금고털이

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References

> Softeer
> /, https://softeer.ai/practice/info.do?idx=1&eid=395

References
1. Python Heapq

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1. Python Heapq

```python
import sys
import heapq

w, n = map(int, sys.stdin.readline().split("\n")[0].split(" "))
jewels = []
for _ in range(n):
    weight, price = list(map(int, sys.stdin.readline().split("\n")[0].split(" ")))
    heapq.heappush(jewels, (-price, -weight))

price = 0
while w:
    value, weight = heapq.heappop(jewels)
    value, weight = -value, -weight
    if weight < w:
        w -= weight
        price += value * weight
    else:
        price += value * w
        w = 0

print(price)
```