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Problem 1:
       Pi 0.5 2 3 4 5. With rook longth n=5.

Pensoy 0.5 1 1 2.45 2.35.
         In this case, the Gready swatery select 14 and 1]. the price is 10.3, However,
         it is better to sold the nod with n=5, which price is 11.75.
  Problem 2: I think this question can't be solved by dynamic-programming.

Bleause it does not obey sub-optimality property.
        For example. 21 characters
            Input is [BB...B. This, line, ends, in, the 7.
            #suppose M=2).
            thm, the solution should be:
                      BB...B

21 characters.

This line ends in the 0 empty space. is 0
  The optimal is 4^3+6^3=280.
       Optimal solution 15 1000.
                                               it is a more optimal solution to
B) case is optimal than @ case, but
                                               Store
      @ case should be the optimal solution it is contradict with sub optimality property.
```

Proceeded,
$$B_1 \rightarrow A \rightarrow T \rightarrow G$$