Scratch !

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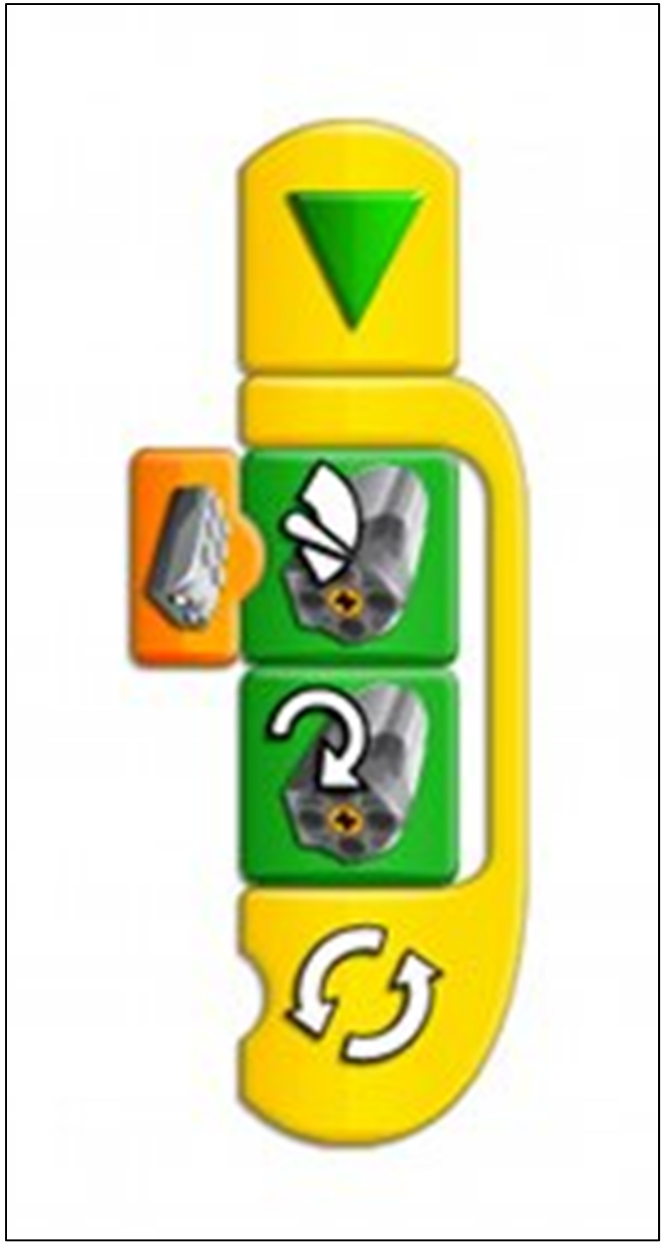
Oregon State University

http://cs.oregonstate.edu/~mjb/scratch

What Kind of People Need to Tell the Computer Where to Put Things?

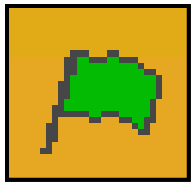
Programming from Left-to-Right

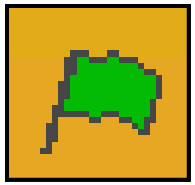
Programming from Top-to-Bottom



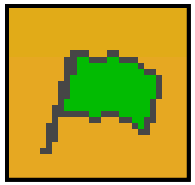
When the Green Flag gets waved, what happens?

