

Duck Hunt 4

Input file: `standard input`
Output file: `standard output`
Time limit: 1 second
Memory limit: 256 megabytes

Brian Xiao the literal child is hunting ducks again!

There are 6 types of ducks: Ducks that have health 1, 5, 10, 50, 100 and 500.

To kill a duck with health H , you need to shoot it H times, and hence need to use H bullets.

Brian Xiao likes killing certain types of ducks more than others. In particular: killing a duck with health 5 will give him 5 happiness points, and killing a duck with health 500 will give him 1000 happiness points. Killing any other duck will not increase his happiness points.

Brian Xiao has X bullets, and would like to maximise his happiness points. Note that you should assume there are infinitely many ducks of each type.

Input

The first and only line of input contains one integer, X .

Output

Output the maximum number of happiness points that can be earned.

Scoring

For all test cases, it is guaranteed that:

- $0 \leq X \leq 10^9$

Subtask	Score	Additional constraints
1	31	$X < 500$
2	69	—
3	0	Sample test cases

Example

<code>standard input</code>	<code>standard output</code>
1024	2020

Note

Brian Xiao can kill two ducks with 500 health, 4 ducks with 5 health and 4 ducks with 1 health to gain 2020 happiness points.