

Playing Monopoly

Jojo and Lili like to play a game called Monopoly (They believe that you also know the game, right?). But one day, Jojo don't want to play with Lili due to certain reason, so Lili plays alone. As this game should played by at least 2 persons, Lili wants to modify the game so she can play it alone.

Lili does not use any money for this type of game. "Chance" square and "Community Service" square are not used by Lili in this type of game.

This time "Go-to-Jail" rule (when someone roll dice double three times) is also not used. But, when she stops at "Go-to-Jail" square (on 30th square), she directly moved to "Jail" square (on 10th square). To get out from "Jail" she has to do nothing and just rolls the dice as usual.

To be more variative, she adds some rules : Whenever she stops at 12th square, she will go directly to 28th square, and when she stops at 35th square, she will go directly to 7th square. As the general Monopoly board, Start always in square number 0, and every corner of the board always multiple of 10 (0,10,20,30).

After throwing dice N times, where will be the last postion of Lili? Help her.

Format Input

Given one line consists of N - how much she throws the dice, then followed by N lines of k_i - sum of both dice thrown by Lili. It is guaranteed that N is at most 2.000 and k_i between 2 and 12 inclusively.

Format Output

Output the final position of Lili's last position.

Constraints

- $1 \leq N \leq 2.000$
- $2 \leq k_i \leq 12$

Sample Input 1 (standard input)

```
5
9 4 11 7 6
```

Sample Output 1 (standard output)

```
37
```

Sample Input 2 (standard input)

```
3
7 2 2
```

Sample Output 2 (standard output)

```
11
```

Explanation

On *Sample Test Case 1* Lili's position:

- After the 1st, her position is on square number **9**.
- After the 2nd, her position is on square number **13**.
- After the 3rd, her position is on square number **24**.
- After the 4th, her position is on square number **31**.
- After the 5th, her position is on square number **37**.

Thus, Lili's final position is on square number **37**.

Playing Monopoly

Jojo dan Lili senang sekali bermain permainan monopoli. Namun suatu hari, Jojo sedang tidak ingin bermain sehingga Lili terpaksa harus bermain sendiri. Karena permainan ini membutuhkan setidaknya 2 orang, Lili pun memodifikasi aturannya.

Lili tidak akan menggunakan uang sepeser pun dan tidak akan mendapat uang sepeser pun dalam permainan baru ini. Petak “Kesempatan” (Chance) dan “Dana Umum” (Community Service) pun tidak digunakan oleh Lili.

Aturan tentang masuk penjara akibat lemparan dadu yang kembar tiga kali berturut-turut tidak berlaku. Namun, saat Lili berhenti di kotak “Masuk Penjara” (pada petak ke-30), Lili secara langsung akan dipindahkan ke petak “Penjara” di petak ke-10. Jika Lili masuk penjara, ia tidak perlu melakukan apapun dan cukup melempar dadu seperti biasa.

Supaya lebih bervariasi, Lili menambahkan aturan: Apabila berhenti pada petak 12 akan berpindah ke petak 28 dan dari petak 35 ke petak 7. Petak Start ada di petak ke 0 dan setiap ujung baris selalu berkelipatan 10 (0,10,20,30).

Setelah melakukan N kali lemparan dadu, di petak nomor berapa Lili berada? Bantulah dia.

Format Input

Input terdiri dari N yang menunjukkan berapa kali dua buah dadu dilempar oleh Lili, kemudian diikuti oleh N baris k_i (jumlah kedua mata dadu pada lemparan ke i). Dipastikan bahwa N tidak melebihi 2.000 dan dipastikan pula k_i bernilai antara 2 hingga 12 (inklusif).

Format Output

Output yang dikeluarkan hanya berupa sebuah bilangan bulat yang menunjukkan nomor petak yang ditempati oleh Lili pada akhir lemparan dadu apabila petak start ada di petak ke-0.

Constraints

- $1 \leq N \leq 2.000$
- $2 \leq k_i \leq 12$

Sample Input 1 (standard input)

5
9 4 11 7 6

Sample Output 1 (standard output)

37

Sample Input 2 (standard input)

3
7 2 2

Sample Output 2 (standard output)

11

Explanation

Pada *Sample Test Case 1* posisi Lili:

- Setelah putaran (lemparan dadu) pertama, di posisi **9**.
- Setelah putaran kedua, di posisi **13**.
- Setelah putaran ketiga, di posisi **24**.
- Setelah putaran keempat, di posisi **31**.
- Setelah putaran kelima, di posisi **37**.

Maka, posisi terakhir dari Lili setelah 5 kali melempar dadu adalah di petak ke-**37**.