http://www.skirtsandscuffs.com/2011_03_01_archive.html



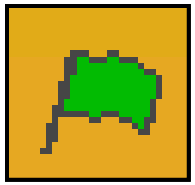


Stand Up



Stand Up

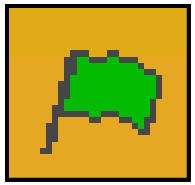
Raise Your Left Hand



Stand Up

Raise Your Left Hand

Put Your Right Hand on Top of Your Head

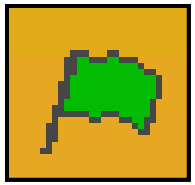


Stand Up

Raise Your Left Hand

Put Your Right Hand on Top of Your Head

Turn Around One Circle



Stand Up

Raise Your Left Hand

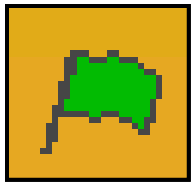
Put Your Right Hand on Top of Your Head

Turn Around One Circle

Repeat 3 Times

Meow Like a Cat

Count to 2



Stand Up

Raise Your Left Hand

Put Your Right Hand on Top of Your Head

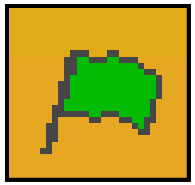
Turn Around One Circle

Repeat 3 Times

Meow Like a Cat

Count to 2

Put Your Hands Down



Stand Up

Raise Your Left Hand

Put Your Right Hand on Top of Your Head

Turn Around One Circle

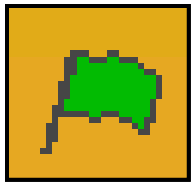
Repeat 3 Times

Meow Like a Cat

Count to 2

Put Your Hands Down

Sit Down



Stand Up

Raise Your Left Hand

Put Your Right Hand on Top of Your Head

Turn Around One Circle

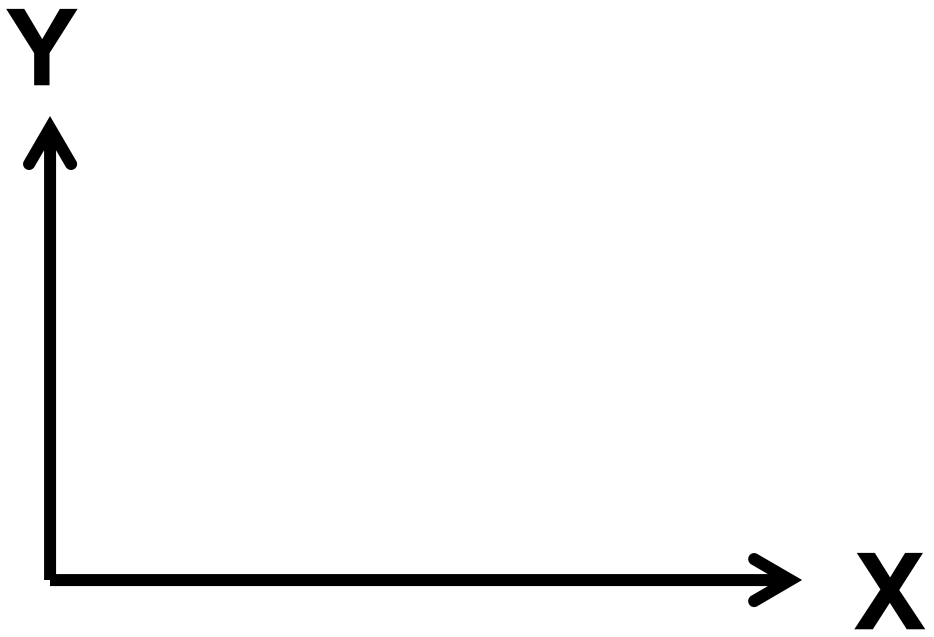
Repeat 3 Times

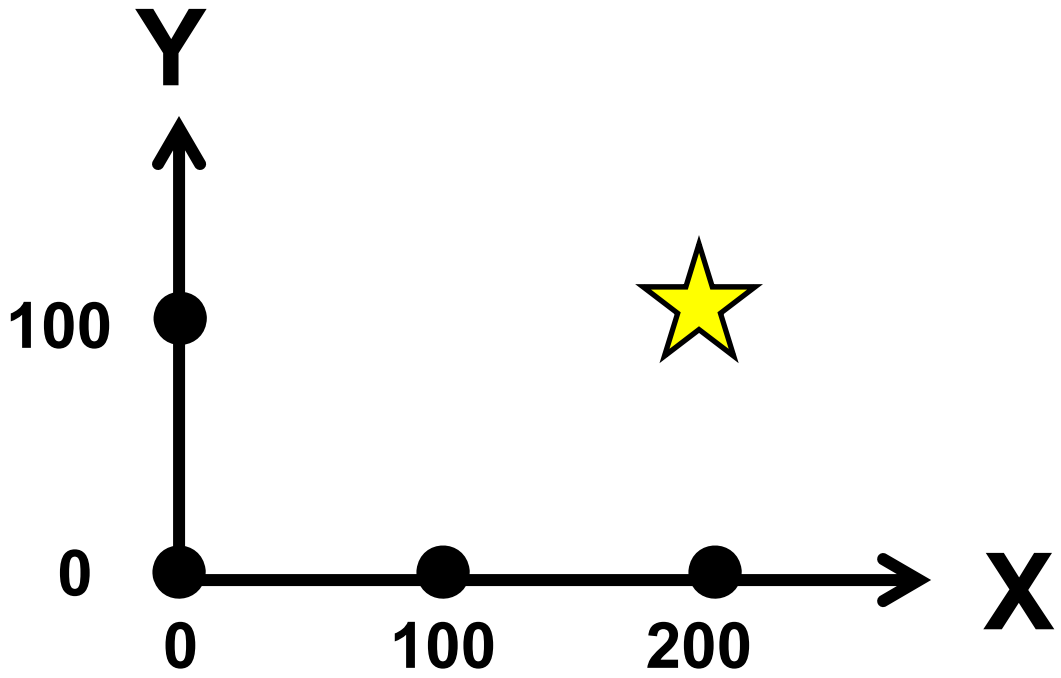
- Meow Like a Cat
- Count to 2

Put Your Hands Down

Sit Down

Smile !


