2979. Most Expensive Item That Can Not Be Bought Premium Medium Topics Companies Operation Hint

You are given two distinct prime numbers primeOne and primeTwo.

Alice and Bob are visiting a market. The market has an **infinite** number of items, for **any** positive integer x there exists an item whose price is x. Alice wants to buy some items from the market to gift to Bob. She has an **infinite** number of coins in the denomination primeOne and primeTwo. She wants to know the **most expensive** item she can **not** buy to gift to Bob.

Return the price of the most expensive item which Alice can not gift to Bob.

Example 1:

Input: primeOne = 2, primeTwo = 5
Output: 3
Explanation: The prices of items which cannot be bought are [1,3]. It can be shown that all items with a price greater than 3 can be bought using a combination of coins of

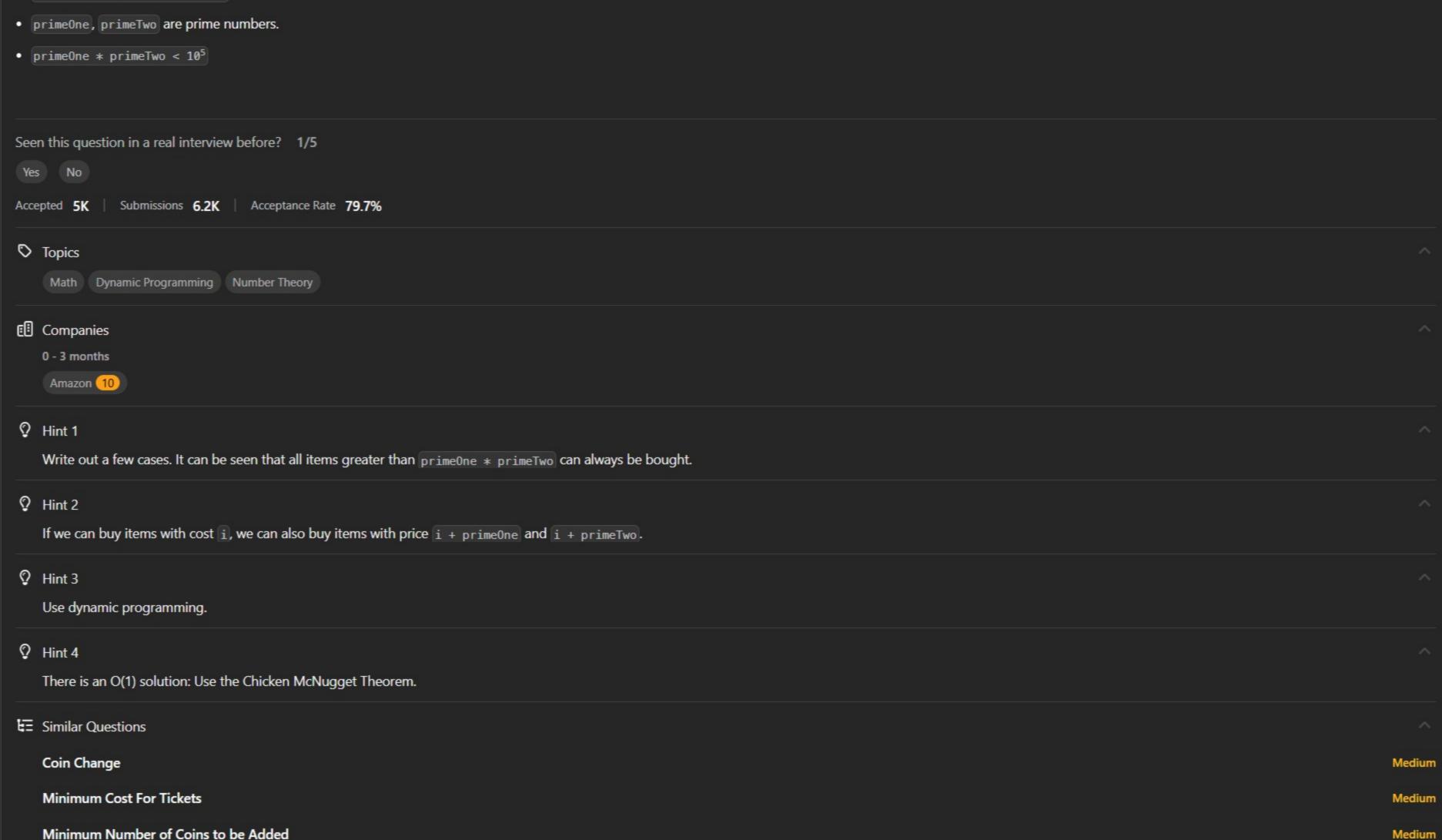
Example 2:

Input: primeOne = 5, primeTwo = 7
Output: 23
Explanation: The prices of items which cannot be bought are [1,2,3,4,6,8,9,11,13,16,18,23]. It can be shown that all items with a price greater than 23 can be bought.

Constraints:

1 < primeOne, primeTwo < 10⁴

denominations 2 and 5.



Discussion (8)