

A. Book Reading

time limit per test: 2 seconds

memory limit per test: 256 megabytes

input: standard input

output: standard output

Recently Luba bought a very interesting book. She knows that it will take t seconds to read the book. Luba wants to finish reading as fast as she can.

But she has some work to do in each of n next days. The number of seconds that Luba has to spend working during i -th day is a_i . If some free time remains, she can spend it on reading.

Help Luba to determine the minimum number of day when she finishes reading.

It is guaranteed that the answer doesn't exceed n .

Remember that there are 86400 seconds in a day.

Input

The first line contains two integers n and t ($1 \leq n \leq 100$, $1 \leq t \leq 10^6$) — the number of days and the time required to read the book.

The second line contains n integers a_i ($0 \leq a_i \leq 86400$) — the time Luba has to spend on her work during i -th day.

Output

Print the minimum day Luba can finish reading the book.

It is guaranteed that answer doesn't exceed n .

Examples

| input |
|--------------------|
| 2 2 86400 86398 |
| output |
| 2 |

| input |
|--------------------|
| 2 86400 0 86400 |
| output |
| 1 |