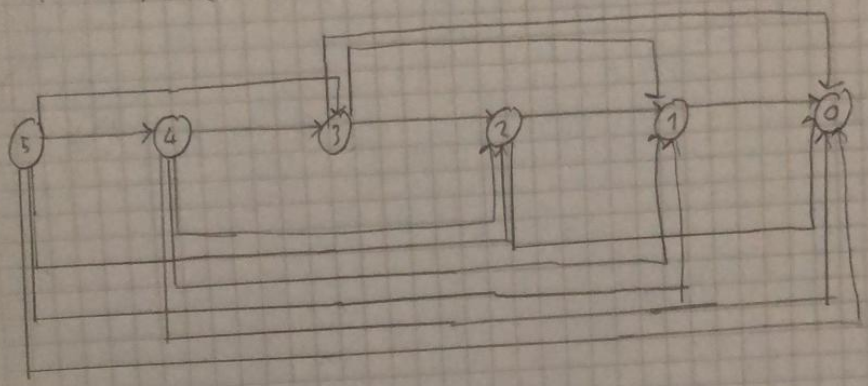
Hüseyin Ömer Güruz
19010476 96

1-)

Hasse Diagram $\{\{0,1,2,3,4,5\}, >\}$

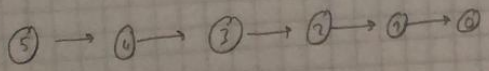
$(1<0), (2<0), (2<1), (3<0), (3<1), (3<2), (4<0)$

$(4<1), (4<2), (4<3), (5<0), (5<1), (5<2), (5<3), (5<4)$



Delete transitivity

$(5<4), (4<3), (3<2), (2<1), (1,0)$

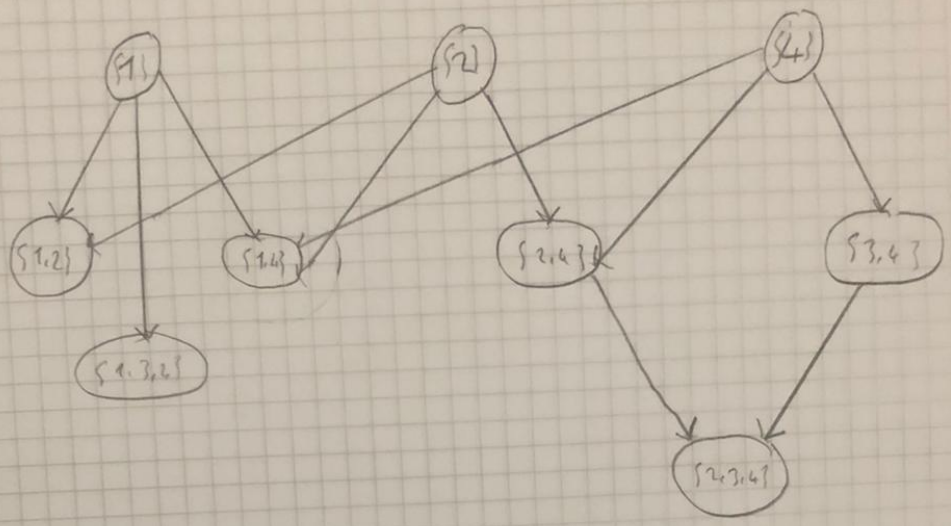


Maximal Element = 0

Minimal Element = 5

2.

{ {1}, {2}, {4}, {1,2}, {1,4}, {2,4}, {3,4}, {1,3,4}, {2,3,4}, C }



Answers

a) {1,2}, {1,3,4}, {2,3,4}

b) {1}, {2}, {4}

c) {2,4}

F {1,3,4} = ({1}, {1,4}, {3,4})

{2,3,4} = ({2}, {2,4}, {3,4}, {4})

C-1 M_0

d-1 {2} = {1,2}, {2,4}, {2,3,4}

{4} = ({1,4}, {1,3,4}, {2,4}, {3,4})