

```
1. //Disjoint set union by Nafee
2.
3. #define SIZE 9999999
4. struct DSU
5. {
6.     long long parentAr[SIZE], total[SIZE];
7.     DSU()
8.     {
9.         long long a, b, c;
10.        for (a = 0; a < SIZE; a++)
11.        {
12.            parentAr[a] = a;
13.            total[a] = 1;
14.        }
15.    }
16.    long long getParent(long long u)
17.    {
18.        if ( u != parentAr[u] )
19.        {
20.            parentAr[u] = getParent( parentAr[u] );
21.        }
22.        return parentAr[u];
23.    }
24.    long long getTotal(long long u)
25.    {
26.        return total[ getParent(u) ];
27.    }
28.    void makePair(long long u, long long v)
29.    {
30.        if ( getParent(u)==getParent(v) )
31.        {
32.            return;
33.        }
34.        total[ getParent(v) ] += total[ getParent(u) ];
35.        parentAr[ getParent(u) ] = getParent(v);
36.    }
37. };
```