

Task: GEN Generator

Farias Brito High School Programming Camp, Day 5. Available memory: 256 MB. 29.07.2016

Poor Byteasar has accidentally deleted a very important program. Luckily he managed to restore several files that were generated using his program. Byteasar asks you to help him restore the program.

On the contest webpage you can find an archive containing 9 files (`geni.out` for $0 \leq i \leq 8$) that were generated using Byteasar's program. Your task is to write a program that reads the number of a test case and generates the data from the corresponding file. Test number 0 is an example test. The size of your program must not exceed 102 400 bytes.

Input

The only line of the input contains one integer i ($0 \leq i \leq 8$).

Output

Your program should print the content of the file `geni.out` to the output. Your output may contain additional white space at the end of some lines or at the end of the file.

Example

For the input data:

0

the correct result is:

FARIAS BRITO

Grading

There are 8 subtasks for different values of i ($1 \leq i \leq 8$); each worth 12 or 13 points.