

Program start

set runTime to 20

set ToFcounts to 0

set ToFlist to create list with item 0 repeated 200 times

set done to false

run concurrently

with actor Ari_1 do

run concurrently

repeat while done = false

do in list ToFlist set # ToFcounts as get next reading from time of flight sensor

change ToFcounts by 1

wait runTime seconds

set done to true

set timeBetweenToFpulses to $\frac{\text{runTime}}{\text{ToFcounts}}$

count with i from 0 to ToFcounts by 1

do print to IO console create text with $i \times \text{timeBetweenToFpulses}$

in list ToFlist get # i

throw "This exception keeps data in the IO Console."

with actor Ari_2 do

move distance: 370 mm speed: 20 mm/s