Y
X


Y
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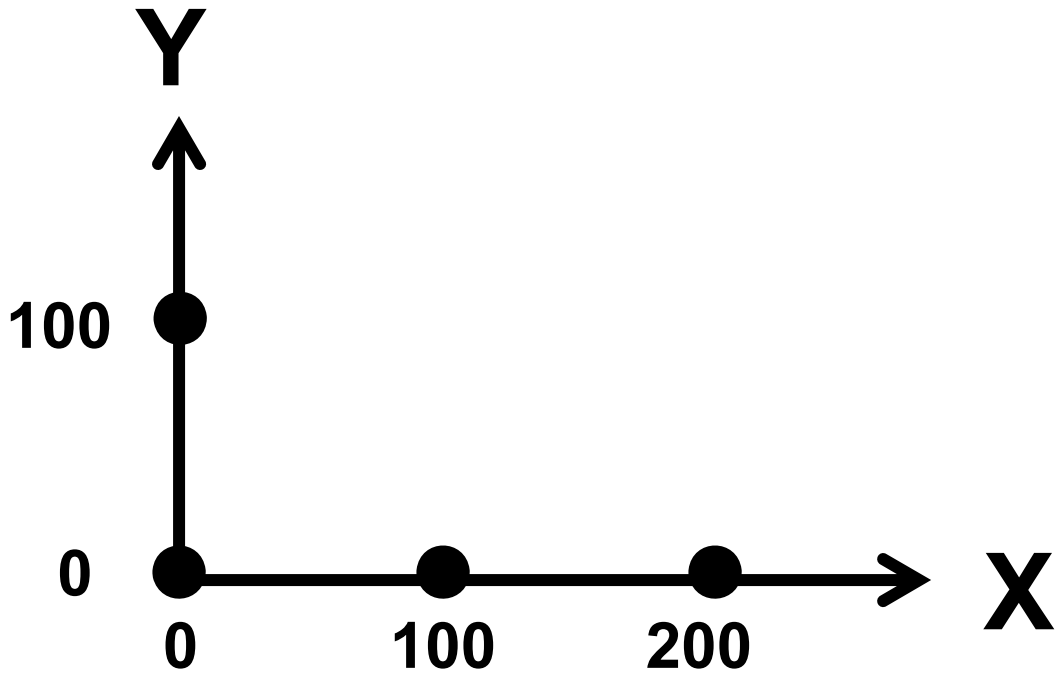
0
X
0
100
200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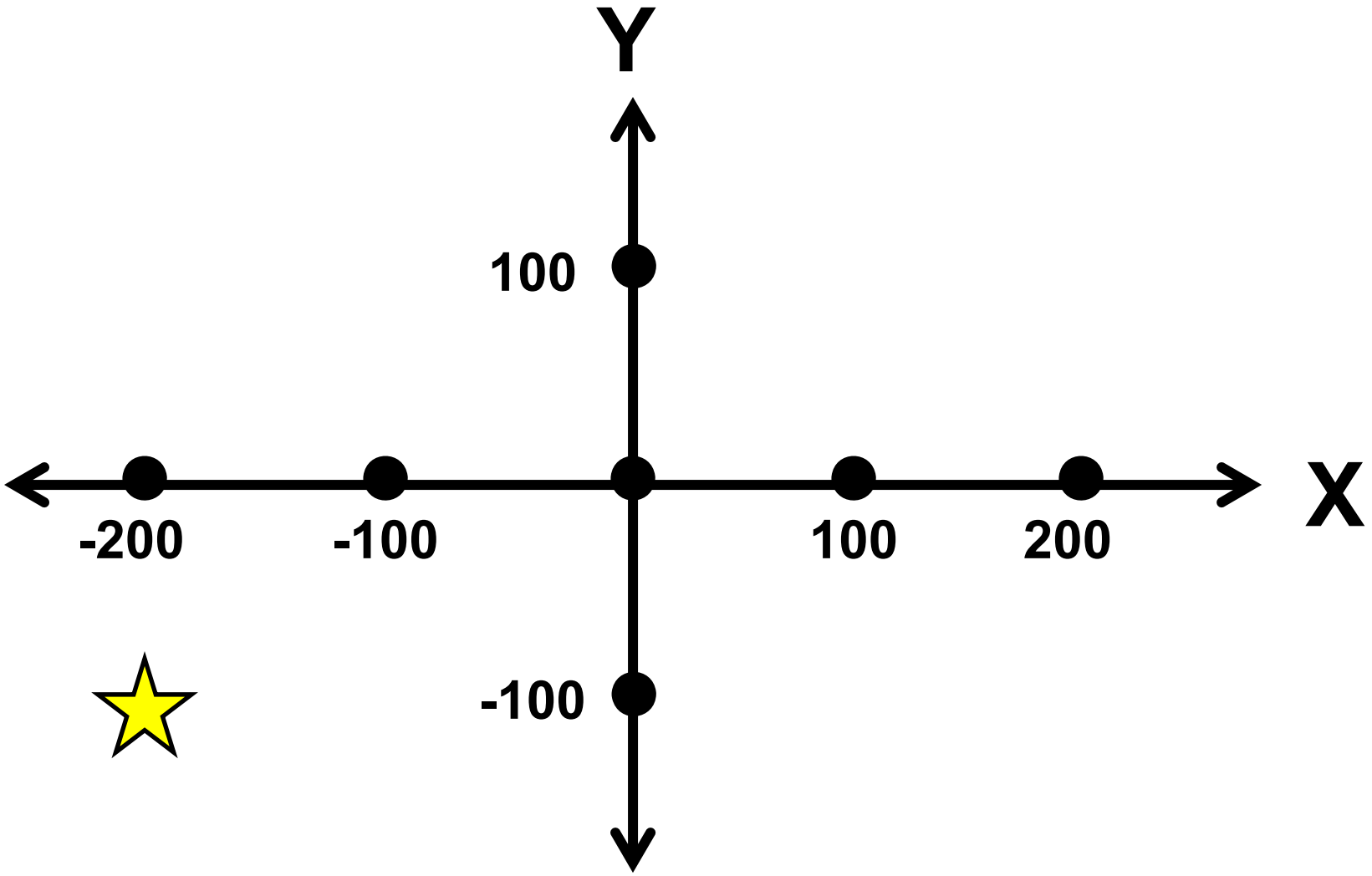
X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X
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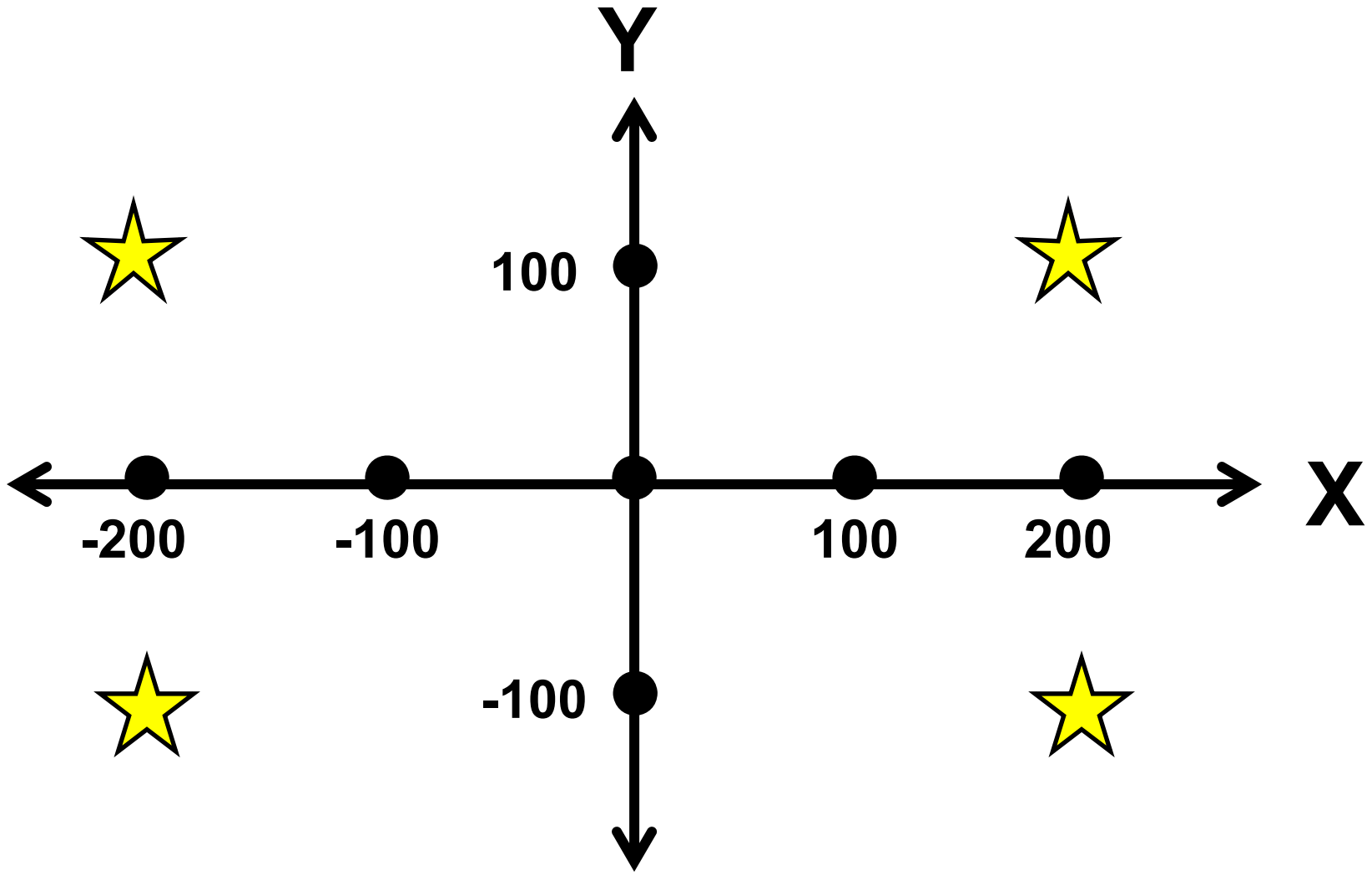
-100
100
200


