{var, 1}

$$F(x,y)=14\,x+21\,x^2+\frac{28\,x^3}{3}+\frac{304\,y}{7}+112\,x\,y+63\,x^2\,y+\frac{492\,y^2}{7}+98\,x\,y^2+\frac{755\,y^3}{21}$$

F'_x(x,y)=(7 + 7 x + 7 y)(a2 x +b2 y+c2)

$$F'_y(x,y)=\left(\frac{76}{7}+9\,x+\frac{151\,y}{7}\right)\ (a4\ x\ +b4\ y+c4)$$

{var, 2}

$$F(x,y)=10\,x+19\,x^2+\frac{28\,x^3}{3}-12\,y+27\,x\,y+27\,x^2\,y-\frac{27\,y^2}{2}+18\,x\,y^2-5\,y^3$$

F'_x(x,y)=(2 + 2 x + 3 y)(a2 x +b2 y+c2)

F'_y(x,y)=(-3 + 9 x - 3 y) (a4 x +b4 y+c4)

{var, 3}

$$F(x,y)=20\,x+23\,x^2+8\,x^3+35\,y+91\,x\,y+56\,x^2\,y+\frac{187\,y^2}{2}+98\,x\,y^2+\frac{172\,y^3}{7}$$

F'_x(x,y)=(4 + 6 x + 7 y)(a2 x +b2 y+c2)

$$F'_y(x,y)=\left(5+8\,x+\frac{172\,y}{7}\right)\ (a4\ x\ +b4\ y+c4)$$

{var, 4}

$$F(x,y)=12\,x+18\,x^2+8\,x^3-\frac{42\,y}{5}+50\,x\,y+40\,x^2\,y+\frac{288\,y^2}{5}+50\,x\,y^2+\frac{56\,y^3}{5}$$

F'_x(x,y)=(2 + 2 x + 5 y)(a2 x +b2 y+c2)

$$F'_y(x,y)=\left(-\frac{6}{5}+8\,x+\frac{84\,y}{5}\right)\ (a4\ x\ +b4\ y+c4)$$

{var, 5}

$$F(x,y)=14\,x+21\,x^2+\frac{28\,x^3}{3}+\frac{188\,y}{7}+112\,x\,y+63\,x^2\,y+\frac{348\,y^2}{7}+98\,x\,y^2+\frac{640\,y^3}{21}$$

F'_x(x,y)=(7 + 7 x + 7 y)(a2 x +b2 y+c2)

$$F'_y(x,y)=\left(\frac{94}{7}+9\,x+\frac{160\,y}{7}\right)\ (a4\ x\ +b4\ y+c4)$$

{var, 6}

$$F(x,y)=6x+\frac{25x^2}{2}+8x^3-\frac{147y}{4}+28xy+28x^2y-\frac{21y^2}{4}+32xy^2+\frac{35y^3}{4}$$

F'_x(x,y)=(2 + 3 x + 4 y)(a2 x +b2 y+c2)

$$F'_y(x,y)=\left(-\frac{21}{4}+7x+\frac{15y}{4}\right)\ (a4\ x\ +b4\ y+c4)$$

{var, 7}

$$F(x,y)=21x+17x^2+\frac{8x^3}{3}+66y+68xy+16x^2y+\frac{111y^2}{2}+32xy^2+13y^3$$

F'_x(x,y)=(7 + 2 x + 4 y)(a2 x +b2 y+c2)

F'_y(x,y)=(11 + 4 x + 13 y) (a4 x +b4 y+c4)

{var, 8}

$$F(x,y)=14x+51x^2+\frac{28x^3}{3}+28y+64xy+36x^2y+25y^2+32xy^2+\frac{7y^3}{12}$$

F'_x(x,y)=(7 + 2 x + 4 y)(a2 x +b2 y+c2)

$$F'_y(x,y)=\left(7+9x+\frac{y}{4}\right)\ (a4\ x\ +b4\ y+c4)$$

{var, 9}

$$F(x,y)=30x+39x^2+12x^3+\frac{111y}{4}+64xy+36x^2y+\frac{53y^2}{2}+32xy^2+\frac{23y^3}{3}$$

