Count Islands using abortion sols Volshna paral V CAMIPCIO 17 (count Jahnda (int aus 7717) 7.10.20 n = bength (a) m = byth (a to) Krow and column (a) (idi=0; jen; jtr) (or (int k=0; k<m; k++) (a [j][V] =>0) 1/ check 8 neighbours with union (jH<n H a GH) [h) = 21) set + unin () * (m) +k, (j+1)* (m) +k) (j-1 >=0 A a [j-][h] ==1) Set summ (j n (m) +k, (j n) mm)+1) il (k+1 km ld ati) [bH) ~1)

set > union(j a(m)+k, (j) a(m) +k-1) i (k-1 >=0 44 a [i] [ky] ==1) set & union (; x(m) + k, (;) + (m) + k+/) il (3+1 < n & kM < n lb a [3+1] [xn]==1) Set 7 min (; *(m) +h, (+1) a(m) +l+1) 1 (SHIEN RA KOT >20 LA a GUDCED SA Set & oran (2 on the CIM) = wth-1)

1 (5-1x:0 th hoten &4 a 6) 1) [m] ::1) set > won (jum th, GHIA mthy) [(j-170 fl 6170 A a B. Ma):1) set sown (jum fl, (j1) & m th). (Countly and C [non] numol Island = 0 10) (w) =0; 5=n; j+) if In (m) ko; ken; kul) (a [][2 v]) int n: set > (d (jam th)) [(C[2] 2:0) { nomd Alds ++; ([n]++; else (GD H); nond Island ;