HW1 P5 Optimal Timing in Investment

a)

https://colab.research.google.com/drive/1dOC1AhUUlIs08jCJ6DGQLKrvzQoX7u6m

A computer screen with colorful text

Description automatically generated

A screen shot of a computer

Description automatically generated

So, the brute force solution is to compare all possible purchase and selling combination.

Ex. Starting with 100, the first day, try to calculate all the possible selling points i.e. 115, 90, 120, 85, 130. And then, calculate 115 -> all the way to 130. The same rule applies to all other purchase/selling points.

Time Complexity is O(n2)

b)

A computer screen shot of a program code

Description automatically generated

c)

