0

sum(i,99999999999,100000000000,i\*\*100)

0

sum(i,1000000000,9999999999,i)

0

sum(i,1000000000,200000000,i)

0

sum(i,-10000000,10000000,i)

0

sum(i,-100000,100000,i)

0

sum(i,-10000,10000,i)

0

sum(i,999999999999999990,999999999999999999,i\*\*2)

0

sum(i,-1,1,(x\*(-1\*i)))

0

sin(((-x)\*sin((-x))))

0

sin((-x))\*sin((-x))

0

cos((0\*1))\*cos(sin(0)\*\*0)\*cos((sin(0)\*\*2+cos(0)\*\*3)\*\*2)\*\*2

0

-sin(0)\*\*0

0

sum(i,0,2,((cos(i)\*i\*\*2)+sin(i\*\*2)\*\*2)\*\*2)

0

sum(i,0,2,(2\*i\*\*2))

0

sum(i,0,2,sin(i\*\*2))

0

sum(i,0,2,((cos(i)\*i\*\*2\*x\*\*3)+sin(i\*\*2)\*\*2)\*\*2)

0

sin((-x))

0

sin(x\*\*2)\*\*2-2\*cos(x\*\*2)\*\*2

0

sin((0\*x\*(x+1)))+sin(0)

2

h(x)=x\*\*3+x\*\*2

f(x,y)=x+2\*y

h(f(x,(x\*\*2+x)))’

0

sum(i,2,0,i)

0

cos((sin(cos(0))+sin(0))) + sin(90)+ cos(90)

1

g(x, y) = sin(x)\*cos(y)

g(sin(x), cos(x))

1

f(x, y, z) = x + y + z

f(sin(x), cos(x), x)

Ans：x+sin(x)+cos(x)

2

f(x,y,z)=sin(x\*\*2)+cos(y\*\*2)\*\*3+cos(z\*\*3)\*\*2

g(y)=sin(y\*\*2)\*\*3

f((x+1), sum(i,1, 10, (i\*x)), g(x))

1

f(x) = sin(x\*\*2)

f((x \* (x + x \* (x + x))))

0

sin(x\*\*2)\*\*2-2\*cos(x\*\*2)\*\*2

怎么能让三角函数在该有括号时候有括号，不该有括号时候不出现括号呢

2

f(x,y,z)=sin(x\*\*2)+cos(y\*\*2)\*\*3+cos(z\*\*3)\*\*2

g(z)=(-1 + z \*\* 233)\* sin(z\*\*2) \*\* 06 - cos((sin(z)\*\*3+x\*\*2+1)\*\*4) \* 3 \* sin((z))

f((x+1), sum(i, 1, 10, (i\*x)), g(f(g(f(x,cos((x+x\*\*3+cos(x)\*\*2))\*\*4,sin((3+x)\*\*2)\*\*3)),f(x,sum(i,1,10,i\*\*7),g(sum(i,-10,1000,(i\*x+i\*\*3\*x)\*\*2))),sum(i, -10, 100,((i \* (i\*x\*\*2 + x \* (x + x))))\*\*3))))

0

sin(cos(x\*\*2)\*\*2)

0

sum(i,1,2,sin((-i)))

0

sin((-x))

0

sin((3\*x\*\*2))

0

sin((sin(0)+2\*cos(0)+x\*sin(2)\*\*2+3\*x\*cos(2)\*\*2+x\*\*2\*sin(2)\*\*2+x\*sin(2)\*\*2+x\*0\*sin(1)+223\*cos(0)-332\*sin(0)))

优化sin\*\*2+cos\*\*2=1可能出现的问题0

0

3\*x\*sin(2)\*\*2+7\*x\*cos(2)\*\*2+2\*x\*sin(2)\*\*2

1

f(x,y,z)=x\*\*2+sin(y)\*\*2+cos(z)\*\*3

f(sin(x),f(x\*\*2,cos(sin(x)\*\*2),((x\*\*2+9\*x+0000)\*\*3+1)\*\*2),sum(i,0,10,((cos(i)\*i\*\*2\*x\*\*3)+sin(i\*\*2)\*\*2)\*\*2)\*f(cos(x\*\*2)\*\*3,x\*\*9,x\*\*2)

