

112

```
C++14
                  00:00:00
                                 12 px ∨
12
             return x;
13
14
         else
15
16
             return parent[x] = rep(parent[x]);
17
18
19
     void add(int a, int b)
20
21
         if(rep(a)==rep(b)){
22
             return;
23
24
         a=rep(a);
25
         b=rep(b);
26
         if (component_size[a] >= component_size[b])
27
28
             parent[b] = a;
29
             component_size[a] += component_size[b];
30
31
         else
32
33
             parent[a] = b;
34
             component_size[b] += component_size[a];
35
36
37
     int main()
38
     {
39
         ios base::sync with stdio(0);
  Sample Tests
                 Manual Tests
 Test Case 1
                                                               Run on Sample
    Console
```