F'_x(x,y)=(5 + 3 x + 4 y)(a2 x +b2 y+c2)

$$F'_y(x,y)=\left(\frac{37}{4}+9x+\frac{23y}{2}\right)\ (a4\ x\ +b4\ y+c4)$$

{var, 10}

$$F(x,y)=12x+15x^2+4x^3+\frac{49y}{3}+42xy+15x^2y+\frac{70y^2}{3}+18xy^2+\frac{64y^3}{9}$$

F'_x(x,y)=(6 + 3 x + 3 y)(a2 x +b2 y+c2)

$$F'_y(x,y)=\left(\frac{7}{3}+5x+\frac{16y}{3}\right)\ (a4\ x\ +b4\ y+c4)$$

{var, 11}

$$F(x,y)=24\,x+28\,x^2+\frac{16\,x^3}{3}+28\,y+96\,x\,y+36\,x^2\,y+66\,y^2+72\,x\,y^2+\frac{119\,y^3}{3}$$

F'_x(x,y)=(6 + 2 x + 6 y)(a2 x +b2 y+c2)

F'_y(x,y)=(14 + 6 x + 17 y) (a4 x +b4 y+c4)

{var, 12}

$$F(x,y)=28\,x+\frac{69\,x^2}{2}+12\,x^3+9\,y+60\,x\,y+36\,x^2\,y+36\,y^2+32\,x\,y^2+\frac{23\,y^3}{3}$$

F'_x(x,y)=(4 + 3 x + 4 y)(a2 x +b2 y+c2)

$$F'_y(x,y)=\left(\frac{3}{2}+9\,x+\frac{23\,y}{2}\right)\ (a4\ x\ +b4\ y+c4)$$

{var, 13}

$$F(x,y)=42\,x+\frac{105\,x^2}{2}+14\,x^3+\frac{94\,y}{3}+114\,x\,y+60\,x^2\,y+\frac{85\,y^2}{2}+72\,x\,y^2+19\,y^3$$

F'_x(x,y)=(6 + 3 x + 6 y)(a2 x +b2 y+c2)

$$F'_y(x,y)=\left(\frac{47}{3}+10\,x+19\,y\right)\ (a4\ x\ +b4\ y+c4)$$

{var, 14}

$$F(x,y)=30\,x+44\,x^2+14\,x^3+24\,y+64\,x\,y+40\,x^2\,y+28\,y^2+32\,x\,y^2+\frac{22\,y^3}{3}$$

F'_x(x,y)=(5 + 3 x + 4 y)(a2 x +b2 y+c2)

F'_y(x,y)=(6 + 10 x + 11 y) (a4 x +b4 y+c4)

{var, 15}

$$F(x,y)=21\,x+23\,x^2+8\,x^3+\frac{155\,y}{3}+102\,x\,y+48\,x^2\,y+\frac{415\,y^2}{6}+72\,x\,y^2+\frac{260\,y^3}{9}$$

F'_x(x,y)=(7 + 6 x + 6 y)(a2 x +b2 y+c2)

$$F'_y(x,y)=\left(\frac{31}{3}+8\,x+\frac{52\,y}{3}\right)\ (a4\ x\ +b4\ y+c4)$$

{var, 16}

$$F(x,y)=30\,x+52\,x^2+\frac{56\,x^3}{3}+\frac{28\,y}{3}+51\,x\,y+33\,x^2\,y+\frac{35\,y^2}{3}+18\,x\,y^2+\frac{28\,y^3}{9}$$

F'_x(x,y)=(6 + 4 x + 3 y)(a2 x +b2 y+c2)

$$F'\_y(x,y)=\left(\frac{7}{3}+11\,x+\frac{14\,y}{3}\right)\ (a4\ x\ +b4\ y+c4)$$

