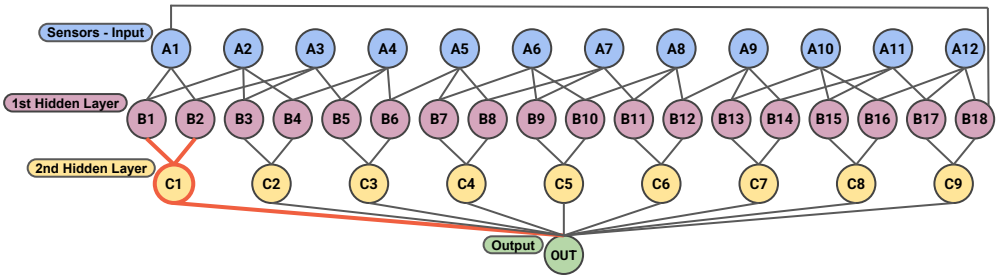
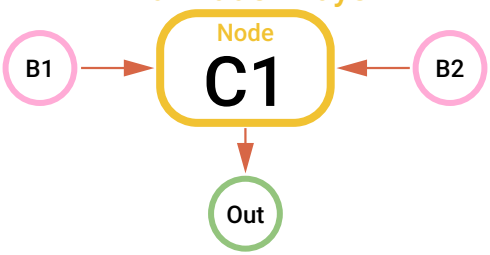
27 Participant - Human Neural Network

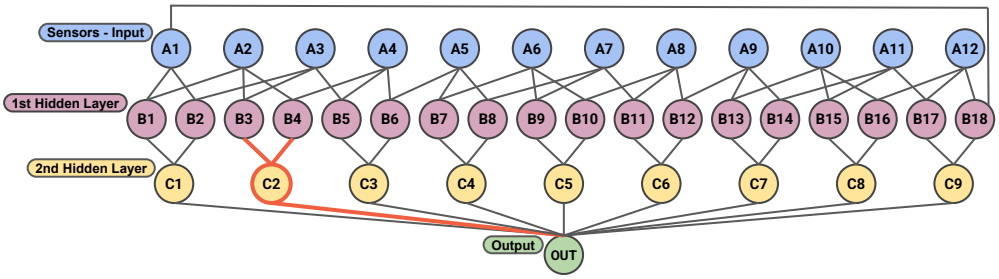


2nd Hidden Layer

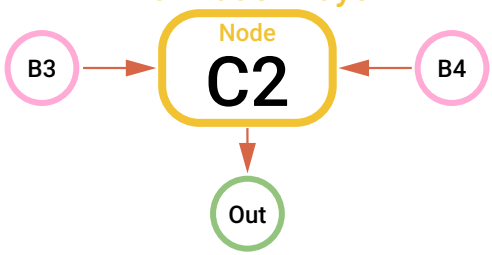


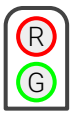
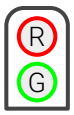
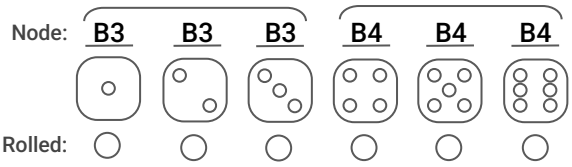
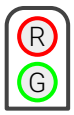
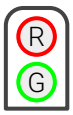
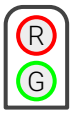
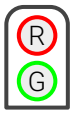
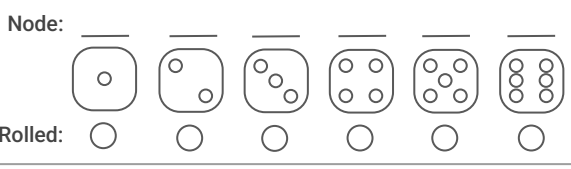
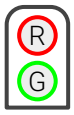
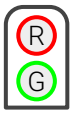
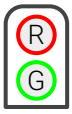
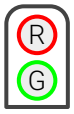
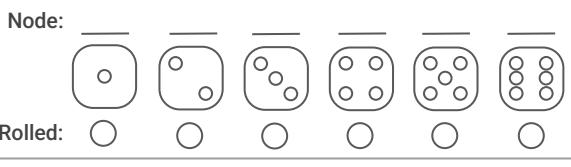
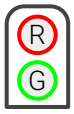
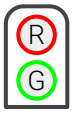
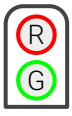
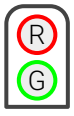
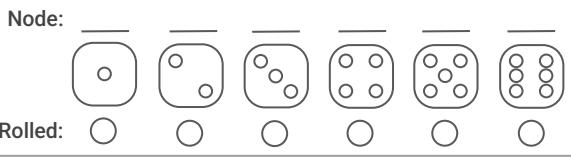
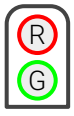
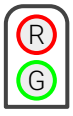
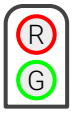
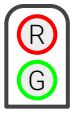
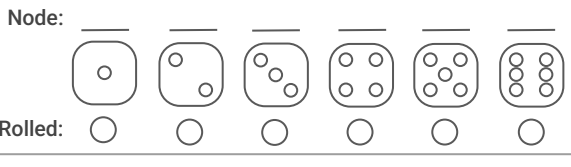
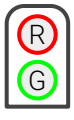
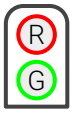
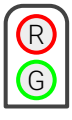
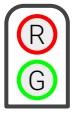
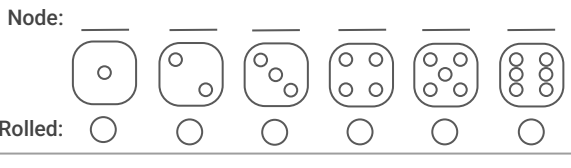
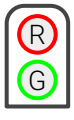
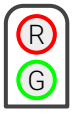
ITERATION	INPUT		PROBABILITY	OUTPUT (me)	VERIFICATION	
#	Node B1	Node B2	Roll the die Bubble the rolled face	Node C1	Traffic Light	Is my node correct?
1	R G	R G	Node: B1 B1 B1 B2 B2 B2 Rolled:	R G	R G	Yes No
2	R G	R G	Node: Rolled:	R G	R G	Yes No
3	R G	R G	Node: Rolled:	R G	R G	Yes No
4	R G	R G	Node: Rolled:	R G	R G	Yes No
5	R G	R G	Node: Rolled:	R G	R G	Yes No
6	R G	R G	Node: Rolled:	R G	R G	Yes No

27 Participant - Human Neural Network

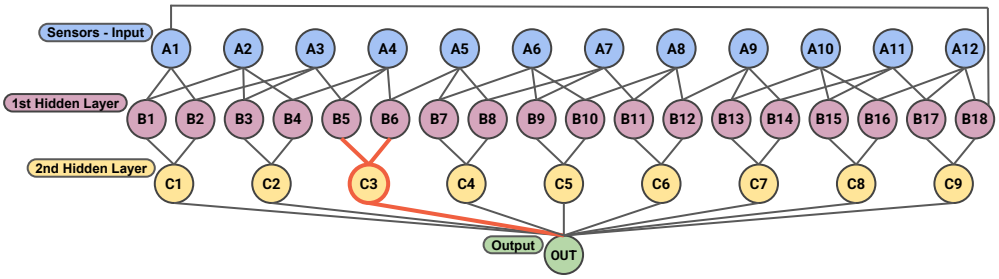


2nd Hidden Layer

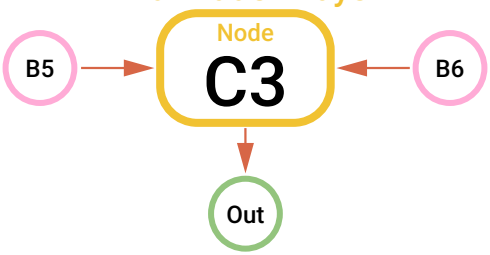


ITERATION	INPUT		PROBABILITY	OUTPUT (me)	VERIFICATION	
#	Node B3	Node B4	Roll the die Bubble the rolled face	Node C2	Traffic Light	Is my node correct?
1						○ Yes ○ No
2						○ Yes ○ No
3						○ Yes ○ No
4						○ Yes ○ No
5						○ Yes ○ No
6						○ Yes ○ No

