

Vocative Pronouns

Given a person Y with information about age and gender, we can call Y as:

- “Be” if he/she is not older than 5 years old.
- “Em” if he/she is not older than 20 years old.
- “Anh” if the person is not older than 35 years and the person is a man
- “Chi” if the person is not older than 35 years and the person is a girl
- “Chu” if the person is not older than 60 years and the person is a man
- “Co” if the person is not older than 60 years and the person is a woman
- “Ong” if the person is older than 60 years and the person is a man
- “Ba” if the person is older than 60 years and the person is a woman

Input

A number which is the age and a string which is the gender. The gender is “Nam” or “Nu”

Output

Output a word which is how we should call Y.

Example

Input:
18 Nam

Output:
Em