

SELL_STOCKS

[문제 설명]

김제로에게는 미래의 주식시장이 어떻게 흘러갈지 정보를 가지고 있습니다. 김제로는 주식을 매입하고 판매해야 하는 직업을 가지고 있는데, 항상 손해만을 봐야합니다. 김제로는 매년 1 회 구매하고 해당 년도가 아닌 이후 년도부터 판매가 가능합니다.

그렇지만 손해를 최소화하고 싶기 때문에 손해가 최소가 되는 구매와 판매 시점을 예상할 예정인데 이 때, 최소로 손해보는 값을 반환해주세요.

예를 들어 [5, 10, 3] 이라는 1 년차, 2 년차, 3 년차의 정보가 주어진다면, 1 년차 (5)에 구매하여 3 년차 (3)에 판매하는 것이 2 년차 (10)에 구매하여 3 년차 (3)에 판매하는 것보다 손해가 덜 나게 되고, 그 결과 $5-3 = 2$ 이기 때문에 2 의 값을 반환해주시면 됩니다.

[제한 사항]

- prices 의 길이는 10,000 이하 입니다.
- 항상 유효한 값만 입력됩니다.
- 모든 값은 중복되지 않습니다.
- 각 연도별 값은 1,000,000 이하입니다.

[입력 형식]

- prices 배열 안에 각 연도별 정보가 순차적으로 담겨있습니다.

[출력 형식]

- 가장 손해를 최소로 볼 수 있는 연도 조합에 따른 손해액을 반환해주세요

제한 시간 : 30 분

문제 유형 : Greedy Algorithm

난이도 : 중

매개변수

prices
Array / list

리턴타입

리턴타입
int

초기코드 Python

```
def solution(prices):  
    ...  
    :param prices: list  
    :return: int  
    ...  
    answer = 0  
  
    return answer
```

초기코드 JavaScript

```
/**  
 * @param prices {array}  
 * @return int  
 */  
function solution(prices) {  
    return 0  
}
```

테스트 케이스

예제용

입력값 prices
[5, 10, 3]

출력값
2

채점용

입력값 prices	출력값
[20, 7, 8, 2, 5]	2

입력값 prices	출력값
[2, 3, 4, 1]	1

입력값 prices	출력값
[2, 9, 8, 7, 6, 5, 4, 1]	1

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