Things to improve:

* Say why you choose that optimizer.
* Set a seed (look at the slides)
* Note that if we solved 4 incorrectly (solved the below problem) demand could have been higher than one, or not match supply wich is a MISTAKE.

Note on choice between optimizing method choice:

4a) ans 5a) using a **grid search**, since we are using a discrete set!!

4b) and 5b) you should use a **numerical optimizer**, since now we are looking at a continuous set!

Problem with numerical optimizer: starts with a departing point, hence the point in which we begin can lead to a problem, i.e., find a LOCAL minimum and not the GLOBAL minimum. -> Try different starting values. Then manually check the lowest one! Look at 5b), because something similar occurs, as the curve is quite flat around the minimum, so the optimizer struggles to find the minimum.