

when started

drive forward for 100 mm ▶

repeat until FrontEye is near object?

drive forward

if DownEye brightness in % < 1 then

drive forward for 25 mm ▶

set robot pen to color black

move robot pen up

drive forward for 75 mm ▶

move robot pen down

else if DownEye detects red ? then

drive forward for 25 mm ▶

set robot pen to color red

move robot pen up

drive forward for 75 mm ▶

move robot pen down

else if DownEye detects green ? then

drive forward for 25 mm ▶

set robot pen to color green

move robot pen up

drive forward for 75 mm ▶

move robot pen down

else

drive forward

DownEye detects red ?

stop driving