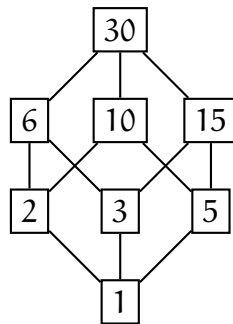# Math555 Homework 12

Note: To submit the k-th homework, simply put your files in the folder `HWk` on CoCalc, and it will be collected on the due day.

1. Draw the Hasse diagram for the poset D_{30}. Draw it in the same way as we drew the boolean lattice B_3 in class. [The sample code for drawing is provided; I believe you can work it out.]

   Solution.

2. Use Sage to construct the poset D_{100}. See the file `SageProject7_blank.sagews` in your CoCalc folder.

   Solution. The sample solutions are posted on the course website.