

COMPLEXITY \ SIZE	20	50	100	200	500	1000
1000n	.02 sec	.05 sec	.1 sec	.2 sec	.5 sec	1 sec
1000n lg n	.09 sec	.3 sec	.6 sec	1.5 sec	4.5 sec	10 sec
100n ²	.04 sec	.25 sec	1 sec	4 sec	25 sec	2 min
10n ³	.02 sec	1 sec	10 sec	1 min	21 min	2.7 hr
n lg n	.4 sec	1.1 hr	220 DAYS	125 CENT	5x10 ⁸ CENT	
2 ^{n/3}	.0001 sec	.1 sec	2.7 hr	3x10 ⁴ CENT		
2 ⁿ	1 sec	35 YR	3x10 ⁴ CENT			
3 ⁿ	58 min	2x10 ⁹ CENT				

FIG. 1.1. Running time estimates. One step takes one microsecond, lg n denotes $\log_2 n$.