27 Participant - Human Neural Network

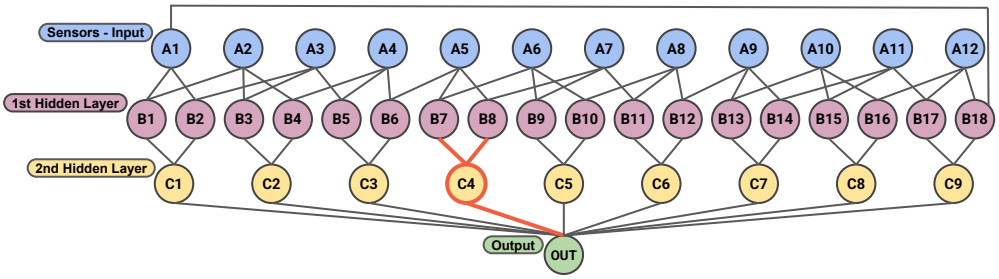


2nd Hidden Layer

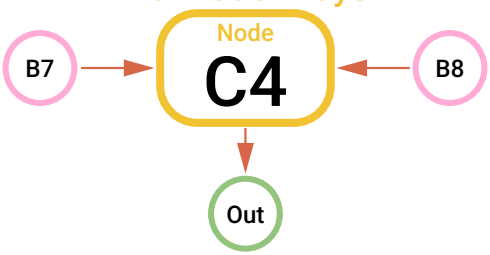


ITERATION	INPUT		PROBABILITY	OUTPUT (me)	VERIFICATION	
#	Node B5	Node B6	Roll the die Bubble the rolled face	Node C3	Traffic Light	Is my node correct?
1	R G	R G	Node: B5 B5 B5 B6 B6 B6 Rolled:	R G	R G	Yes No
2	R G	R G	Node: Rolled:	R G	R G	Yes No
3	R G	R G	Node: Rolled:	R G	R G	Yes No
4	R G	R G	Node: Rolled:	R G	R G	Yes No
5	R G	R G	Node: Rolled:	R G	R G	Yes No
6	R G	R G	Node: Rolled:	R G	R G	Yes No

27 Participant - Human Neural Network

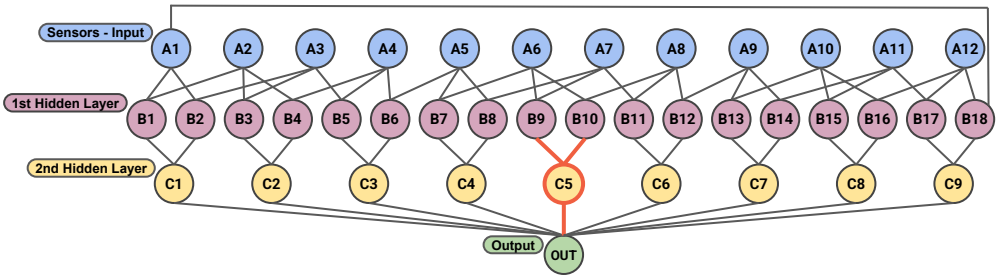


2nd Hidden Layer

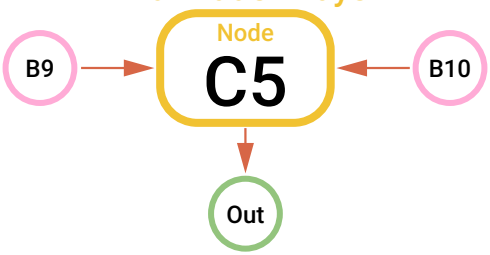


ITERATION	INPUT		PROBABILITY	OUTPUT (me)	VERIFICATION	
#	Node B7	Node B8	Roll the die Bubble the rolled face	Node C4	Traffic Light	Is my node correct?
1	R G	R G	Node: B7 B7 B7 B8 B8 B8 Rolled:	R G	R G	Yes No
2	R G	R G	Node: Rolled:	R G	R G	Yes No
3	R G	R G	Node: Rolled:	R G	R G	Yes No
4	R G	R G	Node: Rolled:	R G	R G	Yes No
5	R G	R G	Node: Rolled:	R G	R G	Yes No
6	R G	R G	Node: Rolled:	R G	R G	Yes No

