

Table 2.10 Comparison of growth rates.

n	10	20	30	40
1	1	1	1	1
$\log n$	3.3	4.3	4.9	5.3
n	10	20	30	40
$n \log n$	33	86	147	213
n^2	100	400	900	1 600
n^3	1 000	8 000	27 000	64 000
2^n	1 024	1.0 million	1.1 billion	1.1 trillion

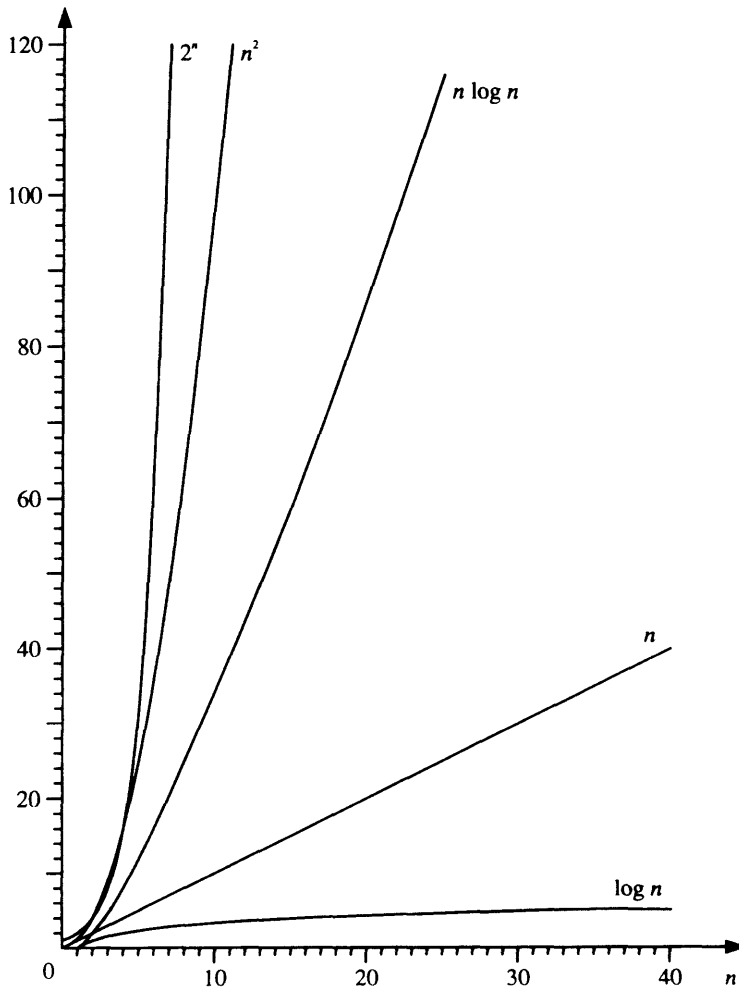


Figure 2.11 Comparison of various growth rates.