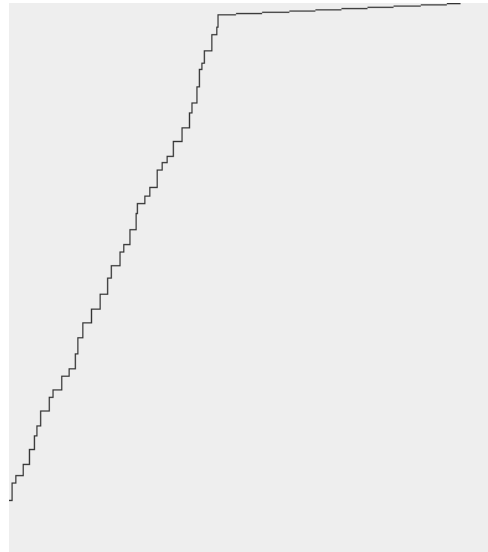


## Tutorial problems – Wed 20 Nov and Fri 22 Nov 2019

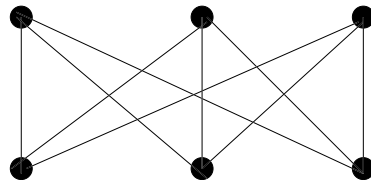
**10min** Ask whether there are any questions. Collect these by writing them on the board and decide with the whole group which of these to address in the 10 minutes available for question answering. The answering of the question may also be put to the end of the tutorial.

**15min** Assume the **SavingsAccount** class from the lab lecture of Week 6. Assume that a customer just pays in money and that the transactions are all stored in the **transactions** ArrayList. Represent the balance in form of a piece-wise constant function as in the screenshot with the horizontal axis representing days and the vertical axis the balance.



**25min** The students should again work in small group of 2 or 3 to address the following problem:

How can we put two lines of dots underneath each other on a scene and connect each dot of the first line with each of the second by a line as in the following figure?



How can this be generalized if there are **n** dots in the top row and **m** dots in the bottom row? Write a method that generates this from just the two numbers **n** and **m**.