rpln.cpp Page 1

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#include <bits/stdc++.h>
\#define L(i) (i<<1)+1
#define R(i) (i+1) <<1
#define INF 1e9</pre>
using namespace std;
vector<vector<int>> T;
vector<int> A;
void create() {
         for(int i=0;i<A.size();i++) {</pre>
                   T[0][i]=i;
         int s;
         for(int i=1; (1<<i)<=A.size();i++){
                   s=1 << (i-1);
                   for(int j=0; (j+(s<<1)) <=A.size(); j++) {
    if(A[T[i-1][j]] <A[T[i-1][j+s]])</pre>
                                      T[i][j]=T[i-1][j];
                             else
                                      T[i][j]=T[i-1][j+s];
                   }
         }
int rmq(int a, int b) {
    int s = (b-a)+1;
         int k = log2(s);
         return min(A[T[k][a]],A[T[k][(b-(1<<k))+1]]);
}
int main(){
         int t, n, q, v, x, y;
         cin >> t;
         for(int i=1;i<=t;i++){
                   cin >> n >> q;
                   while (n--) {
                             cin >> v;
                             A.push_back(v);
                   T.assign(log2(A.size())+1, vector<int>(A.size(),-1));
                   create();
                   cout << "Scenario #"<<i<":"<<endl;</pre>
                   while (q--) {
                             cin >> x >> y;
                             cout << rmq(x-1,y-1) << endl;
                   A.clear();
         return 0;
```