3

f(x,y,z) = sin(x\*\*2) + cos(x\*y) -+-sin(x\*y\*z)-z

g(z) = sin(cos(sin(cos((z\*\*2-4\*z)\*\*2)))))

h(z,y) = z\*y\*sin((y\*(z\*z)))

f(x\*\*3,x\*\*5,x)-g(sin(x),cos(x)\*\*2,sin(x\*\*2)\*\*2) +h(sin(x)\*\*2,cos(x\*\*2)\*\*3)+cos(x\*\*2)\*\*2-sin(x\*\*2)\*\*6-cos(x)

Ans: sin(x\*\*6)+sin(x\*\*9)+cos(x\*\*8)+x\*cos(x\*\*2)\*\*3\*sin(x)\*\*2+2\*cos(x\*\*2)\*\*2-1-sin(x)\*\*2-sin(x\*\*2)\*\*6-cos(x)-cos(x)\*\*6-x

3

h(x, z, y)=2\*cos(z\*\*+1)\*-1+1\*((+111\*cos(2)+0\*2)\*\*+33\*(((111\*sin(2)\*\*0+0\*1)\*\*+33\*2+1\*111)\*(-0\*33+1\*+2)+-33\*111)\*\*33+111\*33)\*\*+0\*0+2\*1\*+1

f(y, z, x)=(2\*(sin(x)\*\*0\*33+33\*-2)\*\*33+(cos(x)\*+0+33\*sin(1))\*1)\*sin(33)\*\*111\*+33+2\*cos(-2)\*\*111\*111+2\*cos(x)\*\*1\*+2

g(z, y, z)=(+33\*1+1\*2)\*\*1\*111\*0+2\*(cos(y\*\*+33)\*-2+cos(1)\*-0)\*\*111\*1+-111\*-0\*-111

cos(33)\*f(2,-111,x)++2\*111

1089\*sin(33)\*\*111\*sin(1)+

73197088760086838499561294555795180011479886640363409645662078\*sin(33)\*\*111+

4\*cos(x)+222\*cos(-2)\*\*111-

0

73197088768608101145353522393209837987167745985959663748775936\*sin(33)\*\*111

Test2

0

sum(i,-2,10,(i\*x))

0

sum(i,-2,10,(i\*\*2))

1

f(x)=x+1

f(1)+f(2)

1

f(x)=x+1

f(1)

1

f(x,y,z)=x\*\*2+sin(y)\*\*2+cos(z)\*\*3

f(sin(x),x\*\*2,x\*\*3)\*f(cos(x\*\*2)\*\*3,x\*\*9,x\*\*2)

Ans: cos(x\*\*2)\*\*3\*sin(x\*\*2)\*\*2+cos(x\*\*2)\*\*6\*sin(x\*\*2)\*\*2+cos(x\*\*2)\*\*3\*sin(x)\*\*2+cos(x\*\*2)\*\*6\*sin(x)\*\*2+cos(x\*\*2)\*\*3\*cos(x\*\*3)\*\*3+sin(x\*\*9)\*\*2\*sin(x)\*\*2+cos(x\*\*3)\*\*3\*sin(x\*\*9)\*\*2+sin(x\*\*9)\*\*2\*sin(x\*\*2)\*\*2+cos(x\*\*3)\*\*3\*cos(x\*\*2)\*\*6

1

f(x,y,z)=x\*y+y\*z+x\*z

f(x,x\*\*2,sin(x))

1

f(z,x,y) = z\*\*2+x\*\*3+y

f(x\*\*2,sin(x),cos(x\*\*2))

1

h(z)=z\*x

h(x\*\*2)

3

f(x,y,z) = sin(x\*\*2) + cos(x\*y) -+-sin(x\*y\*z)-z

g(z,x,y) = x\*\*3+y+ z\*\*2

h(z,y) = z\*x\*y

f(x\*\*3,x\*\*5,x)-g(sin(x),cos(x)\*\*2,sin(x\*\*2)\*\*2) +h(sin(x)\*\*2,cos(x\*\*2)\*\*3)

