

Question: _____

Max Profit With K Transactions

You are given an array of integers representing the prices of a single stock on various days (each index in the array represents a different day). You are also given an integer k , which represents the number of transactions you are allowed to make. One transaction consists of buying the stock on a given day and selling it on another, later day. Write a function that returns the maximum profit that you can make buying and selling the stock, given k transactions. Note that you can only hold 1 share of the stock at a time; in other words, you cannot buy more than 1 share of the stock on any given day, and you cannot buy a share of the stock if you are still holding another share.

Sample input: [5, 11, 3, 50, 60, 90], 2

Sample output: 93 (Buy: 5, Sell: 11; Buy: 3, Sell: 90)

Input:	Your Solution	Our Solution
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Run Code

```
function maxProfitWithKTransactions(prices, k) {
  // Write your code here.
}

// Do not edit the line below.
exports.maxProfitWithKTransactions = maxProfitWithKTransactions;
```

Output: Custom Output Raw Output

Run your code when you feel ready.

Help: Hide Show

The building is then dimensional array of the maximum profits you can make on each day with one, two, three, etc., transactions. Each column represents days and rows represent the number of transactions.

Tests: [Our Tests](#) [Your Tests](#) [Hide](#) [Show](#)

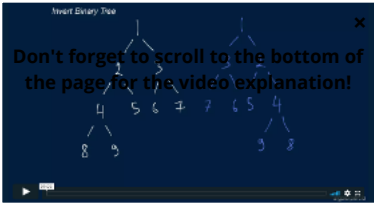
```

const program = registerProgram();
const state = registerState();

let [testState, testProgram] =
  [state, program].map((value) => {
    return value;
  });

let [testState, testProgram] =
  [state, program].map((value) => {
    return value;
  });

```



Video Explanation

[Go to Code Walkthrough](#)

[Questions List \(/questions\)](#)

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