thandown e-Bagan IBM 18 CSORE ADS - Laby class Islandy int parent [100]: int count i int find parent ( int as, int parent [ ]) if (parent (x) ==x returns; return parent [2] - find (parent [2]) Void make union ( int u, int y int 2 root - finaparens (a) : int y root = find pareno (4); ( toony | toons) pl parent [ noot ] = ynoot; wurt -: public void setwent (int n) count = n; getting the state of a public int wun() { remain court; Int no of whards ( vector evectore into materia) ! int count 200 int ra = matrin size (); int to = mater (0) size(): 1( + fi ; m >i ; 0 =i tal) rot for (int jed; jen; j++) { is ( nat [i](i)) } ( corners

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( venouse ( BOD
                                     1BM 18 CSON
Islands
contamina up - new union find (min)
 ut bet ( pount ( count ) ;
 tor ( int 1 = 0; 14 m; 14+ ) }
    100 ( M ) =0; 04 n; 1+1) {
      4 (max 1.)[,))
      · 4 (1>0 86 mary 1-1) [1)) 1
           Upmake union (n+)+1, n*(1-1)+3);
     4 ( i < m-1 by matin(iti) [i])
         uf. orace union (n+1-1), n+(i+1)+i)
   4 (1 >0 by matrinsi) (1-1))
          uy - mateunion (n+ i+i, n+ (i+1) + i);
    1 ([1+i][ ] worken yo (-a) is
          uf make union (n+i+1, n+i+1+1);
  if ( is 0 by i >0 by matrix (i-1][i-1]) {
         uf concert [ n * i + 1, n*(i-1)+5'-1);
  A [i< m-1 gy i < march [i+1] (i+1] (i+1])/
       up. maleurion ( N # i + i , n + (i+1) + i + 1);
  4 [1'>0 44 5' 4 n-1 38 marin [1-17(#17)]
        up mateurion (n+1+1, n*(i-1)+ s+1)
 4 (ix m-1,4 y 3 >0 by mar [i+1][5-1)) [
        up. Decaset (n #i+i, n + (i+1) + j-1)
            makeuneon
return uf. wunt () 4
```