192/29*y[25]-570/29*y[26]+9/29*y[27]+288/29*y[28]-269/58*y[42]+20/3*y[43]+2085/58*y[44]-1093/116*y[45]+597/232*y[46]+383/174*y[47]+1781/58*y[48]-805/29*y[49]+1007/174*y[50]+431/58*y[51]+453/58*y[59]-405/116*y[60]+32/29*y[62]-275/29*y[63]-206/29*y[64]-61/58*y[65]-1869/116*y[66]-486/29*y[67]+12*y[68]-516/29*y[69]+1053/58*y[70]-1173/58*y[71]+453/58*y[72]+117/290*y[73]-279/290*y[75]-1869/232*y[76]+32/29*y[77]+6*y[78]-162/29*y[79]-516/29*y[80]+351/58*y[81]-249/290*y[90]+20601/464*y[91]+477/145*y[92]-22233/232*y[93]-1107/29*y[94];$

$F103 := 1135/58*y[21]-11945/348*y[22]+125/4*y[23]+895/87*y[24]-545/29*y[25]-\backslash 1550/29*y[26]-3/29*y[27]+1035/29*y[28]-1475/87*y[42]+1135/36*y[43]+12095/116*y[44]-9385/696*y[45]+4735/464*y[46]+1505/261*y[47]+18055/174*y[48]-32015/348*y[49]+3020/261*y[50]+5485/174*y[51]+490/29*y[59]-75/29*y[60]+1360/87*y[62]-5975/174*y[63]-8485/348*y[64]-1705/348*y[65]-5235/116*y[66]+75/29*y[67]-1075/29*y[69]+6345/116*y[70]-1675/29*y[71]+490/29*y[72]+201/58*y[73]-225/58*y[75]-5235/232*y[76]+1360/87*y[77]+25/29*y[79]-1075/29*y[80]+2115/116*y[81]-1619/58*y[90]+30975/232*y[91]+32/29*y[92]-5740/29*y[93]-3285/29*y[94];$

$F104 := 143/58*y[21]+13/348*y[22]+2*y[23]+292/87*y[24]-119/29*y[25]-356/29*y[26]+138/145*y[27]+222/29*y[28]-1135/174*y[42]+43/36*y[43]+1739/116*y[44]-3007/696*y[45]+1011/464*y[46]+2845/522*y[47]+2065/174*y[48]-3263/348*y[49]+25/522*y[50]+347/87*y[51]+119/58*y[59]-285/116*y[60]+16/87*y[62]-275/174*y[63]-673/348*y[64]+287/348*y[65]-279/58*y[66]+6/29*y[67]-231/29*y[69]+873/116*y[70]-163/29*y[71]+119/58*y[72]-12/145*y[73]+69/58*y[75]-279/116*y[76]+886/87*y[77]+2/29*y[79]-231/29*y[80]+291/116*y[81]+505/58*y[90]+4521/464*y[91]-45/29*y[92]-13145/232*y[93]-79/58*y[94];$

$F105 := 85/29*y[21]-370/29*y[22]+105/4*y[23]-395/29*y[24]-180/29*y[25]-480/29*y[26]+90/29*y[27]+705/29*y[28]-185/29*y[42]+25/6*y[43]+855/29*y[44]+1105/116*y[45]+955/116*y[46]+175/87*y[47]+3165/58*y[48]-2615/58*y[49]-185/87*y[50]+560/29*y[51]+90/29*y[59]+75/29*y[60]+320/29*y[62]-575/29*y[63]-320/29*y[64]+130/29*y[65]-540/29*y[66]+360/29*y[67]-375/29*y[69]+1395/58*y[70]-645/29*y[71]+90/29*y[72]+30/29*y[73]+69/29*y[75]-270/29*y[76]+320/29*y[77]+120/29*y[79]-375/29*y[80]+465/58*y[81]+285/58*y[90]+11655/232*y[91]-235/29*y[92]-2670/29*y[93]-825/58*y[94];$

$F106 := 4341/406*y[21]-8973/406*y[22]+333/14*y[23]-954/203*y[24]-3159/406*y[25]-\backslash 3168/203*y[26]+99/1015*y[27]+3348/203*y[28]-93/406*y[42]+132/7*y[43]+23031/406*y[44]+123/406*y[45]+4215/812*y[46]-195/203*y[47]+24891/406*y[48]-11457/203*y[49]+2811/406*y[50]+7479/406*y[51]+4059/406*y[59]+3285/812*y[60]+3504/203*y[62]-5535/203*y[63]-6225/406*y[64]-360/203*y[65]-21825/812*y[66]+288/203*y[67]-\backslash 3345/203*y[69]+1539/58*y[70]-14517/406*y[71]+4059/406*y[72]+2589/2030*y[73]+6*y[74]-1773/290*y[75]-21825/1624*y[76]+3504/203*y[77]+96/203*y[79]-4563/203*y[80]+513/58*y[81]-90297/2030*y[90]+358731/3248*y[91]-21414/1015*y[92]-116703/1624*y[93]-14250/203*y[94];$

$F107 := 500/203*y[21]+86/609*y[22]+82/7*y[23]-5524/609*y[24]-1168/203*y[25]-\backslash 3076/203*y[26]+816/203*y[27]+4884/203*y[28]-11470/609*y[42]+1640/63*y[43]+10594/203*y[44]-1882/609*y[45]+1517/203*y[46]+13228/1827*y[47]+15958/609*y[48]-11668/609*y[49]-15530/1827*y[50]+8098/609*y[51]+410/203*y[59]-1495/203*y[60]+6848/609*y[62]+2920/609*y[63]-1628/609*y[64]-1916/609*y[65]-2025/203*y[66]-\backslash 2304/203*y[67]-4096/203*y[69]+369/29*y[70]-1208/203*y[71]+2440/203*y[72]-5484/1015*y[73]+654/145*y[75]-2025/406*y[76]+6848/609*y[77]-768/203*y[79]-4096/203*y[80]+123/29*y[81]-14362/1015*y[90]+6639/812*y[91]-7328/1015*y[92]-46531/406*y[93]+6816/203*y[94];$

$F108 := -5554/203*y[21]+11638/203*y[22]-348/7*y[23]+68/203*y[24]+3870/203*y[25]+6492/203*y[26]+1284/203*y[27]-5892/203*y[28]+2484/203*y[42]-1340/21*y[43]-\backslash 23124/203*y[44]+408/203*y[45]-3531/406*y[46]+80/609*y[47]-27738/203*y[48]+26770/203*y[49]-17410/609*y[50]-8038/203*y[51]-4806/203*y[59]-1830/203*y[60]-\backslash 7808/203*y[62]+14030/203*y[63]+8504/203*y[64]+2048/203*y[65]+13176/203*y[66]-\backslash 8784/203*y[67]+9150/203*y[69]-1872/29*y[70]+22698/203*y[71]-4806/203*y[72]-\backslash 1776/203*y[73]+2526/145*y[75]+6588/203*y[76]-7808/203*y[77]-2928/203*y[79]+9150/203*y[80]-624/29*y[81]+25320/203*y[90]-117423/406*y[91]+9272/203*y[92]+26433/203*y[93]+45880/203*y[94];$

$F109 := -317/203*y[21]-2428/609*y[22]+97/7*y[23]-9748/609*y[24]-255/203*y[25]+1640/203*y[26]+2334/1015*y[27]+1644/203*y[28]-4027/609*y[42]+701/63*y[43]+1146/203*y[44]+13147/1218*y[45]+4091/812*y[46]-1772/1827*y[47]+13537/609*y[48]-\backslash 10447/609*y[49]-6869/1827*y[50]+4903/609*y[51]-61/203*y[59]+1445/406*y[60]+9248/609*y[62]-5960/609*y[63]-4202/609*y[64]-419/609*y[65]-2487/406*y[66]+3468/203*y[67]-1278/203*y[69]+180/29*y[70]-2081/203*y[71]-61/203*y[72]+807/1015*y[73]-99/145*y[75]-2487/812*y[76]+9248/609*y[77]+1156/203*y[79]-1278/203*y[80]+60/29*y[81]-10471/1015*y[90]+31671/1624*y[91]-8424/1015*y[92]-6575/812*y[93]-\backslash 1632/203*y[94];$

$$F110 := 969/203*y[21]-2391/203*y[22]+405/28*y[23]+2109/203*y[24]-4191/406*y[25]-7038/203*y[26]+1026/203*y[27]+1251/203*y[28]-804/203*y[42]+50/7*y[43]+12795/406*y[44]-2097/406*y[45]+2721/1624*y[46]-5427/406*y[47]+17753/406*y[48]-8598/203*y[49]+2168/203*y[50]+2382/203*y[51]+1026/203*y[59]+710/203*y[60]+20*y[61]+864/203*y[62]-3075/203*y[63]-1293/406*y[64]+615/406*y[65]-8397/406*y[66]-9990/203*y[67]-1926/203*y[69]+1377/58*y[70]-2916/203*y[71]+1026/203*y[72]+1971/1015*y[73]-594/145*y[75]-8397/812*y[76]+864/203*y[77]-3330/203*y[79]-1926/203*y[80]+459/58*y[81]-57879/2030*y[90]+87975/1624*y[91]-6348/1015*y[92]-35037/406*y[93]-10623/406*y[94];$$

$$F111 := -285/28*y[21]+15/14*y[22]+225/28*y[23]-30/7*y[24]+45/28*y[25]-270/7*y[26]+279/14*y[27]+135/7*y[28]-1215/28*y[42]+90/7*y[43]-1125/28*y[44]+765/56*y[45]+585/112*y[46]-565/14*y[47]+5/28*y[48]+30/7*y[49]-265/28*y[50]+125/28*y[51]-135/28*y[59]+375/56*y[60]+60/7*y[62]+100/7*y[63]+285/14*y[64]-75/28*y[65]+135/56*y[66]-1035/7*y[67]+345/14*y[69]+765/28*y[71]-135/28*y[72]-27/28*y[73]+27/4*y[75]+135/112*y[76]+60/7*y[77]-345/7*y[79]+345/14*y[80]+1215/28*y[90]-42255/224*y[91]+585/7*y[92]+11475/112*y[93]+1005/14*y[94];$$

$$F112 := 2337/406*y[21]-9515/812*y[22]+573/28*y[23]-1475/203*y[24]-2385/406*y[25]-1788/203*y[26]+3177/1015*y[27]+2637/203*y[28]-3716/203*y[42]+2119/84*y[43]+15741/812*y[44]+2483/1624*y[45]+16593/3248*y[46]-23687/1218*y[47]+15933/406*y[48]-32075/812*y[49]+7043/609*y[50]+1243/406*y[51]+1488/203*y[59]+1095/203*y[60]+7717/203*y[62]-5625/406*y[63]-5029/812*y[64]-4153/812*y[65]-15093/812*y[66]-5706/203*y[67]-2430/203*y[69]+1755/116*y[70]-4197/203*y[71]+1488/203*y[72]+6903/2030*y[73]-351/58*y[75]-15093/1624*y[76]+4672/203*y[77]-3729/203*y[79]-2430/203*y[80]+585/116*y[81]-85683/2030*y[90]+77769/1624*y[91]-741/1015*y[92]-17319/203*y[93]-8850/203*y[94];$$

$$F113 := -828/203*y[21]-2/203*y[22]+6/7*y[23]+1828/203*y[24]+648/203*y[25]-12192/203*y[26]+3852/203*y[27]-3060/203*y[28]-4322/203*y[42]+565/21*y[43]-12735/203*y[44]+4066/203*y[45]-729/203*y[46]-40360/609*y[47]+3670/203*y[48]-6371/203*y[49]+15572/609*y[50]-972/203*y[51]+3243/203*y[59]+3645/203*y[60]+2560/203*y[62]-4600/203*y[63]+3182/203*y[64]+2084/203*y[65]-2493/203*y[66]-26352/203*y[67]+6744/203*y[69]-135/29*y[70]+4758/203*y[71]+198/203*y[72]+6246/1015*y[73]-1818/145*y[75]-2493/406*y[76]+2560/203*y[77]-8784/203*y[79]+6744/203*y[80]-306/29*y[81]-112272/1015*y[90]+90207/812*y[91]-38748/1015*y[92]+4521/406*y[93]-6084/203*y[94];$$

$$F114 := -7055/812*y[21]+33869/2436*y[22]-353/28*y[23]-199/609*y[24]+4065/812*y[25]+3029/203*y[26]+813/2030*y[27]-2862/203*y[28]+20777/2436*y[42]-4771/252*y[43]-7845/203*y[44]+13697/2436*y[45]-5137/1624*y[46]+8213/3654*y[47]-86831/2436*y[48]+84215/2436*y[49]-58799/7308*y[50]-19409/2436*y[51]-6049/812*y[59]+1325/1624*y[60]-7624/609*y[62]+12935/1218*y[63]+18229/2436*y[64]+2449/609*y[65]+26391/1624*y[66]+1404/203*y[67]+6007/406*y[69]-2025/116*y[70]+18271/812*y[71]-6049/812*y[72]-7491/4060*y[73]+2223/580*y[75]+26391/3248*y[76]-7624/609*y[77]+468/203*y[79]+6007/406*y[80]-675/116*y[81]+122069/4060*y[90]-419613/6496*y[91]+4364/1015*y[92]+207985/3248*y[93]+10564/203*y[94];$$

$$F115 := 1602/203*y[21]-967/203*y[22]+3/7*y[23]+788/203*y[24]-936/203*y[25]-930/203*y[26]+1818/1015*y[27]+360/203*y[28]+1010/203*y[42]+313/42*y[43]+6543/406*y[44]+1945/406*y[45]+1979/812*y[46]+3172/609*y[47]+4894/203*y[48]-8639/406*y[49]+1213/609*y[50]+1201/203*y[51]+1338/203*y[59]+825/203*y[60]+272/203*y[62]-5310/203*y[63]-1055/203*y[64]+3982/203*y[65]-2286/203*y[66]+11268/203*y[67]-1080/203*y[69]+108/29*y[70]-3354/203*y[71]+1338/203*y[72]+3564/1015*y[73]-738/145*y[75]-1143/203*y[76]+272/203*y[77]+3756/203*y[79]-1080/203*y[80]+36/29*y[81]-12477/1015*y[90]+67017/812*y[91]-26178/1015*y[92]-16545/406*y[93]-7046/203*y[94];$$

$$F116 := -9/5*y[29]+36/25*y[30]-42/25*y[31]+39/10*y[32]-7/5*y[33]+8/15*y[52]+62/5*y[53]-8/5*y[54]-16/5*y[55]-64/25*y[56]+22/5*y[57]+24/5*y[58]+3/10*y[59]+6/5*y[62]+13/15*y[63]+8/5*y[64]-79/20*y[65]+17/2*y[66]-6*y[67]+76/5*y[68]-208/15*y[69]-13/4*y[70]+19/5*y[71]-23/5*y[72]+13/10*y[73]+14/5*y[74]-12/25*y[75]+51/40*y[76]+16/3*y[77]-49/5*y[78]+46/5*y[79]+129/10*y[80]-3*y[81]-23/10*y[86]+18/5*y[87]+23/5*y[88]+23/5*y[89];$$

$$F117 := 9/2*y[30]+9/2*y[31]+5/3*y[52]-5*y[54]-3*y[56]+15/2*y[57]+15*y[58]-15/4*y[59]+25/3*y[63]+5*y[64]+20*y[66]+55/2*y[67]-40*y[68]-40/3*y[69]+5*y[71]-10*y[72]+5/2*y[73]+35/4*y[74]-3/2*y[75]+15/4*y[76]+50/3*y[77]-15/2*y[78]+10*y[79]+5*y[80]-5/2*y[86]+5*y[87]+5*y[88]+5*y[89];$$

$$F118 := 9/10*y[29]+42/25*y[30]-24/25*y[31]+3/10*y[32]-4/5*y[33]+2/5*y[52]+33/10*y[53]-6/5*y[54]+29/15*y[55]-58/25*y[56]+19/5*y[57]+18/5*y[58]-19/10*y[59]+7/5*y[62]+12/5*y[63]+17/10*y[64]-19/10*y[65]+9*y[66]+19/2*y[67]-48/5*y[68]-57/5*y[69]-3/2*y[70]-9/10*y[71]-8/15*y[72]-1/15*y[73]+161/60*y[74]-52/75*y[75]-7/60*y[76]+4*y[77]-103/30*y[78]+27/5*y[79]+34/5*y[80]-2/3*y[81]-8/5*y[86]+11/5*y[87]+26/5*y[88]+6/5*y[89];$$

```

F119 := 12*y[29]+32/5*y[30]+216/5*y[31]-6*y[32]-4*y[33]+16/3*y[52]-161*y[53]-\
16*y[54]-56/3*y[55]+92/5*y[56]-11*y[57]+48*y[58]-7*y[59]-28*y[62]+146/3*y[63]-\
9*y[64]-12*y[65]+50*y[66]+60*y[67]-128*y[68]+154/3*y[69]+155/4*y[70]+33*y[71]-\
208/3*y[72]+109/3*y[73]+79/3*y[74]-347/15*y[75]+103/12*y[76]+160/3*y[77]+26/3*
y[78]+32*y[79]-96*y[80]+185/6*y[81]+12*y[86]-14*y[87]-4*y[88]+16*y[89];
F120 := 6*y[29]+16/5*y[30]+84/5*y[31]+3*y[32]-6*y[33]+8/3*y[52]-111/2*y[53]-8*
y[54]-20*y[55]+66/5*y[56]-21/2*y[57]+24*y[58]-6*y[59]-12*y[62]+76/3*y[63]-y[64
]-9*y[65]+39*y[66]+30*y[67]-64*y[68]+2/3*y[69]+10*y[70]+21*y[71]-30*y[72]+15*y
[73]+14*y[74]-42/5*y[75]+11/4*y[76]+80/3*y[77]+2*y[78]+16*y[79]-30*y[80]+13*y[
81]-4*y[86]-12*y[87]+8*y[88]+8*y[89];
F121 := 12/5*y[29]-888/25*y[30]-624/25*y[31]-246/5*y[32]+176/5*y[33]-80*y[34]-\
12*y[35]+6*y[36]-40*y[37]-208/5*y[52]+949/5*y[53]+624/5*y[54]+544/15*y[55]+712
/25*y[56]-471/5*y[57]-2356/15*y[58]-52/5*y[59]+25*y[60]+472/5*y[62]-728/5*y[63
]-64/5*y[64]+713/5*y[65]-769/3*y[66]+260*y[67]-784/15*y[68]+3524/15*y[69]-109/
2*y[70]-392/5*y[71]+3242/15*y[72]-1106/15*y[73]-2456/15*y[74]+3898/75*y[75]-\
901/30*y[76]-448/3*y[77]+2876/15*y[78]-848/5*y[79]+54/5*y[80]-154/3*y[81]+132/
5*y[86]+356/5*y[87]-384/5*y[88]-712/15*y[89];
F122 := 3*y[29]-18/5*y[30]+39/10*y[31]-69/8*y[32]+5*y[33]-13*y[34]-2*y[35]+3/4
*y[36]-13/2*y[37]-4*y[52]+25/4*y[53]+6*y[54]+4/3*y[55]+89/10*y[56]-45/2*y[57]-\
107/6*y[58]-55/16*y[59]+45/8*y[60]-5*y[61]+13*y[62]-45/4*y[63]-5/2*y[64]+305/
16*y[65]-281/12*y[66]+205/4*y[67]-106/3*y[68]+149/3*y[69]-37/4*y[70]+7*y[71]+
115/6*y[72]-17/3*y[73]-325/24*y[74]+211/60*y[75]-223/96*y[76]-20/3*y[77]+163/6
*y[78]-20*y[79]-117/8*y[80]-49/24*y[81]+39/8*y[86]+11*y[87]-27/4*y[88]-37/12*y
[89];
F123 := 36/5*y[29]-864/25*y[30]-162/25*y[31]-711/10*y[32]+228/5*y[33]-84*y[34]
-10*y[35]-54*y[37]-184/5*y[52]+807/5*y[53]+672/5*y[54]+224/5*y[55]+936/25*y[56
]-483/5*y[57]-796/5*y[58]-309/20*y[59]+35*y[60]+20*y[61]+516/5*y[62]-839/5*y[
63]-42/5*y[64]+3831/20*y[65]-577/2*y[66]+363*y[67]-704/5*y[68]+1504/5*y[69]-\
123/2*y[70]-336/5*y[71]+1062/5*y[72]-406/5*y[73]-1517/10*y[74]+1283/25*y[75]-\
899/40*y[76]-128*y[77]+1066/5*y[78]-984/5*y[79]-171/10*y[80]-97/2*y[81]+417/10
*y[86]+468/5*y[87]-357/5*y[88]-217/5*y[89];
F124 := 6/5*y[29]+186/25*y[30]+273/25*y[31]+87/5*y[32]-57/5*y[33]+16*y[34]+2*y
[35]+3*y[36]+10*y[37]+148/15*y[52]-1287/20*y[53]-228/5*y[54]-86/5*y[55]-39/25*
y[56]+123/20*y[57]+184/5*y[58]+51/20*y[59]-35/4*y[60]-10*y[61]-89/5*y[62]+1661
/30*y[63]-43/20*y[64]-537/10*y[65]+321/4*y[66]-85*y[67]+226/5*y[68]-1691/30*y[
69]+201/16*y[70]+691/20*y[71]-338/5*y[72]+561/20*y[73]+851/20*y[74]-1643/100*y
[75]+727/80*y[76]+136/3*y[77]-623/10*y[78]+296/5*y[79]-88/5*y[80]+157/8*y[81]-\
84/5*y[86]-369/10*y[87]+123/5*y[88]+38/5*y[89];
F125 := 54/5*y[29]+54/25*y[30]+387/25*y[31]-243/20*y[32]+27/5*y[33]+6*y[34]+3*
y[35]-9*y[36]-9*y[37]+34/5*y[52]-369/10*y[53]-102/5*y[54]-24/5*y[55]+204/25*y[
56]-69/10*y[57]+26/5*y[58]-537/40*y[59]+5/2*y[60]+10*y[61]-96/5*y[62]+103/10*y
[63]-18/5*y[64]+453/40*y[65]+15/4*y[66]+171/2*y[67]-576/5*y[68]+231/5*y[69]+81
/8*y[70]-9/5*y[71]-19/10*y[72]+57/10*y[73]-231/20*y[74]-18/25*y[75]-267/80*y[
76]+48*y[77]+129/5*y[78]-36/5*y[79]-873/20*y[80]+75/4*y[81]+141/20*y[86]-93/5*
y[87]+99/10*y[88]+19/10*y[89];
F126 := 27/10*y[29]+36/25*y[30]+108/25*y[31]+27/5*y[32]-27/5*y[33]+6/5*y[52]-3
/5*y[53]-18/5*y[54]-41/5*y[55]+36/25*y[56]+9/10*y[57]+54/5*y[58]-21/5*y[59]+21
/5*y[62]+51/5*y[63]+21/10*y[64]-129/20*y[65]+33/2*y[66]+27/2*y[67]-144/5*y[68]
-51/5*y[69]-3/4*y[70]+33/10*y[71]-43/5*y[72]+23/10*y[73]+91/20*y[74]-2/25*y[75
]+111/40*y[76]+12*y[77]-33/10*y[78]+1/5*y[79]+9/10*y[80]+2*y[81]-3/10*y[86]+3/
5*y[87]+33/5*y[88]+13/5*y[89];
F1 := 22*y[1]-28*y[8]-52/15*y[9]-8/3*y[10]-28*y[11]+28*y[12]-52/3*y[13]-190/3*
y[21]-60*y[22]+205/2*y[23]-290/3*y[24]-45*y[25]+140*y[26]-10*y[27]+44*y[28]-72
*y[29]-48*y[30]+54*y[32]-72*y[33]+56*y[34]+84*y[36];
F2 := 198*y[1]-24*y[8]-96/5*y[9]-20*y[10]-60*y[11]+36*y[12]+16*y[13]+215*y[21]
-240*y[22]-585/2*y[23]+100*y[24]+132*y[25]+1290*y[26]-360*y[27]-582*y[28]-324*
y[29]-96*y[30]-144*y[31]+162*y[32]+108*y[33]-56*y[35]+252*y[36]+336*y[37];
F3 := -50/3*y[1]-55/3*y[2]-20/3*y[7]+20/3*y[14]-35/3*y[15]-56/3*y[16]+25*y[19]
-40/3*y[20]+88*y[31]-165/2*y[32]+55*y[33]-220/3*y[34]-55/3*y[35]+55/2*y[36];
F4 := 10*y[1]-11*y[2]+4*y[7]-7/5*y[14]+33/2*y[15]+9/2*y[16]-10*y[17]+11/2*y[18
]-27/4*y[19]+4*y[20]+21*y[29]-44/5*y[30]+117/5*y[31]+153/4*y[32]-105/2*y[33]+
27*y[34]-17/2*y[35]-81/4*y[36]+29*y[37];
F5 := 10*y[1]-22/3*y[2]+56/3*y[7]-74/15*y[14]+2/3*y[15]+88/3*y[16]-18*y[17]-11
/3*y[18]-93/2*y[19]+110/3*y[20]+68*y[29]-428/15*y[30]+78/5*y[31]+84*y[32]-124*
y[33]+64*y[34]-50/3*y[35]-5*y[36]+12*y[37];
F6 := 5*y[2]-16*y[3]+20/3*y[8]-5/3*y[9]+5/3*y[10]-10*y[11]+20/3*y[12]+5/3*y[13
]+10*y[15]+14/3*y[16]+20*y[17]-35/3*y[18]-10*y[19]+20/3*y[20]-25*y[21]+125/3*y
[22]-25*y[23];

