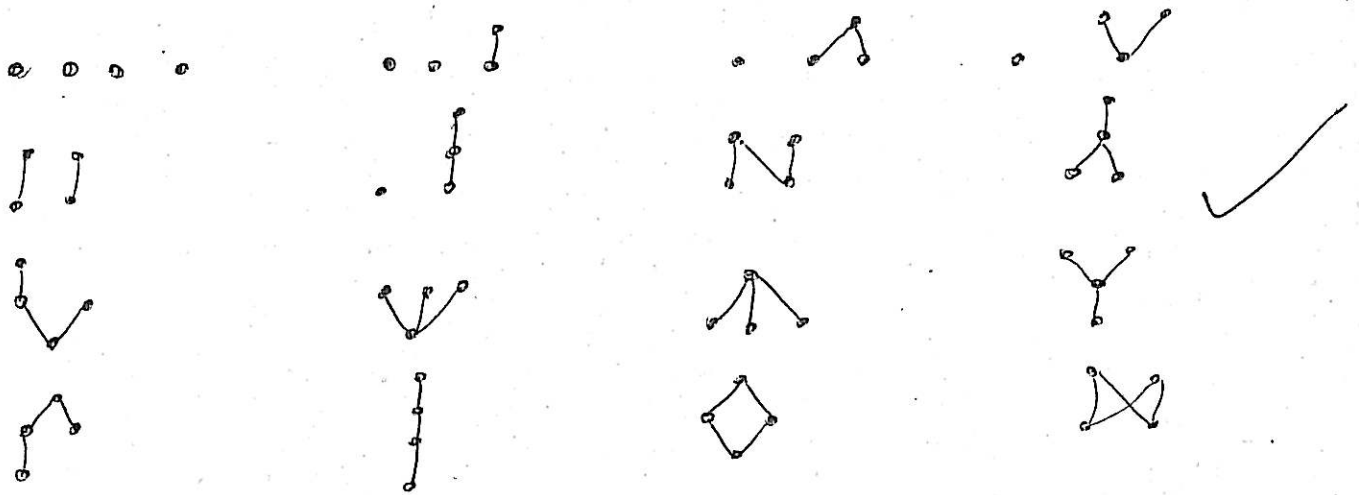
