Addition:

Subtraction:

Multiplication

Division

Exponents

Logarithm

Exponents and why we care:

We don’t care about multiplication, because its commutative.

Does the input size affect the base or the exponent? This is important because:

If input size = n

|  |  |  |  |
| --- | --- | --- | --- |
| C | N |  |  |
| 2 | 100 |  |  |
| 2 | 100000 |  |  |

It is always better to have than