PRIME-NUMBER(number, counter=NONE):

IF counter = 1:  
 RETURN TRUE  
ELIF number < 2:  
 RETURN FALSE  
ELIF counter = None:  
 counter <- number -1   
 PRIME-NUMBER(number, counter)  
ELIF number % counter = 0:  
 RETURN FALSE  
ELSE:  
 RETURN PRIME-NUMBER(number, counter -1)