Minimum number of coins

Chef has infinite coins in denominations of rupees 5 and rupees 10.

Find the **minimum** number of coins Chef needs, to pay **exactly** X rupees. If it is impossible to pay X rupees in denominations of rupees 5 and 10 only, print -1.

Input Format

- First line will contain T, number of test cases. Then the test cases follow.
- Each test case contains of a single integer X.

Output Format

For each test case, print a single integer - the **minimum** number of coins Chef needs, to pay **exactly** X rupees. If it is impossible to pay X rupees in denominations of rupees 5 and 10 only, print -1.

Constraints

- $1 \leq T \leq 1000$
- $1 \leq X \leq 1000$

Subtasks

- **Subtask 1 (100 points):** Original constraints.

Sample 1:

Input	
Output	
3 50 15 8	5 2 -1

Explanation:

Test Case 1**:** Chef would require at least 5 coins to pay 50 rupees. All these coins would be of rupees 10.

Test Case 2**:** Chef would require at least 2 coins to pay 15 rupees. Out of these, 1 coin would be of rupees 10 and 1 coin would be of rupees 5.

Test Case 3**:** Chef cannot pay exactly 8 rupees in denominations of rupees 5 and 10 only.