Question 4 – Time Complexity Ordering– Alexander Sun

- Functions on the same line have the same major growth order

Fastest

$$\frac{1}{n}$$

$$\log_2(n)$$

$$12\sqrt{n}, 50n^{0.5}$$

$$n^{0.51}$$

$$2^{32}n$$

$$n\,\log_2(n)$$

$$n^2 - 324, 100n^2 + 6n$$

$$2n^3$$

$$n^{\log_2 n}$$

$$3^n$$

Slowest