

```
1 C:\Users\14535\Documents\GitHub\DataStructure\  
  Label_Ultimate\BTREE\cmake-build-debug\BTREE.exe  
2 N=10000 Insert time : :6.8221ms  
3 N=20000 Insert time : :12.849ms  
4 N=30000 Insert time : :18.9272ms  
5 N=40000 Insert time : :25.1155ms  
6 N=50000 Insert time : :31.386ms  
7 N=60000 Insert time : :37.6185ms  
8 N=70000 Insert time : :43.966ms  
9 N=80000 Insert time : :50.3816ms  
10 N=90000 Insert time : :56.7918ms  
11 N=100000 Insert time : :63.2472ms  
12 N=110000 Insert time : :69.6905ms  
13 N=120000 Insert time : :76.1215ms  
14 N=130000 Insert time : :82.6348ms  
15 N=140000 Insert time : :90.6308ms  
16 N=150000 Insert time : :103.459ms  
17 N=160000 Insert time : :114.345ms  
18 N=170000 Insert time : :124.037ms  
19 N=180000 Insert time : :131.495ms  
20 N=190000 Insert time : :138.967ms  
21 N=200000 Insert time : :146.222ms  
22 N=210000 Insert time : :153.489ms  
23 N=220000 Insert time : :160.701ms  
24 N=230000 Insert time : :167.699ms  
25 N=240000 Insert time : :174.643ms  
26 N=250000 Insert time : :181.622ms  
27 N=260000 Insert time : :188.622ms  
28 N=270000 Insert time : :195.704ms  
29 N=280000 Insert time : :202.801ms  
30 N=290000 Insert time : :209.874ms  
31 N=300000 Insert time : :217.037ms  
32 N=310000 Insert time : :224.248ms  
33 N=320000 Insert time : :231.378ms  
34 N=330000 Insert time : :238.542ms  
35 N=340000 Insert time : :245.665ms  
36 N=350000 Insert time : :252.729ms  
37 N=360000 Insert time : :259.733ms  
38 N=370000 Insert time : :267.829ms  
39 N=380000 Insert time : :276.49ms  
40 N=390000 Insert time : :285.183ms  
41 N=400000 Insert time : :293.832ms  
42 N=410000 Insert time : :302.253ms  
43 N=420000 Insert time : :310.604ms
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44 N=430000 Insert time : :318.887ms
45 N=440000 Insert time : :326.555ms
46 N=450000 Insert time : :333.148ms
47 N=460000 Insert time : :339.63ms
48 N=470000 Insert time : :346.252ms
49 N=480000 Insert time : :352.756ms
50 N=490000 Insert time : :359.283ms
51 N=500000 Insert time : :365.929ms
52 Search time: 0.0119ms
53 N=10000 Delete time : 17.2635ms
54 N=20000 Delete time : 32.4128ms
55 N=30000 Delete time : 47.4527ms
56 N=40000 Delete time : 62.4954ms
57 N=50000 Delete time : 77.5887ms
58 N=60000 Delete time : 92.68ms
59 N=70000 Delete time : 107.25ms
60 N=80000 Delete time : 122.585ms
61 N=90000 Delete time : 138.133ms
62 N=100000 Delete time : 153.621ms
63 N=110000 Delete time : 169.112ms
64 N=120000 Delete time : 184.555ms
65 N=130000 Delete time : 201.541ms
66 N=140000 Delete time : 216.564ms
67 N=150000 Delete time : 232.446ms
68 N=160000 Delete time : 248.436ms
69 N=170000 Delete time : 264.524ms
70 N=180000 Delete time : 281.708ms
71 N=190000 Delete time : 297.913ms
72 N=200000 Delete time : 313.271ms
73 N=210000 Delete time : 329.387ms
74 N=220000 Delete time : 345.377ms
75 N=230000 Delete time : 364.153ms
76 N=240000 Delete time : 380.007ms
77 N=250000 Delete time : 395.021ms
78 N=260000 Delete time : 410.104ms
79 N=270000 Delete time : 423.529ms
80 N=280000 Delete time : 430.237ms
81 N=290000 Delete time : 435.84ms
82 N=300000 Delete time : 441.43ms
83 N=310000 Delete time : 454.889ms
84 N=320000 Delete time : 471.787ms
85 N=330000 Delete time : 488.569ms
86 N=340000 Delete time : 505.074ms
87 N=350000 Delete time : 520.091ms
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88 N=360000 Delete time : 520.713ms
89 N=370000 Delete time : 521.332ms
90 N=380000 Delete time : 521.95ms
91 N=390000 Delete time : 522.568ms
92 N=400000 Delete time : 523.187ms
93 N=410000 Delete time : 523.806ms
94 N=420000 Delete time : 524.424ms
95 N=430000 Delete time : 525.043ms
96 N=440000 Delete time : 525.662ms
97 N=450000 Delete time : 526.28ms
98 N=460000 Delete time : 526.905ms
99 N=470000 Delete time : 527.528ms
100 N=480000 Delete time : 528.152ms
101 N=490000 Delete time : 528.775ms
102 N=500000 Delete time : 529.398ms
103
104 □□□□□,□□□□□
105

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