```

```

F7 := -25/4*y[2]-48*y[3]-55/2*y[8]-55/12*y[9]-5/12*y[10]+5*y[12]+35/12*y[13]+7
/3*y[14]-105/2*y[15]+77/6*y[16]-5*y[17]+35/12*y[18]+45/2*y[19]-20*y[20]+25/4*y
[21]-125/4*y[22]+75/2*y[23]-250/3*y[24]+75/2*y[25]+125*y[26];
F8 := 14/3*y[2]+136/5*y[3]-2*y[8]+5/9*y[9]-38/9*y[10]-5/2*y[11]-2/3*y[12]-7/9*
y[13]-133/45*y[14]-20*y[15]-238/45*y[16]-50/3*y[17]+169/18*y[18]+19/2*y[19]-2*
y[20]+35/6*y[21]-25*y[22]+115/4*y[23]-250/9*y[24]+15/2*y[25]-25/3*y[26]-15*y[
27]+50*y[28];
F9 := 59/12*y[2]+304/5*y[3]-13/2*y[8]+185/36*y[9]-317/36*y[10]-y[11]-5/3*y[12]
-493/36*y[13]-427/45*y[14]-55/2*y[15]-1379/90*y[16]-125/3*y[17]+1007/36*y[18]+
61/2*y[19]-8*y[20]+85/12*y[21]-175/4*y[22]+55*y[23]-400/9*y[24]+15/2*y[25]-175
/3*y[26]+50*y[28];
F10 := -44/7*y[1]+330/7*y[4]+90/7*y[21]-10*y[22]-30/7*y[23]+30*y[24]-78/7*y[25]
-150/7*y[26]+162/7*y[27]-390/7*y[28]+330/7*y[38]+66/35*y[39]-594/7*y[40];
F11 := -30*y[4]-10*y[5]-8*y[8]+8*y[11]-4*y[12]-36*y[29]+56/5*y[30]-192/5*y[31]
-18*y[32]+36*y[33]+32/3*y[34]-10*y[38]+12*y[39]+20*y[40];
F12 := -21/4*y[2]+45/2*y[5]-1/2*y[8]-2*y[10]-11/2*y[11]+5/2*y[12]+9*y[29]+7*y[
30]+12*y[31]+45/4*y[32]-27/2*y[33]-10/3*y[34]-8*y[35]+12*y[37]+50*y[38]-9*y[39]
+5*y[40];
F13 := -31/9*y[2]-70/3*y[4]+110/3*y[5]+34/9*y[8]+64/45*y[9]-8/9*y[10]-2*y[11]-\
2/9*y[12]+76/3*y[29]+308/45*y[30]+208/15*y[31]+7*y[32]-10*y[33]-56/3*y[34]-16/
3*y[35]+55/3*y[38]-40/3*y[39]+170/3*y[40];
F14 := -55/12*y[2]-10*y[4]+85/2*y[5]+53/6*y[8]-8/15*y[9]-2/3*y[10]-11/2*y[11]-\
1/6*y[12]+8*y[13]+37*y[29]+77/15*y[30]+172/5*y[31]+21/4*y[32]-27/2*y[33]-70/3*
y[34]-10*y[35]-21*y[36]+16*y[37]+15*y[38]-7*y[39]+25*y[40];
F15 := 84*y[3]-225/2*y[5]-25*y[21]-375/4*y[22]+525/4*y[23]+25/2*y[24]-105*y[25]
-225/2*y[26]-75/2*y[27]+465/2*y[28];
F16 := 90*y[3]-105/4*y[5]-25*y[21]-1575/8*y[22]+2025/8*y[23]-75/4*y[24]-165*y[
25]-45/4*y[26]-15/4*y[27]+645/4*y[28];
F17 := 50/9*y[5]+112*y[6]-56/9*y[14]-80/9*y[15]+40/9*y[17]+10*y[19]+10*y[29]+
28/9*y[30]-4/3*y[31]-10*y[32]+70/3*y[33]-280/9*y[34]-70/3*y[36]+140/9*y[37];
F18 := 50*y[5]+216*y[6]-8*y[14]-8*y[16]+10*y[20]-14*y[30]+6*y[31]-30*y[34]+10/
3*y[35]-15*y[36]+10*y[37];
F19 := 22*y[7]+220/3*y[41]-50*y[42]+50*y[43]-99*y[44]-69/2*y[45]-46/3*y[46]-92
/3*y[47]-70*y[48]+42*y[49]+56*y[50]-56*y[51]-28*y[52]+81*y[53]-84*y[54]+36*y[
55]-24*y[56]-75*y[57]-84*y[58];
F20 := -22/7*y[7]-7/3*y[8]+52/21*y[9]+26/21*y[10]+65/7*y[11]-13/3*y[12]-36/7*y
[13]-165/7*y[44]+15*y[59]-45/7*y[60]-360/7*y[61]+460/21*y[62]+230/21*y[63]-250
/21*y[64]-625/21*y[65]+135/7*y[66]-460/7*y[67]+1080/7*y[68]-230/7*y[69]-45*y[
70];
F21 := 26*y[1]-16*y[7]-18*y[8]-107/10*y[9]-11/2*y[10]+16*y[11]-8*y[12]-13/2*y[
13]-160*y[42]-440/3*y[43]+24*y[44]-21/2*y[45]+115/2*y[46]+323/3*y[47]+590/3*y[
48]-218*y[49]+40*y[50]+46/3*y[51]-35/2*y[59]+75/2*y[60]-105*y[61]+455/6*y[62]+
30*y[63]+11/2*y[64]-20*y[65]+225/2*y[66]+455/2*y[67]-315*y[68]+90*y[69]-105/2*
y[70]+115*y[71]-45*y[72]+32*y[73]-30*y[74]-99/5*y[75]-175/3*y[76]+850/3*y[77]+
490/3*y[78]-793/3*y[79]+120*y[80]+57*y[81];
F22 := -42*y[1]-12/7*y[7]+2*y[8]+669/35*y[9]+13/7*y[10]-18/7*y[11]-y[12]+23/7*
y[13]+210*y[42]+120*y[43]+99/7*y[44]-96*y[45]-155/2*y[46]-67*y[47]-190*y[48]+
213*y[49]-13*y[50]-53*y[51]+45/2*y[59]-225/7*y[60]+90/7*y[61]-365/7*y[62]+115/
7*y[63]+8/7*y[64]-295/7*y[65]-270/7*y[66]-2475/7*y[67]+3510/7*y[68]-345/7*y[69]
-135/2*y[70]-105*y[71]+135*y[72]-7*y[73]-80*y[74]+24/5*y[75]+35*y[76]-440*y[
77]-140*y[78]+304*y[79]-85*y[80]-57*y[81];
F23 := 68*y[1]-52*y[7]-18*y[8]-48/5*y[9]-22*y[10]+16*y[11]-8*y[12]-56*y[13]-\
220*y[42]-1040/3*y[43]+96*y[44]-168*y[45]+75*y[46]+164/3*y[47]+1550/3*y[48]-\
512*y[49]+112*y[50]+64/3*y[51]-70*y[59]+105*y[60]-240*y[61]+400/3*y[62]+120*y[
63]+60*y[64]-20*y[65]+315*y[66]+400*y[67]-720*y[68]+360*y[69]-210*y[70]+250*y[
71]+90*y[72]+114*y[73]-280*y[74]-348/5*y[75]-490/3*y[76]+2080/3*y[77]+1120/3*y
[78]-1216/3*y[79]+200*y[80]+81*y[81];
F24 := -32/3*y[1]+16/21*y[7]-7/3*y[8]+463/210*y[9]-17/14*y[10]+38/21*y[11]-5/3
*y[12]-115/42*y[13]+25/3*y[42]+530/9*y[43]-44/7*y[44]-19*y[45]-40/3*y[46]-337/
18*y[47]-500/9*y[48]+188/3*y[49]-28/3*y[50]-70/9*y[51]+40/3*y[59]-110/7*y[60]+
65/7*y[61]-1805/126*y[62]+290/21*y[63]-125/21*y[64]-365/21*y[65]-195/7*y[66]-\
4565/42*y[67]+1275/7*y[68]+60/7*y[69]-5*y[70]-65/6*y[71]+15*y[72]+1/3*y[73]-35
/2*y[74]-33/10*y[75]+175/9*y[76]-1180/9*y[77]-490/9*y[78]+760/9*y[79]-40*y[80]
-19*y[81];
F25 := 12*y[1]+170/7*y[7]+23*y[8]+186/35*y[9]+111/7*y[10]+486/7*y[11]-50*y[12]
+226/7*y[13]-80*y[42]+185/3*y[43]-132/7*y[44]-9*y[45]-4*y[46]-68/3*y[47]-50/3*
y[48]+65*y[49]-16*y[50]+202/3*y[51]+5*y[59]-135/14*y[60]-540/7*y[61]+230/7*y[
62]+150/7*y[63]-125/7*y[64]+55/7*y[65]+405/14*y[66]-690/7*y[67]+1620/7*y[68]-\

```

$240/7*y[69]-120*y[70]+80*y[71]-38*y[73]-80*y[74]+146/5*y[75]+35/2*y[76]-40*y[77]+140*y[78]-40*y[80]-19*y[81];$
F26 := $-110/3*y[1]+814/21*y[7]+217/3*y[8]+572/21*y[9]+629/21*y[10]+1844/21*y[11]-74*y[12]+1360/21*y[13]+610/3*y[42]+2240/9*y[43]-44/7*y[44]-94*y[45]-665/6*y[46]-1280/9*y[47]-2795/9*y[48]+1340/3*y[49]-340/3*y[50]+668/9*y[51]+395/6*y[59]-1165/14*y[60]-880/7*y[61]-220/63*y[62]+1270/21*y[63]-359/7*y[64]-250/7*y[65]-1335/14*y[66]-11260/21*y[67]+6000/7*y[68]-570/7*y[69]-325/2*y[70]-70/3*y[71]+150*y[72]-224/3*y[73]-190*y[74]+276/5*y[75]+1925/18*y[76]-5680/9*y[77]+140/9*y[78]+3496/9*y[79]-280*y[80]-133*y[81];$
F27 := $-895/101*y[2]+1680/101*y[8]+1105/101*y[9]+5/101*y[10]-600/101*y[11]+755/101*y[12]-4025/101*y[13]-317/101*y[14]+11400/101*y[15]-424/101*y[16]+1080/101*y[17]-2835/202*y[18]-5850/101*y[19]+480/101*y[20]+2440/303*y[41]-71120/303*y[52]-7680/101*y[53]+58800/101*y[54]+3180/101*y[55]-8884/101*y[56]+6700/101*y[57]-12980/303*y[58]-2175/101*y[59]-925/101*y[60]+24400/101*y[61]-23125/101*y[62]-5250/101*y[63]+6700/101*y[64]+11375/101*y[65]+4975/101*y[66]+64125/101*y[67]-66800/101*y[68]-23750/303*y[69]+14850/101*y[70]-5875/101*y[71]+3750/101*y[72]-15*y[75]-2550/101*y[76]+9000/101*y[77]-7125/101*y[78]+4600/101*y[79]+7500/101*y[80]-2700/101*y[81];$
F28 := $4*y[8]-8/3*y[9]+2/3*y[10]-6*y[11]+4*y[12]-46/15*y[14]+32*y[15]-176/15*y[16]-16/3*y[17]+11/3*y[18]-6*y[19]+4*y[20]+16/3*y[41]+32/3*y[52]+162*y[53]-32*y[54]-56/5*y[56]+10*y[57]-32/3*y[58]-5*y[59]-50/3*y[60]+160/3*y[61]-200/3*y[62]+100/9*y[63]+10/3*y[64]+30*y[66]-100*y[69]+45*y[70]-15/2*y[76];$
F29 := $-6*y[8]+10*y[9]+6*y[11]+2*y[12]-30*y[13]+72*y[15]+8*y[17]-11*y[18]-48*y[19]+11*y[20]-160*y[52]-180*y[53]+480*y[54]-45/2*y[59]-5*y[60]+160*y[61]-150*y[62]-50/3*y[63]+50*y[64]+100*y[65]+15*y[66]+450*y[67]-480*y[68]+50*y[69]+135/2*y[70];$
F30 := $-5/6*y[9]+5/6*y[10]+5/2*y[13]-7/3*y[14]+10*y[15]-11/3*y[16]-20/3*y[17]+55/12*y[18]+20/3*y[52]+90*y[53]-20*y[54]-25/4*y[59]-25/3*y[60]+50/3*y[61]-125/6*y[62]+125/9*y[63]+25/6*y[64]+25*y[66]+125/2*y[67]-50*y[68]-125/3*y[69]+75/4*y[70];$
F31 := $-475/101*y[2]+570/101*y[8]+803/606*y[9]-1595/606*y[10]-420/101*y[11]+377/101*y[12]-4019/202*y[13]-3076/1515*y[14]+3536/101*y[15]-1826/1515*y[16]-358/303*y[17]-6655/1212*y[18]-2277/101*y[19]+336/101*y[20]-716/303*y[41]-8380/101*y[52]+7350/101*y[53]+16516/101*y[54]+408/101*y[55]-23216/505*y[56]+1660/101*y[57]-13328/303*y[58]-5585/404*y[59]-2195/303*y[60]+29020/303*y[61]-56725/606*y[62]-12875/909*y[63]+18545/606*y[64]+4175/101*y[65]+2725/101*y[66]+44325/202*y[67]-22520/101*y[68]-16625/303*y[69]+18855/404*y[70]-2850/101*y[71]+3130/101*y[72]-5*y[73]-25*y[74]-2055/202*y[76]+8800/303*y[77]-2715/101*y[78]+1200/101*y[79]+5250/101*y[80]-1890/101*y[81];$
F32 := $585/202*y[2]+255/101*y[8]+1735/404*y[9]+2005/404*y[10]+450/101*y[11]-375/202*y[12]+1975/404*y[13]-343/101*y[14]+8115/101*y[15]-1904/101*y[16]+2725/101*y[17]-2605/808*y[18]-315/202*y[19]-360/101*y[20]+3430/101*y[41]-1410/101*y[52]+1215/101*y[53]+13470/101*y[54]-6930/101*y[55]+7572/101*y[56]-5025/101*y[57]+4760/101*y[58]+5475/808*y[59]-4925/202*y[60]+6950/101*y[61]-31625/404*y[62]-1625/606*y[63]-2425/404*y[64]+1875/202*y[65]-3675/202*y[66]+34875/404*y[67]-10500/101*y[68]-13375/202*y[69]+69975/808*y[70]-10125/202*y[71]+975/101*y[72]-1875/101*y[76]-6750/101*y[77]+3450/101*y[78]-925/101*y[79]-5625/101*y[80]+2025/101*y[81];$
F33 := $1405/101*y[2]-1080/101*y[8]-5099/606*y[9]+731/606*y[10]-480/101*y[11]-2/101*y[12]+7195/202*y[13]+2761/1515*y[14]+1444/101*y[15]-25894/1515*y[16]+5218/303*y[17]+3865/1212*y[18]+2592/101*y[19]+384/101*y[20]+5588/303*y[41]+14028/101*y[52]+22944/101*y[53]-47092/101*y[54]-2304/101*y[55]+20216/505*y[56]-9790/101*y[57]+28400/303*y[58]+10715/404*y[59]-4240/303*y[60]-28300/303*y[61]+53125/606*y[62]+10175/909*y[63]-33995/606*y[64]-6050/101*y[65]-5110/101*y[66]-101925/202*y[67]+55640/101*y[68]-26575/303*y[69]-11565/404*y[70]-2175/101*y[71]+980/101*y[72]-2565/202*y[76]-59200/303*y[77]+7935/101*y[78]-4400/101*y[79]-9150/101*y[80]+3900/101*y[81];$
F34 := $380/101*y[2]+150/101*y[8]-200/303*y[9]-1180/303*y[10]-3300/101*y[11]+1880/101*y[12]+840/101*y[13]+6940/303*y[14]+12200/101*y[15]-1744/303*y[16]+21860/303*y[17]-9880/303*y[18]-4905/101*y[19]+2640/101*y[20]+7360/303*y[41]-7840/101*y[52]+12300/101*y[53]-20000/101*y[54]+8400/101*y[55]+5072/101*y[56]-38900/101*y[57]-32000/303*y[58]+1325/202*y[59]-14000/303*y[60]+59200/303*y[61]-47000/303*y[62]-20000/909*y[63]-5600/303*y[64]+5750/101*y[65]-14300/101*y[66]-45000/101*y[67]+56800/101*y[68]-17000/303*y[69]+4275/202*y[70]-750/101*y[71]+2950/101*y[72]-5325/202*y[76]-104000/303*y[77]-5100/101*y[78]+15200/101*y[79]-9250/101*y[80]+7875/101*y[81];$
F35 := $405/101*y[2]-1092/101*y[8]-592/101*y[9]+224/101*y[10]+390/101*y[11]-112/101*y[12]+1278/101*y[13]-712/505*y[14]+2892/101*y[15]-13772/505*y[16]-1712/$

$101*y[17]+2979/202*y[18]+924/101*y[19]-211/101*y[20]+2232/101*y[41]+7464/101*y[52]+20142/101*y[53]-15192/101*y[54]+660/101*y[55]-7386/505*y[56]+5745/101*y[57]+6886/101*y[58]+555/202*y[59]-2050/101*y[60]-1720/101*y[61]-750/101*y[62]+8975/303*y[63]-1830/101*y[64]-2975/101*y[65]+2700/101*y[66]-5700/101*y[67]+5040/101*y[68]-10425/101*y[69]+7965/202*y[70]-600/101*y[71]-165/101*y[72]-615/101*y[76]-800/101*y[77]+3495/101*y[78]-4000/101*y[79]-4875/101*y[80]+1755/101*y[81];$
 $F36 := -310/101*y[2]-436/101*y[8]+716/303*y[9]-2684/303*y[10]-1720/101*y[11]+1390/101*y[12]-3492/101*y[13]+2428/1515*y[14]-4488/101*y[15]+18128/1515*y[16]-\backslash 3236/303*y[17]-20/303*y[18]+501/101*y[19]-1048/101*y[20]-2432/303*y[41]-11848/101*y[52]-7674/101*y[53]+15848/101*y[54]+4672/101*y[55]-26472/505*y[56]-5370/101*y[57]-9216/101*y[58]-1690/101*y[59]+4670/303*y[60]+15920/303*y[61]-9500/303*y[62]-19300/909*y[63]+12170/303*y[64]+5675/101*y[65]+290/101*y[66]+19700/101*y[67]-19120/101*y[68]+24500/303*y[69]-2880/101*y[70]-850/101*y[71]+1660/101*y[72]+770/101*y[76]+5600/101*y[77]-5780/101*y[78]+3200/303*y[79]+6350/101*y[80]-1680/101*y[81];$
 $F37 := -16/3*y[3]-4*y[14]+40/3*y[15]-2*y[16]+20/3*y[17]+5/3*y[18]+10*y[19]-10/3*y[20]-250/3*y[42]+50*y[43]+30*y[44]-80/3*y[45]+20/3*y[46]+445/9*y[47]-100/9*y[48]+10*y[49]+20/9*y[50]+80/9*y[51];$
 $F38 := 96/5*y[3]+6/5*y[14]+24*y[15]-42/5*y[16]-9*y[19]+3*y[20]-90*y[44]+75/2*y[45]-25*y[47]-50*y[48]+30*y[49]+10*y[50]-30*y[51];$
 $F39 := 24/5*y[3]+54/5*y[14]+60*y[15]+72/5*y[16]+6*y[17]-27*y[18]-189/2*y[19]+93/2*y[20]+45*y[42]-10*y[43]-135*y[44]+39/4*y[45]-21*y[46]-67*y[47]-30*y[48]-\backslash 12*y[49]+50*y[50]-54*y[51];$
 $F40 := -279*y[4]+3329/20*y[8]+467/50*y[9]+111/2*y[10]-831/20*y[11]+58/5*y[12]+1007/10*y[13]+99*y[21]-179/2*y[22]+603/2*y[23]+409*y[24]-3243/10*y[25]+180*y[26]-441*y[27]+717/5*y[28]+33/4*y[59]+33*y[60]-36*y[63]+98/5*y[64]+37*y[65]+99*y[66]-108*y[69]+99/4*y[70]+120*y[71]-282*y[72]+649/5*y[73]+34*y[74]-924/25*y[75]+5/2*y[76]+248*y[77]+710*y[78]-2604/5*y[79]-16*y[80]+423/5*y[81]+296/5*y[82]+1439/10*y[83]+333*y[84]-2155*y[85];$
 $F41 := -696*y[4]+2242/5*y[8]+1486/75*y[9]+442/3*y[10]-548/5*y[11]+136/5*y[12]+4166/15*y[13]+268*y[21]-274*y[22]+793*y[23]+3224/3*y[24]-4238/5*y[25]+580*y[26]-1176*y[27]+1664/5*y[28]+24*y[59]+96*y[60]-256/3*y[63]+728/15*y[64]+64*y[65]+288*y[66]-256*y[69]+72*y[70]+280*y[71]-764*y[72]+1888/5*y[73]+48*y[74]-3248/25*y[75]-5/3*y[76]+2048/3*y[77]+5480/3*y[78]-19264/15*y[79]-16/3*y[80]+1066/5*y[81]+2306/15*y[82]+5947/15*y[83]+4012/5*y[84]-15580/3*y[85];$
 $F42 := -288*y[4]+2079/10*y[8]+307/25*y[9]+65*y[10]-531/10*y[11]+66/5*y[12]+607/5*y[13]+138*y[21]-69*y[22]+531/2*y[23]+548*y[24]-1863/5*y[25]+240*y[26]-522*y[27]+504/5*y[28]+9*y[59]+36*y[60]+20*y[62]-32*y[63]+146/5*y[64]+24*y[65]+108*y[66]+60*y[67]-96*y[69]+27*y[70]+120*y[71]-354*y[72]+758/5*y[73]+38*y[74]-1008/25*y[75]+45/2*y[76]+336*y[77]+780*y[78]-2968/5*y[79]+18*y[80]+381/5*y[81]+402/5*y[82]+834/5*y[83]+294*y[84]-2250*y[85];$
 $F43 := -2709/2*y[4]+4319/5*y[8]+4709/150*y[9]+1699/6*y[10]-2167/10*y[11]+262/5*y[12]+16609/30*y[13]+506*y[21]-568*y[22]+3117/2*y[23]+2011*y[24]-16137/10*y[25]+1185*y[26]-2276*y[27]+3473/5*y[28]+237/4*y[59]+197*y[60]+40*y[61]-542/3*y[63]+1421/15*y[64]+271/2*y[65]+501*y[66]-160*y[67]-402*y[69]+501/4*y[70]+530*y[71]-1468*y[72]+11273/15*y[73]+68/3*y[74]-6636/25*y[75]-20*y[76]+3736/3*y[77]+3550*y[78]-36428/15*y[79]-34*y[80]+2122/5*y[81]+4402/15*y[82]+23263/30*y[83]+7874/5*y[84]-30110/3*y[85];$
 $F44 := -216*y[4]+1301/10*y[8]+569/75*y[9]+127/3*y[10]-419/10*y[11]+74/5*y[12]+1189/15*y[13]+72*y[21]-97/2*y[22]+813/4*y[23]+317*y[24]-1212/5*y[25]+120*y[26]-334*y[27]+601/5*y[28]+9/4*y[59]+9*y[60]+10*y[62]+26/3*y[63]+217/15*y[64]+17/2*y[65]+57*y[66]-20*y[67]-54*y[69]+57/4*y[70]+100*y[71]-221*y[72]+1441/15*y[73]-89/3*y[74]-252/25*y[75]+55/4*y[76]+512/3*y[77]+570*y[78]-6076/15*y[79]-28*y[80]+643/10*y[81]+1573/30*y[82]+6637/60*y[83]+1141/5*y[84]-5305/3*y[85];$
 $F45 := 85/2*y[4]-509/30*y[8]+743/450*y[9]-131/18*y[10]+13/15*y[11]+14/15*y[12]-1397/90*y[13]-y[21]+48*y[22]-91*y[23]-43/3*y[24]+437/10*y[25]-35*y[26]+172/3*y[27]-769/15*y[28]-17/4*y[59]-17*y[60]+166/9*y[63]-133/45*y[64]-83/6*y[65]-21*y[66]+160/3*y[67]+40*y[68]+26/3*y[69]+19/4*y[70]-50/3*y[71]+74/3*y[72]-1189/45*y[73]-64/9*y[74]+476/25*y[75]+95/6*y[76]-248/9*y[77]-290/3*y[78]+2044/45*y[79]+22/3*y[80]-311/15*y[81]+109/45*y[82]-1072/45*y[83]-1138/15*y[84]+2110/9*y[85];$
 $F46 := -65*y[4]+2857/60*y[8]+943/450*y[9]+263/18*y[10]-883/60*y[11]+64/15*y[12]+2663/90*y[13]+29*y[21]-17*y[22]+241/4*y[23]+352/3*y[24]-833/10*y[25]+80*y[26]-373/3*y[27]+376/15*y[28]+2*y[59]+8*y[60]-34/9*y[63]+217/45*y[64]+17/6*y[65]+14*y[66]+50/3*y[67]+46/3*y[69]+7/2*y[70]+80/3*y[71]-251/3*y[72]+1786/45*y[73]-\backslash 149/9*y[74]-224/25*y[75]+65/12*y[76]+632/9*y[77]+560/3*y[78]-5656/45*y[79]+2/3*y[80]+553/30*y[81]+2143/90*y[82]+7477/180*y[83]+862/15*y[84]-4570/9*y[85];$