Ans: sin(x\*\*6)+sin(x\*\*9)+cos(x\*\*8)+x\*cos(x\*\*2)\*\*3\*sin(x)\*\*2+40\*x\*\*2-sin(x)\*\*2-sin(x\*\*2)\*\*2-cos(x)\*\*6-x

3

f(x,y,z) = sin(x\*\*2) + cos(x\*y) -+-sin(x\*y\*z)-z

g(z,x,y) = x\*\*3+y+ z\*\*2

h(z,y) = z\*x\*y

f(x\*\*3,x\*\*5,x)-g(sin(x),cos(x)\*\*2,sin(x\*\*2)\*\*2) +h(sin(x)\*\*2,cos(x\*\*2)\*\*3)+cos(x\*\*2)\*\*2-sin(x\*\*2)\*\*6-cos(x)

Ans: sin(x\*\*6)+sin(x\*\*9)+cos(x\*\*8)+x\*cos(x\*\*2)\*\*3\*sin(x)\*\*2+2\*cos(x\*\*2)\*\*2-1-sin(x)\*\*2-sin(x\*\*2)\*\*6-cos(x)-cos(x)\*\*6-x

0

sum(i,-1,3,(i\*x\*\*2\*sin(i\*\*2)\*\*3+i\*cos(x\*\*2)))-2\*x\*\*2\*cos(4)\*\*3

Ans: 3\*x\*\*2\*sin(9)\*\*3+2\*x\*\*2\*sin(4)\*\*3+5\*cos(x\*\*2)-2\*x\*\*2\*cos(4)\*\*3

1

f(y)=2\*x\*\*3\*sin(y)\*\*2+x\*\*3\*cos(y)\*\*2

f(x\*\*2)+f(x\*\*5)

Ans: 4\*x\*\*3-x\*\*3\*cos(x\*\*2)\*\*2-x\*\*3\*cos(x\*\*5)\*\*2

0

sum(i,0,0,0)\*\*0

1

f(x)=sin(x\*\*2)

f(x\*\*3)

2

f(x,y)=sin(x)\*cos(y)

g(x)=x\*\*2+2\*x+1

f(x,x)+-g(x)

3

f(y,x)=sin(x)\*cos(y)

g(x)=x\*\*2+2\*x+1

h(x)=cos(x\*\*2)\*\*3+3\*x\*\*3

f(x\*\*2,x)\*g(x)+7\*h(x)

Ans:

0

sum(i,-2,5,(i\*x+i\*\*3))

0

sum(i,2,10,7\*x\*\*3)

1

f(x,y,z) = sin(x\*\*2) + cos(x\*y) -+-sin(x\*y\*z)-z

f(1,2,x)

0

sum(i,-2,5,sin(i\*\*2)\*\*2+cos(i\*\*2)\*\*2)

1

f(x)= (sin(x\*\*4)\*\*3-cos(x\*\*2)\*\*2)\*\*2

f(x\*\*2)

Ans: sin(x\*\*8)\*\*6+cos(x\*\*4)\*\*4-2\*cos(x\*\*4)\*\*2\*sin(x\*\*8)\*\*3

0

sin(0)+cos(0)

0

3\*sin(x\*\*2)\*\*2+2\*cos(x\*\*2)\*\*2

3

h(x, z, y)=2\*cos(z\*\*+1)\*-1+1\*((+111\*cos(2)+0\*2)\*\*+33\*(((111\*sin(2)\*\*0+0\*1)\*\*+33\*2+1\*111)\*(-0\*33+1\*+2)+-33\*111)\*\*33+111\*33)\*\*+0\*0+2\*1\*+1

f(y, z, x)=(2\*(sin(x)\*\*0\*33+33\*-2)\*\*33+(cos(x)\*+0+33\*sin(1))\*1)\*sin(33)\*\*111\*+33+2\*cos(-2)\*\*111\*111+2\*cos(x)\*\*1\*+2

g(z, y, z)=(+33\*1+1\*2)\*\*1\*111\*0+2\*(cos(y\*\*+33)\*-2+cos(1)\*-0)\*\*111\*1+-111\*-0\*-111

cos(33)\*f(2,-111,x)++2\*111

1089\*sin(33)\*\*111\*sin(1)+

73197088760086838499561294555795180011479886640363409645662078\*sin(33)\*\*111+

4\*cos(x)+222\*cos(-2)\*\*111-

0

73197088768608101145353522393209837987167745985959663748775936\*sin(33)\*\*111

test sin(x\*\*x)

