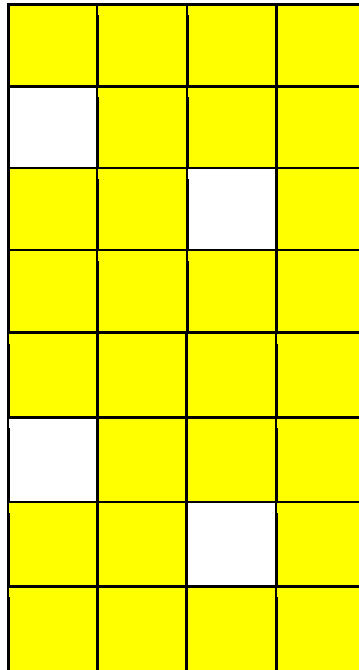


This is simplified version of my company's project. My company is working with the products that goes inside the Vending machines (chocolates, cola, biscuits etc). Main problem is like following. Company would like to know if you change the position of different product, how selling of the different product will affect. However, simplified task as just follow.



Vending machine simplified version

Consider a structure with yellow or white boxes as shown above. For every different configuration of white and yellow boxes, one can calculate value of different objective function. You can also choose different number for yellow and white boxes. For example, (3 white and 29 yellow, 15 white 17 yellow) with different position of yellow and white. In total, we have 4294967296 different possibilities. Your task is to build (any type of) neural network which can take any initial structure and optimize structure iteratively to find the maximum objective function (profits).