Y
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X
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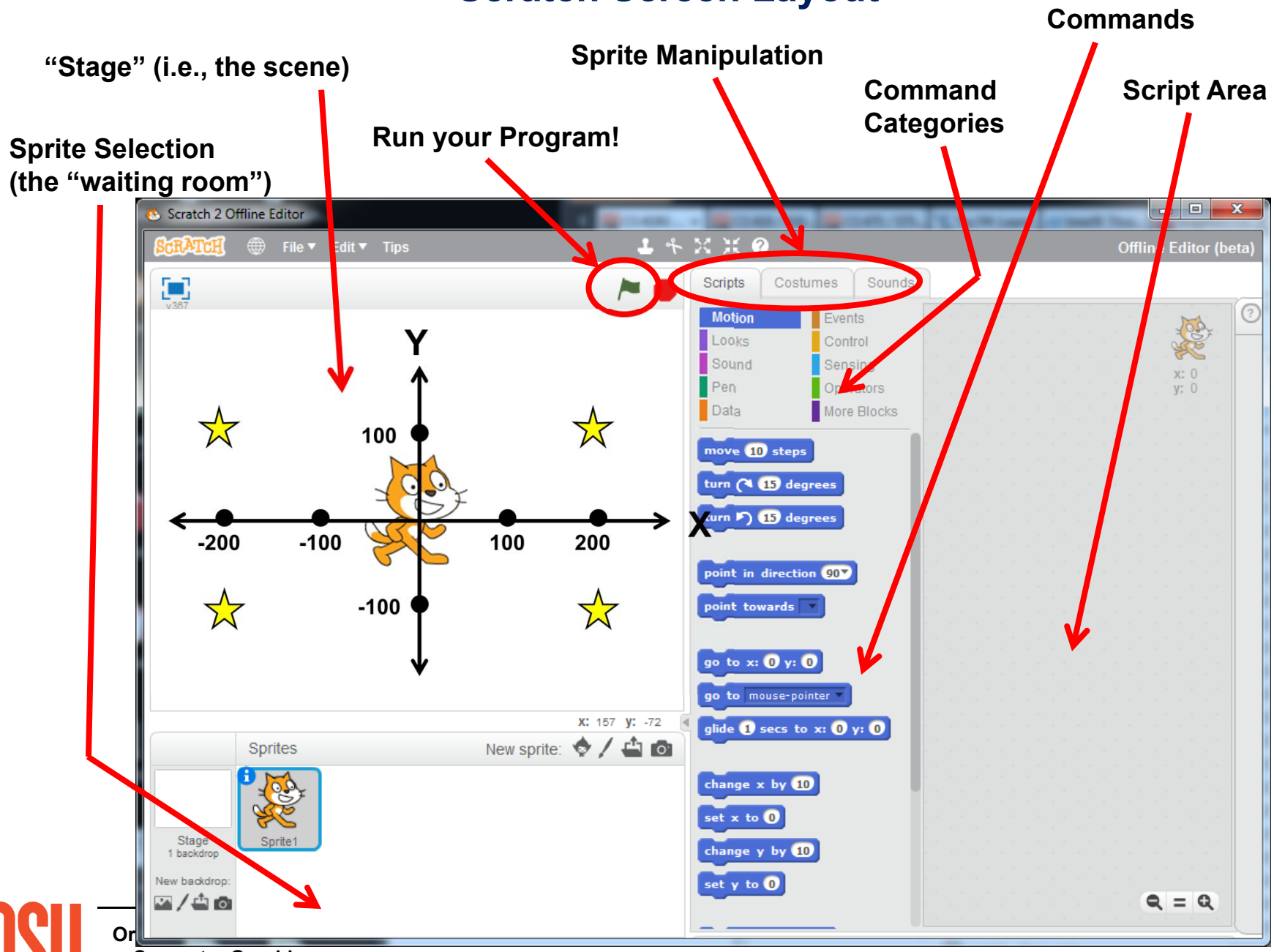
Scratch Screen Layout



