Lec 9 AI - Numpy things

Graham Cooper

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From lecture 8 - slide 12

f = np.array([[0.6, 0.4], [0.1, 0.9]);
g = np.array([[0.2, 0.8],[0.3,0.7]]);

a/b	0	1
0	0.6	0.4
1	0.1, 0.9	

b/c	0	1
0	0.2	0.8
1	0.3	0.7

f.reshape(2(A),2(B),1(C))
g.reshape(1(A), 2(B), 2(C))
h = f *g

If we want to see the size of the resulting array, then we call this, gives us the size of each dimension
h.shape()
[2, 2, 2]

We can restrict an array in python f[1,:] - We restrict to dimension 1, and all of the values are considered. The next three lines are equivalent
slc = [slice(none)] * 2
slc[0] = 1
f[slc]