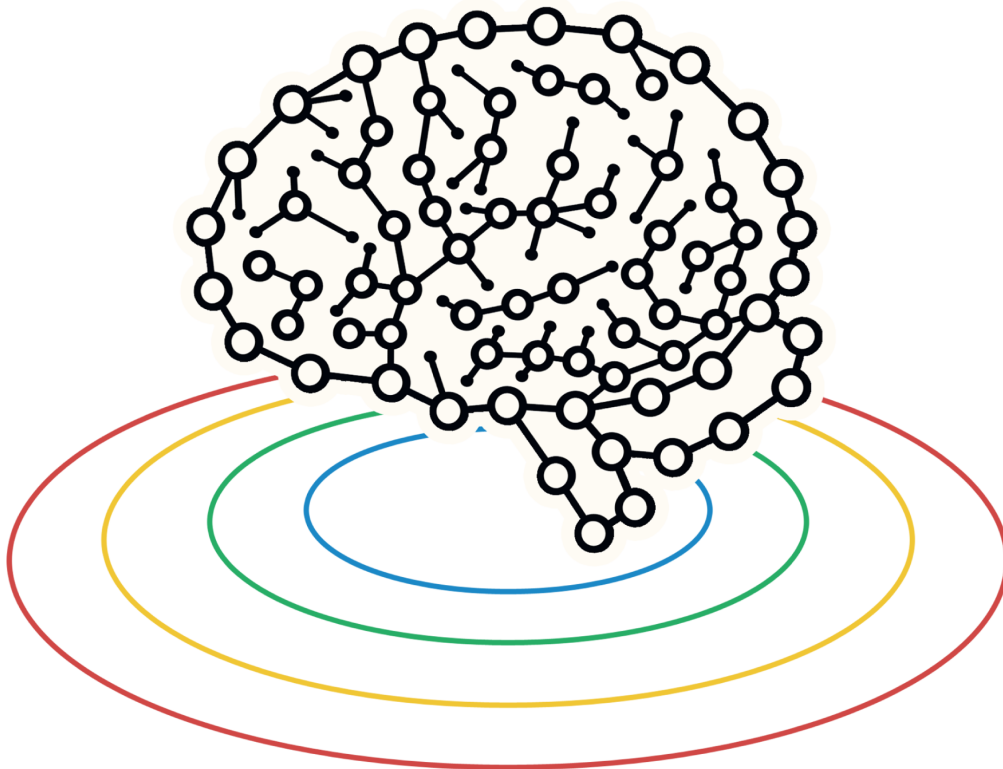




Association for Computing Machinery  
University of the Philippines Diliman Student Chapter, Inc.



# ALGOLYMPICS 2021

UP ACM PROGRAMMING COMPETITION

## PRACTICE PROBLEMS

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## Sample Problem

### Make Gawa This Program

Time Limit: 3 seconds

ZOMGG!!! My dad's going to take me to the BTS concert! Finally! But, he has one condition. I need to be able to speak Tagalog sentences properly to be able to talk to people properly. W. T. F!!!! Why Tagalog, Father??? So, anyway, I'm going to need some help. I know some Tagalog words but I usually fail in speaking proper Tagalog sentences. I can't understand what people are sayin'. Oh na na na. Please help!!!!!!

#### Input Format

Each line of input will consist of a string with at most 1000 characters with the following format:

SUBJ + [space] + MAKE + [space] + VERB + " the " + NOUN + PUNC

where

SUBJ = "I" | "You" | "He" | "She" | "We" | "They"

MAKE = "will make" | "make" | "makes" | "made"

PUNC = "." | "!"

with VERB and NOUN being non-empty strings consisting only of letters A-Z and a-z.

Moreover, it is guaranteed that VERB has **at least one** vowel. Vowels are A, E, I, O, U, a, e, i, o, u.

#### Output Format

You must output a string of the following format:

PANDIWA + [space] + SIMUNO + " ang " + NOUN + PUNC

where SIMUNO depends on the value of SUBJ as follows:

SUBJ	SIMUNO
I	ko
You	mo
He	niya
She	niya
We	natin
They	nila

and PANDIWA depends on MAKE as follows:



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MAKE	PANDIWA
will make	Repeat the first syllable of VERB. If the last vowel of VERB is "O" or "o", replace it with "U" or "u", respectively. If the last letter is a vowel, add "hin" at the end. If the last letter is a consonant, add "in" at the end.
made	Add the string "in" before the first vowel.
make	Repeat the first syllable then add the string "in" before the first vowel.
makes	

and NOUN, PUNC are the same value as in the input. Moreover, the *first syllable* is defined to be everything before the first vowel, plus that vowel. Furthermore, if the first letter of the result is not capitalized, capitalize it.

## Sample Input

He made pangako the tiket.  
You make sulat the program.  
I will make yakap the artista.

## Sample Output

Pinangako niya ang tiket.  
Sinusulat mo ang program.  
Yayakapin ko ang artista.