27 Participant - Human Neural Network

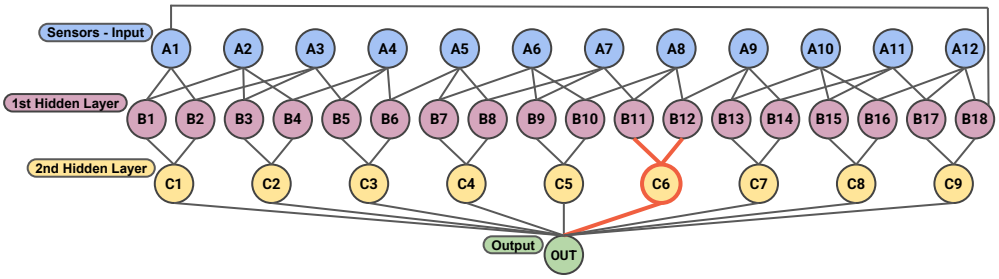


2nd Hidden Layer

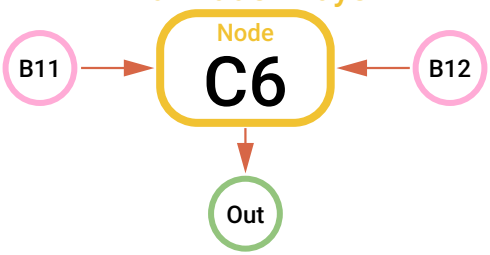


ITERATION	INPUT		PROBABILITY	OUTPUT (me)	VERIFICATION	
#	Node B9	Node B10	Roll the die Bubble the rolled face	Node C5	Traffic Light	Is my node correct?
1	R G	R G	Node: B9 B9 B9 B10 B10 B10 Rolled:	R G	R G	Yes No
2	R G	R G	Node: Rolled:	R G	R G	Yes No
3	R G	R G	Node: Rolled:	R G	R G	Yes No
4	R G	R G	Node: Rolled:	R G	R G	Yes No
5	R G	R G	Node: Rolled:	R G	R G	Yes No
6	R G	R G	Node: Rolled:	R G	R G	Yes No

27 Participant - Human Neural Network

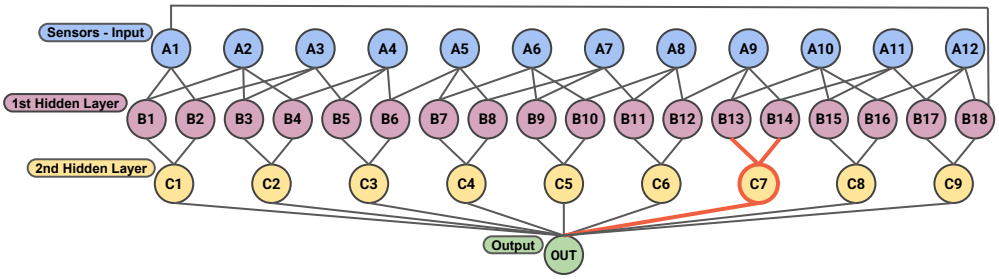


2nd Hidden Layer

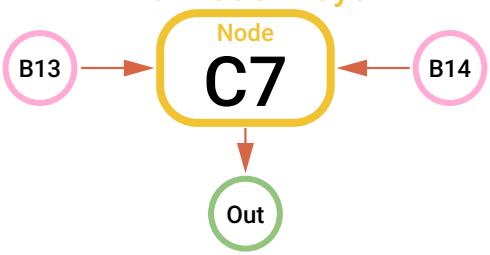


ITERATION	INPUT		PROBABILITY	OUTPUT (me)	VERIFICATION	
#	Node B11	Node B12	Roll the die Bubble the rolled face	Node C6	Traffic Light	Is my node correct?
1	R G	R G	Node: B11 B11 B11 B12 B12 B12 Rolled:	R G	R G	Yes No
2	R G	R G	Node: Rolled:	R G	R G	Yes No
3	R G	R G	Node: Rolled:	R G	R G	Yes No
4	R G	R G	Node: Rolled:	R G	R G	Yes No
5	R G	R G	Node: Rolled:	R G	R G	Yes No
6	R G	R G	Node: Rolled:	R G	R G	Yes No

