$$\text{have}(i) = \max \begin{cases} \text{nonhave}(i-1) - \text{prices}(i) \\ \text{have}(i-1) \end{cases}$$

$$\text{nonhave}(i) = \max \begin{cases} \text{nonhave}(i-1) \\ \text{cooldown}(i-1) \end{cases}$$

$$\text{cooldown}(i) = \text{have}(i-1) + \text{prices}(i)$$