Signal_Generator

```
pulse_width ← 1300
rest_width ← 100
pulse_count ← 9
block_end ← 6000
test ← 1000

while (true)
    INPUT button1_pressed
    INPUT button2_pressed

    signal_B ← true
    delayMicroseconds(50*test)
    signal_B ← false

    for i ← 0 to pulse_count
        x ← abs((button2_pressed*pulse_count)-i)

        signal_A ← (not button1_pressed)
        delayMicroseconds((pulse_width+(50*i))*test)
        signal_A ← false
        delayMicroseconds(rest_width*test)

    delayMicroseconds(block_end*test)
```