A Good Order to Start Doing Things In

1. Green Flag puzzle piece
   3 Glide pieces

2. Additional actors
   3 Glides for each

3. Glides in a forever loop

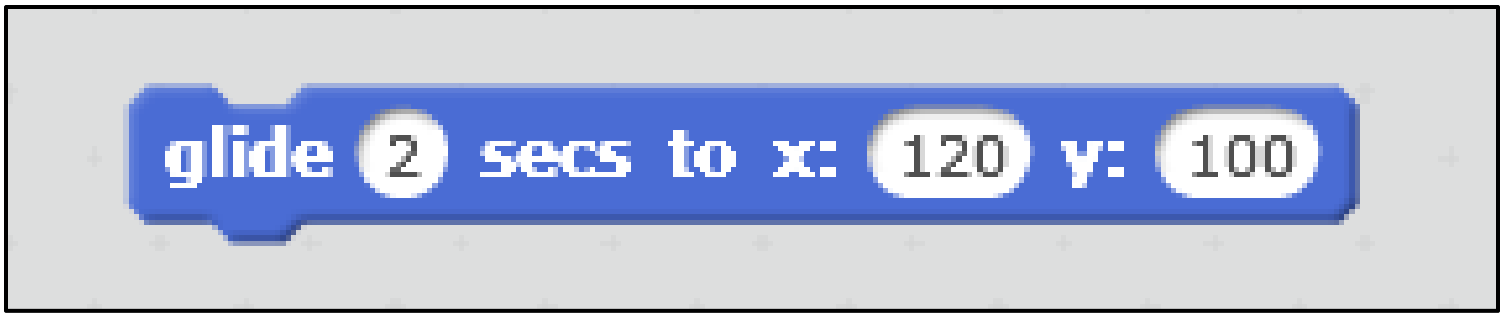
4. Turn (rotate) and Change size

