```
Pseudo có digo
(N) tini
  for ( i = 0 ; i < N ; i 4 + )
   rep[i]=i
  rank [i] = 0
 find (x) (log N)
  If (rep[x]==x)
  return X
  return rep[x] = find (rep[x])
union (x,y) (y(log D)
  x = find(x), y = find(y)
  if (x != y )
   If (rank(x) >= rank [y]) x y
rep (y) = x
     If (rank[x] = = rank[y]}

rank[x] ++;
      e/se
      rep[x]=y 4 X
```