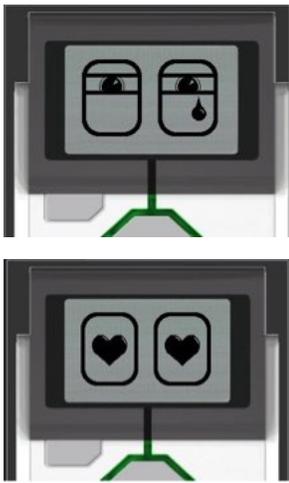


PROGRAMMING CHALLENGE:

In this lesson, we will help GRIPP3R get his toy back. GRIPP3R will drop his toy, cry, and will display a sad face. When you wave in front of his Infrared sensor, and then give him this toy, he will lift it up and show a happy face and say "thank you". He will say "good bye" and turn away.



No Toy



With Toy

BLOCKS YOU NEED:

Medium Motor Block to move the robot's arms and
Move Steering Block to make the robot turn.



Wait For block (time, touch and infrared sensors)



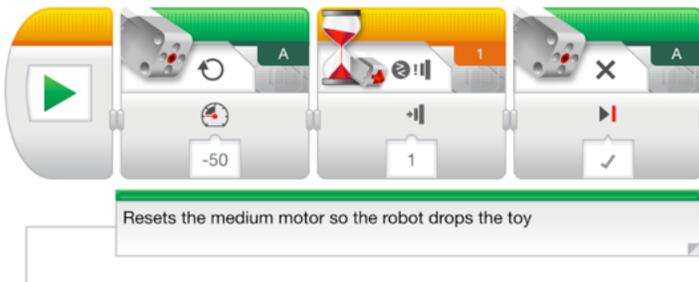
Display Block to show sad and happy faces



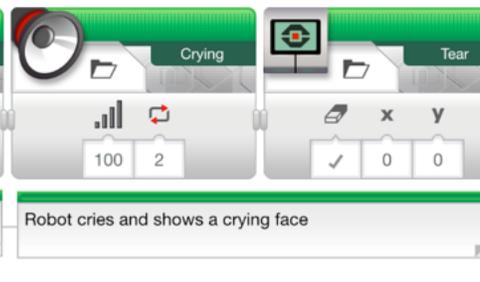
Sound Block to make the robot cry and say "thank you" and "goodbye"



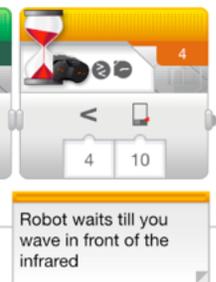
STEP 1: Reset the arm first using the Medium Motor Block



STEP 2: Use a Sound Block and Display Block to show the robot is sad.

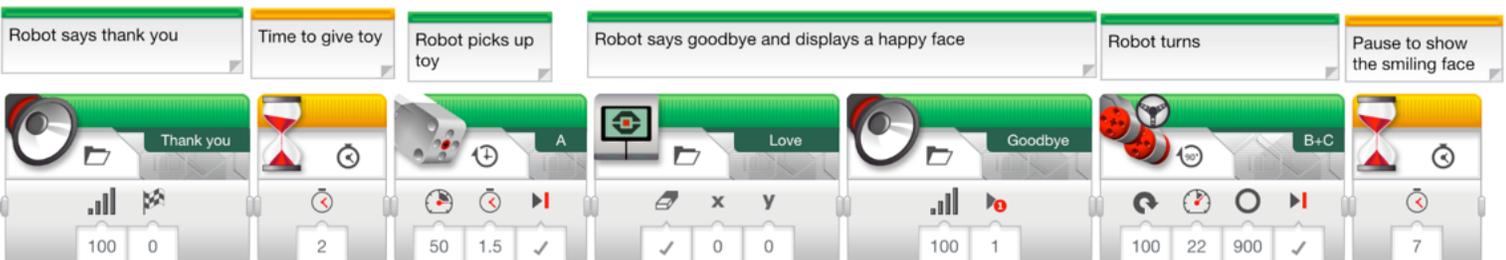


STEP 3: Wait for the infrared sensor



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SOLUTION



STEP 4: Say "thank you" and wait a little to receive the toy

STEP 5: Move the Medium Motor to hold the toy.

STEP 6: Use a Sound Block to say "good bye" and Display Block to show the robot is happy.

STEP 7: Use the Steering Block to have the robot turn so you can see the smiling face. for 7 seconds