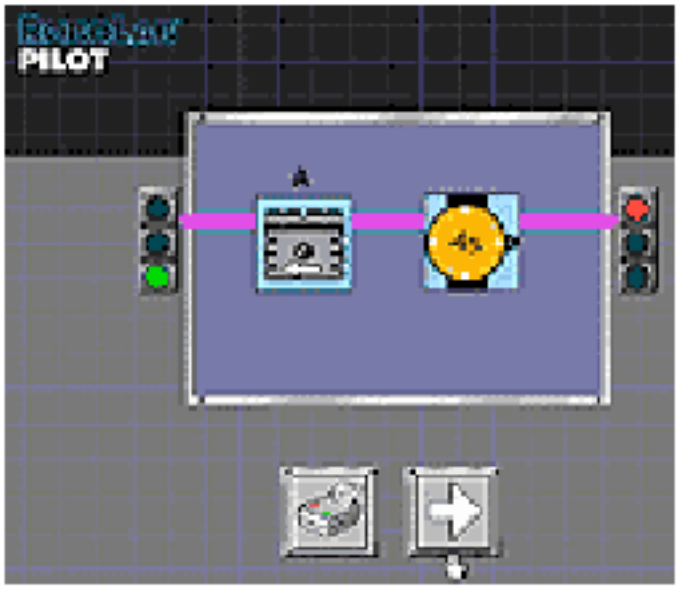
Pilot 1 Test

How far can your Robot Travel in 1, 2, 3, 4 seconds?



Open ROBOLAB > Programmer > Pilot 1

Program Slot 1 > Motor A forward 1 second

Program Slot 2 > Motor A forward 2 seconds

Program Slot 3 > Motor A forward 3 seconds

Program Slot 4 > Motor A forward 4 seconds

Program Slot 5 > Choice Program Pilot 1

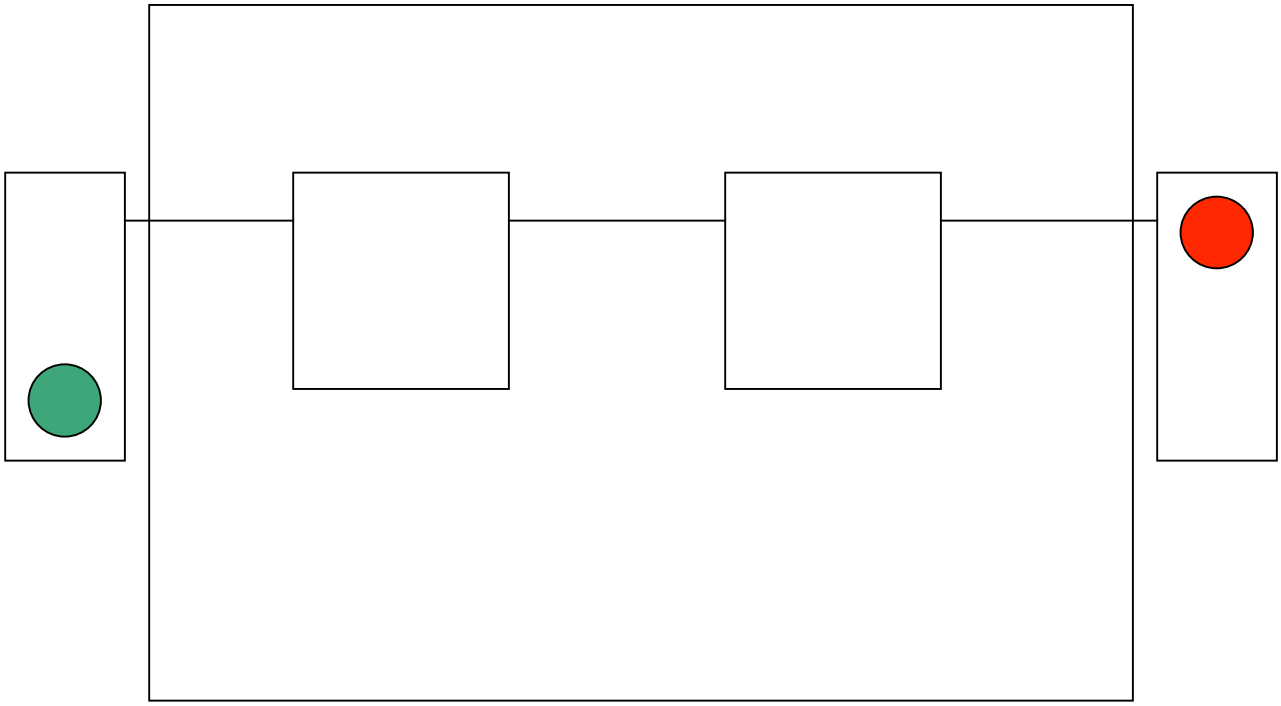
Number of Seconds	Distance on Rug	Distance on Floor
Example: 1 SECOND	7 3/4 in	8 1/4 in
1 SECOND		
2 SECONDS		
3 SECONDS		
4 SECONDS		