5. Turn (rotate) and Change size in Forever loops

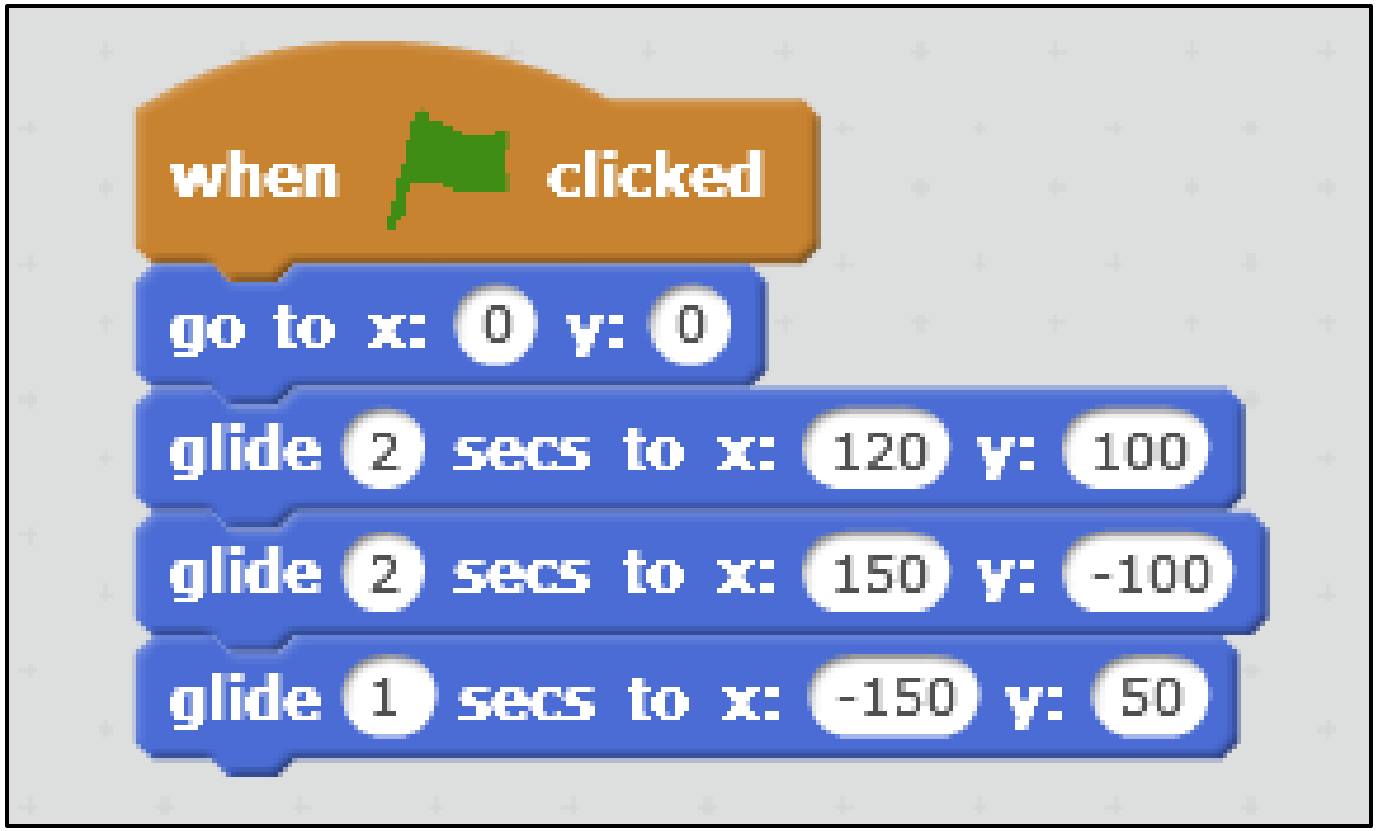
6. Multiple Green Flags

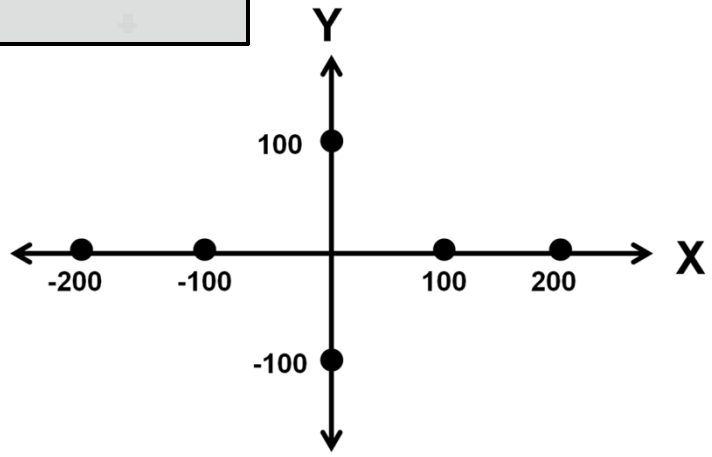
7. Background

8. Sound

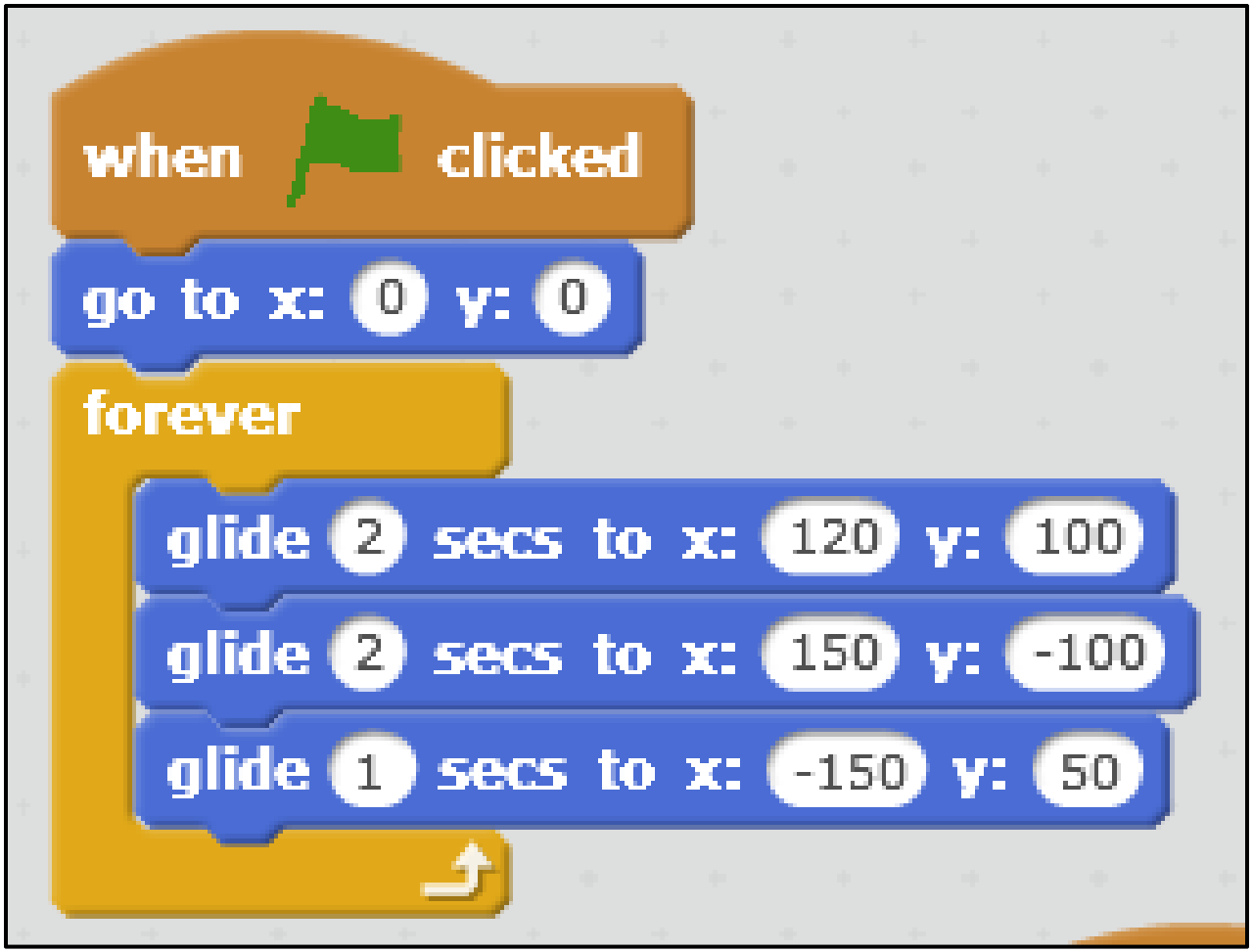

glide 2 secs to x: 120 y: 100

Move an Actor

