```
97 | FenwickTree (BIT) (min \ max) query on 1D-Array:
98
99
    //point update and [0 - r] range query
100 | struct FenwickTreeMin {
101
        vector<int> bit;
102
         int n;
103
         FenwickTreeMin(int n) {
104
105
             this\rightarrown = n;
106
             bit.assign(n, inf);
107
108
109
         FenwickTreeMin(vector<int> a) : FenwickTreeMin(a.size()) {
             for (size_t i = 0; i < a.size(); i++)</pre>
110
                 update(i, a[i]);
111
112
         }
113
         int get(int r) {
114
             int ret = inf;
115
116
             for (; r \ge 0; r = (r & (r + 1)) - 1)
117
                 ret = min(ret, bit[r]);
             return ret;
118
         }
119
120
121
         void update(int idx, int val) {
             for (; idx < n; idx = idx | (idx + 1))</pre>
122
123
                 bit[idx] = min(bit[idx], val);
124
         }
125 \ \ \ ;
```