

```

Welcome to the equation builder!

Starting equation: a + a

Enter in a number: 420
Enter in a number: 69

Equation built: 420 + 69

Starting equation: ((b - b)^2 + (b - b)^2)^1/2

    Enter in a variable: x2
    Enter in a variable: x1
    Sub-equation: x2 - x1
    Enter in a variable: y2
    Enter in a variable: y1
    Sub-equation: y2 - y1
    Sub-equation: (x2 - x1)^2 + (y2 - y1)^2

Equation built: ((x2 - x1)^2 + (y2 - y1)^2)^1/2

Starting equation: a + b

Enter in a number: 420
Enter in a variable: xyz

Equation built: 420 + xyz

Starting equation: ab + (b - b / a(a + a))

Enter in a number: 20
Enter in a variable: x
    Enter in a variable: x2
    Enter in a variable: x1
    Enter in a number: 32
        Enter in a number: 45
        Enter in a number: 69
    Sub-equation: 45 + 69
    Sub-equation: x2 - x1 / 32(45 + 69)

Equation built: 20x + (x2 - x1 / 32(45 + 69))

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Starting equation: (a ^ a) + (a - a + b)
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```
    Enter in a number: 3
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```
    Enter in a number: 2
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```
Sub-equation: 3 ^ 2
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```
    Enter in a number: 45
```

```
    Enter in a number: 128
```

```
    Enter in a variable: x
```

```
Sub-equation: 45 - 128 + x
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```
Equation built: (3 ^ 2) + (45 - 128 + x)
```

```
Starting equation: ab
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```
Enter in a number: 420
```

```
Enter in a variable: xyz
```

```
Equation built: 420xyz
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```
...Program finished with exit code 0
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```
Press ENTER to exit console.
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