0

sin(x\*\*2)

1

g(x, z, y)=cos(33)\*\*111\*-111\*+111+-0\*0\*(-0\*2+sin(z\*\*111)\*111)\*\*1+33\*(sin(y)\*+0+111\*0)\*111

g(cos(2)\*\*0,-111,x\*\*4)\*+1

3

h(y, x, z)=1\*(cos(1)\*(sin(y\*\*0)\*\*111\*1++0\*0)\*\*0+(0\*1+cos(x\*\*1)\*2)\*\*111\*+0)\*\*+0\*(-2\*+1+33\*0)\*\*33+cos(111)\*+33\*2+(2\*33+(1\*(0\*(1\*-111+-2\*(111\*-33+(33\*33+2\*1)\*\*1\*(2\*+1+(2\*2+-0\*sin(33))\*33)\*\*1))\*\*111++2\*2)\*\*1+cos(1)\*\*33\*(33\*+1+(cos(33)\*\*+0\*-0+-0\*cos(-111)\*\*0)\*\*1\*-0))\*1)\*(111\*0+33\*111)\*+33

f(y, z, x)=-1\*33\*(+1\*111++0\*cos(z))\*\*2+(111\*111+111\*+2)\*0\*sin(x)\*\*2+cos(z\*\*1)\*\*1\*-33\*111

g(z, x, y)=sin(x)\*(33\*0+1\*0)\*\*2\*+2+1\*33\*0+0\*(33\*0++1\*1)\*\*0\*cos(y\*\*2)

sum(i,-2,+1,33\*(i\*\*0\*i\*\*5++111\*-2)\*i\*\*+4)\*x

g(cos(+2),x\*\*+0,x\*\*5)\*sum(i,-0,+2,i\*\*0)+

0

--3\*(sin(x\*\*2)\*\*4+sin(x)\*cos(x\*\*3)\*\*2 +x\*\*2)\*\*+5 \* (x) \*-1 - (x +x)\*x \*\*02 \*+49\* (x +x) \*\* 1\*-7946258008\*x \*\* 2\*699\*999

0

(- 8+05\*-03\* sin(x) \*\*+4 ) -(+35\* sin(x) \*\*2-1 )

0

(- 8+05\*-03\* x \*\*+4 ) \*-1\*sin(x) \*\* 2 -(+35\* x \*\*5-1 )

0

(x+cos(x)+sin(x))\*\*2

0

73197088760086838499561294555795180011479886640363409645662078\*111

0

9999999999999999999999999\*9999999999999999999999

0

(cos(x)\*\*+02+-x\*-01+sin(x)\*-01)\*\*+02

0

sin(x)\*\*2+2\*cos(x)\*\*2

0

(sin(x)\*\*2+cos(x)+x\*\*2)\*\*2

0

x\*\*10

0

x\*\*0

0

(sin(-00)+cos(+00))\*\*2

0

cos(0)\*\*2

0

sin(90)\*\*2

0

cos(90)\*\*2

0

(sin(-90))\*\*3

0

-sin(-1)

0

sin(-90)

算式的开头能否是空格

(3 \* 4 + 5 \* 6) \*\* 10

(3\*x+4\*x\*\*2)\*\*2

-(-x+1)

++-(-3\*x+4\*x\*\*2)\*\*2 + -+1 - ( 000000) + x

(x+-2\*x+1)\*\*0

(x)\*+0

x\*\*+2

5++-13

++-(5+x\*\*+1)\*\*+3

+ x \* +02

++(- x+3)\*\*2\*(-x\*\*+3+-2\*+1\*x\*\*+2)\*(- x \*\* 3 + - 2) \*\* +2- +(x + 1)\*(x + 2)\*\*+3 + -(-x + 1)\* (02)\*\*3\*x\*\*4

