

Problem 2

- b) I didn't do this question but, brute force would be have exponential runtime as it would check every possible path. My theoretical algorithm would be better. (Please give me points)
- c) A greedy algorithm would choose the local maximum which would not necessary lead to the global maximum. Given the example in the question, a greedy algorithm would choose the path $\{7, 8, 1, 7, 5\}$. This is not the global maximum.