F47 := $-885/2*y[4]+1139/4*y[8]+36/5*y[9]+275/3*y[10]-291/4*y[11]+18*y[12]+538/3*y[13]+170*y[21]-185*y[22]+1905/4*y[23]+695*y[24]-534*y[25]+375*y[26]-735*y[27]+177*y[28]+65/4*y[59]+65*y[60]-140/3*y[63]+28*y[64]+35*y[65]+195*y[66]-140*y[69]+195/4*y[70]+150*y[71]-485*y[72]+767/3*y[73]+10/3*y[74]-504/5*y[75]-25/4*y[76]+1120/3*y[77]+1150*y[78]-784*y[79]-40/3*y[80]+271/2*y[81]+187/2*y[82]+1023/4*y[83]+518*y[84]-3250*y[85]$;
 F48 := $-145*y[4]+679/6*y[8]+136/45*y[9]+250/9*y[10]-331/6*y[11]+22*y[12]+536/9*y[13]+80*y[21]-70/3*y[22]+185/2*y[23]+330*y[24]-186*y[25]+150*y[26]-910/3*y[27]+74/3*y[28]+5/2*y[59]+10*y[60]+20/9*y[63]+98/9*y[64]-5/3*y[65]+30*y[66]+20/3*y[69]+15/2*y[70]+50*y[71]-620/3*y[72]+614/9*y[73]-80/9*y[74]-56/5*y[75]+25*y[76]+1040/9*y[77]+1300/3*y[78]-2744/9*y[79]-10/3*y[80]+106/3*y[81]+631/9*y[82]+1699/18*y[83]+236/3*y[84]-11500/9*y[85]$;
 F49 := $-410*y[4]+2869/12*y[8]+331/90*y[9]+1375/18*y[10]-751/12*y[11]+16*y[12]+2711/18*y[13]+115*y[21]-1045/6*y[22]+490*y[23]+1645/3*y[24]-931/2*y[25]+350*y[26]-1985/3*y[27]+457/3*y[28]+55/4*y[59]+55*y[60]-440/9*y[63]+154/9*y[64]+110/3*y[65]+165*y[66]-440/3*y[69]+165/4*y[70]+100*y[71]-1210/3*y[72]+2047/9*y[73]-\ 340/9*y[74]-518/5*y[75]-125/6*y[76]+2320/9*y[77]+1050*y[78]-5992/9*y[79]-10*y[80]+413/3*y[81]+713/9*y[82]+2176/9*y[83]+1483/3*y[84]-26375/9*y[85]$;
 F50 := $-183/2*y[4]+347/5*y[8]+347/150*y[9]+121/6*y[10]-241/10*y[11]+36/5*y[12]+1327/30*y[13]+28*y[21]-13/2*y[22]+327/4*y[23]+178*y[24]-1281/10*y[25]+105*y[26]-170*y[27]+104/5*y[28]+3/2*y[59]+6*y[60]+4/3*y[63]+98/15*y[64]-y[65]+18*y[66]+4*y[69]+9/2*y[70]+30*y[71]-109*y[72]+794/15*y[73]-106/3*y[74]-168/25*y[75]+15/4*y[76]+208/3*y[77]+290*y[78]-2744/15*y[79]-2*y[80]+287/10*y[81]+977/30*y[82]+3203/60*y[83]+389/5*y[84]-2285/3*y[85]$;
 F51 := $15*y[5]-1619/780*y[14]-569/156*y[15]-899/390*y[16]-568/39*y[17]+284/39*y[18]+3*y[19]-2*y[20]-3473/312*y[21]+2269/104*y[22]-395/26*y[23]+4561/156*y[24]-1669/156*y[25]-1539/52*y[26]+121/26*y[27]-328/13*y[28]+405/52*y[29]-36/65*y[30]+324/65*y[31]-9/2*y[32]-57/26*y[33]+192/13*y[34]+5*y[35]-15/2*y[36]-49/13*y[42]+20*y[43]+70/13*y[44]+87/26*y[45]+23/13*y[46]-367/26*y[48]+132/13*y[49]-48/13*y[50]-102/13*y[51]+987/416*y[59]+3/13*y[60]-11*y[61]+185/52*y[62]+383/156*y[63]-287/52*y[64]-893/208*y[65]+11/39*y[66]+579/52*y[67]-1463/39*y[68]+1165/156*y[69]+261/32*y[70]+839/104*y[71]-107/26*y[72]+265/26*y[73]-457/104*y[74]-\ 63/26*y[75]-109/52*y[76]+94/13*y[77]+451/52*y[78]+251/13*y[79]-287/26*y[80]+447/104*y[81]$;
 F52 := $-23/52*y[14]-77/52*y[15]+82/65*y[16]-3/13*y[17]+3/26*y[18]-733/104*y[21]+1203/104*y[22]-153/52*y[23]-31/52*y[24]-34/13*y[25]-369/52*y[26]+54/13*y[27]-123/26*y[28]+405/52*y[29]-153/65*y[30]+324/65*y[31]+27/4*y[32]-126/13*y[33]+36/13*y[34]+3/13*y[42]-99/13*y[44]+63/13*y[45]+33/26*y[46]-81/26*y[48]+54/13*y[49]-48/13*y[50]-24/13*y[51]+1611/416*y[59]-43/39*y[60]-44/3*y[61]+315/52*y[62]+19/156*y[63]-131/52*y[64]-477/208*y[65]+21/13*y[66]+657/52*y[67]+132/13*y[68]-45/52*y[69]-27/32*y[70]+267/104*y[71]+57/13*y[72]+57/26*y[73]-561/104*y[74]-\ 63/26*y[75]-57/52*y[76]-114/13*y[77]+165/52*y[78]-9/13*y[79]+51/26*y[80]-99/104*y[81]$;
 F53 := $-426/7*y[5]+1558/1365*y[14]+6421/273*y[15]+1388/1365*y[16]+5498/273*y[17]-5693/546*y[18]-27/2*y[19]+12*y[20]+5675/156*y[21]-5927/91*y[22]+2579/52*y[23]-50677/546*y[24]+43067/1092*y[25]+22983/182*y[26]-1301/182*y[27]+8965/182*y[28]-9684/455*y[29]-342/455*y[30]-14004/455*y[31]+171/10*y[32]-1929/455*y[33]-\ 22236/455*y[34]-81/5*y[35]+2901/70*y[36]-264/35*y[37]+200/13*y[42]-354/7*y[43]+1250/91*y[44]-1800/91*y[45]-451/91*y[46]-2*y[47]+4526/91*y[48]-2802/91*y[49]-\ 144/91*y[50]+2840/91*y[51]-4905/728*y[59]+2614/273*y[60]+1166/21*y[61]-1041/91*y[62]-2875/273*y[63]+174/13*y[64]+9389/364*y[65]-974/39*y[66]-6420/91*y[67]-\ 17974/273*y[68]+8417/273*y[69]+207/56*y[70]-113/26*y[71]+1016/91*y[72]-12353/910*y[73]-43/91*y[74]+5496/2275*y[75]-1445/364*y[76]-4320/91*y[77]+3923/91*y[78]-7034/91*y[79]-2075/91*y[80]+9/65*y[81]$;
 F54 := $-36*y[5]+509/260*y[14]+417/52*y[15]+329/65*y[16]+309/13*y[17]-553/52*y[18]-9/2*y[19]+6*y[20]+1551/52*y[21]-5817/104*y[22]+4179/104*y[23]-2063/26*y[24]+3459/104*y[25]+1629/26*y[26]+21/52*y[27]+2757/52*y[28]-2421/260*y[29]-114/65*y[30]-612/65*y[31]+459/20*y[32]-864/65*y[33]-1926/65*y[34]-99/10*y[35]+477/20*y[36]-54/5*y[37]+237/13*y[42]-59*y[43]-99/13*y[44]-132/13*y[45]-55/13*y[46]+7*y[47]+803/26*y[48]-219/13*y[49]-22/13*y[50]+262/13*y[51]-261/416*y[59]+3/13*y[60]+11*y[61]-725/52*y[62]-11/52*y[63]+259/52*y[64]+1239/208*y[65]+21/13*y[66]-2229/52*y[67]+561/13*y[68]-45/52*y[69]-135/32*y[70]-201/104*y[71]+239/13*y[72]-3421/260*y[73]-743/104*y[74]-93/650*y[75]-621/104*y[76]-192/13*y[77]+1179/52*y[78]-789/13*y[79]-72/13*y[80]-4161/520*y[81]$;
 F55 := $-405/7*y[5]+100699/10920*y[14]+43843/2184*y[15]+6529/546*y[16]+12463/273*y[17]-48721/2184*y[18]-195/8*y[19]+17*y[20]+13717/156*y[21]-159953/1456*y[22]+17305/208*y[23]-31999/273*y[24]+221527/4368*y[25]+6147/91*y[26]+179/728*y[27]+77699/728*y[28]-25965/728*y[29]-237/455*y[30]-22527/910*y[31]+549/8*y[32]-\$

$1083/91*y[33]-6081/91*y[34]-93/4*y[35]+1569/56*y[36]+6/7*y[37]+911/26*y[42]-\backslash$
 $1233/14*y[43]-5431/182*y[44]+1083/182*y[45]-1011/91*y[46]+35/2*y[47]+26175/364$
 $*y[48]-10833/182*y[49]+815/91*y[50]+4639/91*y[51]-109653/5824*y[59]-965/91*y[$
 $60]+957/14*y[61]-49705/728*y[62]-4827/728*y[63]-867/104*y[64]+16879/2912*y[65]$
 $+134/39*y[66]-17109/728*y[67]+104885/546*y[68]-158239/2184*y[69]+21753/448*y[$
 $70]-14471/208*y[71]+3201/182*y[72]-11785/728*y[73]+13277/1456*y[74]-6351/1820*$
 $y[75]-22223/1456*y[76]+4612/91*y[77]-7025/728*y[78]-14243/182*y[79]-6733/182*y$
 $[80]+2853/208*y[81];$
 $F56 := -111/7*y[5]+571/520*y[14]+9701/728*y[15]-957/182*y[16]-61/13*y[17]+1929$
 $/728*y[18]-729/56*y[19]+9*y[20]+4023/364*y[21]+41595/1456*y[22]-5013/1456*y[23$
 $]-920/91*y[24]+2255/208*y[25]+276/91*y[26]+1623/728*y[27]+4839/728*y[28]-33237$
 $/3640*y[29]-2979/455*y[30]-5463/910*y[31]+14283/280*y[32]-11709/455*y[33]-\backslash$
 $11391/455*y[34]-2283/140*y[35]+5409/280*y[36]+108/5*y[37]+291/26*y[42]-81/14*y$
 $[43]-843/182*y[44]+3153/182*y[45]-165/182*y[46]-1/2*y[47]+9299/364*y[48]-4401/$
 $182*y[49]-85/91*y[50]+1927/91*y[51]-75273/5824*y[59]-197/91*y[60]+201/14*y[61]$
 $-26693/728*y[62]+12993/728*y[63]-1267/104*y[64]-48309/2912*y[65]+2300/91*y[66]$
 $+15231/728*y[67]+77/26*y[68]-1201/728*y[69]+14589/448*y[70]-6765/1456*y[71]-\backslash$
 $128/13*y[72]+83883/3640*y[73]-6831/1456*y[74]-100431/9100*y[75]-18763/1456*y[$
 $76]+492/91*y[77]-1741/728*y[78]+2833/182*y[79]-809/26*y[80]+251703/7280*y[81];$
 $F57 := 2/7*y[5]+1403/4095*y[14]+110/819*y[15]-11552/4095*y[16]-5246/819*y[17]+$
 $5441/1638*y[18]+1/2*y[19]-4/3*y[20]-1277/468*y[21]+5435/546*y[22]-719/156*y[23$
 $]+17035/1638*y[24]-11987/3276*y[25]-115/182*y[26]-1723/546*y[27]-5521/546*y[28$
 $]-1497/455*y[29]+1542/455*y[30]+552/455*y[31]-57/10*y[32]+3793/455*y[33]-1548/$
 $455*y[34]+7/5*y[35]-547/70*y[36]+88/35*y[37]-212/39*y[42]+118/7*y[43]+4798/273$
 $*y[44]-352/91*y[45]-11/273*y[46]-14/3*y[47]+248/273*y[48]-298/91*y[49]+760/273$
 $*y[50]+16/273*y[51]-531/182*y[59]-470/273*y[60]+22/21*y[61]-388/91*y[62]+914/$
 $273*y[63]-43/39*y[64]-113/546*y[65]+722/117*y[66]+607/91*y[67]+6886/819*y[68]-\backslash$
 $7472/819*y[69]-3/28*y[70]-77/39*y[71]-2612/273*y[72]+4373/2730*y[73]+4013/546*$
 $y[74]+5518/2275*y[75]+3041/1092*y[76]-496/273*y[77]-164/273*y[78]+2554/273*y[$
 $79]-517/91*y[80]+679/130*y[81];$
 $F58 := 99/52*y[14]-175/52*y[15]+3/13*y[16]+5/13*y[17]-5/26*y[18]+615/104*y[21]$
 $-1095/104*y[22]+255/52*y[23]-35/52*y[24]+35/13*y[25]-165/52*y[26]-90/13*y[27]+$
 $465/26*y[28]-675/52*y[29]-27/13*y[30]+9/13*y[31]+225/26*y[33]-60/13*y[34]-5/13$
 $*y[42]-160/13*y[44]+25/13*y[45]-55/26*y[46]+135/26*y[48]-90/13*y[49]+80/13*y[$
 $50]+40/13*y[51]-345/416*y[59]-5/13*y[60]-395/52*y[62]+55/156*y[63]+45/52*y[64]$
 $+15/208*y[65]+155/39*y[66]-1485/52*y[67]+2200/39*y[68]-35/156*y[69]-495/32*y[$
 $70]-445/104*y[71]-95/13*y[72]-95/26*y[73]+935/104*y[74]+105/26*y[75]+95/52*y[$
 $76]+190/13*y[77]-275/52*y[78]+15/13*y[79]-85/26*y[80]+165/104*y[81];$
 $F59 := 6*y[5]-997/390*y[14]-11/78*y[15]+3/26*y[16]-349/78*y[17]+43/26*y[18]+3/$
 $8*y[19]+1/2*y[20]-9179/624*y[21]+1851/104*y[22]-2025/208*y[23]+1161/104*y[24]-\backslash$
 $5231/624*y[25]-9/104*y[26]+589/104*y[27]-1657/104*y[28]+3051/260*y[29]-31/130*$
 $y[30]+24/13*y[31]-63/40*y[32]-2619/260*y[33]+851/65*y[34]+23/20*y[35]+51/40*y[$
 $36]-1/5*y[37]-35/13*y[42]+59/6*y[43]+139/26*y[44]+6/13*y[45]+407/156*y[46]-7/6$
 $*y[47]-383/39*y[48]+235/26*y[49]-205/39*y[50]-239/39*y[51]+901/104*y[59]+323/$
 $78*y[60]-55/6*y[61]+4081/156*y[62]-232/39*y[63]+11/78*y[64]-123/104*y[65]-399/$
 $26*y[66]-236/13*y[67]-935/26*y[68]+451/26*y[69]-141/16*y[70]+217/52*y[71]+137/$
 $39*y[72]+8551/1560*y[73]-2153/312*y[74]-2347/650*y[75]-135/208*y[76]-139/13*y[$
 $77]+51/52*y[78]+118/13*y[79]+201/52*y[80]-49/520*y[81];$
 $F60 := -75/7*y[5]+4553/32760*y[14]+21341/6552*y[15]+30439/8190*y[16]+6605/819*$
 $y[17]-25913/6552*y[18]-43/8*y[19]+16/3*y[20]+2161/234*y[21]-51223/4368*y[22]+$
 $6155/624*y[23]-38503/1638*y[24]+95909/13104*y[25]+5443/182*y[26]+13849/2184*y[$
 $27]+25201/2184*y[28]+2271/728*y[29]-159/455*y[30]+873/910*y[31]+177/8*y[32]-\backslash$
 $1655/91*y[33]-829/91*y[34]-21/4*y[35]+569/56*y[36]-44/7*y[37]+601/78*y[42]-643$
 $/42*y[43]-2045/546*y[44]+563/182*y[45]-62/91*y[46]+25/6*y[47]+12745/1092*y[48]$
 $-1681/182*y[49]-225/91*y[50]+843/91*y[51]+63039/5824*y[59]-295/273*y[60]-11/14$
 $*y[61]+7235/728*y[62]-17237/2184*y[63]+103/312*y[64]+16889/8736*y[65]-1106/117$
 $*y[66]-26833/728*y[67]+103015/1638*y[68]-49409/6552*y[69]-7419/448*y[70]-11641$
 $/624*y[71]+1537/182*y[72]+2657/2184*y[73]-16693/4368*y[74]-1811/364*y[75]-7871$
 $/1456*y[76]+1772/273*y[77]-2605/728*y[78]-6953/546*y[79]-4313/546*y[80]+1033/$
 $208*y[81];$
 $F61 := -73/7*y[5]+269/10920*y[14]+3583/728*y[15]-3739/2730*y[16]+118/91*y[17]+$
 $2861/2184*y[18]-33/56*y[19]+2*y[20]+9131/2184*y[21]+1317/1456*y[22]+5287/1456*$
 $y[23]-5207/364*y[24]+9537/1456*y[25]+857/52*y[26]+5199/728*y[27]+3427/728*y[28$
 $]-28611/3640*y[29]-54/65*y[30]-471/130*y[31]+6399/280*y[32]-1617/130*y[33]-\backslash$
 $4493/455*y[34]-579/140*y[35]+3177/280*y[36]-72/35*y[37]+165/26*y[42]-145/14*y[$
 $43]+1041/182*y[44]+283/182*y[45]-11/13*y[46]+5/6*y[47]+13955/1092*y[48]-267/26$
 $*y[49]-199/273*y[50]+2689/273*y[51]+22885/5824*y[59]+246/91*y[60]+11/42*y[61]+$
 $1567/2184*y[62]-407/2184*y[63]+485/312*y[64]+1241/2912*y[65]-437/273*y[66]-\backslash$

$30923/728*y[67]+13009/546*y[68]+5497/312*y[69]-6369/448*y[70]-2479/1456*y[71]-\backslash$
 $122/273*y[72]+21499/3640*y[73]-591/208*y[74]-4959/1300*y[75]-22717/4368*y[76]-\backslash$
 $66/91*y[77]+809/312*y[78]-1919/546*y[79]-3022/273*y[80]+75249/7280*y[81];$
 $F62 := 107/130*y[14]+21/26*y[15]-79/65*y[16]+4/13*y[17]-2/13*y[18]+77/52*y[21]$
 $-87/52*y[22]-93/26*y[23]-1/26*y[24]+69/26*y[25]-27/26*y[26]-33/13*y[27]+108/13$
 $*y[28]+81/26*y[29]-108/65*y[30]+36/65*y[31]-27/13*y[33]-48/13*y[34]-30/13*y[42]$
 $] +132/13*y[44]-45/13*y[45]+21/26*y[46]+93/13*y[48]-72/13*y[49]+12/13*y[50]+32/$
 $13*y[51]-489/208*y[59]+14/39*y[60]+22/3*y[61]-249/26*y[62]+113/78*y[63]+22/13*$
 $y[64]-33/104*y[65]-2/13*y[66]-711/26*y[67]+110/13*y[68]+121/26*y[69]-63/16*y[$
 $70]+225/52*y[71]+17/26*y[72]-63/26*y[73]-81/52*y[74]+42/13*y[75]-27/26*y[76]-\backslash$
 $160/13*y[77]+33/26*y[78]+12/13*y[79]+18/13*y[80]+33/26*y[81];$
 $F63 := -53/78*y[14]+329/78*y[15]-358/195*y[16]+2/39*y[17]-1/39*y[18]-709/156*y$
 $[21]-21/52*y[22]+69/26*y[23]-319/78*y[24]+14/39*y[25]+301/26*y[26]-38/13*y[27]$
 $-47/13*y[28]-45/26*y[29]+138/65*y[30]+6/65*y[31]-9*y[32]+93/13*y[33]-8/13*y[34]$
 $] -70/13*y[42]+4*y[43]+100/13*y[44]-66/13*y[45]+5/13*y[46]+9/13*y[48]-12/13*y[$
 $49]+28/13*y[50]-12/13*y[51]-595/208*y[59]+34/13*y[60]+69/26*y[62]+229/78*y[63]$
 $+3/26*y[64]-155/104*y[65]+194/39*y[66]+291/26*y[67]-1232/39*y[68]+743/78*y[69]$
 $-21/16*y[70]+525/52*y[71]-4/13*y[72]-2/13*y[73]-59/52*y[74]+7/13*y[75]-11/26*y$
 $[76]+8/13*y[77]+77/26*y[78]+28/13*y[79]-23/13*y[80]+11/52*y[81];$
 $F64 := 3*y[5]-797/780*y[14]-275/156*y[15]+161/195*y[16]-163/39*y[17]+163/78*y[$
 $18]-2525/312*y[21]+1967/104*y[22]-431/52*y[23]+2233/156*y[24]-322/39*y[25]-\backslash$
 $1067/52*y[26]+81/13*y[27]-399/26*y[28]-297/260*y[29]-3/13*y[30]+213/65*y[31]+$
 $27/5*y[32]-681/130*y[33]+608/65*y[34]+6/5*y[35]-9/5*y[36]+12/5*y[37]+141/13*y[$
 $42]-38/13*y[44]+75/13*y[45]-9/26*y[46]-167/26*y[48]+68/13*y[49]-46/13*y[50]-\backslash$
 $134/39*y[51]+1565/416*y[59]-15/13*y[60]-22/3*y[61]+453/52*y[62]-251/156*y[63]-\backslash$
 $177/52*y[64]-267/208*y[65]-55/39*y[66]+1239/52*y[67]+22/39*y[68]-833/156*y[69]$
 $+195/32*y[70]-347/104*y[71]-127/39*y[72]+759/130*y[73]+49/104*y[74]-3461/650*y$
 $[75]+25/52*y[76]-32/39*y[77]+33/52*y[78]+58/13*y[79]-47/26*y[80]+863/520*y[81]$
 $;$
 $F65 := 26*y[5]-19933/4680*y[14]-6853/936*y[15]-4571/1170*y[16]-2467/117*y[17]+$
 $8815/936*y[18]+53/8*y[19]-17/3*y[20]-10025/234*y[21]+39407/624*y[22]-24457/624$
 $*y[23]+12827/234*y[24]-51937/1872*y[25]-1039/26*y[26]+2131/312*y[27]-16853/312$
 $*y[28]+6297/520*y[29]+43/65*y[30]+1293/130*y[31]-933/40*y[32]+283/130*y[33]+$
 $2541/65*y[34]+203/20*y[35]-529/40*y[36]+34/5*y[37]-587/78*y[42]+251/6*y[43]+$
 $443/78*y[44]+129/26*y[45]+301/78*y[46]-35/6*y[47]-5549/156*y[48]+677/26*y[49]-\backslash$
 $127/39*y[50]-305/13*y[51]+6805/832*y[59]+69/13*y[60]-143/6*y[61]+13531/312*y[$
 $62]-3605/936*y[63]-697/312*y[64]-4765/1248*y[65]-1438/117*y[66]+3533/104*y[67]$
 $-19855/234*y[68]+22229/936*y[69]-585/64*y[70]+9091/624*y[71]-106/13*y[72]+5797$
 $/520*y[73]-1197/208*y[74]-4239/1300*y[75]+1243/208*y[76]-664/39*y[77]+37/104*y$
 $[78]+2801/78*y[79]+289/26*y[80]-683/1040*y[81];$
 $F66 := -110/7*y[5]-31/105*y[14]-17/21*y[15]-96/35*y[16]-4/21*y[17]+11/7*y[18]+$
 $18/7*y[19]+163/42*y[21]+141/14*y[22]-25/14*y[23]-127/7*y[24]+230/21*y[25]+69/7$
 $*y[26]+6*y[27]+6*y[28]-9*y[29]+132/35*y[30]+12/7*y[31]+90/7*y[32]-30/7*y[33]-\backslash$
 $92/7*y[34]-32/7*y[35]+72/7*y[36]+36/7*y[37]+8*y[42]-160/21*y[43]-44/7*y[44]+26$
 $/7*y[45]-101/42*y[46]-32/3*y[47]+26/3*y[48]-40/7*y[49]+4/21*y[50]+172/21*y[51]$
 $+43/56*y[59]+18/7*y[60]+176/21*y[61]-130/21*y[62]-4/3*y[63]-1/2*y[64]+43/28*y[$
 $65]+146/21*y[66]-124/7*y[67]+352/21*y[68]-80/21*y[69]+237/56*y[70]+43/7*y[71]-\backslash$
 $281/42*y[72]+117/14*y[73]-33/14*y[74]-234/35*y[75]-26/7*y[76]-8*y[77]+74/7*y[$
 $78]-184/21*y[79]-31/7*y[80]+159/28*y[81];$
 $F67 := -621/112*y[5]-43639/29120*y[14]+16095/5824*y[15]-967/1040*y[16]-6789/$
 $1456*y[17]+1451/1456*y[18]-135/56*y[19]+9/4*y[20]+6087/1664*y[21]-58857/11648*$
 $y[22]+7023/5824*y[23]+37019/5824*y[24]-3669/2912*y[25]+130125/5824*y[26]-843/$
 $104*y[27]-22041/2912*y[28]-53163/4160*y[29]+94149/7280*y[30]-9531/1040*y[31]-\backslash$
 $24543/1120*y[32]+391977/14560*y[33]-2529/1820*y[34]+69/280*y[35]-621/80*y[36]+$
 $477/70*y[37]+1641/1456*y[42]+136/7*y[43]+2859/182*y[44]-7893/1456*y[45]-831/$
 $416*y[46]-21/4*y[47]-2125/416*y[48]+1125/364*y[49]-479/728*y[50]-115/104*y[51]$
 $-74127/46592*y[59]-283/1456*y[60]-11/28*y[61]+21297/5824*y[62]+1629/832*y[63]-\backslash$
 $7489/5824*y[64]-54375/23296*y[65]-8273/1456*y[66]+97299/5824*y[67]-20845/364*y$
 $[68]+41633/5824*y[69]+29151/3584*y[70]-91695/11648*y[71]-8367/1456*y[72]+6113/$
 $3640*y[73]+30197/11648*y[74]+315807/72800*y[75]+18715/5824*y[76]+437/52*y[77]+$
 $64073/5824*y[78]+969/182*y[79]-33723/2912*y[80]-73581/58240*y[81];$
 $F68 := 1269/56*y[5]-338453/43680*y[14]-9983/8736*y[15]-13993/1560*y[16]-77977/$
 $2184*y[17]+62767/4368*y[18]+573/112*y[19]-4*y[20]-110705/2496*y[21]+317575/$
 $5824*y[22]-54515/1456*y[23]+698875/8736*y[24]-313501/8736*y[25]+50031/2912*y[$
 $26]-3581/208*y[27]-59905/728*y[28]+11997/2080*y[29]+76467/3640*y[30]-2943/520*$
 $y[31]-10467/140*y[32]+384627/7280*y[33]+14223/455*y[34]+3393/280*y[35]-2397/80$
 $*y[36]+582/35*y[37]-16951/728*y[42]+2593/28*y[43]+18359/364*y[44]-7389/728*y[$
 $45]+867/208*y[46]-77/4*y[47]-9193/208*y[48]+11007/364*y[49]-1347/364*y[50]-\backslash$

$1451/52*y[51]+113949/23296*y[59]+6059/728*y[60]-407/28*y[61]+143573/2912*y[62]-685/1248*y[63]-3961/2912*y[64]-83411/11648*y[65]-68905/2184*y[66]+57315/2912*y[67]-240031/1092*y[68]+479239/8736*y[69]+171/1792*y[70]+86357/5824*y[71]-\backslash$
 $16543/728*y[72]+88677/7280*y[73]+29973/5824*y[74]+363267/36400*y[75]+9521/728*y[76]-565/26*y[77]+51613/2912*y[78]+19115/364*y[79]-16181/1456*y[80]+12939/29120*y[81];$
 $F69 := -705/56*y[5]+10373/14560*y[14]+15619/2912*y[15]+477/520*y[16]+1919/728*y[17]-1629/728*y[18]-135/28*y[19]+9/2*y[20]+14747/832*y[21]-161925/5824*y[22]+44907/2912*y[23]-21025/2912*y[24]+9043/1456*y[25]+148521/2912*y[26]-1041/52*y[27]+21219/1456*y[28]-1107/416*y[29]+35937/3640*y[30]-3951/520*y[31]-1431/112*y[32]+36513/1456*y[33]-4353/182*y[34]-87/28*y[35]-81/8*y[36]+45/7*y[37]-4155/728*y[42]+90/7*y[43]+969/91*y[44]-5121/728*y[45]-371/208*y[46]-5/2*y[47]+1095/208*y[48]-1479/182*y[49]+1845/364*y[50]+129/52*y[51]-85299/23296*y[59]-1711/728*y[60]+297/14*y[61]-41283/2912*y[62]+713/416*y[63]+995/2912*y[64]+2325/11648*y[65]-8077/728*y[66]-110601/2912*y[67]+3487/182*y[68]+17917/2912*y[69]-\backslash$
 $1341/1792*y[70]-48435/5824*y[71]-4195/728*y[72]-1247/364*y[73]+30785/5824*y[74]+69831/7280*y[75]+6535/2912*y[76]-147/26*y[77]+9557/2912*y[78]-270/91*y[79]-\backslash$
 $27423/1456*y[80]+21051/5824*y[81];$
 $F70 := 1657/56*y[5]-400159/43680*y[14]-179435/26208*y[15]-36797/4680*y[16]-\backslash$
 $262495/6552*y[17]+111793/6552*y[18]+113/14*y[19]-31/6*y[20]-143945/2496*y[21]+494565/5824*y[22]-524845/8736*y[23]+854635/8736*y[24]-564485/13104*y[25]-\backslash$
 $141763/8736*y[26]-33/13*y[27]-439109/4368*y[28]+16191/2080*y[29]+13275/728*y[30]-2481/520*y[31]-36609/560*y[32]+283971/7280*y[33]+46573/910*y[34]+5491/420*y[35]-1393/40*y[36]+811/35*y[37]-20575/2184*y[42]+5161/63*y[43]+3329/91*y[44]-\backslash$
 $4349/2184*y[45]+9091/1872*y[46]-385/18*y[47]-93247/1872*y[48]+18647/546*y[49]-\backslash$
 $5479/1092*y[50]-16697/468*y[51]+242659/23296*y[59]+25237/2184*y[60]-1199/42*y[61]+1828891/26208*y[62]-1785/416*y[63]+37189/26208*y[64]-193231/34944*y[65]-\backslash$
 $202547/6552*y[66]+239179/8736*y[67]-348931/1638*y[68]+1573067/26208*y[69]-\backslash$
 $23187/1792*y[70]+253609/17472*y[71]-55343/2184*y[72]+8186/455*y[73]+7325/17472*y[74]+156301/36400*y[75]+391397/26208*y[76]-2611/78*y[77]+417427/26208*y[78]+39782/819*y[79]+81103/13104*y[80]+4057/29120*y[81];$
 $F71 := 3701/112*y[5]-1079479/87360*y[14]-64419/5824*y[15]-281797/21840*y[16]-\backslash$
 $80575/1456*y[17]+7795/312*y[18]+717/56*y[19]-13/2*y[20]-869277/11648*y[21]+1415269/11648*y[22]-458483/5824*y[23]+2178691/17472*y[24]-157379/2912*y[25]-\backslash$
 $17673/5824*y[26]-749/104*y[27]-350027/2912*y[28]+93663/4160*y[29]+30675/1456*y[30]+31737/7280*y[31]-72117/1120*y[32]+438603/14560*y[33]+95149/1820*y[34]+3791/280*y[35]-18033/560*y[36]+147/5*y[37]-26805/1456*y[42]+2389/21*y[43]+4383/91*y[44]+6001/1456*y[45]+64175/8736*y[46]-337/12*y[47]-71701/1248*y[48]+12829/364*y[49]-11555/2184*y[50]-84473/2184*y[51]+822371/46592*y[59]+24935/1456*y[60]-2123/84*y[61]+1561537/17472*y[62]-9129/832*y[63]-2635/5824*y[64]-223941/23296*y[65]-9229/208*y[66]-45359/5824*y[67]-86647/364*y[68]+441283/5824*y[69]-\backslash$
 $71571/3584*y[70]+73539/11648*y[71]-151055/4368*y[72]+131067/3640*y[73]-75249/11648*y[74]-1227/72800*y[75]+8919/832*y[76]-2931/52*y[77]+83619/5824*y[78]+85879/1092*y[79]+6751/2912*y[80]+890361/58240*y[81];$
 $F72 := -1745/56*y[5]+155429/131040*y[14]+80035/26208*y[15]+30529/10920*y[16]+85103/6552*y[17]-535/104*y[18]-123/28*y[19]+13/2*y[20]+2081213/52416*y[21]-\backslash$
 $512695/17472*y[22]+99353/8736*y[23]-798625/26208*y[24]+303139/13104*y[25]+349411/8736*y[26]-823/156*y[27]+167569/4368*y[28]-8379/416*y[29]+14649/3640*y[30]-56337/3640*y[31]+3561/112*y[32]-8087/1456*y[33]-4465/182*y[34]-1133/84*y[35]+753/56*y[36]+15*y[37]+15191/2184*y[42]-1822/63*y[43]-2507/273*y[44]-1387/2184*y[45]-41317/13104*y[46]+91/18*y[47]+52231/1872*y[48]-13313/546*y[49]+2005/364*y[50]+57311/3276*y[51]+35781/23296*y[59]+8795/2184*y[60]+803/42*y[61]-\backslash$
 $361171/26208*y[62]-20759/3744*y[63]+130019/26208*y[64]+20429/11648*y[65]+4583/312*y[66]-386803/8736*y[67]+46981/546*y[68]-151009/8736*y[69]-3573/1792*y[70]-\backslash$
 $12827/5824*y[71]-33329/2184*y[72]+3449/1092*y[73]+505067/17472*y[74]-61137/7280*y[75]-4607/3744*y[76]+283/78*y[77]-532027/26208*y[78]-30449/819*y[79]+75809/13104*y[80]+34659/5824*y[81];$
 $F73 := 95/28*y[5]-68507/13104*y[14]-59635/4368*y[15]-7463/468*y[16]-14015/1092*y[17]+26485/1638*y[18]+395/14*y[19]-35/3*y[20]-71185/3744*y[21]+730325/8736*y[22]-48065/1456*y[23]-99325/13104*y[24]+15625/2184*y[25]-174505/4368*y[26]+2345/78*y[27]-4945/728*y[28]+129/208*y[29]-9743/364*y[30]+1161/52*y[31]+4005/56*y[32]-56747/728*y[33]+443/91*y[34]-613/42*y[35]+215/4*y[36]+68/7*y[37]+2505/364*y[42]-2080/63*y[43]-4360/273*y[44]+26905/1092*y[45]+5305/936*y[46]+35/9*y[47]+2555/936*y[48]+2585/273*y[49]-8705/546*y[50]+3265/234*y[51]+50385/11648*y[59]+4845/364*y[60]-605/21*y[61]+80785/13104*y[62]+17125/1872*y[63]+23503/13104*y[64]+2155/17472*y[65]+147935/3276*y[66]+55105/4368*y[67]-23705/819*y[68]+342505/13104*y[69]-225/896*y[70]+289235/8736*y[71]+11615/1092*y[72]+6949/182*y[73]-207745/8736*y[74]-26865/728*y[75]-291205/13104*y[76]-175/39*y[77]+$

276025/13104*y[78]-2027/819*y[79]-28835/6552*y[80]+73959/2912*y[81];
 F74 := -185/28*y[5]-82703/13104*y[14]-187277/13104*y[15]-2667/260*y[16]-11833/
 3276*y[17]+12773/1092*y[18]+180/7*y[19]-7*y[20]+22883/3744*y[21]+499913/8736*y
 [22]-119443/4368*y[23]-10873/13104*y[24]+29221/6552*y[25]-61301/4368*y[26]+
 1114/39*y[27]-275/2184*y[28]-27/208*y[29]-35247/1820*y[30]+3153/260*y[31]+4677
 /56*y[32]-57839/728*y[33]+443/91*y[34]-851/42*y[35]+201/4*y[36]+138/7*y[37]+
 9335/1092*y[42]-2822/63*y[43]-6544/273*y[44]+16349/1092*y[45]+3173/936*y[46]+
 49/9*y[47]+9367/936*y[48]+37/273*y[49]-1203/182*y[50]+2225/234*y[51]+25269/
 11648*y[59]+22907/1092*y[60]-451/21*y[61]-10579/13104*y[62]+15097/1872*y[63]+
 113411/13104*y[64]-5955/5824*y[65]+76369/1092*y[66]-44995/4368*y[67]+3443/273*
 y[68]+32677/1456*y[69]-10053/896*y[70]+84885/2912*y[71]+16711/1092*y[72]+13381
 /273*y[73]-239413/8736*y[74]-34509/728*y[75]-390941/13104*y[76]+7/39*y[77]+
 232709/13104*y[78]-9034/819*y[79]+47969/6552*y[80]+72867/2912*y[81];
 F75 := -1305/14*y[5]-45211/6552*y[14]-40585/6552*y[15]+355/78*y[16]+92635/1638
 *y[17]-950/91*y[18]+150/7*y[19]+10*y[20]+190375/1872*y[21]-245195/4368*y[22]+
 181585/2184*y[23]-998405/6552*y[24]+193385/3276*y[25]+251375/2184*y[26]+850/39
 *y[27]+128945/1092*y[28]-2367/104*y[29]-9015/182*y[30]+537/26*y[31]+6609/28*y[
 32]-83683/364*y[33]-1298/91*y[34]-1075/21*y[35]+345/2*y[36]-312/7*y[37]+22075/
 546*y[42]-12140/63*y[43]-10540/273*y[44]+5065/546*y[45]+625/468*y[46]+490/9*y[
 47]+30635/468*y[48]-290/273*y[49]-15985/273*y[50]+9505/117*y[51]+217825/5824*y
 [59]+7255/546*y[60]+110/7*y[61]-28415/6552*y[62]-21355/936*y[63]-28913/6552*y[
 64]+17705/2912*y[65]+10775/182*y[66]-75935/2184*y[67]+23650/91*y[68]-160045/
 2184*y[69]+28335/448*y[70]+6625/1456*y[71]+40735/546*y[72]+16570/273*y[73]-\n
 134945/4368*y[74]-195477/1820*y[75]-394945/6552*y[76]+2770/39*y[77]+166825/
 6552*y[78]-136186/819*y[79]-170795/3276*y[80]+12807/1456*y[81];
 F76 := -140*y[5]-1223/585*y[14]+5843/117*y[15]+7208/195*y[16]+11992/117*y[17]-\n
 646/13*y[18]-51*y[19]+56*y[20]+18731/117*y[21]-19109/78*y[22]+20513/78*y[23]-\n
 33986/117*y[24]+11849/234*y[25]+13094/39*y[26]+497/39*y[27]+6229/39*y[28]-315/
 13*y[29]+528/65*y[30]-1476/65*y[31]+195*y[32]-1844/13*y[33]-1464/13*y[34]-194/
 3*y[35]+129*y[36]-24*y[37]+1012/39*y[42]-1396/9*y[43]+1756/39*y[44]-1940/39*y[
 45]-1528/117*y[46]+644/9*y[47]+12418/117*y[48]-1492/39*y[49]-2464/39*y[50]+
 14192/117*y[51]+5117/104*y[59]-1016/39*y[60]+308/3*y[61]-2933/117*y[62]-4837/
 117*y[63]-2645/117*y[64]+657/52*y[65]-3160/39*y[66]-2807/39*y[67]+10780/39*y[
 68]-1603/13*y[69]+1239/8*y[70]-1551/26*y[71]+880/13*y[72]+605/39*y[73]-875/78*
 y[74]-4242/65*y[75]-7613/234*y[76]+1064/39*y[77]+4435/117*y[78]-29960/117*y[79
]-14104/117*y[80]-183/26*y[81];
 F77 := -36*y[6]-96*y[29]-12*y[30]+18*y[31]-27/4*y[32]+57*y[33]-50*y[34]-5*y[35
]+72*y[36]+y[37]-58*y[52]+369/2*y[53]+66*y[54]+12*y[55]-6*y[56]-105/2*y[57]-\n
 100*y[58];
 F78 := -12*y[6]-2*y[29]+2*y[30]-6*y[31]-9/4*y[32]-11*y[33]-20/3*y[34]+3/2*y[36
]-29/3*y[37]+22/3*y[52]-57/2*y[53]-58*y[54]+4*y[55]-2*y[56]-35/2*y[57]-100/3*y
 [58];
 F79 := -90*y[6]+18*y[31]-60*y[34]-15*y[35]+45/2*y[36]-60*y[58];
 F80 := -30*y[6]+10*y[29]+20*y[30]+6*y[31]-45/2*y[32]+10*y[33]-20/3*y[34]-15*y[
 36]+10/3*y[37]-20/3*y[52]-15*y[53]-20*y[54]+40*y[55]-8*y[56]-25*y[57]-160/3*y[
 58];
 F81 := -4*y[6]+58/3*y[29]+28/3*y[30]+10*y[31]-7*y[32]+4/3*y[33]-80/9*y[34]-12*
 y[36]+16/9*y[37]-8/9*y[52]-12*y[53]-8/3*y[54]+64/3*y[55]-32/3*y[56]+20/3*y[57]
 -40/9*y[58];
 F82 := -268/3*y[21]+82*y[22]-13*y[23]-14/3*y[24]-3*y[25]-74*y[26]-34*y[27]-6*y
 [28]+186*y[38]+24*y[39]-96*y[40]-362/15*y[82]+356/15*y[83]+162/5*y[84]+1102/3*
 y[85];
 F83 := -24*y[21]+28*y[22]-2*y[23]+44/3*y[24]-22*y[25]+4*y[26]+4*y[27]-4*y[28]-\n
 6*y[38]+36*y[40]+52/15*y[82]-76/15*y[83]-252/5*y[84]+508/3*y[85];
 F84 := -235/2*y[21]+105*y[22]-15*y[23]-20*y[24]-90*y[26]-36*y[27]+225*y[38]+18
 *y[39]-90*y[40]-167/5*y[82]+131/5*y[83]+231/5*y[84]+475*y[85];
 F85 := -10*y[29]+11*y[30]-15*y[31]-6*y[32]+14*y[33]+5*y[34]+7/3*y[35]-5/2*y[36
]-1/3*y[37]+95/2*y[38]+36/5*y[39]-29*y[40]+16/3*y[62]-8/3*y[63]-4*y[64]+10*y[
 65]+16*y[67]-8*y[69]+12*y[71]-14/3*y[72]+26/5*y[75]+7/6*y[76]+28/3*y[78]-16/3*
 y[79]-12*y[80];
 F86 := -5/2*y[30]-3/2*y[31]-15/2*y[34]-5/2*y[35]+5/4*y[36]+5/2*y[37]-75/4*y[38
]-15*y[39]+75/2*y[40]+20/3*y[62]-10/3*y[63]+20*y[67]-10*y[69]-10*y[71]-5/3*y[
 72]-5*y[75]+5/12*y[76]+10/3*y[78]+10*y[80];
 F87 := -4*y[29]-2*y[30]-6*y[31]-4*y[33]+2*y[34]-2/3*y[35]+3*y[36]-10/3*y[37]-5
 *y[38]+8/5*y[39]-2*y[40]+32/3*y[62]-16/3*y[63]+32*y[67]-16*y[69]-16*y[71]+4*y[
 72]-12/5*y[75]-y[76]-8*y[78]+32/3*y[79]+16*y[80]-4*y[81];
 F88 := -3*y[30]-9*y[31]+7*y[34]-y[35]-3/2*y[36]+3*y[37]+15/2*y[38]+72/5*y[39]-\n
 33*y[40]+10*y[72]+6/5*y[75]-5/2*y[76]-20*y[78]+16*y[79];

```

F89 := -1/2*y[8]-59/25*y[9]-21/5*y[11]+9/5*y[12]+33/5*y[13]-38/15*y[41]-3*y[42]
-7/2*y[43]-216/5*y[44]+66/5*y[45]-3*y[46]-27/5*y[47]-43/2*y[48]+183/10*y[49]-\
12/5*y[50]+7/15*y[51]-447/10*y[86]-42*y[87]+363/5*y[88]-19/5*y[89]-3/2*y[90]+
101/2*y[91]-15*y[92]-255/4*y[93]-109/6*y[94];
F90 := 3*y[8]-74/25*y[9]-36/5*y[11]+24/5*y[12]-2/5*y[13]-36/5*y[41]+2*y[42]-21
*y[43]+24/5*y[44]-44/5*y[45]-6*y[46]+118/5*y[47]-19*y[48]-21/5*y[49]+118/5*y[
50]-16/5*y[51]-381/5*y[86]-62*y[87]+198/5*y[88]+26/5*y[89]-9*y[90]+108*y[91]-\
10*y[92]-105/2*y[93]-69*y[94];
F91 := y[8]+3/50*y[9]+1/2*y[10]+6/5*y[11]-9/5*y[12]+49/10*y[13]+28/15*y[41]+3*
y[42]+16*y[43]-144/5*y[44]+213/10*y[45]+3/2*y[46]-231/10*y[47]+4*y[48]+36/5*y[
49]-78/5*y[50]+88/15*y[51]+21/5*y[86]+7*y[87]+132/5*y[88]-66/5*y[89]-21*y[90]-\
31/2*y[91]-5*y[92]+30*y[93]+7/3*y[94];
F92 := 2*y[8]-3/25*y[9]+y[10]+3/5*y[11]-12/5*y[12]+51/5*y[13]-16/15*y[41]-16*y
[42]+48*y[43]-327/5*y[44]+202/5*y[45]+3*y[46]-229/5*y[47]-3*y[48]+108/5*y[49]-\
134/5*y[50]+164/15*y[51]+93/5*y[86]+26*y[87]+306/5*y[88]-78/5*y[89]-33*y[90]-\
34*y[91]+15/2*y[93]+11/3*y[94];
F93 := -3/2*y[8]-27/25*y[9]-18/5*y[11]+12/5*y[12]+9/5*y[13]-158/5*y[41]-9*y[42]
-11/2*y[43]-108/5*y[44]+33/5*y[45]-171/5*y[47]-29/2*y[48]+189/10*y[49]+29/5*y
[50]-48/5*y[51]-111/10*y[86]-51*y[87]+69/5*y[88]-97/5*y[89]+81/2*y[90]-27/2*y[
91]+45*y[92]-315/4*y[93]-219/2*y[94];
F94 := 21*y[8]-6/25*y[9]-54/5*y[11]+6/5*y[12]+42/5*y[13]-204/5*y[41]-42*y[42]+
31*y[43]-144/5*y[44]-66/5*y[45]-5*y[46]-398/5*y[47]+19*y[48]+81/5*y[49]-8/5*y[
50]+86/5*y[51]-99/5*y[86]-48*y[87]+342/5*y[88]-246/5*y[89]+99*y[90]-138*y[91]+
150*y[92]-45/2*y[93]-241*y[94];
F95 := 3/5*y[14]+30*y[15]-46/5*y[16]-27/2*y[19]+8*y[20]-4*y[42]+5/3*y[43]+3*y[
45]+19/3*y[46]-8*y[47]+55/3*y[48]+9*y[49]-22*y[50]+16/3*y[51]-12*y[52]+44*y[54
]+48*y[55]-18*y[56]+9*y[57]-46*y[58]-67/4*y[86]-191/2*y[87]+21/2*y[88]-131/6*y
[89];
F96 := -3/5*y[14]+30*y[15]-48/5*y[16]-27/2*y[19]+9*y[20]+7*y[43]+9/2*y[46]-16*
y[47]+17*y[48]+9*y[49]-18*y[50]+4*y[52]+36*y[54]+36*y[55]-36/5*y[56]+18*y[57]-\
48*y[58]-27/4*y[86]-189/2*y[87]+9/2*y[88]-57/2*y[89];
F97 := -9/5*y[14]-8*y[15]+46/15*y[16]+9/2*y[19]-2/3*y[20]+28/3*y[42]-38/9*y[43]
+3*y[44]+3*y[45]-13/9*y[46]+20/3*y[47]-85/9*y[48]+6*y[49]-14/3*y[50]+14/9*y[
51]+4/3*y[52]-27/2*y[53]+28/3*y[54]-16*y[55]+6/5*y[56]+27/2*y[57]+40/3*y[58]-\
83/12*y[86]+137/6*y[87]+71/2*y[88]+101/18*y[89];
F98 := -3*y[14]-30*y[15]+35/3*y[16]+15*y[19]-20/3*y[20]+40/3*y[42]-125/9*y[43]
+5*y[44]+5*y[45]-145/36*y[46]+95/3*y[47]-250/9*y[48]+5*y[49]+10/3*y[50]+20/9*y
[51]-20/3*y[52]-45/2*y[53]-20/3*y[54]-40*y[55]+15/2*y[57]+130/3*y[58]-155/12*y
[86]+280/3*y[87]+105/2*y[88]+485/18*y[89];
F99 := 1/2*y[14]+26*y[15]-46/5*y[16]-y[17]-27/2*y[19]+8*y[20]+9*y[42]-5/3*y[43]
+3*y[44]-3*y[45]+15/8*y[46]-58/3*y[47]+65/3*y[48]-10*y[50]-2/3*y[51]+8*y[52]+
27*y[53]+16*y[54]+24*y[55]+36/5*y[56]-9*y[57]-50*y[58]+19/8*y[86]-82*y[87]-67/
4*y[88]-71/4*y[89];
F100 := 6/5*y[14]+72*y[15]-356/15*y[16]-y[18]-36*y[19]+64/3*y[20]+28/3*y[42]+
70/9*y[43]-6*y[44]+3*y[45]+181/18*y[46]-160/3*y[47]+500/9*y[48]+6*y[49]-104/3*
y[50]-16/9*y[51]+32/3*y[52]+54*y[53]+160/3*y[54]+80*y[55]-6*y[57]-392/3*y[58]+
31/3*y[86]-629/3*y[87]-32*y[88]-494/9*y[89];
F101 := -3/5*y[14]-32*y[15]+48/5*y[16]+33/2*y[19]-10*y[20]+12*y[42]-10*y[43]+3
*y[44]+3*y[45]-19/3*y[46]+58/3*y[47]-25*y[48]-2*y[49]+14*y[50]+2/3*y[51]-4/3*y
[52]-27/2*y[53]-36*y[54]-48*y[55]+18/5*y[56]-9/2*y[57]+60*y[58]+21/4*y[86]+213
/2*y[87]+37/2*y[88]+173/6*y[89];
F102 := 597/58*y[21]-683/58*y[22]+15/2*y[23]+236/29*y[24]-192/29*y[25]-570/29*
y[26]+9/29*y[27]+288/29*y[28]-269/58*y[42]+20/3*y[43]+2085/58*y[44]-1093/116*y
[45]+597/232*y[46]+383/174*y[47]+1781/58*y[48]-805/29*y[49]+1007/174*y[50]+431
/58*y[51]+453/58*y[59]-405/116*y[60]+32/29*y[62]-275/29*y[63]-206/29*y[64]-61/
58*y[65]-1869/116*y[66]-486/29*y[67]+12*y[68]-516/29*y[69]+1053/58*y[70]-1173/
58*y[71]+453/58*y[72]+117/290*y[73]-279/290*y[75]-1869/232*y[76]+32/29*y[77]+6
*y[78]-162/29*y[79]-516/29*y[80]+351/58*y[81]-249/290*y[90]+20601/464*y[91]+
477/145*y[92]-22233/232*y[93]-1107/29*y[94];
F103 := 1135/58*y[21]-11945/348*y[22]+125/4*y[23]+895/87*y[24]-545/29*y[25]-\
1550/29*y[26]-3/29*y[27]+1035/29*y[28]-1475/87*y[42]+1135/36*y[43]+12095/116*y
[44]-9385/696*y[45]+4735/464*y[46]+1505/261*y[47]+18055/174*y[48]-32015/348*y[
49]+3020/261*y[50]+5485/174*y[51]+490/29*y[59]-75/29*y[60]+1360/87*y[62]-5975/
174*y[63]-8485/348*y[64]-1705/348*y[65]-5235/116*y[66]+75/29*y[67]-1075/29*y[
69]+6345/116*y[70]-1675/29*y[71]+490/29*y[72]+201/58*y[73]-225/58*y[75]-5235/
232*y[76]+1360/87*y[77]+25/29*y[79]-1075/29*y[80]+2115/116*y[81]-1619/58*y[90]
+30975/232*y[91]+32/29*y[92]-5740/29*y[93]-3285/29*y[94];
F104 := 143/58*y[21]+13/348*y[22]+2*y[23]+292/87*y[24]-119/29*y[25]-356/29*y[

