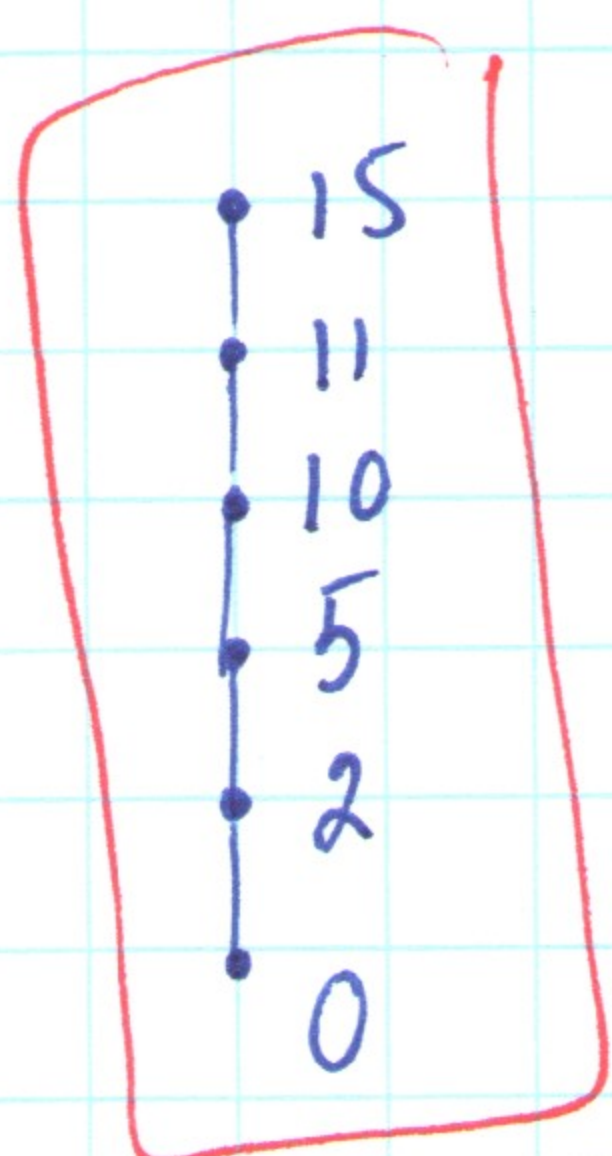


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$\{0, 2, 5, 10, 11, 15\} \leq$

$0 \leq 2 \leq 5 \leq 10 \leq 11 \leq 15$



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$(\{3, 5, 9, 15, 24, 45\}, |)$

$3 | 9, 15, 24, 45, 3$

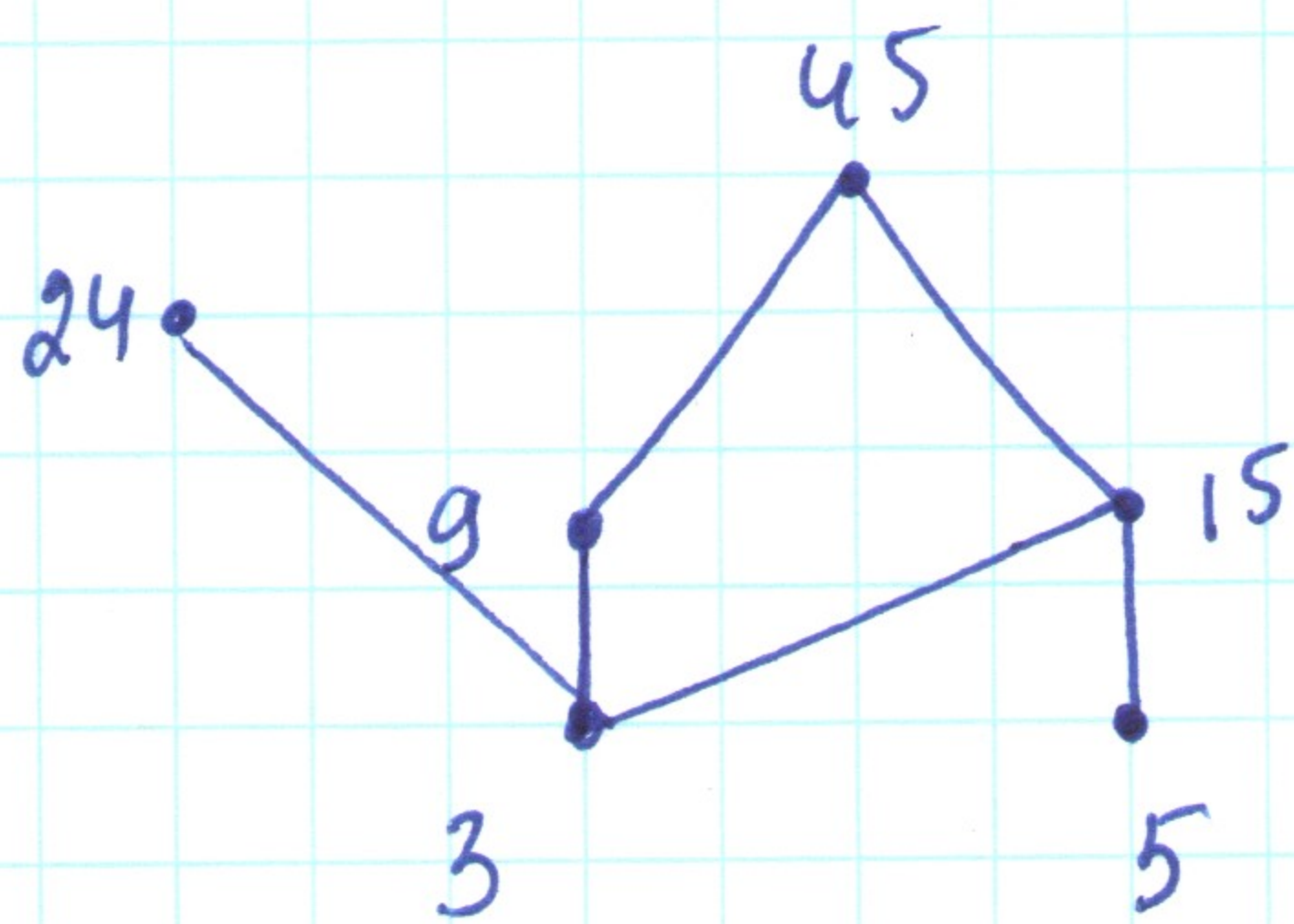
$9 | 45, 9$

$24 | 24$

$5 | 15, 45, 5$

$15 | 45, 15$

$45 | 45$



Hasse diagram

a) maximal elements : 24, 45

b) minimal elements : 3, 5

c) greatest element : no

d) least element : no

e) upper bounds of  $\{3, 5\}$  : 15, 45

g) lower bounds of  $\{15, 45\}$  : 3, 15, 5

f), h) we did not do.