Modular Robotics

Writing If/Then Statements

Name/Team _____   Date _____

#1 Build, and sketch, the design of a robot using **ONE** Sense and **ONE** Action:

Predict its behavior (cause and effect): _____

_____

If, _____

Then, _____

Which cube(s) were the cause of your robot's behavior? _____

Which cube(s) were the ones exhibiting the effect?

_____

Notes:

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#2 Design of the robot reconfigured:

Predict its behavior (cause and effect): _____

_____

How it is now different: _____

If, _____

Then, _____

Which cube(s) were the cause of your robot's behavior? _____

Which cube(s) were the ones exhibiting the effect?

_____

Notes:

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#3 Design of the robot reconfigured:

Predict its behavior (cause and effect): _____

_____

How it is now different: _____

If, _____

Then, _____

Which cube(s) were the cause of your robot's behavior? _____

Which cube(s) were the ones exhibiting the effect?

_____

Notes:

#4 Build, and sketch, the design of a robot using **TWO** Senses and **ONE** Action:

Predict its behavior (cause and effect): _____

_____

How it is now different: _____

If, _____

Then, _____

Which cube(s) were the cause of your robot's behavior? _____

Which cube(s) were the ones exhibiting the effect?

_____

Notes:

#5 Design of robot #4 reconfigured:

Predict its behavior (cause and effect): _____

_____

How it is now different: _____

If, _____

Then, _____

Which cube(s) were the cause of your robot's behavior? _____

Which cube(s) were the ones exhibiting the effect?

_____

Notes:

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#6 Design of robot #4 reconfigured:

Predict its behavior (cause and effect): _____

_____

How it is now different: _____

If, _____

Then, _____

Which cube(s) were the cause of your robot's behavior? _____

Which cube(s) were the ones exhibiting the effect?

_____

Notes:

#7 Build, and sketch, the design of a robot using **TWO** Senses and **TWO** Actions:

Predict its behavior (cause and effect): _____

_____

How it is now different: _____

If, _____

Then, _____

Which cube(s) were the cause of your robot's behavior? _____

Which cube(s) were the ones exhibiting the effect?

_____

Notes:

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#8 Design of robot #7 reconfigured:

Predict its behavior (cause and effect): _____

_____

How it is now different: _____

If, _____

Then, _____

Which cube(s) were the cause of your robot's behavior? _____

Which cube(s) were the ones exhibiting the effect?

_____

Notes:

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#9 Design of robot #7 reconfigured:

Predict its behavior (cause and effect): _____

_____

How it is now different: _____

If, _____

Then, _____

Which cube(s) were the cause of your robot's behavior? _____

Which cube(s) were the ones exhibiting the effect?

_____

Notes: