C (EN)

Time Limit: 1s

Memory Limit: 256MB

Description

Given an integer X that ranges from 0-100, print the corresponding letter grade according to the following grading scheme

$0 - 40: E$

$41 - 55: D$

$56 - 60: C$

$61 - 65: BC$

$66 - 75: B$

$76 - 85: AB$

$86 - 100: A$

Input Format

A single integer X

Output Format

The corresponding letter grade for X

Constraints

$0 \leq X \leq 100$

Example

Input
60
Output
C

Explanation

60 is in the range of 56-60, which corresponds to the letter grade C