Dong Boyuan 1547489 WR# 14 CC: 4: (b, h) 0 V 4: (d,g) 0 V 5: (a, c) 3 V [c] 7:1かり)田レ 8: (a, h) (5) V Sel 9: (b, c) X 141 10: (c,d) x 11:(g,h)x 12: (a,b) x 12: (die) 6~ \rightarrow $\{a,c,b,h,d,g,e\} \rightarrow \{a,c,b,h,d,g,e,+\}$ 14: (c,e)x 18: (1,4)01 19: (d,+) x Tree-Based Union-Final After initilization. (a) (b) (a) (b) (a) (b) (b) (b) 6 -> vank = 0 (h) -> rank = 0 @, @, @, H, · @. W. 9) D- rank=0 9 -> rank = D. 3 (0,1) @-srank= 0) @-srank=0) @ (b,g) @ srank= 1 < B - srank= 2 (a,h) A= (b,h), d,g, w,c, b,g, (a,h)

(b,c) = find(((b)= find((c) =) (D)

(c,d) find((c(c) = find((c(d) => B)

(g,h) find (c(q) = find(c(h) => 1)

(a,b) find((a) = And(clb) =1> (b)

6(de) B-rank=2 > @srank = 0

A= (b,h), (d,g), (a,c), (b,g), (a,h), (d,e)

(c,e) find(((c) = find((le) = B)

1 (t,h) D -> rank = 0 < D -> rank = 2 (4=1 (b,h), (d,g), (a,c), (b,g), (a,h), (de),

⇒. A=(0, 0, 0, 0, 0, 0, 0)

14.4)}

(d,+) $4mdc((d) = fmdc((+)) \Rightarrow \boxed{b}$

