1000. Coins

Total: 462 Accepted: 127

Time Limit: 1sec Memory Limit:256MB

Description

Ouyang has 6 kinds of coins.
The number of the i-th coin is A[i] (0<=i<6).
Their value and weight are as followed:
0. $0.01, 3g
1. $0.05, 5g
2. $0.10, 2g
3. $0.25, 6g
4. $0.50, 11g
5. $1, 8g
Ouyang want to run away from home with his coins.
But he is so weak that he can only carry M gram of coins.
Given the number of each coin he has, what is the maximal value of coins he can take?

Input

There are multiple cases.
Each case has one line with 7 integers: M (1<=M<=10000), A[i], (0<=i<6, 0<=A[i]<=100000).

Output

The maximal value of coins he can take.

Sample Input

Copy

```
1 1 1 1 1 1 1
38 3  1  10  4  2  1
75 8  5  23  4  2  4
```

Sample Output

Copy

```
$0.00
$2.40
$6.10
```

Problem Source: ZSU ACM/ICPC Team

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