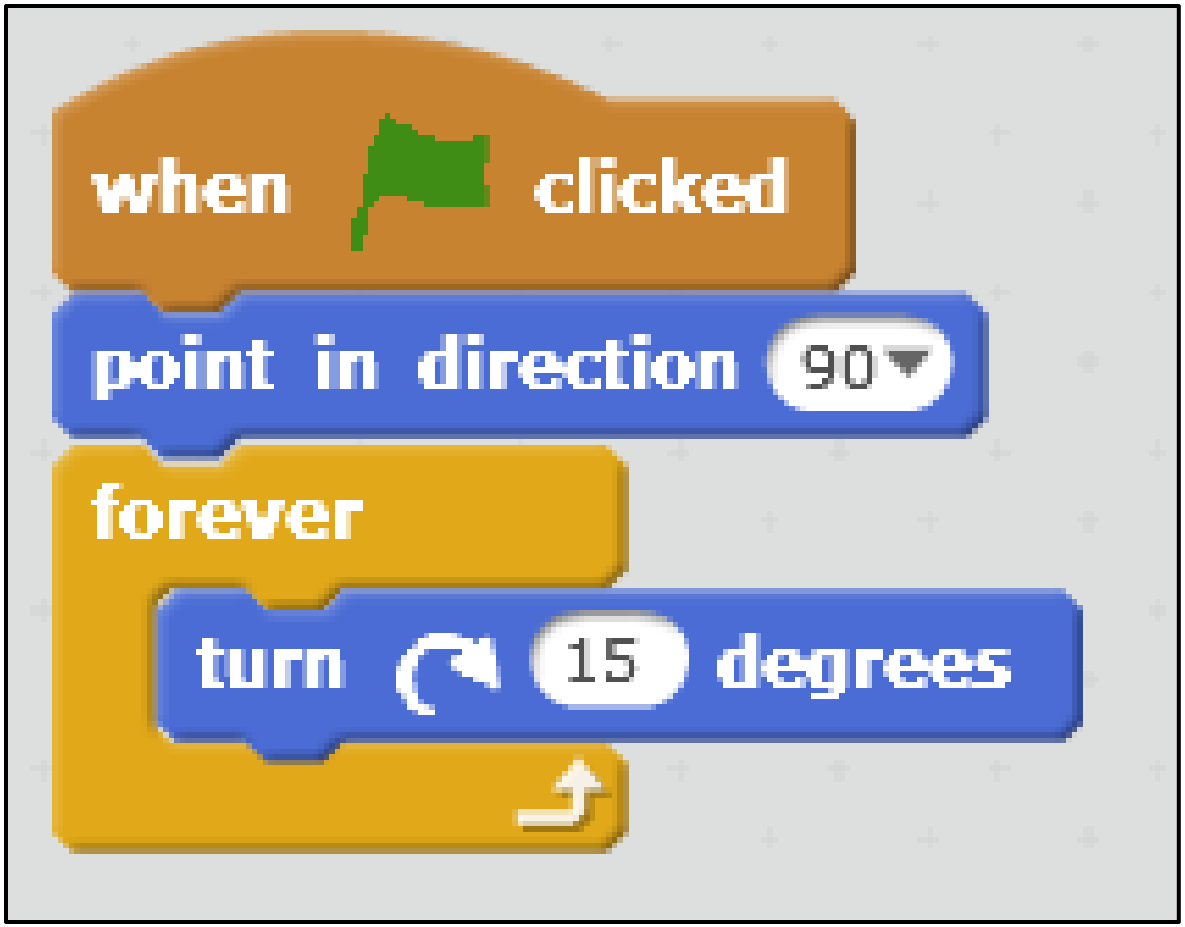




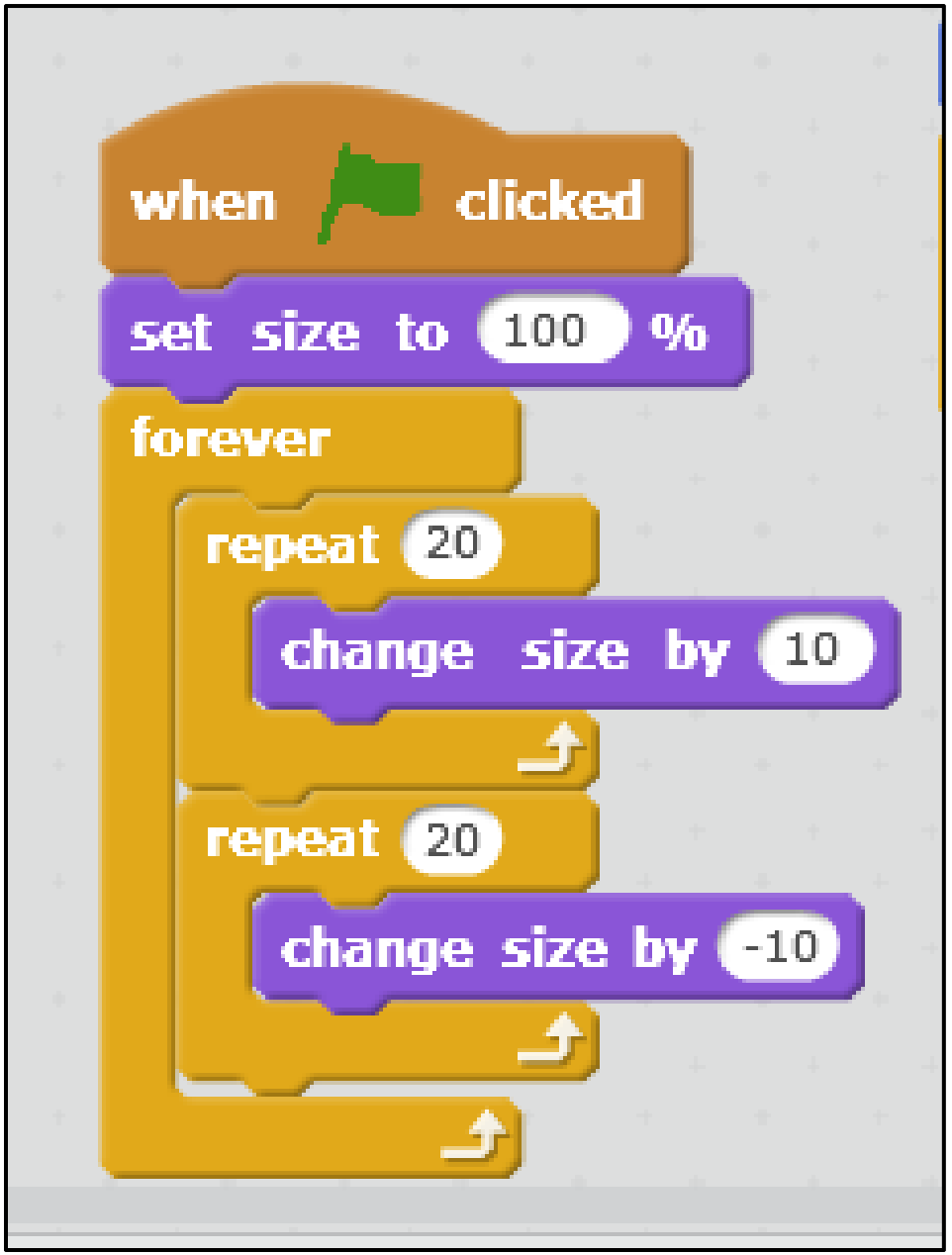
Keep an Actor Moving



Keep an Actor Spinning



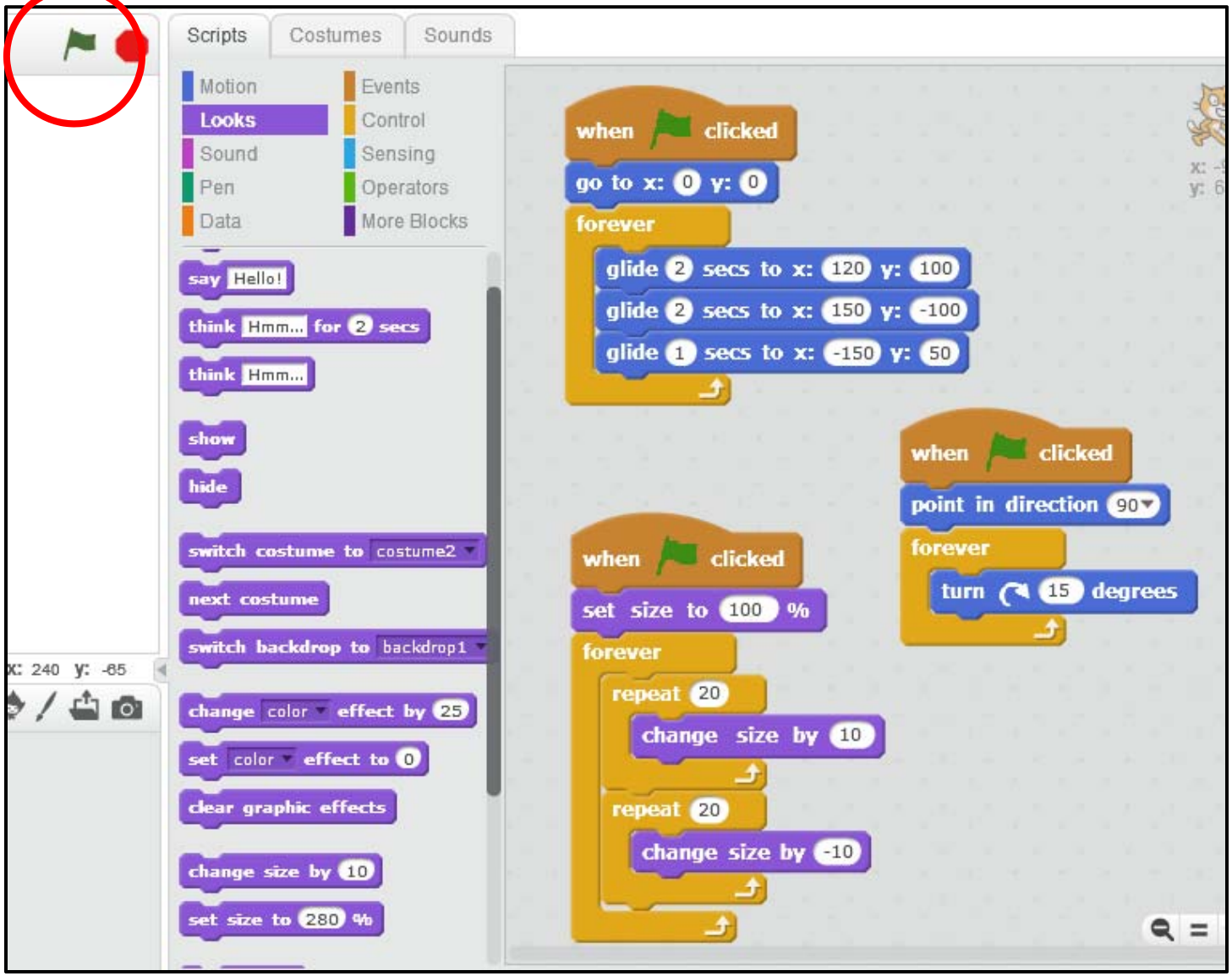
Keep an Actor Changing Size

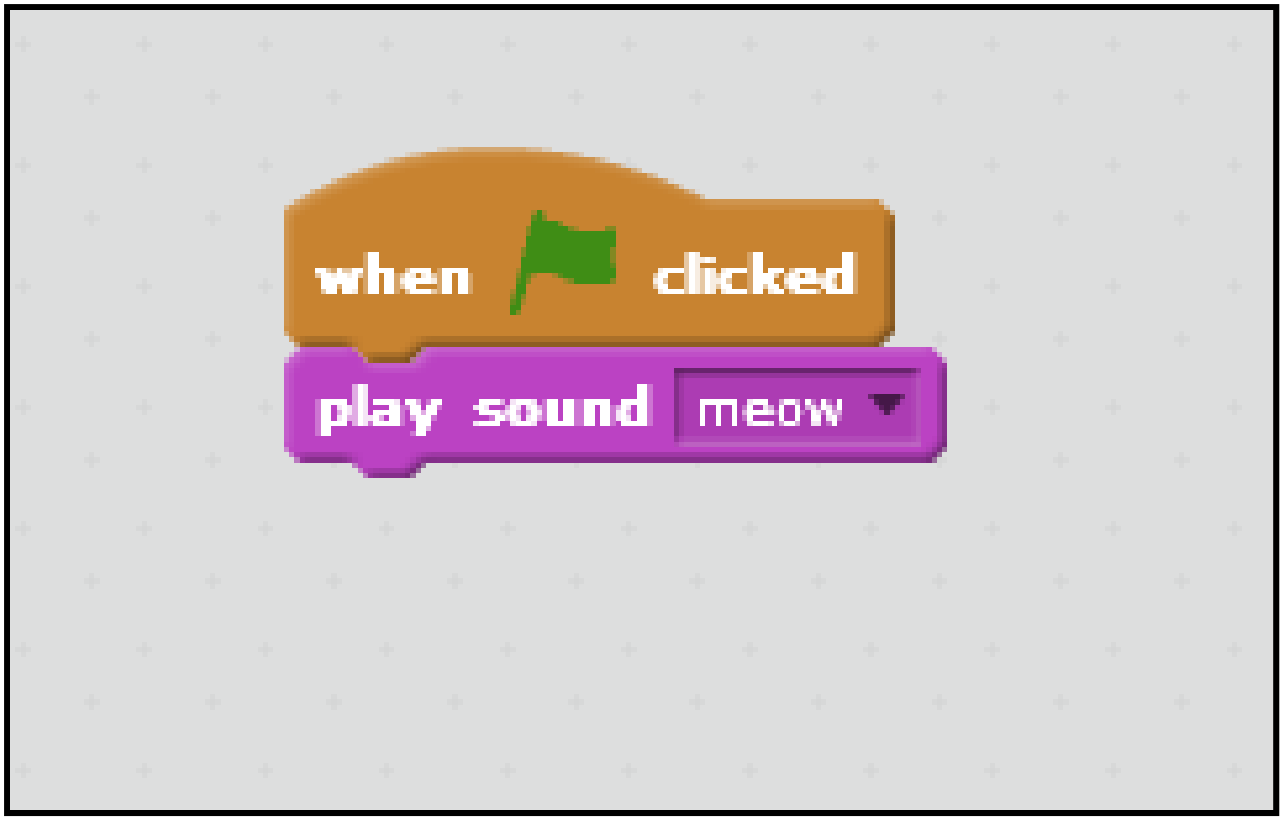


When the Green Flag gets waved, does only one car get to start, or all of them?

http://www.skirtsandscuffs.com/2011_03_01_archive.html

When the Green Flag gets waved, does only one program get to start, or all of them?




when clicked
play sound meow