input

The first line gives the number of cards N (3 ≤ N ≤ 100) and M (10 ≤ M ≤ 300,000). The second line gives the number written on the card, which is a positive integer not exceeding 100,000.

It is given as an input only if it can find 3 cards whose sum does not exceed M.

Print

On the first line, print the sum of 3 cards as close as possible to M without exceeding M.

example input 1

5 21

5 6 7 8 9

example output 1

21

example input 2

10 500

93 181 245 214 315 36 185 138 216 295

example output 2

497