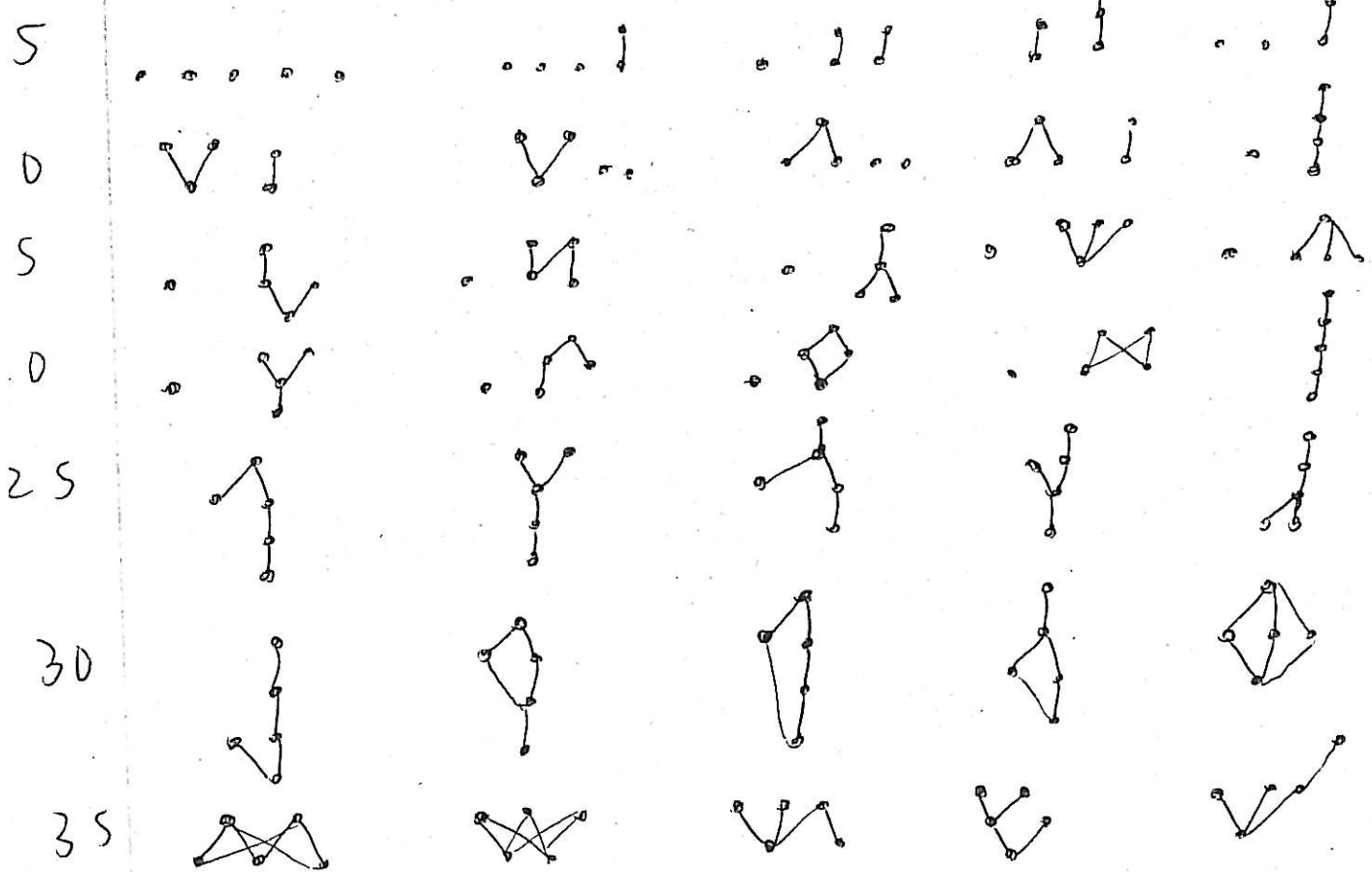


