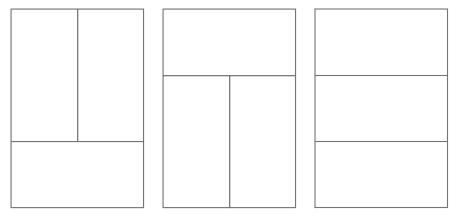
## 타일 채우기

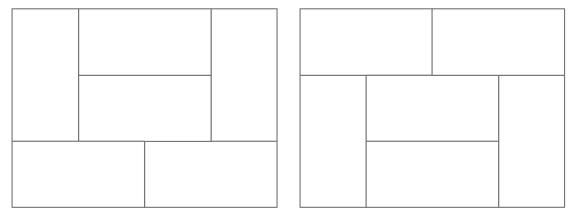
https://www.acmicpc.net/problem/2133

2\*n 타일 채우기 문제와 유사하다.

- ① dp[i] = 3 \* i 타일 채우기 가능한 개수
- ② i)3 \* 2:3가지



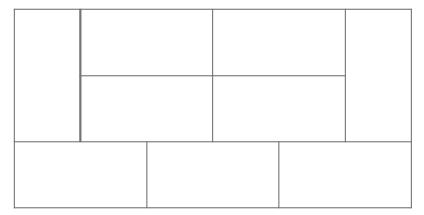
ii) 3 \* 4: 2가지

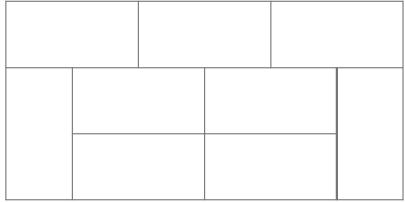




## 타일 채우기

https://www.acmicpc.net/problem/2133





$$\therefore$$
 dp[i] = 3 \* dp[i-2] + 2\* dp[i-4] + 2\* dp[i-6] ...  
= 3 \* dp[i-2] +  $\Sigma$  dp[i-j] (j = i-4, i-6,..., 0)

```
dp[0] = 1;
for (int i = 2; i <= N; i+=2) {
    dp[i] += 3 * dp[i - 2];
    for (int j = i - 4; j >= 0; j-=2){
        dp[i] += 2 * dp[j];
    }
}
```