27 Participant - Human Neural Network

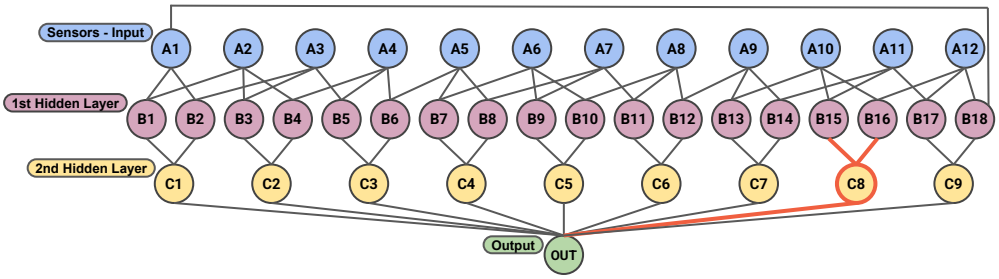


2nd Hidden Layer

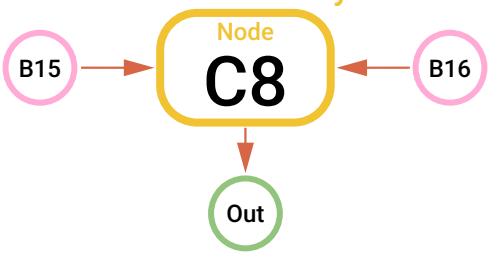


ITERATION	INPUT		PROBABILITY	OUTPUT (me)	VERIFICATION	
#	Node B13	Node B14	Roll the die Bubble the rolled face	Node C7	Traffic Light	Is my node correct?
1	R G	R G	Node: B13 B13 B13 B14 B14 B14 Rolled:	R G	R G	Yes No
2	R G	R G	Node: Rolled:	R G	R G	Yes No
3	R G	R G	Node: Rolled:	R G	R G	Yes No
4	R G	R G	Node: Rolled:	R G	R G	Yes No
5	R G	R G	Node: Rolled:	R G	R G	Yes No
6	R G	R G	Node: Rolled:	R G	R G	Yes No

27 Participant - Human Neural Network

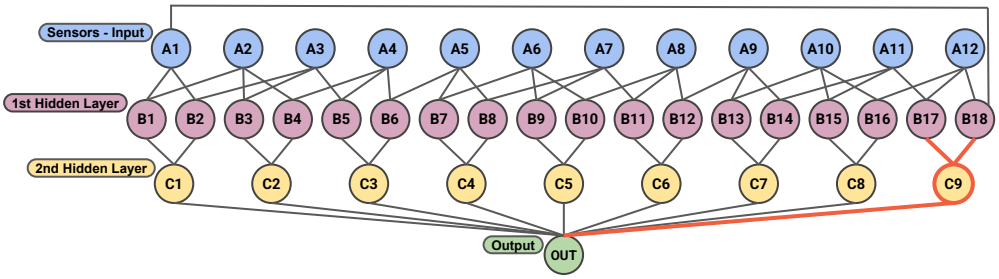


2nd Hidden Layer

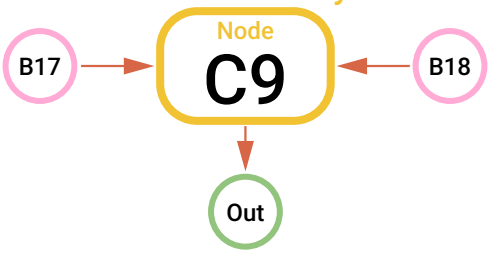


ITERATION	INPUT		PROBABILITY	OUTPUT (me)	VERIFICATION	
#	Node B15	Node B16	Roll the die Bubble the rolled face	Node C8	Traffic Light	Is my node correct?
1	R G	R G	Node: B15 B15 B15 B16 B16 B16 Rolled:	R G	R G	Yes No
2	R G	R G	Node: Rolled:	R G	R G	Yes No
3	R G	R G	Node: Rolled:	R G	R G	Yes No
4	R G	R G	Node: Rolled:	R G	R G	Yes No
5	R G	R G	Node: Rolled:	R G	R G	Yes No
6	R G	R G	Node: Rolled:	R G	R G	Yes No

27 Participant - Human Neural Network



2nd Hidden Layer



ITERATION	INPUT		PROBABILITY	OUTPUT (me)	VERIFICATION	
#	Node B17	Node B18	Roll the die Bubble the rolled face	Node C9	Traffic Light	Is my node correct?
1	R G	R G	Node: B17 B17 B17 B18 B18 B18 Rolled:	R G	R G	Yes No
2	R G	R G	Node: Rolled:	R G	R G	Yes No
3	R G	R G	Node: Rolled:	R G	R G	Yes No
4	R G	R G	Node: Rolled:	R G	R G	Yes No
5	R G	R G	Node: Rolled:	R G	R G	Yes No
6	R G	R G	Node: Rolled:	R G	R G	Yes No

STAGE ONE EDUCATION

Hands-on Engineering Workshops

27 Participant Human Neural Network

2nd Hidden Layer

You must also use the nodes in the first hidden layer