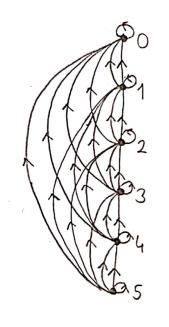
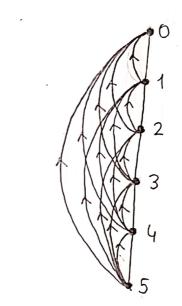
$R = \{(0,0), (1,1), (2,2), (3,3), (4,4), (5,5), (1,0), (2,0), (2,0), (4,4), (5,5), (4,6), (5,6), (5,6), (5$ (3,0), (4,0), (5,0), (2,1), (3,1), (4,1), (5,1), (3,2), (4,2),(5,2),(4,3),(5,3),(5,4)}

Step 1: Diagram



5tep 2: Remove self loops. (Reflexive)



Step 3: Remove transitive relation. Step 4: Remove arrows.





- 2 a) Maximal elements: {2,3,43, {1,3,4}
 - b) Minimal elements: {1}, {2}, {4}
 - c) Greatest element: There is 'no' greatest element.
 - d) Upper bounds of {{2}, {4}} : {2,4}, {2,3,4}
 - e) The least upper bound of {{2}, {4}}: {2,4}
 - F) All lower bounds of { {1,3,4}, {2,3,4}}: {4}, {3,4}
 - h) The greatest lower bound of { {1,3,4}, {2,3,4}}: {3,4}