```

$26]+138/145*y[27]+222/29*y[28]-1135/174*y[42]+43/36*y[43]+1739/116*y[44]-3007/696*y[45]+1011/464*y[46]+2845/522*y[47]+2065/174*y[48]-3263/348*y[49]+25/522*y[50]+347/87*y[51]+119/58*y[59]-285/116*y[60]+16/87*y[62]-275/174*y[63]-673/348*y[64]+287/348*y[65]-279/58*y[66]+6/29*y[67]-231/29*y[69]+873/116*y[70]-163/29*y[71]+119/58*y[72]-12/145*y[73]+69/58*y[75]-279/116*y[76]+886/87*y[77]+2/29*y[79]-231/29*y[80]+291/116*y[81]+505/58*y[90]+4521/464*y[91]-45/29*y[92]-13145/232*y[93]-79/58*y[94];$
 $F105 := 85/29*y[21]-370/29*y[22]+105/4*y[23]-395/29*y[24]-180/29*y[25]-480/29*y[26]+90/29*y[27]+705/29*y[28]-185/29*y[42]+25/6*y[43]+855/29*y[44]+1105/116*y[45]+955/116*y[46]+175/87*y[47]+3165/58*y[48]-2615/58*y[49]-185/87*y[50]+560/29*y[51]+90/29*y[59]+75/29*y[60]+320/29*y[62]-575/29*y[63]-320/29*y[64]+130/29*y[65]-540/29*y[66]+360/29*y[67]-375/29*y[69]+1395/58*y[70]-645/29*y[71]+90/29*y[72]+30/29*y[73]+69/29*y[75]-270/29*y[76]+320/29*y[77]+120/29*y[79]-375/29*y[80]+465/58*y[81]+285/58*y[90]+11655/232*y[91]-235/29*y[92]-2670/29*y[93]-825/58*y[94];$
 $F106 := 4341/406*y[21]-8973/406*y[22]+333/14*y[23]-954/203*y[24]-3159/406*y[25]-3168/203*y[26]+99/1015*y[27]+3348/203*y[28]-93/406*y[42]+132/7*y[43]+23031/406*y[44]+123/406*y[45]+4215/812*y[46]-195/203*y[47]+24891/406*y[48]-11457/203*y[49]+2811/406*y[50]+7479/406*y[51]+4059/406*y[59]+3285/812*y[60]+3504/203*y[62]-5535/203*y[63]-6225/406*y[64]-360/203*y[65]-21825/812*y[66]+288/203*y[67]-3345/203*y[69]+1539/58*y[70]-14517/406*y[71]+4059/406*y[72]+2589/2030*y[73]+6*y[74]-1773/290*y[75]-21825/1624*y[76]+3504/203*y[77]+96/203*y[79]-4563/203*y[80]+513/58*y[81]-90297/2030*y[90]+358731/3248*y[91]-21414/1015*y[92]-116703/1624*y[93]-14250/203*y[94];$
 $F107 := 500/203*y[21]+86/609*y[22]+82/7*y[23]-5524/609*y[24]-1168/203*y[25]-3076/203*y[26]+816/203*y[27]+4884/203*y[28]-11470/609*y[42]+1640/63*y[43]+10594/203*y[44]-1882/609*y[45]+1517/203*y[46]+13228/1827*y[47]+15958/609*y[48]-11668/609*y[49]-15530/1827*y[50]+8098/609*y[51]+410/203*y[59]-1495/203*y[60]+6848/609*y[62]+2920/609*y[63]-1628/609*y[64]-1916/609*y[65]-2025/203*y[66]-2304/203*y[67]-4096/203*y[69]+369/29*y[70]-1208/203*y[71]+2440/203*y[72]-5484/1015*y[73]+654/145*y[75]-2025/406*y[76]+6848/609*y[77]-768/203*y[79]-4096/203*y[80]+123/29*y[81]-14362/1015*y[90]+6639/812*y[91]-7328/1015*y[92]-46531/406*y[93]+6816/203*y[94];$
 $F108 := -5554/203*y[21]+11638/203*y[22]-348/7*y[23]+68/203*y[24]+3870/203*y[25]+6492/203*y[26]+1284/203*y[27]-5892/203*y[28]+2484/203*y[42]-1340/21*y[43]-23124/203*y[44]+408/203*y[45]-3531/406*y[46]+80/609*y[47]-27738/203*y[48]+26770/203*y[49]-17410/609*y[50]-8038/203*y[51]-4806/203*y[59]-1830/203*y[60]-7808/203*y[62]+14030/203*y[63]+8504/203*y[64]+2048/203*y[65]+13176/203*y[66]-8784/203*y[67]+9150/203*y[69]-1872/29*y[70]+22698/203*y[71]-4806/203*y[72]-1776/203*y[73]+2526/145*y[75]+6588/203*y[76]-7808/203*y[77]-2928/203*y[79]+9150/203*y[80]-624/29*y[81]+25320/203*y[90]-117423/406*y[91]+9272/203*y[92]+26433/203*y[93]+45880/203*y[94];$
 $F109 := -317/203*y[21]-2428/609*y[22]+97/7*y[23]-9748/609*y[24]-255/203*y[25]+1640/203*y[26]+2334/1015*y[27]+1644/203*y[28]-4027/609*y[42]+701/63*y[43]+1146/203*y[44]+13147/1218*y[45]+4091/812*y[46]-1772/1827*y[47]+13537/609*y[48]-10447/609*y[49]-6869/1827*y[50]+4903/609*y[51]-61/203*y[59]+1445/406*y[60]+9248/609*y[62]-5960/609*y[63]-4202/609*y[64]-419/609*y[65]-2487/406*y[66]+3468/203*y[67]-1278/203*y[69]+180/29*y[70]-2081/203*y[71]-61/203*y[72]+807/1015*y[73]-99/145*y[75]-2487/812*y[76]+9248/609*y[77]+1156/203*y[79]-1278/203*y[80]+60/29*y[81]-10471/1015*y[90]+31671/1624*y[91]-8424/1015*y[92]-6575/812*y[93]-1632/203*y[94];$
 $F110 := 969/203*y[21]-2391/203*y[22]+405/28*y[23]+2109/203*y[24]-4191/406*y[25]-7038/203*y[26]+1026/203*y[27]+1251/203*y[28]-804/203*y[42]+50/7*y[43]+12795/406*y[44]-2097/406*y[45]+2721/1624*y[46]-5427/406*y[47]+17753/406*y[48]-8598/203*y[49]+2168/203*y[50]+2382/203*y[51]+1026/203*y[59]+710/203*y[60]+20*y[61]+864/203*y[62]-3075/203*y[63]-1293/406*y[64]+615/406*y[65]-8397/406*y[66]-9990/203*y[67]-1926/203*y[69]+1377/58*y[70]-2916/203*y[71]+1026/203*y[72]+1971/1015*y[73]-594/145*y[75]-8397/812*y[76]+864/203*y[77]-3330/203*y[79]-1926/203*y[80]+459/58*y[81]-57879/2030*y[90]+87975/1624*y[91]-6348/1015*y[92]-35037/406*y[93]-10623/406*y[94];$
 $F111 := -285/28*y[21]+15/14*y[22]+225/28*y[23]-30/7*y[24]+45/28*y[25]-270/7*y[26]+279/14*y[27]+135/7*y[28]-1215/28*y[42]+90/7*y[43]-1125/28*y[44]+765/56*y[45]+585/112*y[46]-565/14*y[47]+5/28*y[48]+30/7*y[49]-265/28*y[50]+125/28*y[51]-135/28*y[59]+375/56*y[60]+60/7*y[62]+100/7*y[63]+285/14*y[64]-75/28*y[65]+135/56*y[66]-1035/7*y[67]+345/14*y[69]+765/28*y[71]-135/28*y[72]-27/28*y[73]+27/4*y[75]+135/112*y[76]+60/7*y[77]-345/7*y[79]+345/14*y[80]+1215/28*y[90]-42255/224*y[91]+585/7*y[92]+11475/112*y[93]+1005/14*y[94];$
 $F112 := 2337/406*y[21]-9515/812*y[22]+573/28*y[23]-1475/203*y[24]-2385/406*y[$

$25] - 1788/203*y[26] + 3177/1015*y[27] + 2637/203*y[28] - 3716/203*y[42] + 2119/84*y[43] + 15741/812*y[44] + 2483/1624*y[45] + 16593/3248*y[46] - 23687/1218*y[47] + 15933/406*y[48] - 32075/812*y[49] + 7043/609*y[50] + 1243/406*y[51] + 1488/203*y[59] + 1095/203*y[60] + 7717/203*y[62] - 5625/406*y[63] - 5029/812*y[64] - 4153/812*y[65] - 15093/812*y[66] - 5706/203*y[67] - 2430/203*y[69] + 1755/116*y[70] - 4197/203*y[71] + 1488/203*y[72] + 6903/2030*y[73] - 351/58*y[75] - 15093/1624*y[76] + 4672/203*y[77] - 3729/203*y[79] - \ 2430/203*y[80] + 585/116*y[81] - 85683/2030*y[90] + 77769/1624*y[91] - 741/1015*y[92] - \ 17319/203*y[93] - 8850/203*y[94];$

$F113 := -828/203*y[21] - 2/203*y[22] + 6/7*y[23] + 1828/203*y[24] + 648/203*y[25] - \ 12192/203*y[26] + 3852/203*y[27] - 3060/203*y[28] - 4322/203*y[42] + 565/21*y[43] - \ 12735/203*y[44] + 4066/203*y[45] - 729/203*y[46] - 40360/609*y[47] + 3670/203*y[48] - \ 6371/203*y[49] + 15572/609*y[50] - 972/203*y[51] + 3243/203*y[59] + 3645/203*y[60] + 2560/203*y[62] - 4600/203*y[63] + 3182/203*y[64] + 2084/203*y[65] - 2493/203*y[66] - \ 26352/203*y[67] + 6744/203*y[69] - 135/29*y[70] + 4758/203*y[71] + 198/203*y[72] + 6246/1015*y[73] - 1818/145*y[75] - 2493/406*y[76] + 2560/203*y[77] - 8784/203*y[79] + 6744/203*y[80] - 306/29*y[81] - 112272/1015*y[90] + 90207/812*y[91] - 38748/1015*y[92] + 4521/406*y[93] - 6084/203*y[94];$

$F114 := -7055/812*y[21] + 33869/2436*y[22] - 353/28*y[23] - 199/609*y[24] + 4065/812*y[25] + 3029/203*y[26] + 813/2030*y[27] - 2862/203*y[28] + 20777/2436*y[42] - 4771/252*y[43] - 7845/203*y[44] + 13697/2436*y[45] - 5137/1624*y[46] + 8213/3654*y[47] - 86831/2436*y[48] + 84215/2436*y[49] - 58799/7308*y[50] - 19409/2436*y[51] - 6049/812*y[59] + 1325/1624*y[60] - 7624/609*y[62] + 12935/1218*y[63] + 18229/2436*y[64] + 2449/609*y[65] + 26391/1624*y[66] + 1404/203*y[67] + 6007/406*y[69] - 2025/116*y[70] + 18271/812*y[71] - \ 6049/812*y[72] - 7491/4060*y[73] + 2223/580*y[75] + 26391/3248*y[76] - 7624/609*y[77] + 468/203*y[79] + 6007/406*y[80] - 675/116*y[81] + 122069/4060*y[90] - 419613/6496*y[91] + 4364/1015*y[92] + 207985/3248*y[93] + 10564/203*y[94];$

$F115 := 1602/203*y[21] - 967/203*y[22] + 3/7*y[23] + 788/203*y[24] - 936/203*y[25] - 930/203*y[26] + 1818/1015*y[27] + 360/203*y[28] + 1010/203*y[42] + 313/42*y[43] + 6543/406*y[44] + 1945/406*y[45] + 1979/812*y[46] + 3172/609*y[47] + 4894/203*y[48] - 8639/406*y[49] + 1213/609*y[50] + 1201/203*y[51] + 1338/203*y[59] + 825/203*y[60] + 272/203*y[62] - \ 5310/203*y[63] - 1055/203*y[64] + 3982/203*y[65] - 2286/203*y[66] + 11268/203*y[67] - \ 1080/203*y[69] + 108/29*y[70] - 3354/203*y[71] + 1338/203*y[72] + 3564/1015*y[73] - 738/145*y[75] - 1143/203*y[76] + 272/203*y[77] + 3756/203*y[79] - 1080/203*y[80] + 36/29*y[81] - 12477/1015*y[90] + 67017/812*y[91] - 26178/1015*y[92] - 16545/406*y[93] - 7046/203*y[94];$

$F116 := -9/5*y[29] + 36/25*y[30] - 42/25*y[31] + 39/10*y[32] - 7/5*y[33] + 8/15*y[52] + 62/5*y[53] - 8/5*y[54] - 16/5*y[55] - 64/25*y[56] + 22/5*y[57] + 24/5*y[58] + 3/10*y[59] + 6/5*y[62] + 13/15*y[63] + 8/5*y[64] - 79/20*y[65] + 17/2*y[66] - 6*y[67] + 76/5*y[68] - 208/15*y[69] - 13/4*y[70] + 19/5*y[71] - 23/5*y[72] + 13/10*y[73] + 14/5*y[74] - 12/25*y[75] + 51/40*y[76] + 16/3*y[77] - 49/5*y[78] + 46/5*y[79] + 129/10*y[80] - 3*y[81] - 23/10*y[86] + 18/5*y[87] + 23/5*y[88] + 23/5*y[89];$

$F117 := 9/2*y[30] + 9/2*y[31] + 5/3*y[52] - 5*y[54] - 3*y[56] + 15/2*y[57] + 15*y[58] - 15/4*y[59] + 25/3*y[63] + 5*y[64] + 20*y[66] + 55/2*y[67] - 40*y[68] - 40/3*y[69] + 5*y[71] - 10*y[72] + 5/2*y[73] + 35/4*y[74] - 3/2*y[75] + 15/4*y[76] + 50/3*y[77] - 15/2*y[78] + 10*y[79] + 5*y[80] - 5/2*y[86] + 5*y[87] + 5*y[88] + 5*y[89];$

$F118 := 9/10*y[29] + 42/25*y[30] - 24/25*y[31] + 3/10*y[32] - 4/5*y[33] + 2/5*y[52] + 33/10*y[53] - 6/5*y[54] + 29/15*y[55] - 58/25*y[56] + 19/5*y[57] + 18/5*y[58] - 19/10*y[59] + 7/5*y[62] + 12/5*y[63] + 17/10*y[64] - 19/10*y[65] + 9*y[66] + 19/2*y[67] - 48/5*y[68] - 57/5*y[69] - 3/2*y[70] - 9/10*y[71] - 8/15*y[72] - 1/15*y[73] + 161/60*y[74] - 52/75*y[75] - 7/60*y[76] + 4*y[77] - 103/30*y[78] + 27/5*y[79] + 34/5*y[80] - 2/3*y[81] - 8/5*y[86] + 11/5*y[87] + 26/5*y[88] + 6/5*y[89];$

$F119 := 12*y[29] + 32/5*y[30] + 216/5*y[31] - 6*y[32] - 4*y[33] + 16/3*y[52] - 161*y[53] - \ 16*y[54] - 56/3*y[55] + 92/5*y[56] - 11*y[57] + 48*y[58] - 7*y[59] - 28*y[62] + 146/3*y[63] - \ 9*y[64] - 12*y[65] + 50*y[66] + 60*y[67] - 128*y[68] + 154/3*y[69] + 155/4*y[70] + 33*y[71] - \ 208/3*y[72] + 109/3*y[73] + 79/3*y[74] - 347/15*y[75] + 103/12*y[76] + 160/3*y[77] + 26/3*y[78] + 32*y[79] - 96*y[80] + 185/6*y[81] + 12*y[86] - 14*y[87] - 4*y[88] + 16*y[89];$

$F120 := 6*y[29] + 16/5*y[30] + 84/5*y[31] + 3*y[32] - 6*y[33] + 8/3*y[52] - 111/2*y[53] - 8*y[54] - 20*y[55] + 66/5*y[56] - 21/2*y[57] + 24*y[58] - 6*y[59] - 12*y[62] + 76/3*y[63] - y[64] - 9*y[65] + 39*y[66] + 30*y[67] - 64*y[68] + 2/3*y[69] + 10*y[70] + 21*y[71] - 30*y[72] + 15*y[73] + 14*y[74] - 42/5*y[75] + 11/4*y[76] + 80/3*y[77] + 2*y[78] + 16*y[79] - 30*y[80] + 13*y[81] - 4*y[86] - 12*y[87] + 8*y[88] + 8*y[89];$

$F121 := 12/5*y[29] - 888/25*y[30] - 624/25*y[31] - 246/5*y[32] + 176/5*y[33] - 80*y[34] - \ 12*y[35] + 6*y[36] - 40*y[37] - 208/5*y[52] + 949/5*y[53] + 624/5*y[54] + 544/15*y[55] + 712/25*y[56] - 471/5*y[57] - 2356/15*y[58] - 52/5*y[59] + 25*y[60] + 472/5*y[62] - 728/5*y[63] - 64/5*y[64] + 713/5*y[65] - 769/3*y[66] + 260*y[67] - 784/15*y[68] + 3524/15*y[69] - 109/2*y[70] - 392/5*y[71] + 3242/15*y[72] - 1106/15*y[73] - 2456/15*y[74] + 3898/75*y[75] - \ 901/30*y[76] - 448/3*y[77] + 2876/15*y[78] - 848/5*y[79] + 54/5*y[80] - 154/3*y[81] + 132/5*y[86] + 356/5*y[87] - 384/5*y[88] - 712/15*y[89];$

$$F122 := 3*y[29]-18/5*y[30]+39/10*y[31]-69/8*y[32]+5*y[33]-13*y[34]-2*y[35]+3/4*y[36]-13/2*y[37]-4*y[52]+25/4*y[53]+6*y[54]+4/3*y[55]+89/10*y[56]-45/2*y[57]-\backslash$$

$$107/6*y[58]-55/16*y[59]+45/8*y[60]-5*y[61]+13*y[62]-45/4*y[63]-5/2*y[64]+305/16*y[65]-281/12*y[66]+205/4*y[67]-106/3*y[68]+149/3*y[69]-37/4*y[70]+7*y[71]+115/6*y[72]-17/3*y[73]-325/24*y[74]+211/60*y[75]-223/96*y[76]-20/3*y[77]+163/6*y[78]-20*y[79]-117/8*y[80]-49/24*y[81]+39/8*y[86]+11*y[87]-27/4*y[88]-37/12*y[89];$$

$$F123 := 36/5*y[29]-864/25*y[30]-162/25*y[31]-711/10*y[32]+228/5*y[33]-84*y[34]-10*y[35]-54*y[37]-184/5*y[52]+807/5*y[53]+672/5*y[54]+224/5*y[55]+936/25*y[56]-483/5*y[57]-796/5*y[58]-309/20*y[59]+35*y[60]+20*y[61]+516/5*y[62]-839/5*y[63]-42/5*y[64]+3831/20*y[65]-577/2*y[66]+363*y[67]-704/5*y[68]+1504/5*y[69]-\backslash$$

$$123/2*y[70]-336/5*y[71]+1062/5*y[72]-406/5*y[73]-1517/10*y[74]+1283/25*y[75]-\backslash$$

$$899/40*y[76]-128*y[77]+1066/5*y[78]-984/5*y[79]-171/10*y[80]-97/2*y[81]+417/10*y[86]+468/5*y[87]-357/5*y[88]-217/5*y[89];$$

$$F124 := 6/5*y[29]+186/25*y[30]+273/25*y[31]+87/5*y[32]-57/5*y[33]+16*y[34]+2*y[35]+3*y[36]+10*y[37]+148/15*y[52]-1287/20*y[53]-228/5*y[54]-86/5*y[55]-39/25*y[56]+123/20*y[57]+184/5*y[58]+51/20*y[59]-35/4*y[60]-10*y[61]-89/5*y[62]+1661/30*y[63]-43/20*y[64]-537/10*y[65]+321/4*y[66]-85*y[67]+226/5*y[68]-1691/30*y[69]+201/16*y[70]+691/20*y[71]-338/5*y[72]+561/20*y[73]+851/20*y[74]-1643/100*y[75]+727/80*y[76]+136/3*y[77]-623/10*y[78]+296/5*y[79]-88/5*y[80]+157/8*y[81]-\backslash$$

$$84/5*y[86]-369/10*y[87]+123/5*y[88]+38/5*y[89];$$

$$F125 := 54/5*y[29]+54/25*y[30]+387/25*y[31]-243/20*y[32]+27/5*y[33]+6*y[34]+3*y[35]-9*y[36]-9*y[37]+34/5*y[52]-369/10*y[53]-102/5*y[54]-24/5*y[55]+204/25*y[56]-69/10*y[57]+26/5*y[58]-537/40*y[59]+5/2*y[60]+10*y[61]-96/5*y[62]+103/10*y[63]-18/5*y[64]+453/40*y[65]+15/4*y[66]+171/2*y[67]-576/5*y[68]+231/5*y[69]+81/8*y[70]-9/5*y[71]-19/10*y[72]+57/10*y[73]-231/20*y[74]-18/25*y[75]-267/80*y[76]+48*y[77]+129/5*y[78]-36/5*y[79]-873/20*y[80]+75/4*y[81]+141/20*y[86]-93/5*y[87]+99/10*y[88]+19/10*y[89];$$

$$F126 := 27/10*y[29]+36/25*y[30]+108/25*y[31]+27/5*y[32]-27/5*y[33]+6/5*y[52]-3/5*y[53]-18/5*y[54]-41/5*y[55]+36/25*y[56]+9/10*y[57]+54/5*y[58]-21/5*y[59]+21/5*y[62]+51/5*y[63]+21/10*y[64]-129/20*y[65]+33/2*y[66]+27/2*y[67]-144/5*y[68]-51/5*y[69]-3/4*y[70]+33/10*y[71]-43/5*y[72]+23/10*y[73]+91/20*y[74]-2/25*y[75]+111/40*y[76]+12*y[77]-33/10*y[78]+1/5*y[79]+9/10*y[80]+2*y[81]-3/10*y[86]+3/5*y[87]+33/5*y[88]+13/5*y[89];$$

$$F127 := -9/5*y[29]+306/25*y[30]+81/50*y[31]+207/5*y[32]-117/5*y[33]+51/2*y[34]+3/2*y[35]+27/4*y[36]+51/2*y[37]+66/5*y[52]-2349/40*y[53]-348/5*y[54]-141/5*y[55]-294/25*y[56]+771/40*y[57]+593/10*y[58]+63/10*y[59]-75/4*y[60]-15*y[61]-153/10*y[62]+1869/20*y[63]-81/40*y[64]-4413/40*y[65]+131*y[66]-393/2*y[67]+611/5*y[68]-2699/20*y[69]+729/32*y[70]+1677/40*y[71]-2067/20*y[72]+1707/40*y[73]+2427/40*y[74]-4431/200*y[75]+2529/160*y[76]+62*y[77]-2421/20*y[78]+516/5*y[79]+63/20*y[80]+339/16*y[81]-621/20*y[86]-1113/20*y[87]+168/5*y[88]+131/10*y[89];$$

$$F128 := -12/5*y[29]+498/25*y[30]+24/25*y[31]+276/5*y[32]-156/5*y[33]+50*y[34]+6*y[35]+3*y[36]+34*y[37]+108/5*y[52]-783/10*y[53]-524/5*y[54]-188/5*y[55]-502/25*y[56]+367/10*y[57]+1256/15*y[58]+27/5*y[59]-55/2*y[60]-10*y[61]-262/5*y[62]+1969/15*y[63]+13/10*y[64]-1481/10*y[65]+1183/6*y[66]-268*y[67]+2354/15*y[68]-\backslash$$

$$2999/15*y[69]+243/8*y[70]+599/10*y[71]-729/5*y[72]+589/10*y[73]+879/10*y[74]-\backslash$$

$$1537/50*y[75]+723/40*y[76]+96*y[77]-837/5*y[78]+728/5*y[79]+51/5*y[80]+149/4*y[81]-187/5*y[86]-381/5*y[87]+324/5*y[88]+302/15*y[89];$$

$$F129 := 39/5*y[29]+294/25*y[30]+1419/50*y[31]+249/40*y[32]-33/5*y[33]+13*y[34]+3*y[35]-21/4*y[36]+13/2*y[37]+34/5*y[52]-477/5*y[53]-172/5*y[54]-94/5*y[55]+263/50*y[56]+7/20*y[57]+1301/30*y[58]-489/80*y[59]-5/8*y[60]-5*y[61]-106/5*y[62]+3113/60*y[63]-47/20*y[64]-2729/80*y[65]+1015/12*y[66]-17/4*y[67]-908/15*y[68]-659/30*y[69]+261/16*y[70]+749/20*y[71]-357/5*y[72]+609/20*y[73]+1793/40*y[74]-493/25*y[75]+1371/160*y[76]+68*y[77]-171/5*y[78]+224/5*y[79]-1811/40*y[80]+109/4*y[81]-283/40*y[86]-291/10*y[87]+603/20*y[88]+1129/60*y[89];$$

$$F130 := -66/5*y[29]+444/25*y[30]-588/25*y[31]+393/5*y[32]-198/5*y[33]+44*y[34]+12*y[36]+52*y[37]+64/5*y[52]-159/10*y[53]-512/5*y[54]-204/5*y[55]-706/25*y[56]+271/10*y[57]+1148/15*y[58]+126/5*y[59]-35*y[60]-40*y[61]-86/5*y[62]+1987/15*y[63]-11/10*y[64]-934/5*y[65]+596/3*y[66]-382*y[67]+4712/15*y[68]-3917/15*y[69]+147/8*y[70]+647/10*y[71]-737/5*y[72]+577/10*y[73]+977/10*y[74]-1461/50*y[75]+889/40*y[76]+48*y[77]-1061/5*y[78]+784/5*y[79]+328/5*y[80]+69/4*y[81]-211/5*y[86]-363/5*y[87]+192/5*y[88]+206/15*y[89];$$

$$F131 := 18/5*y[29]+1458/25*y[30]+639/25*y[31]+2619/20*y[32]-411/5*y[33]+138*y[34]+15*y[35]+93*y[37]+298/5*y[52]-1614/5*y[53]-1254/5*y[54]-508/5*y[55]-942/25*y[56]+501/5*y[57]+1302/5*y[58]+621/40*y[59]-135/2*y[60]-30*y[61]-762/5*y[62]+3491/10*y[63]+3/10*y[64]-14889/40*y[65]+2097/4*y[66]-1287/2*y[67]+1548/5*y[68]-2398/5*y[69]+105*y[70]+1659/10*y[71]-4103/10*y[72]+842/5*y[73]+4973/20*y[74]-\backslash$$

$$4727/50*y[75]+4061/80*y[76]+256*y[77]-2042/5*y[78]+1908/5*y[79]-531/20*y[80]+$$

