


야근 지수

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References

<https://school.programmers.co.kr/learn/courses/30/lessons/12927#>

References

1. Dynamic Programming

1. Dynamic Programming

```
def solution(n, works):
    if sum(works) <= n:
        return 0

    works = sorted(works, reverse=True)
    for i in range(1, len(works)):
        if n < 1:
            break
        if sum(works[:i]) - works[i] * i <= n:
            n -= sum(works[:i]) - works[i] * i
            works = [works[i] for _ in range(i)] + works[i:]
        elif i > n:
            works = [works[j] - 1 for j in range(n)] + works[n:]
            n = 0
        else:
            works = [works[j] - n // i for j in range(i)] + works[i:]
            n -= n // i * i
            for j in range(i - 1, i - n % i - 1, -1):
                works[j] -= 1
            n -= 1
```

```
if n >= len(works):
    works = [works[i] - n // len(works) for i in range(len(works))]
    for i in range(n % len(works)):
        works[i] -= 1
else:
    for i in range(n):
        works[i] -= 1
return sum([w ** 2 for w in works])
```