```
 1 C:\Users\14535\Documents\GitHub\DataStructure\
   Label_Ultimate\AVL_1\cmake-build-debug\AVL_1.exe
 2 N=10000 insert time 5.176ms
 3 N=20000 insert time 10.8492ms
 4 N=30000 insert time 16.665ms
 5 N=40000 insert time 22.6241ms
 6 N=50000 insert time 28.6823ms
 7 N=60000 insert time 34.777ms
 8 N=70000 insert time 40.9441ms
 9 N=80000 insert time 47.3103ms
10 N=90000 insert time 53.6128ms
11 N=100000 insert time 59.9039ms
12 N=110000 insert time 66.1153ms
13 N=120000 insert time 72.3745ms
14 N=130000 insert time 78.576ms
15 N=140000 insert time 84.9857ms
16 N=150000 insert time 91.4217ms
17 N=160000 insert time 97.8811ms
18 N=170000 insert time 105.546ms
19 N=180000 insert time 113.117ms
20 N=190000 insert time 119.504ms
21 N=200000 insert time 125.979ms
22 N=210000 insert time 132.455ms
23 N=220000 insert time 138.974ms
24 N=230000 insert time 145.41ms
25 N=240000 insert time 151.921ms
26 N=250000 insert time 158.366ms
27 N=260000 insert time 164.805ms
28 N=270000 insert time 171.373ms
29 N=280000 insert time 177.888ms
30 N=290000 insert time 184.61ms
31 N=300000 insert time 191.257ms
32 N=310000 insert time 197.831ms
33 N=320000 insert time 204.424ms
34 N=330000 insert time 211.12ms
35 N=340000 insert time 217.744ms
36 N=350000 insert time 224.33ms
37 N=360000 insert time 231.129ms
38 N=370000 insert time 237.77ms
39 N=380000 insert time 244.436ms
40 N=390000 insert time 251.03ms
41 N=400000 insert time 257.593ms
42 N=410000 insert time 267.118ms
43 N=420000 insert time 276.486ms
```

```
44  N=430000 insert time 285.716ms
45  N=440000 insert time 295.322ms
46  N=450000 insert time 304.594ms
47  N=460000 insert time 313.966ms
48  N=470000 insert time 324.055ms
49  N=480000 insert time 331.745ms
50  N=490000 insert time 338.697ms
51  N=500000 insert time 345.591ms
52  Search time: 0.0125 ms
53  N=10000 delete time 0.0842ms
54  N=20000 delete time 0.1684ms
55  N=30000 delete time 0.2526ms
56  N=40000 delete time 0.3367ms
57  N=50000 delete time 0.4209ms
58  N=60000 delete time 0.5051ms
59  N=70000 delete time 0.5893ms
60  N=80000 delete time 0.6735ms
61  N=90000 delete time 0.7577ms
62  N=100000 delete time 0.8419ms
63  N=110000 delete time 0.9261ms
64  N=120000 delete time 1.0103ms
65  N=130000 delete time 1.0944ms
66  N=140000 delete time 1.1786ms
67  N=150000 delete time 1.2628ms
68  N=160000 delete time 1.347ms
69  N=170000 delete time 1.4312ms
70  N=180000 delete time 1.5154ms
71  N=190000 delete time 1.5996ms
72  N=200000 delete time 1.6838ms
73  N=210000 delete time 1.7679ms
74  N=220000 delete time 1.8521ms
75  N=230000 delete time 1.9363ms
76  N=240000 delete time 2.0205ms
77  N=250000 delete time 2.1047ms
78  N=260000 delete time 2.1919ms
79  N=270000 delete time 2.2849ms
80  N=280000 delete time 2.3642ms
81  N=290000 delete time 2.4436ms
82  N=300000 delete time 2.5229ms
83  N=310000 delete time 2.6023ms
84  N=320000 delete time 2.6816ms
85  N=330000 delete time 2.761ms
86  N=340000 delete time 2.8403ms
87  N=350000 delete time 2.9196ms
```

```
 88 N=360000 delete time 2.999ms
 89 N=370000 delete time 3.0783ms
 90 N=380000 delete time 3.1577ms
 91 N=390000 delete time 3.237ms
 92 N=400000 delete time 3.3164ms
 93 N=410000 delete time 3.3957ms
 94 N=420000 delete time 3.475ms
 95 N=430000 delete time 3.5544ms
 96 N=440000 delete time 3.6337ms
 97 N=450000 delete time 3.7202ms
 98 N=460000 delete time 3.8025ms
 99 N=470000 delete time 3.8848ms
100 N=480000 delete time 3.9671ms
101 N=490000 delete time 4.0494ms
102 N=500000 delete time 4.1318ms
103
104 □□□□□,□□□□□0
105
```