{var, 17}

$$F(x,y)=14\,x+25\,x^2+8\,x^3+\frac{136\,y}{3}+96\,x\,y+42\,x^2\,y+\frac{164\,y^2}{3}+72\,x\,y^2+\frac{130\,y^3}{9}$$

F'_x(x,y)=(7 + 4 x + 6 y)(a2 x +b2 y+c2)

$$F'\_y(x,y)=\left(\frac{34}{3}+7\,x+\frac{65\,y}{3}\right)\ (a4\ x\ +b4\ y+c4)$$

{var, 18}

$$F(x,y)=56\,x+54\,x^2+12\,x^3+\frac{296\,y}{5}+110\,x\,y+45\,x^2\,y+\frac{333\,y^2}{5}+50\,x\,y^2+\frac{259\,y^3}{15}$$

F'_x(x,y)=(7 + 3 x + 5 y)(a2 x +b2 y+c2)

$$F'\_y(x,y)=\left(\frac{74}{5}+9\,x+\frac{37\,y}{5}\right)\ (a4\ x\ +b4\ y+c4)$$

{var, 19}

$$F(x,y)=56\,x+43\,x^2+\frac{20\,x^3}{3}+\frac{273\,y}{4}+88\,x\,y+28\,x^2\,y+\frac{189\,y^2}{4}+32\,x\,y^2+\frac{35\,y^3}{4}$$

F'_x(x,y)=(7 + 2 x + 4 y)(a2 x +b2 y+c2)

$$F'\_y(x,y)=\left(\frac{39}{4}+7\,x+\frac{15\,y}{4}\right)\ (a4\ x\ +b4\ y+c4)$$

{var, 20}

$$F(x,y)=35\,x+42\,x^2+\frac{28\,x^3}{3}+\frac{91\,y}{2}+102\,x\,y+54\,x^2\,y+76\,y^2+72\,x\,y^2+24\,y^3$$

F'_x(x,y)=(5 + 2 x + 6 y)(a2 x +b2 y+c2)

$$F'\_y(x,y)=\left(\frac{13}{2}+9\,x+18\,y\right)\ (a4\ x\ +b4\ y+c4)$$

{var, 21}

$$F(x,y)=18\,x+39\,x^2+8\,x^3+\frac{153\,y}{5}+75\,x\,y+40\,x^2\,y+\frac{177\,y^2}{5}+50\,x\,y^2+\frac{56\,y^3}{5}$$

F'_x(x,y)=(6 + 2 x + 5 y)(a2 x +b2 y+c2)

$$F'\_y(x,y)=\left(\frac{51}{5}+8\,x+\frac{84\,y}{5}\right)\ (a4\ x\ +b4\ y+c4)$$

{var, 22}

$$F(x,y)=12\,x+34\,x^2+\frac{40\,x^3}{3}+16\,y+42\,x\,y+27\,x^2\,y+14\,y^2+18\,x\,y^2+4\,y^3$$

$$F'\_x(x,y)=(6+4\,x+3\,y\ )(a2\ x\ +b2\ y+c2)$$

$$F'\_y(x,y)=(8+9\,x+6\,y)\ (a4\ x\ +b4\ y+c4)$$

{var, 23}

$$F(x,y)=30\,x+36\,x^2+14\,x^3-24\,y+48\,x\,y+30\,x^2\,y+12\,y^2+18\,x\,y^2+\frac{32\,y^3}{9}$$

$$F'\_x(x,y)=(5+7\,x+3\,y\ )(a2\ x\ +b2\ y+c2)$$

$$F'\_y(x,y)=\left(-4+10\,x+\frac{16\,y}{3}\right)\ (a4\ x\ +b4\ y+c4)$$

{var, 24}

$$F(x,y)=12\,x+25\,x^2+\frac{28\,x^3}{3}-\frac{7\,y}{2}+60\,x\,y+54\,x^2\,y+73\,y^2+72\,x\,y^2+14\,y^3$$

