```
FUNCTION With_IO_spike(potential_to_add):
       Declaration
       V_{initial} = -75.
                            #Parameter, float
       Threshold = -65. #Parameter, float
       V<sub>add</sub> = potential_to_add #Parameter, float
Start
       V_{membrane} = V_{initial} + potential\_to\_add #Variable, float
       If (V_{membrane} >= Threshold):
               return TRUE
       else:
               return FALSE
EndFunction
MainProgram Main(potential_to_add):
       Declaration
       V<sub>add</sub> = potential_to_add  #Parameter, float
Start
       spike = with_IO_spike(V_{add})
       print("The neuron spiked: ", spike)
End
```