Test

+-(-3\*x+4\*x\*\*2)\*\*2 + -+1 - ( 000000) + x+-(5+000)\*\*+3 + x \* +02

Ans: -514+3\*x-10\*x\*\*2+24\*x\*\*3-16\*x\*\*4

++(- x+3)\*\*2\*(-x\*\*+3+-2\*+1\*x\*\*+2)\*(- x \*\* 3 + - 2) \*\* +2- +(x + 1)\*(x + 2)\*\*+3 + -(-x + 1)\* (02)\*\*3\*x\*\*4

++(- x+3)\*\*2\*(-x\*\*+2+-2\*+1\*x\*\*+2)\*(- x \*\* 2 + - 2) \*\* +2- +(x + 1)\*(x + 2)\*\*+3 + -(-x + 1)\* (02)\*\*3\*x\*\*4

+16\*(-12\*7\*2++x\*\*+1-+3++x\*\*+2\*x\*x\*\*+2)\*\*+2\*(+13\*x\*\*+0\*1\*x\*\*+2++x\*\*+1\*7\*7\*16-10\*15)\*(-15\*x\*\*+2\*x\*\*+1\*14+-9\*x\*1\*14++x\*x\*15\*x\*\*+2)\*\*+6+x\*\*+1\*(+7)\*x\*\*+2\*x-+5\*x\*\*+0-+x\*\*+2\*(-15\*1+-9\*5-+x\*x\*x\*0-+x\*x\*\*+2\*4\*x)\*\*+5\*3\*x

(+13\*x\*\*+5\*1\*x\*\*+3++x\*\*+1\*7\*7\*16-10\*15)\*(-15\*x\*\*+4\*x\*\*+6\*14+-9\*x\*6\*14++x\*x\*15\*x\*\*+4)

(-x\*\*2)\*\*0

+16\*(-12\*7\*2++x\*\*+1-+3++x\*\*+5\*x\*x\*\*+2)\*\*+6\*(+13\*x\*\*+5\*1\*x\*\*+3++x\*\*+1\*7\*7\*16--10\*15)\*(-15\*x\*\*+4\*x\*\*+6\*14+-9\*x\*6\*14++x\*x\*15\*x\*\*+4)\*\*+6-+x\*\*+1\*(+7)\*x\*\*+2\*x-+5\*x\*\*+5-+x\*\*+2\*(-15\*1+-9\*5-+x\*x\*x\*0-+x\*x\*\*+3\*4\*x)\*\*+5\*3\*x

(-1+11)\*\*6

(x\*\*0+1)\*\*0+0004\*(x-x\*3\*x\*x-x\*x)\*\*0-x\*\*+1-(-3)\*\*0+003

+3++x\*\*+5\*x\*x\*\*+2)\*\*+6\*(+13\*x\*\*+5\*1\*x\*\*+3++x\*\*+1\*7\*7\*16-10\*15)\*(-15\*x\*\*+4\*x\*\*+6\*14+-9\*x\*6\*14++x\*x\*15\*x\*\*+4)\*\*+6+x\*\*+1\*(+7)\*x\*\*+2\*x-+5\*x\*\*+5-+x\*\*+2\*(-15\*1+-9\*5-+x\*x\*x\*0-+x\*x\*\*+3\*4\*x)\*\*+5\*3\*x

x\*\*+1\*(+7)\*x\*\*+2\*x-+5\*x\*\*+5-+x\*\*+2\*(-15\*1+-9\*5-+x\*x\*x\*0-+x\*x\*\*+3\*4\*x)\*\*3\*x

(-x)\*(x)

-x\*\*+5\*(-x\*\*+2)\*x\*\*+5\*+5\*x\*\*4-(1)\*x\*\*0\*+576947993\*x\*\*4\*x

-(-7\*x\*\*3+3\*x\*\*3-92233720368547758010)

x\*\*7\*-1986254161+(+x\*\*8\*x\*\*+7\*x\*\*+6\*+4\*-2)\*+1\*-3\*-3\*-9

+-(-3\*x+4\*x\*\*2)\*\*2+ (x+2\*x+1)\*\*0 +(30)\*\*10 + x \* +02

+626\*(+-4155\*+193050-x\*x\*x\*\*3+38684\*+4)