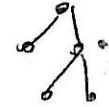
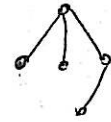
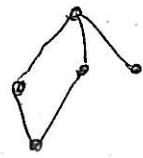
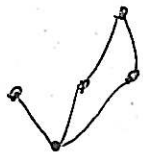
3). Here are the 16 Hasse diagrams of the non isomorphic four-element posets:



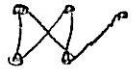
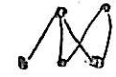
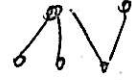
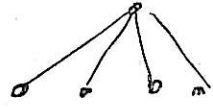
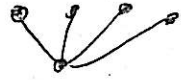
Here are the 63 Five element posets:



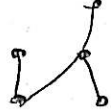
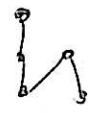
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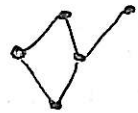
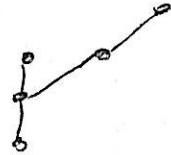
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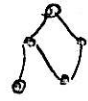
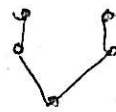
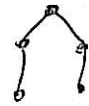
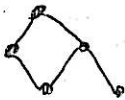
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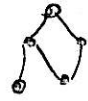
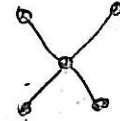
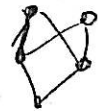
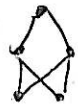
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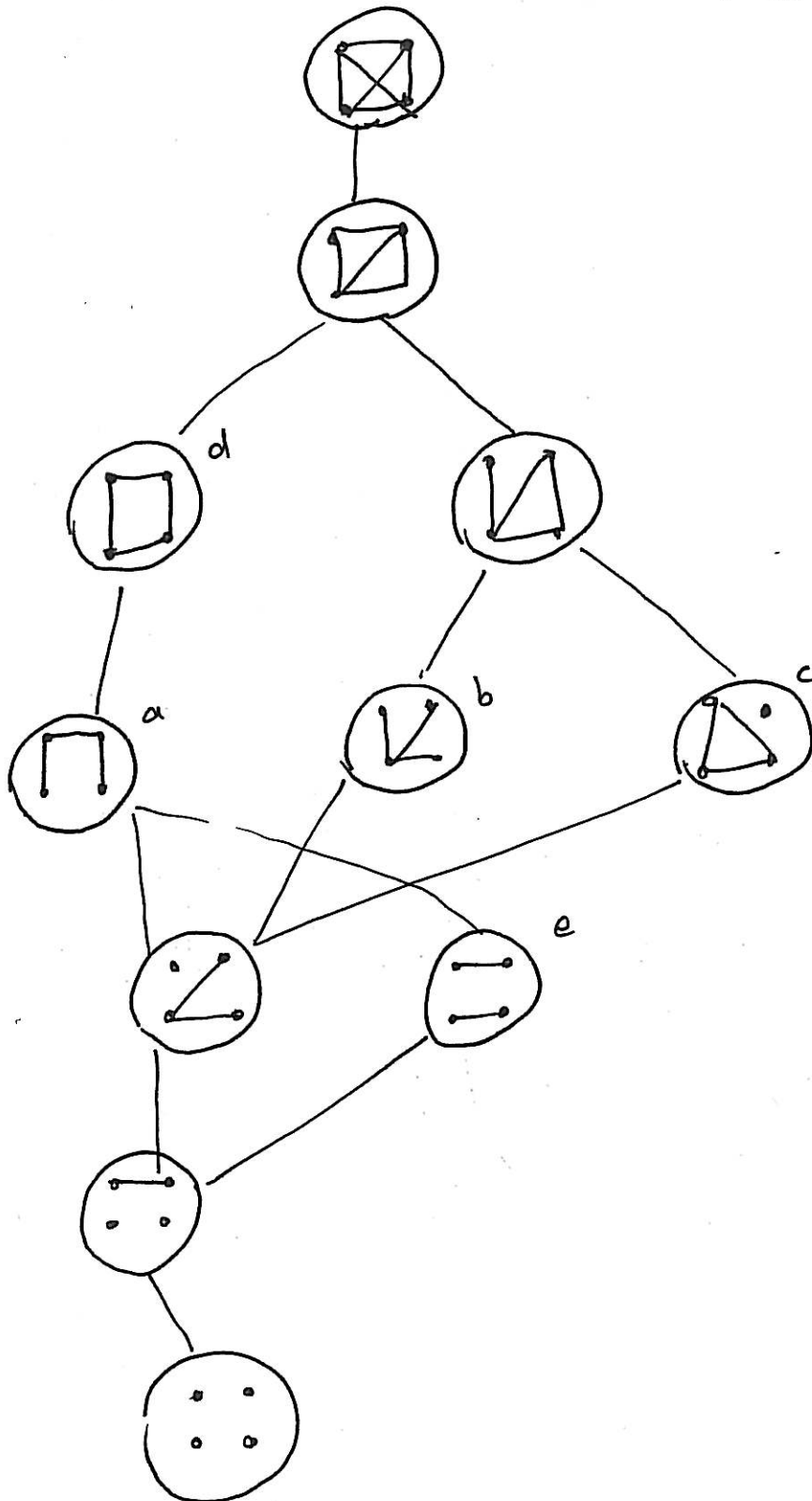
60



63



Here is the poset of Graphs on 4 vertices:



Maximum Antichains

a b c

b c d

b c e

it's easy to see
any of other vertices
cannot contained
in maximal
chain