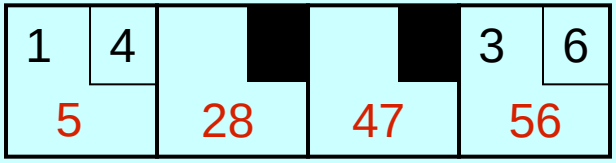
Level 4

Catalysts

Normal – Strike – Strike - Normal

4:1,4,10,10,3,6

Correct result:



Additional information:

Expected result: 5,28,47,56

Additional puzzle:

3:10,10,10,3,6 (Output: 30,53,72)

Input – Output Description

Catalysts

Input: <Number of Rounds>:<Throw1>,<Throw2>,<Throw3>, …

- Example: 3:1,4,6,4,7,0
- No empty spaces

Output: <Score Round1>,<Score Round2>, …

- Example : 5,22,29
- No empty spaces

When „Request Tests“ is selected, more test cases in the format described above will be shown.

Take these Strings as Input for your program.

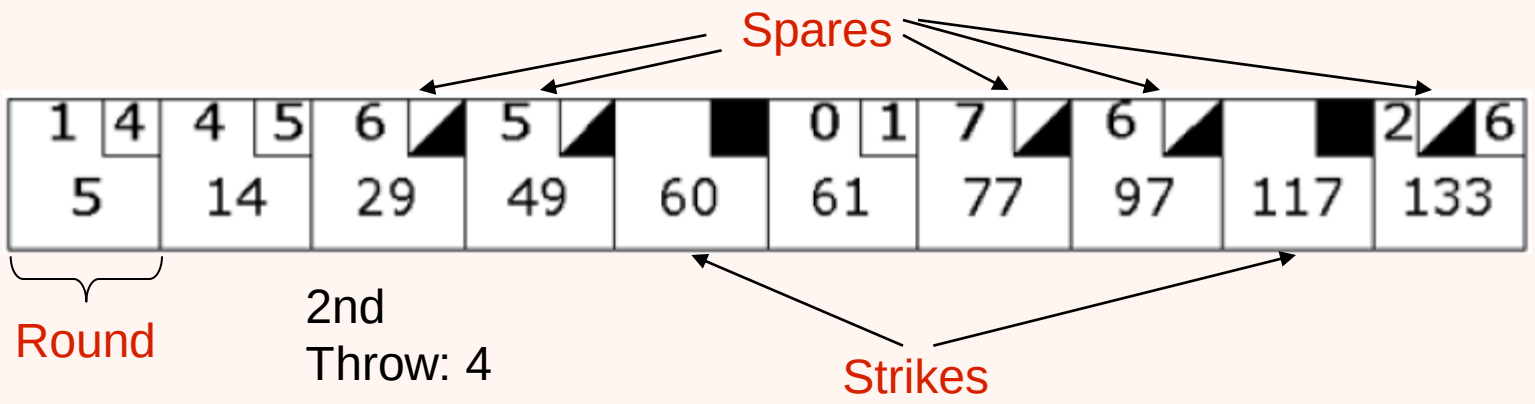
Copy the output of your program in the box near the input.

Press „Submit Tests“. The server will check the results.

Bowling

Catalysts

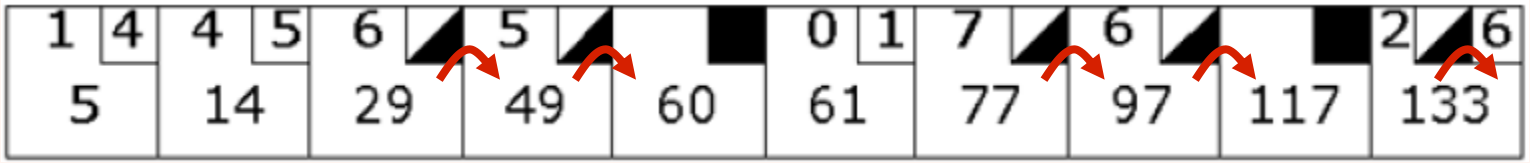
- One game has 10 rounds.
- In each round each Player has 2 throws, in order to knock down 10 pins.
- The score for a round is the sum of the pins that were knocked down, plus a Bonus for *strikes* and *spares*.
  - Points of the first round: 1 + 4 = 5
  - Points of the second round: 4 + 5 = 9; in total: 5 + 9 = 14
  - Strike: The player knocks down all 10 pins with one throw.
  - Spare: The player knocks down all 10 pins with two throws within the same round.



Spares

Catalysts

The player knocks down all 10 pins with the two throws within the same round. The Bonus for this round is the number of knocked down pins of the next throw.

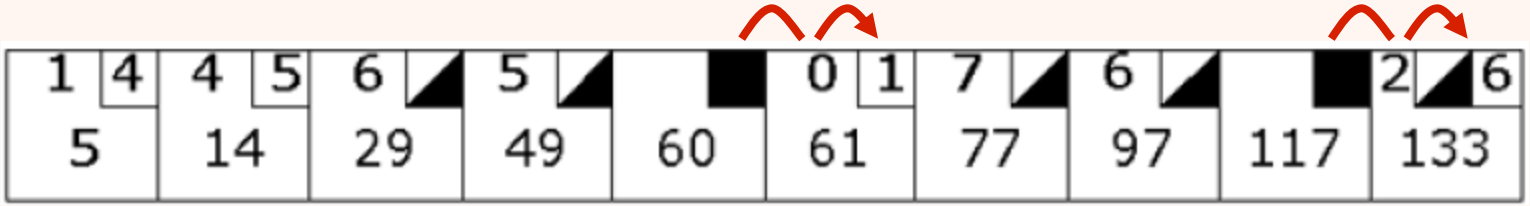


3. Round:	6 + 4 = 10; Bonus = 5;	14 + 10 + 5 = 29
4. Round :	5 + 5 = 10; Bonus = 10;	29 + 10 + 10 = 49
7. Round :	7 + 3 = 10; Bonus: 6;	61 + 10 + 6 = 77
8. Round :	6 + 4 = 10; Bonus: 10;	77 + 10 + 10 = 97
10. Round :	2 + 8 = 10; Bonus: 6;	117 + 10 + 6 = 133

Strikes

Catalysts

The player knocks down all 10 pins with only one throw.
The Bonus for this Round is the number of knocked down pins in the next 2 throws.



5. Round:10; Bonus: 0 + 1; 49 + 10 + 0 + 1 = 60

9. Round: 10; Bonus: 2 + 8; 97 + 10 + 2 + 8 = 117