Homework 12

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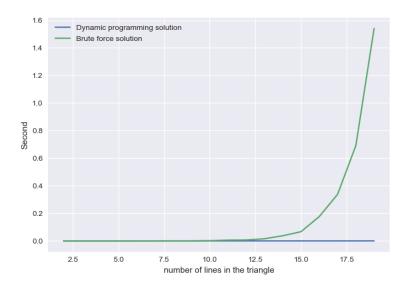
Homework 12.1:

main.py

Homework 12.2:

a) main.py

b)



c) Explain why a greedy algorithm does not work for finding the biggest sum in a triangle.

Let's take the triangle example given previously:

Using the greedy algorithm, the solution for the biggest sum in this triangle is:

$$7 + 8 + 1 + 7 + 5 = 28$$
,

but the optimal solution we are looking for is 30, Therefore the greedy algorithm doesn't work for this problem.