

THE BOWLING GAME TEST

Scoring Bowling

1	4	4	5	6	▲	5	▲	■	0	1	7	▲	6	▲	■	2	▲	6
5		14		29		49		60		61		77		97		117		133

The game consists of 10 frames as shown above. In each frame the player has two opportunities to knock down 10 pins. The score for the frame is the total number of pins knocked down, plus bonuses for strikes and spares.

A spare is when the player knocks down all 10 pins in two tries. The bonus for that frame is the number of pins knocked down by the next roll. So in frame 3 above, the score is 10 (the total number knocked down) plus a bonus of 5 (the number of pins knocked down on the next roll.)

A strike is when the player knocks down all 10 pins on his first try. The bonus for that frame is the value of the next two balls rolled.

In the tenth frame a player who rolls a spare or strike is allowed to roll the extra balls to complete the frame. However, no more than three balls can be rolled in tenth frame.

Programming (40 minutes)

Write program that print the score of bowling game.

1	4	4	5	6	▲	5	▲	▲	0	1	7	▲	6	▲	▲	2	▲	6
5		14		29		49		60		61		77		97		117		133

Note the following:

- **You can use any programming language** you like.
- You can search anything on the Internet if you need.
- You don't need to use such as “standard input” to read an input below. Please focus the main logic.
- Is the code easy to read?
- Is the code maintainable?
- Is the code faster?
- Is the name of the function or variable suitable?

Input

1,4|4,5|6,4|5,5|10|0,1|7,3|6,4|10|2,8,6|

Expected output

133