Init: edges: (1,9,3), (0,2,5) (3, 4, 8), (1,3,4) porents: 0 1 2 3 4 5 ranhs: [0 0 0 0 0] rootof 1 = 1, rootof 4 = 9 Iten 1: edge (1, 4, 3) parents [0 1 2 ranhs [0 1 0 0 0] 030 mootof 2 = 2 nootef 0=0, Iter 2: edge (0,2,5) 0 3 1] parents: [0 nanhs:[1 030 root of 0 = 0, root of 3 = 3 edge (0,3,6) 1 0 0 1] 1 0 0 0 0 ] parents: 0 ranks:[1 ()3G Hur 4: edge (2,3,6) mootof 2=0, mootof 3=0
roots we equal => edge would cause a cycle.

Itor 5: colge (1,2,7) rootof (21 rootof 2=0)

parents: [1 1 0 0 1]

ranhs: [1 2 0 0 0] 030705060 The algorithm stops because edges in our result. we have V-1

Manual exte - Krushal 0 5 3 Init: edges [(2,3,4), (0,5,5), (0,4,6), (0,1,10), (1,2,15)]
porents: [0 1 2 3] ranks [0 0 0 0] Iter 1: edge = (2,3,4) rootof 2 = 2, rootof 3 = 3

rootof 2! = rootof 3 => no cycles

parents: [0 1 2 2] ranhs: [0 0 1 0] Her 2: edge = (0,3,5) rootof 0=0, rootof 3=2 rootof 0!= rootof 3=> no cycla povents:[2 1 2 2] ranks:[0 0 1 0] 2 2 5 0 Iter 3: edge 2 (0,2,6) trootof 2=2, rootof 0=2 rootof 0 == rootof 2 => this edge would cause cycles Hor 4: edge 2 (0,1,10) rootof 0=2, rootof 1=1
rootof 0!= rootof!
parents: [2 2 2 2] ranks: [0 0 10] () 10 0 5 0 ° 0 The algorithm stops because we arrived at len (result) equal to the wr. of vertices - 1,