What we noticed:

_____

_____

Pilot 1 Choice Program



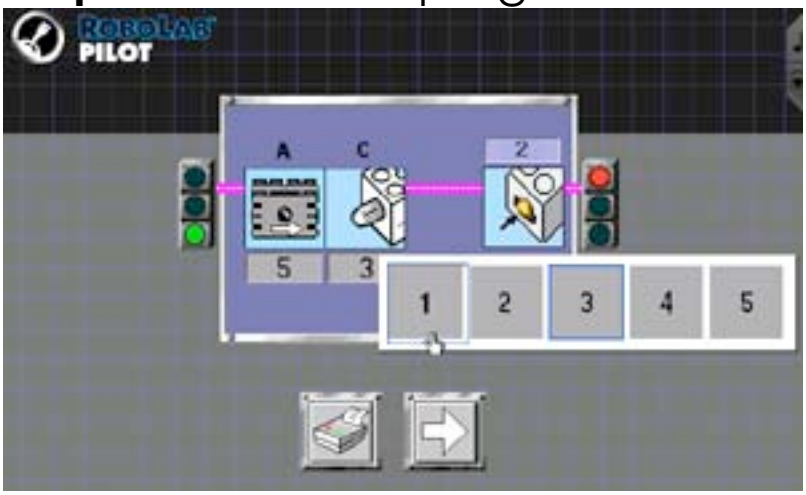
What we programmed

How our robot behaved

Pilot 2 Test

How far can your Robot Travel in 1, 2, 3, 4 seconds
at different Power levels?

Step 1: Connect a lamp to Port C
Step 2: Load new programs



Open ROBOLAB > Programmer > Pilot 2

Program Slot 1 >
Motor A go forward at POWER (1)
Lamp in PORT C at POWER (1)
Time – 1 second

Program Slot 2 >
Motor A go forward at POWER (2)
Lamp in PORT C at POWER (2)
Time – 1 second

Program Slot 3 >
Motor A go forward at POWER (3)
Lamp in PORT C at POWER (3)
Time – 1 second

Program Slot 4 >
Motor A go forward at POWER (4)
Lamp in PORT C at POWER (4)
Time – 1 second

Program Slot 5 >
Motor A go forward at POWER (5)
Lamp in PORT C at POWER (5)
Time – 1 second

1 Second

Original Distance	Power Level 1	Power Level 2	Power Level 3	Power Level 4	Power Level 5
Floor					
Rug					

Lamp Brightness: _____

2 Seconds

Original Distance	Power Level 1	Power Level 2	Power Level 3	Power Level 4	Power Level 5
Floor					
Rug					

Lamp Brightness: _____

3 Seconds

Original Distance	Power Level 1	Power Level 2	Power Level 3	Power Level 4	Power Level 5
Floor					
Rug					

Lamp Brightness: _____

4 Seconds

Original Distance	Power Level 1	Power Level 2	Power Level 3	Power Level 4	Power Level 5
Floor					
Rug					

Lamp Brightness: _____

What we noticed:

_____

_____