

Jeroo Reference Sheet

Action Methods	Boolean Methods	Logical Operators	Relative Directions	Compass Directions
hop()	isWater(relative direction)	! - not	LEFT	NORTH
hop(n)	isNet(relative direction)	&& - and	RIGHT	SOUTH
pick()	isClear(relative direction)	- or	AHEAD	EAST
plant()	isJeroo(relative direction)		HERE	WEST
toss()	isFlower(relative direction)			
turn(direction)	hasFlower()			
give(direction)	isFacing(compass direction)			

Control Structures

Control Structure	Example
<pre>while(condition) { }</pre>	<pre>while(!bob.isWater(AHEAD)) // not water ahead { bob.hop(); }</pre>
<pre>if(condition) { }</pre>	<pre>if(bob.isNet(AHEAD)) { bob.toss(); bob.hop(); }</pre>
<pre>if(condition) // if_else { } else { }</pre>	<pre>if(bob.isFlower(HERE)) { bob.pick(); } else { bob.hop(); }</pre>

Control Structure	Example
<pre> if(condition) // cascading if { } else if(condition) { } else { } </pre>	<pre> if(bob.isNet(AHEAD)) { bob.toss(); } else if(bob.isFlower(AHEAD)) { bob.hop(); bob.pick(); } else { bob.hop(); } </pre>
<pre> if(condition && condition) // and { } </pre>	<pre> if(bob.isFacing(SOUTH) && bob.isWater(AHEAD)) { bob.turn(LEFT); bob.turn(LEFt); } </pre>
<pre> if(condition condition) // or { } else { } </pre>	<pre> if(bob.isWater(AHEAD)) bob.isJeroo(AHEAD)) { bob.turn(RIGHT); bob.hop(8); } else { bob.hop(); } </pre>