배열 탈출

# Index	11909
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> 11909번: 배열 탈출
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> BAE**K**JOON
> ONLINE JUDGE
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> /‹› https://www.acmicpc.net/problem/11909

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1. Dynamic Programmin Algorithm

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```python
import sys


def sol():
    n = int(sys.stdin.readline())
    matrix = []

    for _ in range(n):
        matrix.append(list(map(int, sys.stdin.readline().split())))

    spends = [[float('inf') for _ in range(n)] for _ in range(n)]
    spends[0][0] = 0
    for i in range(n):
        for j in range(n):
            if i == n - 1:
                if j < n - 1:
                    spends[i][j + 1] = min(spends[i][j + 1], spends[i][j] + max(0, matrix[i][j + 1] - matrix[i][j] + 1))
            elif j == n - 1:
                if i < n - 1:
                    spends[i + 1][j] = min(spends[i + 1][j], spends[i][j] + max(0, matrix[i + 1][j] - matrix[i][j] + 1))
            else:
                spends[i + 1][j] = min(spends[i + 1][j], spends[i][j] + max(0, matrix[i + 1][j] - matrix[i][j] + 1))
                spends[i][j + 1] = min(spends[i][j + 1], spends[i][j] + max(0, matrix[i][j + 1] - matrix[i][j] + 1))

    print(spends[n - 1][n - 1])


sol()
```

- 전역변수 지역변수 속도 차이

> [Python] 전역 변수(Global variable)는 얼마나 느릴까?
> 다음 두 코드는 1부터 10000000까지 노가다로 더한다. 정말 성능 차이가 많이 날까?
> Sum.py s = 0 for i in range(1,10000000): s += i print(s)
> Sum_local.py def foo(): s = 0 for i in range(1,10000000): s += i
> ⠿ https://folivora.tistory.com/66