

Problem 3



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We want to send a postcard by mail. We need to stamp worth n cents. Stamps have values 7 and 4 cents. As space is limited we want to know the minimum number of stamps we need to put on the postcard, without losing a cent.

Write a function *stamps*(n) that given an integer number n it returns two numbers $p \geq 0$ and $q \geq 0$ such that $n = 7p + 4q$ and $p+q$ is minimum among all possible choices.

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Examples:

Input:

Output:

20

0 5

31

1 6

53

7 1

127

17 2