Polynomial

- O(logn) – logarithmic
- O(n) – linear
- O(nlogn) – linearithmic
- O(n^2) – quadratic
- O(n^3) – cubic

$$\frac{n^{\overset{x}{\underset{\smile}{}}}}{} \quad \underset{static}{}$$

★ base
is
dynamic

Exponential

- O(2^n) – exponential
- O(n!) – factorial
- O(n^n) – exponential

$$x^{\,\hat{n}}$$

can also
be dynamic

exponent ★
is dynamic