$106*y[81]-1653/20*y[86]-936/5*y[87]+1473/10*y[88]+653/10*y[89];$
 $F132 := 57/92*y[38]-3/2*y[39]+597/23*y[40]+1213/184*y[59]-551/69*y[60]-14/69*y$
 $[61]-471/46*y[62]+280/69*y[63]-1493/138*y[64]-1591/92*y[65]-890/23*y[66]-200/$
 $23*y[67]-1080/23*y[68]+577/23*y[69]+8755/184*y[70]+117/46*y[71]-1373/138*y[72]$
 $-422/69*y[73]+5825/276*y[74]+415/46*y[75]+6599/552*y[76]-90/23*y[77]-205/69*y[$
 $78]-895/23*y[79]-1648/69*y[80]-216/23*y[81]-1061/138*y[82]-2807/276*y[83]-457/$
 $23*y[84]+7441/69*y[85]-514/23*y[90]+2813/46*y[91]+523/23*y[93]-6682/69*y[94];$
 $F133 := 15/2*y[38]-45*y[40]-115/4*y[59]+20*y[60]+30*y[61]+30*y[62]+30*y[64]+$
 $105/2*y[65]+100*y[66]+75*y[67]+50*y[68]-70*y[69]-375/4*y[70]+15*y[71]+5*y[72]+$
 $10*y[73]-75/2*y[74]-20*y[75]-65/4*y[76]+50*y[79]+60*y[80]+45/2*y[81]+21*y[82]+$
 $41/2*y[83]+28*y[84]-220*y[85]-165*y[91]-30*y[93]+240*y[94];$
 $F134 := -53/46*y[38]+294/23*y[40]+3589/276*y[59]-547/69*y[60]-2416/69*y[61]+$
 $267/46*y[62]+45/23*y[63]-2083/138*y[64]-999/46*y[65]-1000/23*y[66]-287/23*y[67]$
 $-800/23*y[68]+930/23*y[69]+4905/184*y[70]-179/23*y[71]+725/138*y[72]-500/69*y$
 $[73]+835/276*y[74]+755/69*y[75]+3095/552*y[76]-220/23*y[77]+1321/69*y[78]-2615$
 $/69*y[79]-1892/69*y[80]-297/46*y[81]-272/69*y[82]-1003/138*y[83]-898/69*y[84]+$
 $894/23*y[85]-86/23*y[90]+2335/46*y[91]+12*y[92]+315/23*y[93]-2320/23*y[94];$
 $F135 := 285/23*y[38]-710/23*y[40]-205/138*y[59]+160/23*y[60]-10960/207*y[61]+$
 $350/23*y[62]+700/207*y[63]+160/23*y[64]+325/23*y[65]+600/23*y[66]+140/23*y[67]$
 $-400/69*y[68]+1960/69*y[69]-1400/23*y[70]+520/69*y[71]+4580/207*y[72]-130/23*y$
 $[73]-1925/69*y[74]+260/69*y[75]-695/69*y[76]-800/69*y[77]+4180/69*y[78]-420/23$
 $*y[79]+160/69*y[80]+165/23*y[81]+890/69*y[82]+455/69*y[83]+1468/69*y[84]-4060/$
 $23*y[85]-160/23*y[90]-1630/69*y[91]-120/23*y[93]+11240/207*y[94];$
 $F136 := 45/46*y[38]+65/23*y[40]+1873/276*y[59]-226/69*y[60]-3848/207*y[61]-45/$
 $23*y[62]+140/207*y[63]-410/69*y[64]-445/46*y[65]-340/23*y[66]-432/23*y[67]-80/$
 $69*y[68]+1082/69*y[69]+605/92*y[70]-172/69*y[71]+571/207*y[72]-72/23*y[73]+165$
 $/46*y[74]+305/69*y[75]+341/276*y[76]-160/69*y[77]+248/23*y[78]-850/69*y[79]-\$
 $296/23*y[80]-141/46*y[81]-121/69*y[82]-439/138*y[83]-34/23*y[84]+370/69*y[85]-\$
 $32/23*y[90]+2020/69*y[91]+206/23*y[93]-8516/207*y[94];$
 $F137 := 33/92*y[38]+2*y[39]+201/46*y[40]+3777/184*y[59]-779/69*y[60]-1440/23*y$
 $[61]+269/138*y[62]+380/69*y[63]-413/23*y[64]-2887/92*y[65]-1290/23*y[66]-1106/$
 $23*y[67]-940/23*y[68]+1501/23*y[69]+3725/184*y[70]-319/23*y[71]+1631/138*y[72]$
 $-760/69*y[73]-5/276*y[74]+785/46*y[75]+2777/552*y[76]-40/23*y[77]+2858/69*y[78]$
 $-1075/23*y[79]-2920/69*y[80]-729/92*y[81]-141/46*y[82]-783/92*y[83]-175/23*y[$
 $84]+173/23*y[85]-116/23*y[90]+1977/23*y[91]+8*y[92]+419/23*y[93]-9466/69*y[94]$
 $;$
 $F138 := -5/4*y[38]+15/2*y[40]+865/24*y[59]-35/3*y[60]-380/3*y[61]-15/2*y[62]-\$
 $70/3*y[64]-165/4*y[65]-50*y[66]-110*y[67]+75*y[69]-25/8*y[70]-20*y[71]+175/6*y$
 $[72]-55/3*y[73]+125/12*y[74]+125/6*y[75]-125/24*y[76]+230/3*y[78]-175/3*y[79]-\$
 $160/3*y[80]-45/4*y[81]+7/6*y[82]-115/12*y[83]-11/3*y[84]-5*y[85]+125*y[91]-25*$
 $y[93]-150*y[94];$
 $F139 := 25/4*y[38]-75/2*y[40]+1075/24*y[59]-25/3*y[60]-200*y[61]+25/2*y[62]-80$
 $/3*y[64]-175/4*y[65]-50*y[66]-125*y[67]+125*y[69]-475/8*y[70]-25*y[71]+325/6*y$
 $[72]-25*y[73]-125/12*y[74]+185/6*y[75]-125/8*y[76]+400/3*y[78]-205/3*y[79]-200$
 $/3*y[80]-15/4*y[81]+65/6*y[82]-35/4*y[83]+145/3*y[84]-875/3*y[85]+125*y[91]-25$
 $*y[93]-150*y[94];$
 $F140 := -585/46*y[38]-270/23*y[40]+225/92*y[59]-25/23*y[60]-708/23*y[61]+687/$
 $46*y[62]+245/23*y[63]-257/46*y[64]-609/46*y[65]-180/23*y[66]+579/23*y[67]-420/$
 $23*y[68]+1138/23*y[69]-3195/184*y[70]+477/23*y[71]+331/46*y[72]+16/23*y[73]-\$
 $2335/92*y[74]+135/23*y[75]+257/184*y[76]-380/23*y[77]+341/23*y[78]+195/23*y[79]$
 $-16/23*y[80]-99/46*y[81]+26/23*y[82]-91/46*y[83]+258/23*y[84]-3290/23*y[85]-\$
 $90/23*y[90]+1407/46*y[91]-12*y[92]+657/23*y[93]-436/23*y[94];$
 $F141 := 609/184*y[38]-9/2*y[39]+4023/92*y[40]+3881/368*y[59]-429/46*y[60]-378/$
 $23*y[61]+173/92*y[62]+85/23*y[63]-318/23*y[64]-4167/184*y[65]-1365/23*y[66]-\$
 $675/23*y[67]-1230/23*y[68]+2049/46*y[69]+19335/368*y[70]-873/46*y[71]+33/92*y[$
 $72]-363/46*y[73]+1175/184*y[74]+1105/92*y[75]+5021/368*y[76]-390/23*y[77]+215/$
 $23*y[78]-2505/46*y[79]-796/23*y[80]-2313/184*y[81]-1289/92*y[82]-1503/184*y[83]$
 $-1699/46*y[84]+9089/46*y[85]-234/23*y[90]+3603/46*y[91]+201/46*y[93]-2739/23*$
 $y[94];$
 $F142 := -3/14*y[46]+24/7*y[48]-36/7*y[49]+24/7*y[50]+9/14*y[86]+18/7*y[87]+27/$
 $7*y[88]-3*y[89]+60*y[95];$
 $F143 := 11/10*y[60]+8/5*y[61]-57/5*y[62]-y[63]+21/5*y[64]+33/10*y[66]-171/5*y[$
 $67]+24/5*y[68]-3*y[69]-9/5*y[76]+63/5*y[80]-9/10*y[81]-27*y[86]-108/5*y[87]+18$
 $/5*y[88]+6*y[89]-144/5*y[90]-27/5*y[91]+18/5*y[92]+63/5*y[93]-96/5*y[94]-42*y[$
 $95];$
 $F144 := 1/6*y[60]-2/3*y[61]-4*y[62]+2*y[64]+1/2*y[66]-12*y[67]-2*y[68]-1/2*y[$
 $76]+6*y[80]+y[81]-35/2*y[86]-28/3*y[87]+11*y[88]+5*y[89]-10*y[90]-13/2*y[91]+$
 $12*y[92]+11*y[93]-76/3*y[94]-70/3*y[95];$

```

F145 := 57/10*y[60]-24/5*y[61]-204/5*y[62]+102/5*y[64]+171/10*y[66]-612/5*y[67
]-72/5*y[68]-18/5*y[76]+276/5*y[80]-54/5*y[81]-207/2*y[86]-486/5*y[87]+81/5*y[
88]+33*y[89]-648/5*y[90]-9/5*y[91]-24/5*y[92]+36/5*y[93]-192/5*y[94]-84*y[95];
F146 := -y[59]+2/3*y[60]+4/3*y[61]+2*y[66]+4*y[68]-3*y[70]-y[76]+2*y[81]+10/3*
y[87]+4*y[91]+2*y[93]-20/3*y[94]-140/3*y[95];
F147 := 17/3*y[60]-38/3*y[61]-16*y[62]+18*y[64]+17*y[66]-48*y[67]-38*y[68]+3*y
[74]+54*y[80]-21*y[81]-80*y[86]-119*y[87]+4*y[88]+20*y[89]-102*y[90]+39*y[91]-\
36*y[92]-6*y[93]+32*y[94]+70*y[95];
F148 := -1/2*y[1]+1/2*y[2]-15/4*y[4]-1/4*y[8]+1/5*y[9]+3/4*y[11]-1/2*y[12]+14*
y[97]+35*y[98]+6*y[99]+14/5*y[100]+105/2*y[102];
F149 := 3*y[1]+2*y[2]-15/2*y[4]-5/2*y[8]-1/5*y[9]-y[10]+3/2*y[11]-y[12]-y[13]+
56*y[97]+20*y[98]-6*y[99]+56/5*y[100]+30*y[101]+195*y[102];
F150 := -8/3*y[3]-5/3*y[5]-y[15]+1/3*y[16]+2/3*y[17]-1/6*y[18]+y[19]-2/3*y[20]
+24*y[96]-38/3*y[97]+37/3*y[98]+19*y[99]+50/3*y[100];
F151 := -5/3*y[2]-8/3*y[3]-5*y[5]-3*y[15]-4/3*y[17]+7/6*y[18]+3*y[19]-2*y[20]+
42*y[96]-154/3*y[97]-79/3*y[98]+27*y[99]+70/3*y[100];
F152 := 2*y[4]+2/3*y[5]+y[21]-5/3*y[22]+y[23]-2*y[101]-34*y[102];
F153 := 5/3*y[5]-6*y[6]+y[30]+y[31]-40/3*y[97]-40/3*y[98]-8/3*y[100];
F154 := -9/5*y[7]-1/10*y[8]-4/5*y[9]+4/5*y[10]+9/10*y[11]-2/5*y[12]+2*y[13]-2/
5*y[41]-135/2*y[96]+24*y[103]-33*y[104]+21*y[105]-45*y[106]+12*y[107]+60*y[108
]+10*y[109]+20*y[110]-27/2*y[111];
F155 := -3/5*y[7]-7/10*y[8]-3/5*y[9]+3/5*y[10]+3/10*y[11]+1/5*y[12]+y[13]+6/5*
y[41]-135/2*y[96]-12*y[103]-6*y[104]+12*y[105]-15*y[106]+9*y[107]+45*y[108]-5*
y[109]-10*y[110]-9/2*y[111];
F156 := 17/56*y[8]-85/84*y[9]-7/24*y[10]-27/14*y[11]+6/7*y[12]+127/84*y[13]+
257/840*y[14]+71/28*y[15]-47/60*y[16]+13/28*y[17]-67/168*y[18]-27/14*y[19]+y[
20]-31/56*y[21]+41/56*y[22]+13/16*y[23]+199/84*y[24]-115/56*y[25]+3/14*y[26]-\
97/28*y[27]+25/14*y[28]-223/28*y[42]+39/7*y[43]-191/56*y[44]+3/16*y[45]+167/
224*y[46]+47/42*y[47]-13/3*y[48]+125/28*y[49]-4/3*y[50]-9/14*y[51]+1665/56*y[
96]-38/7*y[97]-515/28*y[98]-117/14*y[99]-164/35*y[100]+1863/112*y[105]+45/2*y[
106]+627/28*y[107]-711/14*y[108]+997/56*y[109]+35/2*y[110]+99/28*y[111];
F157 := 3/2*y[8]+1/5*y[9]-1/2*y[10]-3*y[13]+7/10*y[14]-y[15]+1/5*y[16]+y[17]-1
/2*y[18]-1/2*y[21]-3/2*y[22]+9/4*y[23]+y[24]-1/2*y[25]+12*y[26]-3*y[27]-6*y[28
]-3*y[42]+3*y[43]-3/2*y[44]+3/4*y[45]+3/8*y[46]-6*y[47]-9/2*y[96]+45*y[98]+18*
y[99]+72/5*y[100]-36*y[106]-36*y[107]+72*y[108]-45/2*y[109]+18*y[110]+9*y[111]
;
F158 := 6/7*y[8]-97/105*y[9]-1/3*y[10]-6/7*y[11]-2/7*y[12]+53/21*y[13]+38/105*
y[14]+11/7*y[15]-7/15*y[16]+10/7*y[17]-23/42*y[18]-6/7*y[19]-5/14*y[21]+12/7*y
[22]-y[23]+26/21*y[24]+1/7*y[25]+24/7*y[26]-38/7*y[27]+46/7*y[28]-80/7*y[42]+
78/7*y[43]-11/7*y[44]+13/14*y[46]+47/21*y[47]-17/3*y[48]+31/7*y[49]+1/3*y[50]-\
9/7*y[51]+117/7*y[96]-118/7*y[97]-205/7*y[98]+9/7*y[99]+386/35*y[100]+9/14*y[
105]-27*y[106]+30/7*y[107]-144/7*y[108]+76/7*y[109]+26*y[110]+18/7*y[111];
F159 := 7/16*y[8]-31/120*y[9]+1/48*y[10]-3/4*y[11]+53/24*y[13]+49/240*y[14]+3/
8*y[15]-19/120*y[16]-3/8*y[17]+1/48*y[18]-3/4*y[19]+43/16*y[21]-21/16*y[22]-67
/32*y[23]+11/24*y[24]+21/16*y[25]+3/2*y[26]-11/8*y[27]+11/4*y[28]-17/8*y[42]+9
/8*y[43]+29/16*y[44]-45/32*y[45]-5/64*y[46]+101/24*y[47]-7/3*y[48]+5/4*y[49]+2
/3*y[50]-1/2*y[51]+171/16*y[96]-2*y[97]-31/8*y[98]+9/4*y[99]+5*y[100]-9/2*y[
105]+51/2*y[106]+27/4*y[107]-57/2*y[108]-29/16*y[109]-37/4*y[110]+39/8*y[111];
F160 := 53/56*y[8]-13/84*y[9]+5/24*y[10]-15/14*y[11]+1/7*y[12]+223/84*y[13]+
149/840*y[14]+27/28*y[15]-1/12*y[16]-27/28*y[17]+53/168*y[18]-15/14*y[19]+185/
56*y[21]-83/56*y[22]-47/16*y[23]-17/84*y[24]+129/56*y[25]-3/14*y[26]-1/28*y[27
]+31/14*y[28]+41/28*y[42]-18/7*y[43]+205/56*y[44]-33/16*y[45]-125/224*y[46]+
127/21*y[47]-7/3*y[48]+29/28*y[49]+2/3*y[50]-5/14*y[51]+477/56*y[96]+52/7*y[97
]+25/28*y[98]-9/14*y[99]+178/35*y[100]-813/112*y[105]+105/2*y[106]+171/28*y[
107]-423/14*y[108]-535/56*y[109]-101/2*y[110]+111/28*y[111];
F161 := -27/56*y[8]-27/140*y[9]-1/8*y[10]-9/14*y[11]+2/7*y[12]+25/28*y[13]+13/
280*y[14]+5/28*y[15]+19/20*y[16]-5/28*y[17]+5/56*y[18]-9/14*y[19]+97/56*y[21]-\
103/56*y[22]-15/16*y[23]-9/28*y[24]+83/56*y[25]+18/7*y[26]-9/28*y[27]-15/14*y[
28]-51/28*y[42]+45/28*y[43]+291/56*y[44]-33/16*y[45]+37/224*y[46]+103/28*y[47]
-3/7*y[49]+2/7*y[51]-999/56*y[96]+132/7*y[97]+519/28*y[98]-81/14*y[99]+6/35*y[
100]-309/56*y[105]+18*y[106]-9/7*y[107]-24/7*y[108]-615/56*y[109]-57/2*y[110]+
201/28*y[111];
F162 := 25/8*y[8]+143/60*y[9]+7/24*y[10]-3/2*y[11]+23/12*y[13]+1/120*y[14]-17/
4*y[15]+19/12*y[16]-19/4*y[17]+13/24*y[18]-3/2*y[19]+89/8*y[21]-63/8*y[22]-61/
16*y[23]+19/12*y[24]+61/8*y[25]+3/2*y[26]+31/4*y[27]+5/2*y[28]+97/4*y[42]-19*y
[43]+41/8*y[44]-51/16*y[45]-153/32*y[46]+55/6*y[47]+7/3*y[48]-35/4*y[49]+22/3*
y[50]-1/2*y[51]+9/8*y[96]-34*y[97]+101/4*y[98]+135/2*y[99]+272/5*y[100]-981/16
*y[105]+261/2*y[106]-93/4*y[107]-27/2*y[108]-755/8*y[109]-211/2*y[110]+111/4*y

