

Application (input letter)	Extract min	Insert queue	Computation	Number of candidates
	— skip list —			
	— skip tree —			
15 puzzle (A)	4.8 ± 0.34	$44. \pm 2.4$	$51. \pm 1.5$	$5.9 \cdot 10^4 \pm 1.7 \cdot 10^3$
	4.3 ± 0.27	$76. \pm 6.2$	$52. \pm 3.6$	$5.7 \cdot 10^4 \pm 4.3 \cdot 10^3$
15 puzzle (B)	1.1 ± 0.23	$89. \pm 4.8$	9.7 ± 0.36	$2.8 \cdot 10^7 \pm 2.2 \cdot 10^3$
	0.49 ± 0.075	$38. \pm 8.3$	7.2 ± 0.18	$2.8 \cdot 10^7 \pm 1.8 \cdot 10^3$
Graph color (C)	2.7 ± 0.65	8.5 ± 1.6	$89. \pm 11.$	$1.2 \cdot 10^5 \pm 2.2 \cdot 10^4$
	5.8 ± 3.3	$75. \pm 21.$	$83. \pm 9.4$	$1.1 \cdot 10^5 \pm 2.4 \cdot 10^4$
Graph color (D)	0.95 ± 0.10	$62. \pm 2.4$	$37. \pm 0.37$	$3.2 \cdot 10^7 \pm 6.4 \cdot 10^2$
	0.54 ± 0.15	$28. \pm 2.4$	$42. \pm 0.085$	$3.2 \cdot 10^7 \pm 5.6 \cdot 10^2$
Asymmetric TSP	$0.0087 \pm 8.4 \cdot 10^{-5}$	0.11 ± 0.002	$99. \pm 0.11$	$1.0 \cdot 10^6 \pm 0$
	$0.0081 \pm 2.9 \cdot 10^{-4}$	0.16 ± 0.004	$99. \pm 0.06$	$1.0 \cdot 10^6 \pm 0$
0-1 Knapsack	$17. \pm 2.4$	$65. \pm 9.5$	$17. \pm 3.7$	$2.3 \cdot 10^7 \pm 0$
	$26. \pm 3.7$	$49. \pm 4.6$	$20. \pm 1.9$	$2.3 \cdot 10^7 \pm 0$