COCI '11 Contest 6 #1 Jack

Time limit: 1.0s   **Memory limit:** 32M

In "Blackjack", a popular card game, the goal is to have cards which sum up to the largest number not exceeding 21. Mirko came up with his own version of this game.

In Mirko's game, cards have positive integers written on them. The player is given a set of cards and an integer M. He must choose **three** cards from this set so that their sum comes as close as possible to M without exceeding it. This is not always easy since there can be a hundred cards in the given set.

Help Mirko by writing a program that finds the best possible outcome of the given game.

Input Specification

The first line of input contains an integer N ($3 \leq N \leq 100$), the number of cards, and M ($10 \leq M \leq 300\,000$), the number that we must not exceed.

The following line contains numbers written on Mirko's cards: N distinct space-separated positive integers less than $100\,000$.

There will always exist some three cards whose sum is not greater than M.

Output Specification

The first and only line of output should contain the largest possible sum we can obtain.

Sample Input 1

```
5 21
5 6 7 8 9
```

Sample Output 1

```
21
```

Sample Input 2

```
10 500
93 181 245 214 315 36 185 138 216 295
```

Sample Output 2

```
497
```