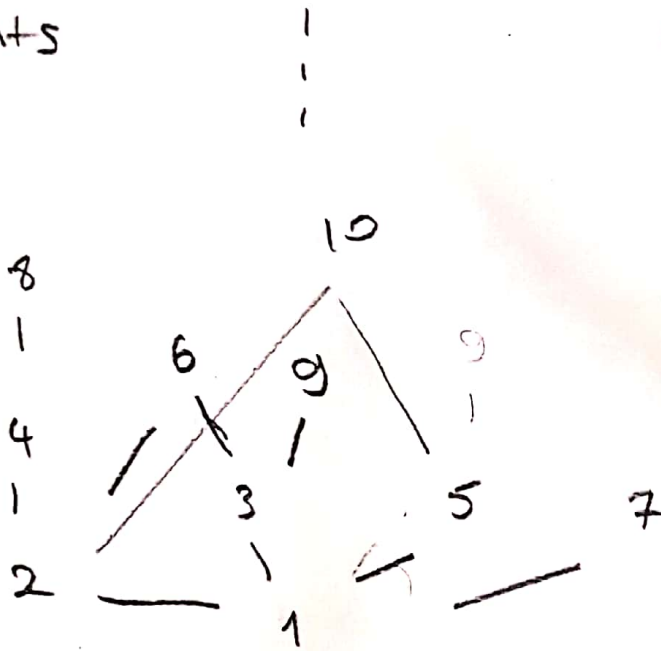




d) Def. of Lattice : In a poset, if for every pair of elements have a least upper bound and greatest lower bound then it is lattice

Hasse Diagram :

For the first 10 elements



It is lattice. Because for every pair greatest lower bound is greatest common divisor. And the least upper bound is

$\langle \text{EKOK} \rangle$

(I don't know what it is in English)

For  $(3, 5) \rightarrow \text{glb} = 1$   
 $\rightarrow \text{lub} = 15$

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