MATH 890 SHORT HW 2

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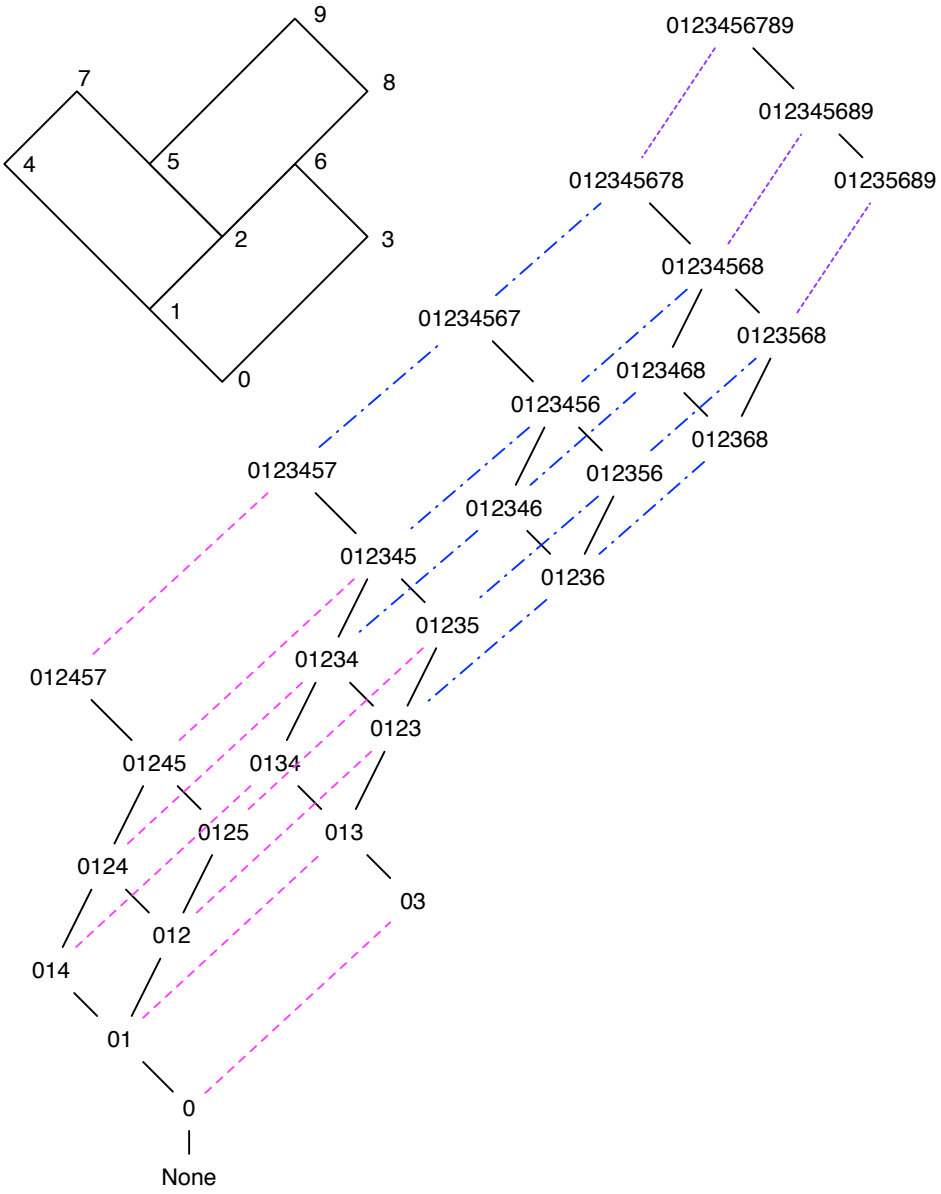
(1) *Draw the distributive lattice $J(P)$ corresponding to a poset P (of your choice) having at least width 3 and at least 8 elements. (You should play around with different posets P, different ways of drawing $J(P)$, etc. In the end, submit just one carefully drawn picture of P and $J(P)$ that you are proud of.)*



Here is a poset P (upper left, taken from my Mayan diamond) with width 3 (as the anti-chain 423 is the longest you can get), and here is the 3D-looking distributive lattice $J(P)$.