As input size doubles			
Function \ input size	n = 10	2n =20	ratio = 2
Linear			
n	10	20	2
2n	20	40	2
3n	30	60	2
Polynomial (other than linear)			
n ²	100	400	4 (=2 ²)
n ³	1000	8000	8 (=2 ³)
n ⁴	10000	160000	16 (=2 ⁴)
Exponential			
2 ⁿ	2 ¹⁰	2 ²⁰	2 ¹⁰
3 ⁿ	3 ¹⁰	3 ²⁰	3 ¹⁰
4 ⁿ	4 ¹⁰	4 ²⁰	4 ¹⁰