
Woof

A woof is defined as:

- $\langle \text{woof} \rangle \Rightarrow p \mid q \mid r \mid s$
(p, q, r, or s)
- $\langle \text{woof} \rangle \Rightarrow N \langle \text{woof} \rangle$
(N followed by a woof)
- $\langle \text{woof} \rangle \Rightarrow \langle \text{leader} \rangle \langle \text{woof} \rangle \langle \text{woof} \rangle$
(leader followed by two woofs)
- $\langle \text{leader} \rangle \Rightarrow C \mid A \mid K \mid E$
(leader is defined as C, A, K, or E)

Task

Write a program to:

1. Read a line of text.
2. Print “woof” or “not woof” depending on whether or not the line typed was a woof.

Relates to Objectives

1.2 1.3 1.4 2.2 2.3 3.3 3.4 3.5

(Individual)