$$F'\_x(x,y)=(2+7\,x+6\,y\ )(a2\ x\ +b2\ y+c2)$$

$$F'\_y(x,y)=\left(-\frac{1}{2}+9\,x+21\,y\right)\ (a4\ x\ +b4\ y+c4)$$

{var, 25}

$$F(x,y)=30\,x+38\,x^2+16\,x^3+\frac{318\,y}{7}+119\,x\,y+77\,x^2\,y+\frac{1137\,y^2}{14}+98\,x\,y^2+\frac{163\,y^3}{7}$$

$$F'\_x(x,y)=(6+8\,x+7\,y\ )(a2\ x\ +b2\ y+c2)$$

$$F'\_y(x,y)=\left(\frac{53}{7}+11\,x+\frac{163\,y}{7}\right)\ (a4\ x\ +b4\ y+c4)$$

{var, 26}

$$F(x,y)=14\,x+34\,x^2+16\,x^3+\frac{132\,y}{7}+77\,x\,y+77\,x^2\,y+\frac{729\,y^2}{14}+98\,x\,y^2+\frac{235\,y^3}{7}$$

$$F'\_x(x,y)=(2+8\,x+7\,y\ )(a2\ x\ +b2\ y+c2)$$

$$F'\_y(x,y)=\left(\frac{33}{7}+11\,x+\frac{141\,y}{7}\right)\ (a4\ x\ +b4\ y+c4)$$

{var, 27}

$$F(x,y)=10\,x+15\,x^2+\frac{20\,x^3}{3}+\frac{35\,y}{6}+54\,x\,y+42\,x^2\,y+\frac{197\,y^2}{3}+72\,x\,y^2+\frac{545\,y^3}{18}$$

F'_x(x,y)=(2 + 2 x + 6 y)(a2 x +b2 y+c2)

$$F'_y(x,y)=\left(\frac{5}{6}+7\,x+\frac{109\,y}{6}\right)\ (a4\ x\ +b4\ y+c4)$$

{var, 28}

$$F(x,y)=28\,x+29\,x^2+8\,x^3+\frac{342\,y}{7}+105\,x\,y+56\,x^2\,y+\frac{597\,y^2}{7}+98\,x\,y^2+\frac{120\,y^3}{7}$$

F'_x(x,y)=(4 + 6 x + 7 y)(a2 x +b2 y+c2)

$$F'_y(x,y)=\left(\frac{57}{7}+8\,x+\frac{180\,y}{7}\right)\ (a4\ x\ +b4\ y+c4)$$

{var, 29}

$$F(x,y)=15\,x+\frac{67\,x^2}{2}+\frac{70\,x^3}{3}-45\,y+33\,x\,y+36\,x^2\,y+y^2+18\,x\,y^2+\frac{8\,y^3}{3}$$

F'_x(x,y)=(3 + 5 x + 3 y)(a2 x +b2 y+c2)

F'_y(x,y)=(-9 + 12 x + 4 y) (a4 x +b4 y+c4)

{var, 30}

$$F(x,y)=14\,x+24\,x^2+6\,x^3+\frac{136\,y}{5}+80\,x\,y+30\,x^2\,y+\frac{184\,y^2}{5}+50\,x\,y^2+\frac{82\,y^3}{5}$$

F'_x(x,y)=(7 + 3 x + 5 y)(a2 x +b2 y+c2)

$$F'_y(x,y)=\left(\frac{68}{5}+6\,x+\frac{82\,y}{5}\right)\ (a4\ x\ +b4\ y+c4)$$

{var, 31}

$$F(x,y)=12\,x+45\,x^2+14\,x^3+28\,y+98\,x\,y+70\,x^2\,y+83\,y^2+98\,x\,y^2+\frac{730\,y^3}{21}$$

F'_x(x,y)=(6 + 3 x + 7 y)(a2 x +b2 y+c2)

$$F'_y(x,y)=\left(4+10\,x+\frac{146\,y}{7}\right)\ (a4\ x\ +b4\ y+c4)$$