

Time Complexity

$$\begin{aligned} f(N) &= 1 + 6 + 2 + 5 + 2 + 5 + 7 + 4 + 1 + 1 + 1 + 9 + 9 \\ &\quad + 3 + 7 + 3 + 8 + 9 + 5 + 1 + 1 + 1 + 1 \\ &\quad + 1 + 1 + 1 \\ &= 96 = O(96) = O(1) \end{aligned}$$

Space Complexity

memory input: n/a

memory(non-input): max Model, min Model, car, topOf Stack, popped Item, car Name And Price, highest And Lowest Price

$$\hookrightarrow S(N) = 1 + 1 + 1 + 1 + 1 + 1 + 1 = 7$$

Orange = constant time