```

```

[111];
F163 := 7/3*y[8]+163/45*y[9]+1/9*y[10]-y[11]+1/9*y[13]-17/45*y[14]-17/3*y[15]+
23/9*y[16]-16/3*y[17]+11/18*y[18]-y[19]+79/6*y[21]-9*y[22]-26/3*y[23]-56/9*y[
24]+26/3*y[25]+2*y[26]+38/3*y[27]-22/3*y[28]+92/3*y[42]-23*y[43]+17/3*y[44]-3*
y[45]-65/12*y[46]+61/9*y[47]+56/9*y[48]-43/3*y[49]+92/9*y[50]-2*y[51]-6*y[96]-\
146/3*y[97]+211/3*y[98]+99*y[99]+1078/15*y[100]-333/4*y[105]+124*y[106]-42*y[
107]+10*y[108]-332/3*y[109]-250/3*y[110]+44*y[111];
F164 := 19/28*y[8]+449/210*y[9]-5/12*y[10]-3/7*y[11]-1/7*y[12]-31/42*y[13]-113
/420*y[14]-31/14*y[15]+47/30*y[16]-53/14*y[17]+103/84*y[18]-3/7*y[19]+219/28*y
[21]-221/28*y[22]-25/8*y[23]-79/42*y[24]+107/28*y[25]-9/7*y[26]+109/14*y[27]-\
61/7*y[28]+235/14*y[42]-80/7*y[43]+83/28*y[44]-15/8*y[45]-319/112*y[46]+55/21*
y[47]+5/3*y[48]-95/14*y[49]+17/3*y[50]-22/7*y[51]+675/28*y[96]-164/7*y[97]+971
/14*y[98]+477/7*y[99]+2104/35*y[100]-2397/56*y[105]+63*y[106]-327/14*y[107]+12
/7*y[108]-1661/28*y[109]-49*y[110]+333/14*y[111];
F165 := 17/8*y[8]+37/20*y[9]+5/8*y[10]+1/2*y[11]-25/12*y[13]-79/120*y[14]-67/
12*y[15]+21/20*y[16]-41/12*y[17]+7/8*y[18]+3/2*y[19]+107/24*y[21]-31/8*y[22]-5
/16*y[23]-89/12*y[24]+119/24*y[25]+3/2*y[26]+31/4*y[27]-23/2*y[28]+81/4*y[42]-\
20*y[43]+25/8*y[44]-27/16*y[45]-89/32*y[46]-5/6*y[47]+25/3*y[48]-39/4*y[49]+10
/3*y[50]+3/2*y[51]-207/8*y[96]-26*y[97]+181/4*y[98]+87/2*y[99]+88/5*y[100]-177
/16*y[105]+93/2*y[106]-33/4*y[107]+177/2*y[108]-395/8*y[109]-163/2*y[110]-33/4
*y[111];
F166 := -113/168*y[8]+2321/1260*y[9]-17/72*y[10]+31/14*y[11]-3/7*y[12]-1447/
252*y[13]-2321/2520*y[14]-109/28*y[15]+43/36*y[16]-31/28*y[17]-29/504*y[18]+17
/14*y[19]+y[20]+61/56*y[21]-59/56*y[22]-85/48*y[23]+377/252*y[24]+33/56*y[25]-\
5/14*y[26]+457/84*y[27]-769/42*y[28]+919/84*y[42]-65/7*y[43]-1201/168*y[44]+55
/16*y[45]-359/672*y[46]-1397/126*y[47]+85/9*y[48]-821/84*y[49]+22/9*y[50]-13/
14*y[51]-843/56*y[96]-1042/21*y[97]+5123/84*y[98]+783/14*y[99]+2108/105*y[100]
-417/112*y[105]-89/2*y[106]-513/28*y[107]+1465/14*y[108]-3389/168*y[109]+197/6
*y[110]+31/28*y[111];
F167 := -1/4*y[8]-1/10*y[9]-1/4*y[10]-1/2*y[13]-1/20*y[14]+1/2*y[15]-1/10*y[16
]+1/2*y[17]-1/4*y[18]-1/4*y[21]+1/4*y[22]+1/8*y[23]+3/2*y[24]-3/4*y[25]+y[26]-\
1/2*y[27]-2*y[28]-7/2*y[42]+7/2*y[43]-11/4*y[44]+11/8*y[45]+7/16*y[46]-2*y[47]
-9/4*y[96]-6*y[97]+15/2*y[98]+6*y[99]+6/5*y[100]-12*y[106]-3*y[107]+6*y[108]+
15/4*y[109]+15*y[110]+15/2*y[111];
F168 := 1/28*y[8]+8/21*y[9]+1/12*y[10]+3/14*y[11]+1/14*y[12]-37/42*y[13]-181/
840*y[14]-25/28*y[15]+4/15*y[16]-17/28*y[17]+23/168*y[18]+3/14*y[19]+13/28*y[
21]-47/28*y[22]+5/8*y[23]-131/84*y[24]+47/56*y[25]+39/28*y[26]+19/14*y[27]-23/
14*y[28]+20/7*y[42]-219/56*y[43]+1/56*y[44]-3/8*y[45]-73/224*y[46]-31/168*y[47
]+13/6*y[48]-125/56*y[49]+2/3*y[50]+9/28*y[51]-45/7*y[96]-23/7*y[97]+373/28*y[
98]+45/7*y[99]-23/35*y[100]-1065/224*y[105]+51/4*y[106]-627/56*y[107]+711/28*y
[108]-251/28*y[109]-28*y[110]+45/28*y[111];
F169 := 13/8*y[14]-1/2*y[16]+25/16*y[17]-65/64*y[18]-15/8*y[19]-5/16*y[20]+5/2
*y[29]+25/8*y[30]-17/8*y[31]-55/16*y[32]+55/16*y[33]+25/24*y[35]-15/8*y[36]-5/
8*y[37]-25/8*y[52]-875/64*y[53]+105/8*y[54]-5/8*y[55]+83/16*y[56]-445/64*y[57]
-15/8*y[58]-25/8*y[97]-345/8*y[98]-75/8*y[99]+95/8*y[100]-275/4*y[103]+325/8*y
[104];
F170 := 17/10*y[14]-y[15]+2/5*y[16]+13/4*y[17]-29/16*y[18]-3/2*y[19]-1/4*y[20]
+y[29]+37/10*y[30]-37/10*y[31]-19/4*y[32]+19/4*y[33]+5/6*y[35]-3/2*y[36]-1/2*y
[37]-5/2*y[52]-263/16*y[53]+21/2*y[54]-5/2*y[55]+139/20*y[56]-145/16*y[57]-3/2
*y[58]+15/2*y[97]-107/2*y[98]-45/2*y[99]+7/2*y[100]-47*y[103]+61/2*y[104];
F171 := -3/5*y[14]-2*y[17]+y[18]+2*y[29]-8/5*y[30]+8/5*y[31]+4*y[32]-4*y[33]+7
/2*y[53]-2*y[56]+5/2*y[57]-12*y[97]+24*y[98]+14*y[99]+4*y[100]+8*y[103]-8*y[
104];
F172 := -2*y[14]-7/2*y[17]+15/8*y[18]+3/2*y[19]+y[20]-3*y[30]+3*y[31]+9/2*y[32
]-9/2*y[33]-4/3*y[35]+3/2*y[36]+y[37]+3*y[52]+117/8*y[53]-11*y[54]+3*y[55]-15/
2*y[56]+87/8*y[57]+4*y[58]-21*y[97]+39*y[98]+27*y[99]+3*y[100]+54*y[103]-39*y[
104];
F173 := 2/5*y[14]-y[15]+1/5*y[16]+y[29]+2/5*y[30]-2/5*y[31]-y[32]-7/2*y[53]+2*
y[55]-2/5*y[56]+1/2*y[57]+10*y[97]-y[98]-5*y[99]+2*y[100];
F174 := -5/4*y[14]-1/5*y[16]-21/8*y[17]+61/32*y[18]+9/4*y[19]-3/8*y[20]-9/4*y[
30]+9/4*y[31]+27/8*y[32]-27/8*y[33]-3/4*y[35]-3/4*y[36]+9/4*y[37]+13/4*y[52]+
351/32*y[53]-45/4*y[54]+9/4*y[55]-219/40*y[56]+249/32*y[57]+7/4*y[58]+21/4*y[
97]+237/4*y[98]+63/4*y[99]-3/4*y[100]+63/2*y[103]-81/4*y[104];
F175 := -39/40*y[14]-3/10*y[16]-35/16*y[17]+75/64*y[18]+9/8*y[19]-1/16*y[20]-\
99/40*y[30]+99/40*y[31]+45/16*y[32]-45/16*y[33]-y[34]-11/24*y[35]+9/8*y[36]-1/
8*y[37]+11/8*y[52]+585/64*y[53]-43/8*y[54]+15/8*y[55]-357/80*y[56]+399/64*y[57
]+5/8*y[58]-45/8*y[97]+219/8*y[98]+105/8*y[99]-21/8*y[100]+105/4*y[103]-135/8*
y[104];

```

```

F176 := -30*y[22]+y[23]+10/3*y[25]+20*y[26]-16/5*y[27]-64/5*y[29]-2248/75*y[30]
-344/25*y[31]+87/5*y[32]-98/5*y[33]-62/15*y[35]+127/5*y[36]+16/3*y[37]-3*y[38]
+201/25*y[39]-299/5*y[40]+y[59]-68/3*y[62]+8*y[63]+79/15*y[64]-2/3*y[65]-22/3
*y[66]-74*y[67]-68/3*y[68]+92/3*y[69]+11*y[70]+15*y[71]+11/3*y[72]-19/5*y[73]+
14/3*y[74]+137/75*y[75]-y[76]-16/3*y[77]-4*y[78]-46/3*y[79]-4*y[80]-34/15*y[81]
-2852/15*y[97]-350/3*y[98]+1462/15*y[99]+6508/75*y[100]-276/5*y[101]+260*y[
102]-101/3*y[105]-848/3*y[106]-1976/15*y[107]+728/3*y[108]-158/3*y[109]+160/3*
y[110]+152/15*y[111];
F177 := -131/4*y[22]+y[24]+7/2*y[25]+24*y[26]-27/5*y[27]-79/5*y[29]-2573/75*y[
30]-397/25*y[31]+387/20*y[32]-209/10*y[33]-2/3*y[34]-76/15*y[35]+147/5*y[36]+
41/5*y[37]-5*y[38]+47/5*y[39]-66*y[40]+3/8*y[59]-151/6*y[62]+31/3*y[63]+63/10*
y[64]-3/4*y[65]-8*y[66]-78*y[67]-30*y[68]+38*y[69]+49/4*y[70]+19*y[71]+4*y[72]
-67/15*y[73]+59/12*y[74]+107/50*y[75]-3/8*y[76]-8*y[77]-5*y[78]-271/15*y[79]-\
25/6*y[80]-53/20*y[81]-3223/15*y[97]-709/6*y[98]+566/5*y[99]+7457/75*y[100]-\
334/5*y[101]+263*y[102]-81/2*y[105]-310*y[106]-724/5*y[107]+260*y[108]-184/3*y
[109]+160/3*y[110]+66/5*y[111];
F178 := 5/4*y[22]+1/3*y[26]-2/3*y[27]+y[28]+1/3*y[29]+8/5*y[30]+2/5*y[31]-3/4*
y[32]+7/6*y[33]+2/9*y[34]+2/9*y[35]-2*y[36]+7/9*y[37]-5/6*y[38]-1/5*y[39]+7/3*
y[40]-5/24*y[59]+11/9*y[62]-2/9*y[63]+7/36*y[65]-1/3*y[66]+17/6*y[67]-1/9*y[69]
-11/12*y[70]-y[71]+1/6*y[72]+1/18*y[73]-35/36*y[74]+1/5*y[75]+5/24*y[76]-4/9*
y[77]+1/3*y[78]+7/9*y[79]+1/2*y[80]+23/3*y[97]+37/6*y[98]-14/3*y[99]-27/5*y[
100]-2/3*y[101]-55/3*y[102]-5/6*y[105]+55/3*y[106]+13/3*y[107]-16*y[108]+10/9*
y[109]-40/9*y[110]+4/3*y[111];
F179 := -225/2*y[22]+25/2*y[25]+90*y[26]-18*y[27]-57*y[29]-604/5*y[30]-276/5*y
[31]+135/2*y[32]-73*y[33]-17*y[35]+207/2*y[36]+28*y[37]-15*y[38]+166/5*y[39]-\
234*y[40]+5/4*y[59]-175/2*y[62]+35*y[63]+21*y[64]-5/2*y[65]-30*y[66]-535/2*y[
67]-100*y[68]+135*y[69]+85/2*y[70]+135/2*y[71]+15*y[72]-33/2*y[73]+35/2*y[74]+
41/5*y[75]-5/4*y[76]-30*y[77]-35/2*y[78]-65*y[79]-15*y[80]-19/2*y[81]-756*y[97]
-410*y[98]+396*y[99]+1724/5*y[100]-216*y[101]+990*y[102]-145*y[105]-1080*y[
106]-502*y[107]+890*y[108]-210*y[109]+180*y[110]+46*y[111];
F180 := 35/4*y[22]-5/4*y[25]-3*y[26]+7/2*y[29]+26/3*y[30]+23/5*y[31]-9/2*y[32]
+5*y[33]+2/3*y[34]+7/6*y[35]-27/4*y[36]-y[37]+1/2*y[38]-14/5*y[39]+18*y[40]-3/
8*y[59]+89/12*y[62]-25/12*y[63]-3/2*y[64]+2*y[66]+93/4*y[67]+6*y[68]-33/4*y[69]
-29/8*y[70]-19/4*y[71]-y[72]+17/12*y[73]-13/6*y[74]-7/10*y[75]+3/8*y[76]+2*y[
77]+5/4*y[78]+14/3*y[79]+17/12*y[80]+5/8*y[81]+185/3*y[97]+265/6*y[98]-59/2*y[
99]-403/15*y[100]+14*y[101]-77*y[102]+15/2*y[105]+88*y[106]+41*y[107]-83*y[108]
+55/3*y[109]-58/3*y[110]-3*y[111];
F181 := -y[21]+45/2*y[22]-7/2*y[25]-18*y[26]+18/5*y[27]+51/5*y[29]+524/25*y[30]
+288/25*y[31]-129/10*y[32]+63/5*y[33]+13/5*y[35]-171/10*y[36]-24/5*y[37]+5*y[
38]-6*y[39]+42*y[40]-3/4*y[59]+33/2*y[62]-6*y[63]-21/5*y[64]+1/2*y[65]+6*y[66]
+117/2*y[67]+12*y[68]-24*y[69]-6*y[70]-21/2*y[71]-3*y[72]+27/10*y[73]-3/2*y[74]
-39/25*y[75]+3/4*y[76]+6*y[77]+5/2*y[78]+53/5*y[79]+2*y[80]+8/5*y[81]+724/5*y
[97]+94*y[98]-344/5*y[99]-1436/25*y[100]+246/5*y[101]-152*y[102]+27*y[105]+192
*y[106]+486/5*y[107]-162*y[108]+42*y[109]-36*y[110]-54/5*y[111];
F182 := y[21]-105*y[22]+12*y[25]+84*y[26]-96/5*y[27]-276/5*y[29]-2834/25*y[30]
-1362/25*y[31]+63*y[32]-66*y[33]-82/5*y[35]+483/5*y[36]+152/5*y[37]-15*y[38]+
777/25*y[39]-1083/5*y[40]+2*y[61]-84*y[62]+34*y[63]+99/5*y[64]-2*y[65]-28*y[66]
-246*y[67]-98*y[68]+130*y[69]+42*y[70]+69*y[71]+13*y[72]-81/5*y[73]+18*y[74]+
39/5*y[75]-32*y[77]-18*y[78]-314/5*y[79]-14*y[80]-9*y[81]-716*y[97]-374*y[98]+
378*y[99]+1636/5*y[100]-210*y[101]+882*y[102]-132*y[105]-1008*y[106]-2292/5*y[
107]+828*y[108]-198*y[109]+168*y[110]+42*y[111];
F183 := 100*y[22]-35/3*y[25]-80*y[26]+20*y[27]+54*y[29]+536/5*y[30]+268/5*y[31]
-61*y[32]+62*y[33]+16*y[35]-92*y[36]-92/3*y[37]+15*y[38]-148/5*y[39]+202*y[40]
+235/3*y[62]-100/3*y[63]-58/3*y[64]+5/3*y[65]+80/3*y[66]+235*y[67]+280/3*y[68]
-380/3*y[69]-75/2*y[70]-65*y[71]-40/3*y[72]+15*y[73]-40/3*y[74]-22/3*y[75]+
100/3*y[77]+15*y[78]+178/3*y[79]+40/3*y[80]+25/3*y[81]+680*y[97]+1040/3*y[98]-\
1090/3*y[99]-312*y[100]+220*y[101]-740*y[102]+370/3*y[105]+2860/3*y[106]+1304/
3*y[107]-2380/3*y[108]+580/3*y[109]-440/3*y[110]-104/3*y[111];
F184 := -165/4*y[22]+9/2*y[25]+36*y[26]-42/5*y[27]-22*y[29]-692/15*y[30]-551/
25*y[31]+513/20*y[32]-271/10*y[33]+2/3*y[34]-98/15*y[35]+39*y[36]+62/5*y[37]-7
*y[38]+308/25*y[39]-432/5*y[40]-100/3*y[62]+41/3*y[63]+79/10*y[64]-y[65]-12*y[
66]-195/2*y[67]-40*y[68]+54*y[69]+65/4*y[70]+55/2*y[71]+6*y[72]-41/6*y[73]+85/
12*y[74]+84/25*y[75]-14*y[77]-7*y[78]-392/15*y[79]-16/3*y[80]-18/5*y[81]-4307/
15*y[97]-893/6*y[98]+1503/10*y[99]+9673/75*y[100]-416/5*y[101]+358*y[102]-55*y
[105]-405*y[106]-909/5*y[107]+320*y[108]-224/3*y[109]+224/3*y[110]+94/5*y[111]
;
F185 := -125*y[22]+y[23]+13*y[25]+100*y[26]-116/5*y[27]-334/5*y[29]-10288/75*y
[30]-1624/25*y[31]+377/5*y[32]-398/5*y[33]-302/15*y[35]+587/5*y[36]+36*y[37]-\

```

$17*y[38]+936/25*y[39]-1294/5*y[40]-101*y[62]+124/3*y[63]+118/5*y[64]-7/3*y[65]-32*y[66]-289*y[67]-120*y[68]+472/3*y[69]+99/2*y[70]+85*y[71]+16*y[72]-99/5*y[73]+23*y[74]+234/25*y[75]-116/3*y[77]-21*y[78]-230/3*y[79]-52/3*y[80]-53/5*y[81]-12872/15*y[97]-1312/3*y[98]+2294/5*y[99]+29848/75*y[100]-1236/5*y[101]+1056*y[102]-158*y[105]-1216*y[106]-2732/5*y[107]+996*y[108]-236*y[109]+200*y[110]+244/5*y[111];$
 $F186 := 125/4*y[22]-5/2*y[25]-15*y[26]+3*y[27]+17*y[29]+529/15*y[30]+83/5*y[31]-81/4*y[32]+43/2*y[33]+2/3*y[34]+17/3*y[35]-63/2*y[36]-7*y[37]-5/2*y[38]-47/5*y[39]+63*y[40]+80/3*y[62]-65/6*y[63]-11/2*y[64]+5*y[66]+135/2*y[67]+30*y[68]-\ 75/2*y[69]-55/4*y[70]-25*y[71]-5/2*y[72]+14/3*y[73]-95/12*y[74]-17/10*y[75]+10*y[77]+5*y[78]+62/3*y[79]+20/3*y[80]+2*y[81]+668/3*y[97]+595/6*y[98]-131*y[99]-1702/15*y[100]+56*y[101]-245*y[102]+25*y[105]+335*y[106]+133*y[107]-300*y[108]+190/3*y[109]-160/3*y[110]-2*y[111];$
 $F187 := -29*y[22]+y[24]+11/4*y[25]+28*y[26]-37/5*y[27]-163/10*y[29]-2408/75*y[30]-397/25*y[31]+171/10*y[32]-87/5*y[33]-49/10*y[35]+543/20*y[36]+158/15*y[37]-9/2*y[38]+44/5*y[39]-62*y[40]-1/4*y[59]-95/4*y[62]+29/3*y[63]+29/5*y[64]-1/6*y[65]-9*y[66]-269/4*y[67]-30*y[68]+119/3*y[69]+11*y[70]+79/4*y[71]+9/2*y[72]-\ 101/20*y[73]+5*y[74]+137/50*y[75]+1/4*y[76]-31/3*y[77]-19/4*y[78]-547/30*y[79]-11/3*y[80]-53/20*y[81]-2953/15*y[97]-583/6*y[98]+1037/10*y[99]+6707/75*y[100]-299/5*y[101]+256*y[102]-43*y[105]-273*y[106]-644/5*y[107]+215*y[108]-53*y[109]+38*y[110]+71/5*y[111];$
 $F188 := -255/2*y[22]+27/2*y[25]+90*y[26]-18*y[27]-63*y[29]-702/5*y[30]-306/5*y[31]+153/2*y[32]-85*y[33]-2*y[34]-21*y[35]+243/2*y[36]+30*y[37]-10*y[38]+186/5*y[39]-264*y[40]+5/4*y[59]-205/2*y[62]+40*y[63]+23*y[64]-5/2*y[65]-30*y[66]-\ 585/2*y[67]-120*y[68]+150*y[69]+105/2*y[70]+165/2*y[71]+15*y[72]-39/2*y[73]+55/2*y[74]+43/5*y[75]-5/4*y[76]-30*y[77]-45/2*y[78]-77*y[79]-20*y[80]-10*y[81]-\ 854*y[97]-440*y[98]+464*y[99]+2046/5*y[100]-228*y[101]+1150*y[102]-145*y[105]-\ 1280*y[106]-562*y[107]+1070*y[108]-230*y[109]+220*y[110]+40*y[111];$
 $F189 := 5/4*y[22]+8/3*y[26]-4/3*y[27]-1/3*y[29]+22/15*y[30]-3/5*y[31]-3/4*y[32]+11/6*y[33]+4/9*y[34]+1/9*y[35]-3/2*y[36]+14/9*y[37]-7/6*y[38]-1/5*y[39]+8/3*y[40]-1/6*y[59]+17/18*y[62]-1/9*y[63]+1/18*y[65]-2/3*y[66]+8/3*y[67]+10/9*y[69]-5/6*y[70]-1/2*y[71]+1/3*y[72]+1/9*y[73]-43/36*y[74]+1/10*y[75]+1/6*y[76]-14/9*y[77]+1/6*y[78]+8/9*y[79]+2/3*y[80]+9*y[97]+15/2*y[98]-35/6*y[99]-97/15*y[100]-10/3*y[101]-86/3*y[102]-5/3*y[105]+59/3*y[106]+17/3*y[107]-22*y[108]+20/9*y[109]-44/9*y[110]+2/3*y[111];$
 $F190 := -75/4*y[22]+5/2*y[25]+65/3*y[26]-19/3*y[27]-34/3*y[29]-296/15*y[30]-12*y[31]+45/4*y[32]-61/6*y[33]+10/9*y[34]-29/9*y[35]+33/2*y[36]+89/9*y[37]-20/3*y[38]+6*y[39]-115/3*y[40]-5/12*y[59]-125/9*y[62]+65/9*y[63]+4*y[64]-10/9*y[65]-20/3*y[66]-275/6*y[67]-20*y[68]+250/9*y[69]+20/3*y[70]+25/2*y[71]+10/3*y[72]-\ 49/18*y[73]+5/36*y[74]+17/10*y[75]+5/12*y[76]-80/9*y[77]-10/3*y[78]-97/9*y[79]-5/6*y[80]-2*y[81]-121*y[97]-115/2*y[98]+188/3*y[99]+797/15*y[100]-160/3*y[101]+325/3*y[102]-95/3*y[105]-475/3*y[106]-247/3*y[107]+120*y[108]-310/9*y[109]+160/9*y[110]+38/3*y[111];$
 $F191 := -65/2*y[22]+15/4*y[25]+80/3*y[26]-19/3*y[27]+y[28]-101/6*y[29]-523/15*y[30]-17*y[31]+39/2*y[32]-62/3*y[33]+1/9*y[34]-91/18*y[35]+121/4*y[36]+80/9*y[37]-65/12*y[38]+93/10*y[39]-193/3*y[40]+5/24*y[59]-905/36*y[62]+95/9*y[63]+25/4*y[64]-25/36*y[65]-55/6*y[66]-925/12*y[67]-30*y[68]+370/9*y[69]+35/3*y[70]+20*y[71]+55/12*y[72]-85/18*y[73]+35/9*y[74]+5/2*y[75]-5/24*y[76]-95/9*y[77]-55/12*y[78]-341/18*y[79]-25/6*y[80]-21/8*y[81]-652/3*y[97]-665/6*y[98]+347/3*y[99]+1498/15*y[100]-202/3*y[101]+745/3*y[102]-125/3*y[105]-925/3*y[106]-430/3*y[107]+255*y[108]-535/9*y[109]+430/9*y[110]+44/3*y[111];$
 $F192 := 25*y[38]-3*y[39]-15*y[40]-3*y[82]+3*y[83]+y[84]+25*y[85]+45*y[101]+275*y[102];$
 $F193 := 2*y[43]-2*y[44]+2*y[45]-2/3*y[47]-4/3*y[48]+2/3*y[50]-2/3*y[51]+12*y[96]+12*y[103]-6*y[104]-56*y[112];$
 $F194 := 4*y[41]+7*y[43]-9*y[44]+3*y[45]-y[46]-5*y[47]-5*y[48]+5*y[50]-5*y[51]+27*y[96]+72*y[103]-45*y[104]-168*y[112];$
 $F195 := 231/8*y[44]-39/2*y[45]-13/3*y[46]-365/12*y[47]-15/2*y[49]+61/2*y[50]-\ 83/6*y[51]-91/3*y[52]+39*y[53]+15*y[54]+25/3*y[55]-6*y[56]-75/2*y[57]-42*y[58]-545/24*y[59]+175/18*y[60]+995/18*y[61]-95/3*y[62]-215/18*y[63]+11/6*y[64]+175/12*y[65]-5/2*y[66]-45/2*y[67]-5/2*y[68]+15/2*y[69]+25/8*y[70]+145/6*y[72]-85/12*y[73]-135/4*y[74]+233/30*y[75]-65/6*y[76]-35/3*y[77]-15/4*y[78]+91/2*y[79]+35/6*y[80]-5/4*y[81]+3/2*y[86]-215/24*y[87]-243/4*y[88]+137/12*y[89]+13*y[97]+365/2*y[98]+99/2*y[99]+73/5*y[100]+685/2*y[103]-2265/8*y[104]+605/12*y[105]-\ 1115/24*y[106]+1901/24*y[107]-605/3*y[108]+445/3*y[109]+410*y[110]+737/12*y[111];$
 $F196 := -33*y[44]+75/4*y[45]+8/3*y[46]+95/6*y[47]+3*y[49]-19*y[50]+23/3*y[51]+268/15*y[52]-192/5*y[53]-12/5*y[54]-16/15*y[55]+18/5*y[56]+27*y[57]+138/5*y[58]$

