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Title: Experiment while loop and for loop to control a virtual LED blinking at 1Hz.

Objective:

Introduction:

This experiment used the the while loop and for loop to control a virtual LED blinking at 1Hz.

A program inside a while loop stays running until a condition is met. The condition is set by

wiring a true or false control to the . The ‘i’ at the left bottom corner counts how many

iterations the loop has been executed.

Exercise 2). Create a while loop (Structure>>while loop) to the above program so that it

will keep running until a ‘STOP’ (Boolean>>STOP) button is pressed.

A “while” loop executes a sequence of steps repeated over and over while a condition is meet. The  icon feeds out the number times the loop has been executed (it starts counting at zero) The condition is defined in the lower right corner of the while loop using this

. This icon represents the “stop if true” condition. The condition can be changed by right clicking and selecting something else (select “continue if true” and the icon will change to

 ).