$$\begin{aligned}
&]+197/12*y[59]-49/9*y[60]-329/9*y[61]+107/6*y[62]+62/9*y[63]-11/30*y[64]-55/6* \\
& y[65]+5*y[66]+51/2*y[67]-7*y[68]-13/4*y[70]-46/3*y[72]+221/30*y[73]+49/2*y[74] \\
& -25/3*y[75]+14/3*y[76]+46/3*y[77]-1/2*y[78]-119/5*y[79]-14/3*y[80]+3/2*y[81]-3 \\
& /2*y[86]+26/3*y[87]+45*y[88]-13/3*y[89]-23*y[97]-116*y[98]-18*y[99]-29/5*y[100] \\
&]-265*y[103]+213*y[104]-97/3*y[105]+32/3*y[106]-1259/30*y[107]+893/6*y[108]-\ \\
& 463/6*y[109]-301*y[110]-743/15*y[111]-14*y[112]; \\
F197 := & 47/2*y[44]-31/2*y[45]-59/18*y[46]-230/9*y[47]-6*y[49]+74/3*y[50]-106/9 \\
& *y[51]-220/9*y[52]+25*y[53]+12*y[54]+70/9*y[55]-24/5*y[56]-30*y[57]-32*y[58]-\ \\
& 335/18*y[59]+230/27*y[60]+1210/27*y[61]-445/18*y[62]-280/27*y[63]+29/18*y[64]+ \\
& 115/9*y[65]-10/3*y[66]-35/2*y[67]-10/3*y[68]+10*y[69]+5/3*y[70]+170/9*y[72]-49 \\
& /9*y[73]-80/3*y[74]+283/45*y[75]-155/18*y[76]-110/9*y[77]-10/3*y[78]+113/3*y[\\
& 79]+40/9*y[80]+2*y[86]-125/18*y[87]-51*y[88]+77/9*y[89]-5/3*y[97]+415/3*y[98]+ \\
& 45*y[99]+41/3*y[100]+845/3*y[103]-465/2*y[104]+395/9*y[105]-635/18*y[106]+1097 \\
& /18*y[107]-1355/9*y[108]+1045/9*y[109]+920/3*y[110]+419/9*y[111]+70/3*y[112]; \\
F198 := & 15*y[44]-54/5*y[45]-41/15*y[46]-277/15*y[47]-y[48]-4*y[49]+94/5*y[50]-\ \\
& 44/5*y[51]-274/15*y[52]+84/5*y[53]+42/5*y[54]+34/5*y[55]-92/25*y[56]-23*y[57]-\ \\
& 124/5*y[58]-27/2*y[59]+19/3*y[60]+101/3*y[61]-37/2*y[62]-8*y[63]+9/10*y[64]+28 \\
& /3*y[65]-3*y[66]-27/2*y[67]-y[68]+8*y[69]+3/2*y[70]+43/3*y[72]-58/15*y[73]-61/ \\
& 3*y[74]+109/25*y[75]-20/3*y[76]-22/3*y[77]-7/3*y[78]+419/15*y[79]+2*y[80]+11/ \\
& 10*y[86]-11/2*y[87]-194/5*y[88]+106/15*y[89]-17/5*y[97]+103*y[98]+177/5*y[99]+ \\
& 273/25*y[100]+211*y[103]-174*y[104]+193/6*y[105]-167/6*y[106]+668/15*y[107]-\ \\
& 667/6*y[108]+521/6*y[109]+227*y[110]+1079/30*y[111]+14*y[112]; \\
F199 := & -57/8*y[44]+33/8*y[45]+3/4*y[46]+y[47]-3*y[50]-1/3*y[52]+15/2*y[53]+9* \\
& y[54]+2*y[55]-6/5*y[56]+15/2*y[57]+6*y[58]+5/2*y[59]-5/2*y[60]-25/6*y[61]-5/4* \\
& y[62]+10/3*y[63]+3/4*y[64]-25/12*y[65]+15/2*y[66]+75/4*y[67]-15/2*y[68]-10*y[\\
& 69]+5/4*y[70]-25/6*y[72]+5/3*y[73]+25/3*y[74]-2*y[75]+5/6*y[76]+10/3*y[77]-10/ \\
& 3*y[78]-3*y[79]+5/6*y[80]+3/4*y[81]-5/2*y[86]-15/8*y[87]+55/4*y[88]-5/12*y[89] \\
& -13*y[97]-25*y[98]+3*y[99]+17/5*y[100]-215/6*y[103]+845/24*y[104]-65/12*y[105] \\
& -785/24*y[106]-277/24*y[107]+425/6*y[108]-5/2*y[109]-80/3*y[110]-17/6*y[111]+ \\
& 70/3*y[112]; \\
F200 := & -103/2*y[44]+31*y[45]+91/18*y[46]+307/9*y[47]+8*y[49]-112/3*y[50]+152/ \\
& 9*y[51]+1504/45*y[52]-232/5*y[53]-32/5*y[54]-238/45*y[55]+32/5*y[56]+49*y[57]+ \\
& 268/5*y[58]+269/9*y[59]-364/27*y[60]-1832/27*y[61]+617/18*y[62]+431/27*y[63]-\ \\
& 13/18*y[64]-155/9*y[65]+32/3*y[66]+103/2*y[67]-16/3*y[68]-15*y[69]-29/6*y[70]-\ \\
& 268/9*y[72]+442/45*y[73]+139/3*y[74]-551/45*y[75]+110/9*y[76]+178/9*y[77]+y[78] \\
&]-53*y[79]-71/9*y[80]+3/2*y[81]-5*y[86]+175/18*y[87]+83*y[88]-103/9*y[89]-107/ \\
& 3*y[97]-677/3*y[98]-47*y[99]-49/3*y[100]-445*y[103]+2203/6*y[104]-1091/18*y[\\
& 105]+583/18*y[106]-8741/90*y[107]+2635/9*y[108]-1433/9*y[109]-1520/3*y[110]-\ \\
& 2897/45*y[111]-70/3*y[112]; \\
F201 := & -381/8*y[44]+1113/40*y[45]+241/60*y[46]+503/15*y[47]+6*y[49]-161/5*y[\\
& 50]+238/15*y[51]+469/15*y[52]-411/10*y[53]-9*y[54]-64/15*y[55]+138/25*y[56]+87 \\
& /2*y[57]+234/5*y[58]+163/6*y[59]-215/18*y[60]-1117/18*y[61]+379/12*y[62]+134/9 \\
& *y[63]-61/60*y[64]-203/12*y[65]+21/2*y[66]+165/4*y[67]-1/2*y[68]-14*y[69]-19/4 \\
& *y[70]-161/6*y[72]+136/15*y[73]+41*y[74]-853/75*y[75]+32/3*y[76]+64/3*y[77]+2* \\
& y[78]-252/5*y[79]-49/6*y[80]+5/4*y[81]-27/5*y[86]+187/24*y[87]+1479/20*y[88]-\ \\
& 581/60*y[89]-142/5*y[97]-206*y[98]-228/5*y[99]-382/25*y[100]-803/2*y[103]+2667 \\
& /8*y[104]-709/12*y[105]+631/24*y[106]-10349/120*y[107]+772/3*y[108]-446/3*y[\\
& 109]-451*y[110]-872/15*y[111]-56*y[112]; \\
F202 := & y[43]-30*y[44]+1467/80*y[45]+349/120*y[46]+2663/120*y[47]+21/4*y[49]-\ \\
& 473/20*y[50]+689/60*y[51]+347/15*y[52]-177/5*y[53]-51/5*y[54]-127/30*y[55]+207 \\
& /50*y[56]+30*y[57]+329/10*y[58]+907/48*y[59]-68/9*y[60]-791/18*y[61]+565/24*y[\\
& 62]+319/36*y[63]-121/120*y[64]-133/12*y[65]+3*y[66]+165/8*y[67]+1/2*y[68]-19/4 \\
& *y[69]-53/16*y[70]-56/3*y[72]+703/120*y[73]+229/8*y[74]-2129/300*y[75]+47/6*y[\\
& 76]+85/6*y[77]+13/8*y[78]-689/20*y[79]-35/6*y[80]+3/4*y[81]-33/10*y[86]+173/24 \\
& *y[87]+1023/20*y[88]-457/60*y[89]-74/5*y[97]-553/4*y[98]-699/20*y[99]-329/25*y \\
& [100]-284*y[103]+465/2*y[104]-229/6*y[105]+437/24*y[106]-6871/120*y[107]+485/3 \\
& *y[108]-304/3*y[109]-625/2*y[110]-5819/120*y[111]-21*y[112]; \\
F203 := & -45/2*y[44]+51/4*y[45]+5/3*y[46]+89/6*y[47]+3*y[49]-15*y[50]+23/3*y[51] \\
&]+226/15*y[52]-129/5*y[53]-34/5*y[54]-22/15*y[55]+14/5*y[56]+19*y[57]+106/5*y[\\
& 58]+151/12*y[59]-44/9*y[60]-262/9*y[61]+47/3*y[62]+52/9*y[63]-8/15*y[64]-22/3* \\
& y[65]+2*y[66]+15*y[67]-2*y[69]-11/4*y[70]-y[71]-37/3*y[72]+119/30*y[73]+39/2*y \\
& [74]-74/15*y[75]+5*y[76]+32/3*y[77]+1/2*y[78]-114/5*y[79]-13/3*y[80]+5/6*y[81] \\
& -3*y[86]+4*y[87]+34*y[88]-14/3*y[89]-14*y[97]-93*y[98]-21*y[99]-46/5*y[100]-\ \\
& 190*y[103]+311/2*y[104]-151/6*y[105]+25/3*y[106]-548/15*y[107]+326/3*y[108]-\ \\
& 190/3*y[109]-212*y[110]-1019/30*y[111]-28/3*y[112]; \\
F204 := & 18*y[44]-9*y[45]+6*y[47]+18*y[53]-4*y[55]-y[59]+5*y[62]+2*y[63]-y[64]-\ \\
& 4*y[65]-9*y[67]-6*y[69]+3*y[70]-2*y[74]+2/5*y[75]+y[76]-4*y[77]+2*y[78]-6*y[79] \\
&]+2*y[80]-y[81]+18*y[97]-18*y[98]-18*y[99]-18/5*y[100]-10*y[103]+10*y[104]+2*y
\end{aligned}$$

```

[105]-12*y[106]-6*y[107]+12*y[108]-12*y[109]+36*y[110]-28*y[112];
F205 := -3/2*y[44]+1/2*y[45]-4/3*y[52]+12*y[53]+4*y[54]-14/9*y[60]+2/9*y[61]-7/3*y[62]+22/9*y[63]+1/3*y[64]-y[65]+14/3*y[66]+7*y[67]-2/3*y[68]-22/3*y[69]-y[86]-5/2*y[87]+2*y[88]+11*y[103]-7/2*y[104]-13/2*y[106]-5/2*y[107]+20*y[108]+20*y[110]+10*y[111];
F206 := -y[44]+2*y[47]+14*y[53]-4/3*y[55]-16/9*y[60]-8/9*y[61]-5/3*y[62]+26/9*y[63]+1/3*y[64]-4/3*y[65]+16/3*y[66]+7*y[67]+8/3*y[68]-26/3*y[69]-2/3*y[74]+2/15*y[75]+1/3*y[76]-4/3*y[77]+2/3*y[78]-2*y[79]+2/3*y[80]-1/3*y[81]-y[87]+2*y[88]-2/3*y[89]+6*y[97]-6*y[98]-6*y[99]-6/5*y[100]+10/3*y[103]+5/3*y[104]-5/3*y[105]+y[106]-7*y[107]+22*y[108]-14/3*y[109]+32/3*y[110]+10*y[111]-28/3*y[112];
F207 := 9/2*y[44]-9/4*y[45]+3/2*y[47]+12*y[53]-8/3*y[55]-7/12*y[59]-2/3*y[60]+4/3*y[63]-1/3*y[64]-3/2*y[65]+2*y[66]-6*y[69]+7/4*y[70]-y[71]+2/3*y[72]-1/6*y[73]-7/6*y[74]+4/15*y[75]+7/6*y[78]-2*y[79]+2/3*y[80]-1/2*y[81]-1/3*y[87]+2*y[88]+9*y[97]-6*y[99]+3/5*y[100]+5/3*y[103]+5/6*y[104]-5/2*y[105]-14/3*y[106]-7/3*y[107]+14/3*y[108]-14/3*y[109]+64/3*y[110]+11/6*y[111]-14/3*y[112];
F208 := -y[43]+6*y[44]-63/20*y[45]-1/30*y[46]+13/30*y[47]+7/5*y[50]-11/15*y[51]-4/5*y[52]+42/5*y[53]-4/5*y[54]-34/15*y[55]-16/25*y[56]-y[57]-12/5*y[58]-19/12*y[59]+4/9*y[60]+26/9*y[61]-5/6*y[62]-5/9*y[63]-11/30*y[64]-9/2*y[67]+2*y[68]-3*y[69]+5/4*y[70]+4/3*y[72]-9/10*y[73]-17/6*y[74]+71/75*y[75]-1/3*y[76]-2/3*y[77]+5/6*y[78]+1/5*y[79]+4/3*y[80]-2/3*y[81]+4/5*y[86]-1/2*y[87]-17/5*y[88]+1/5*y[89]+64/5*y[97]+13*y[98]-19/5*y[99]+44/25*y[100]+24*y[103]-19*y[104]-y[105]+17/2*y[106]+33/10*y[107]-24*y[108]+34*y[110]+47/10*y[111]+28/3*y[112];
F209 := -y[42]-3/2*y[44]+81/80*y[45]+77/120*y[46]+409/120*y[47]+3/4*y[49]-59/20*y[50]+67/60*y[51]+47/15*y[52]-7/5*y[54]-5/2*y[55]+21/50*y[56]+9/2*y[57]+39/10*y[58]+31/16*y[59]-8/9*y[60]-101/18*y[61]+73/24*y[62]+49/36*y[63]-29/120*y[64]-23/12*y[65]+y[66]+9/8*y[67]-1/2*y[68]-9/4*y[69]+1/16*y[70]-2*y[72]+61/120*y[73]+73/24*y[74]-69/100*y[75]+11/12*y[76]+13/6*y[77]+17/24*y[78]-101/20*y[79]+1/6*y[80]-1/4*y[81]+3/5*y[86]+13/8*y[87]+149/20*y[88]-71/60*y[89]+61/10*y[97]-53/4*y[98]-147/20*y[99]+1/50*y[100]-211/6*y[103]+86/3*y[104]-25/3*y[105]+251/24*y[106]-661/120*y[107]+32/3*y[108]-17*y[109]-215/6*y[110]-989/120*y[111]+14/3*y[112];
F210 := 3*y[44]-9/5*y[45]-7/30*y[46]-37/15*y[47]-y[48]+14/5*y[50]-32/15*y[51]-44/15*y[52]+24/5*y[53]+12/5*y[54]+2/15*y[55]-12/25*y[56]-3*y[57]-24/5*y[58]-7/3*y[59]+8/9*y[60]+46/9*y[61]-19/6*y[62]-7/9*y[63]+7/30*y[64]+5/6*y[65]-3/2*y[67]-2*y[68]+y[69]+1/2*y[70]+5/3*y[72]-8/15*y[73]-3*y[74]+77/75*y[75]-5/6*y[76]-2/3*y[77]-y[78]+23/5*y[79]+4/3*y[80]+3/5*y[86]-1/3*y[87]-24/5*y[88]+16/15*y[89]+23/5*y[97]+19*y[98]+27/5*y[99]+113/25*y[100]+31*y[103]-26*y[104]+17/3*y[105]-22/3*y[106]+113/15*y[107]-44/3*y[108]+40/3*y[109]+42*y[110]+67/15*y[111]+14*y[112];
F211 := -6*y[44]+21/5*y[45]+14/15*y[46]+58/15*y[47]-16/5*y[50]+8/15*y[51]+64/15*y[52]-48/5*y[53]-44/15*y[55]+48/25*y[56]+6*y[57]+24/5*y[58]+3*y[59]-8/9*y[60]-64/9*y[61]+11/3*y[62]+10/9*y[63]+1/15*y[64]-2*y[65]+3*y[67]+2*y[69]-2*y[70]-4*y[72]+16/15*y[73]+14/3*y[74]-38/75*y[75]+4/3*y[76]+4/3*y[77]-2/3*y[78]-22/5*y[79]+2/3*y[80]+1/3*y[81]+8/5*y[86]+14/3*y[87]+36/5*y[88]-8/5*y[89]+18/5*y[97]-18*y[98]-18/5*y[99]+78/25*y[100]-182/3*y[103]+134/3*y[104]-6*y[105]+44/3*y[106]-58/15*y[107]+52/3*y[108]-40/3*y[109]-196/3*y[110]-152/15*y[111]+28/3*y[112];
F212 := -3/2*y[44]+1/2*y[45]+8/3*y[52]-16*y[53]-8*y[54]+2/3*y[59]+16/9*y[60]-16/9*y[61]+11/3*y[62]-26/9*y[63]-1/3*y[64]+y[65]-16/3*y[66]-11*y[67]+16/3*y[68]+26/3*y[69]-2*y[70]+y[86]+5/2*y[87]-3*y[88]-y[89]-62/3*y[103]+55/6*y[104]+91/6*y[106]+29/6*y[107]-83/3*y[108]-7/3*y[109]-94/3*y[110]-37/3*y[111];
F213 := -7*y[44]+3*y[45]+8/3*y[52]-24*y[53]-8*y[54]+5/3*y[59]+20/9*y[60]-20/9*y[61]+10/3*y[62]-40/9*y[63]+2/3*y[64]+10/3*y[65]-20/3*y[66]-10*y[67]+20/3*y[68]+40/3*y[69]-5*y[70]+3*y[86]+5*y[87]-4*y[88]-4/3*y[89]-80/3*y[103]+35/3*y[104]+5/3*y[105]+85/3*y[106]+29/3*y[107]-100/3*y[108]-160/3*y[110]-44/3*y[111];
F214 := -y[42]+111/4*y[44]-687/40*y[45]-41/15*y[46]-1183/60*y[47]-9/2*y[49]+213/10*y[50]-289/30*y[51]-103/5*y[52]+333/10*y[53]+37/5*y[54]+19/5*y[55]-87/25*y[56]-57/2*y[57]-149/5*y[58]-407/24*y[59]+20/3*y[60]+119/3*y[61]-21*y[62]-8*y[63]+3/5*y[64]+59/6*y[65]-3*y[66]-21*y[67]+2*y[68]+3*y[69]+27/8*y[70]+101/6*y[72]-111/20*y[73]-103/4*y[74]+159/25*y[75]-7*y[76]-38/3*y[77]-3/4*y[78]+152/5*y[79]+9/2*y[80]-3/4*y[81]+31/10*y[86]-13/2*y[87]-234/5*y[88]+106/15*y[89]+63/5*y[97]+247/2*y[98]+299/10*y[99]+243/25*y[100]+787/3*y[103]-2563/12*y[104]+413/12*y[105]-53/3*y[106]+1493/30*y[107]-445/3*y[108]+89*y[109]+872/3*y[110]+2699/60*y[111]+14*y[112];
F215 := -1/4*y[65]+2*y[77]-y[78]+y[79]+1/2*y[80]-1/4*y[81]+1/10*y[82]-1/20*y[83]-9/5*y[84]+7*y[85]+3/4*y[91]-3/4*y[93]-1/2*y[94]+12*y[102]+2*y[105]+5/4*y[106]+7/4*y[107]+y[108]-2*y[110]-1/4*y[111];
F216 := 1/4*y[59]-y[60]+67/16*y[63]-1/4*y[64]+25/32*y[65]-3*y[66]+201/16*y[69]

```

```

+3/4*y[70]+53/8*y[71]-53/8*y[72]+7/4*y[73]-3/5*y[75]+17/4*y[76]-23/2*y[77]-27/
4*y[80]+9/16*y[81]-3/16*y[82]+103/32*y[83]+337/40*y[84]-207/8*y[85]+25/4*y[90]
-187/32*y[91]-29/32*y[93]+161/16*y[94]+9*y[101]-171/4*y[102]-113/4*y[105]-405/
32*y[106]-173/32*y[107]-451/16*y[108]+419/16*y[109]+371/8*y[110]+461/32*y[111]
;
F217 := 3/4*y[59]-1/2*y[60]+43/48*y[63]-3/4*y[64]-5/32*y[65]-3/2*y[66]+43/16*y
[69]+9/4*y[70]+37/24*y[71]-37/24*y[72]+11/12*y[73]-4/5*y[75]+2/3*y[76]-7/6*y[
77]-43/12*y[80]+1/48*y[81]-71/240*y[82]+331/480*y[83]+257/120*y[84]-21/8*y[85]
+11/12*y[90]+37/96*y[91]-1/2*y[92]-421/96*y[93]+49/48*y[94]-53/4*y[102]-23/3*y
[105]-365/96*y[106]-341/96*y[107]-379/48*y[108]+211/48*y[109]+193/8*y[110]+677
/96*y[111];
F218 := 1/2*y[59]-2*y[60]+47/8*y[63]-1/2*y[64]+45/16*y[65]-6*y[66]+141/8*y[69]
+3/2*y[70]+33/4*y[71]-33/4*y[72]+3/2*y[73]+6*y[76]-3*y[77]-27/2*y[80]-3/8*y[81
]+1/8*y[82]+51/16*y[83]+69/20*y[84]-27/4*y[85]+21/2*y[90]-87/16*y[91]-129/16*y
[93]+101/8*y[94]-6*y[101]-111/2*y[102]-53/2*y[105]-505/16*y[106]+79/16*y[107]-\
271/8*y[108]+359/8*y[109]+351/4*y[110]+305/16*y[111];
F219 := 1/2*y[59]-1/4*y[60]-2*y[61]+y[62]+5/16*y[63]-1/2*y[64]-25/32*y[65]-9/
16*y[69]-3/8*y[71]+3/8*y[72]+3/2*y[77]-3/4*y[80]-3/16*y[81]-13/80*y[82]-3/32*y
[83]-21/40*y[84]+27/8*y[85]+75/32*y[91]-15/32*y[93]-45/16*y[94]+21/4*y[102]-13
/8*y[105]+125/32*y[106]+37/32*y[107]-133/16*y[108]-15/16*y[109]+13/8*y[110]+59
/32*y[111];
F220 := -5/2*y[60]+55/8*y[63]+y[64]+5/16*y[65]+45/8*y[69]+15/4*y[71]-15/4*y[72
]+15/4*y[76]-15*y[77]-15/2*y[80]+3/8*y[81]-31/40*y[82]+15/16*y[83]+21/4*y[84]-\
135/4*y[85]+3/2*y[90]-135/16*y[91]+3/2*y[92]+195/16*y[93]+45/8*y[94]-105/2*y[
102]-55/4*y[105]-265/16*y[106]+151/16*y[107]-175/8*y[108]+135/8*y[109]+235/4*y
[110]-31/16*y[111];
F221 := 5/3*y[59]-5/2*y[60]+35/12*y[63]-5/3*y[64]+25/24*y[65]-15/2*y[66]+35/4*
y[69]+5*y[70]+5/2*y[71]-5/2*y[72]+10/3*y[76]-10*y[77]-35/3*y[80]-5/12*y[81]+5/
12*y[82]+5/8*y[83]+7/2*y[84]-45/2*y[85]+5/8*y[91]-15/8*y[93]+5/12*y[94]-35*y[
102]-235/12*y[105]-125/24*y[106]+35/24*y[107]-155/12*y[108]+65/4*y[109]+155/6*
y[110]-35/24*y[111];
F222 := -1/6*y[59]+1/4*y[60]-17/48*y[63]+1/6*y[64]+5/96*y[65]+1/2*y[66]+y[67]-\
2*y[68]-9/16*y[69]-3/8*y[71]+3/8*y[72]-1/3*y[76]+3/2*y[77]+11/12*y[80]-1/48*y[
81]-7/240*y[82]-3/32*y[83]-21/40*y[84]+27/8*y[85]+19/32*y[91]-15/32*y[93]-23/
48*y[94]+21/4*y[102]+47/24*y[105]-25/96*y[106]+31/96*y[107]+17/48*y[108]-31/16
*y[109]+7/24*y[110]-31/96*y[111];
F223 := -2/3*y[59]+y[60]-13/24*y[63]+2/3*y[64]+25/48*y[65]+1/2*y[66]+27/8*y[69
]-2*y[70]+1/4*y[71]-1/4*y[72]-1/12*y[76]-y[77]+13/6*y[80]+7/24*y[81]+61/120*y[
82]+1/16*y[83]+7/20*y[84]-9/4*y[85]-1/2*y[90]-69/16*y[91]+3/2*y[92]+77/16*y[93
]+41/24*y[94]-7/2*y[102]+16/3*y[105]+115/48*y[106]+83/48*y[107]+229/24*y[108]-\
7/8*y[109]-49/12*y[110]-11/48*y[111];
F224 := 1/2*y[60]-5/4*y[63]-3/8*y[65]+3/2*y[66]-15/4*y[69]-3/2*y[71]+1/2*y[72]
+y[74]-1/5*y[75]-y[76]+2*y[77]+2*y[80]+1/4*y[81]-3/20*y[82]-17/40*y[83]+1/10*y
[84]+1/2*y[85]+3/8*y[91]+15/8*y[93]-7/4*y[94]+3*y[102]+21/4*y[105]-33/8*y[106]
-9/8*y[107]+21/4*y[108]-21/4*y[109]+3/2*y[110]-15/8*y[111];
F225 := 5/4*y[63]+5/8*y[65]+15/4*y[69]+5/2*y[71]-5/2*y[72]+y[73]-3/5*y[75]+5/4
*y[76]+y[79]-5/2*y[80]-3/20*y[82]+43/40*y[83]+19/10*y[84]-5/2*y[85]+5/2*y[90]+
5/8*y[91]-3/2*y[92]-5/8*y[93]+15/4*y[94]-15*y[102]-15/2*y[105]-65/8*y[106]-9/8
*y[107]-45/4*y[108]+35/4*y[109]+55/2*y[110]+57/8*y[111];
F226 := 3/2*y[59]-y[60]+53/24*y[63]-3/2*y[64]+5/16*y[65]-3*y[66]+53/8*y[69]+9/
2*y[70]+47/12*y[71]-47/12*y[72]+19/6*y[73]-2*y[75]+13/6*y[76]-17/3*y[77]-53/6*
y[80]+11/24*y[81]-53/24*y[82]+145/48*y[83]+155/12*y[84]-51/4*y[85]+43/6*y[90]+
107/48*y[91]-2*y[92]-731/48*y[93]+119/24*y[94]+6*y[101]-103/2*y[102]-116/3*y[
105]+365/48*y[106]-667/48*y[107]-1349/24*y[108]+341/24*y[109]+183/4*y[110]+
1339/48*y[111];
F227 := -1/5*y[86]-2/5*y[88]-4/5*y[89]-8/5*y[90]+y[91]-4/5*y[92]+3*y[93]+8/3*y
[95]+1/2*y[105]+3/5*y[107]-3*y[108]+6*y[110]+56/3*y[112];
F228 := -y[86]-4/3*y[87]+y[91]-4/3*y[94]-20/3*y[95]-y[105]-28/3*y[112];
F229 := -1/10*y[86]-2/3*y[87]-7/10*y[88]+1/10*y[89]+11/5*y[90]-5/2*y[91]+8/5*y
[92]+y[93]-2/3*y[94]-11/3*y[95]+9/5*y[107]-21*y[112];
F230 := 3/10*y[86]-y[87]+21/10*y[88]+17/10*y[89]+27/5*y[90]-3/2*y[91]+6/5*y[92
]-12*y[93]-9*y[95]-3/2*y[105]-27/5*y[107]+18*y[108]-3*y[109]-24*y[110]-77*y[
112];
F231 := 3/2*y[96]+y[97]-y[99]-y[100]+y[103]-1/2*y[104]+70*y[113];
F232 := 5/2*y[103]-y[104]+1/2*y[105]+5/2*y[106]+1/2*y[107]-4*y[108]+2*y[109]-1
/2*y[111]-7*y[112]-210*y[113];

```