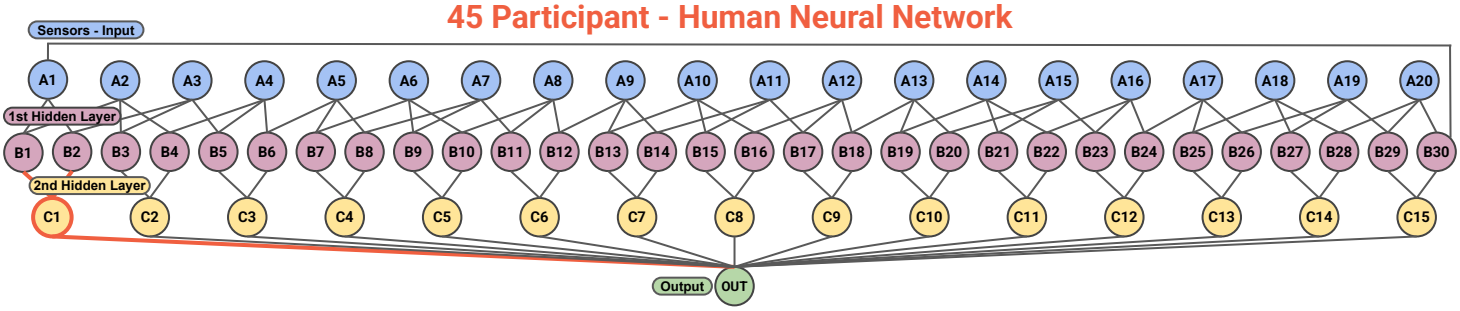
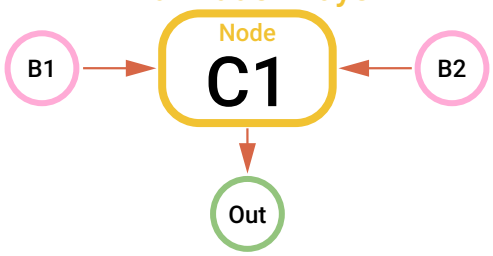
45 Participant - Human Neural Network

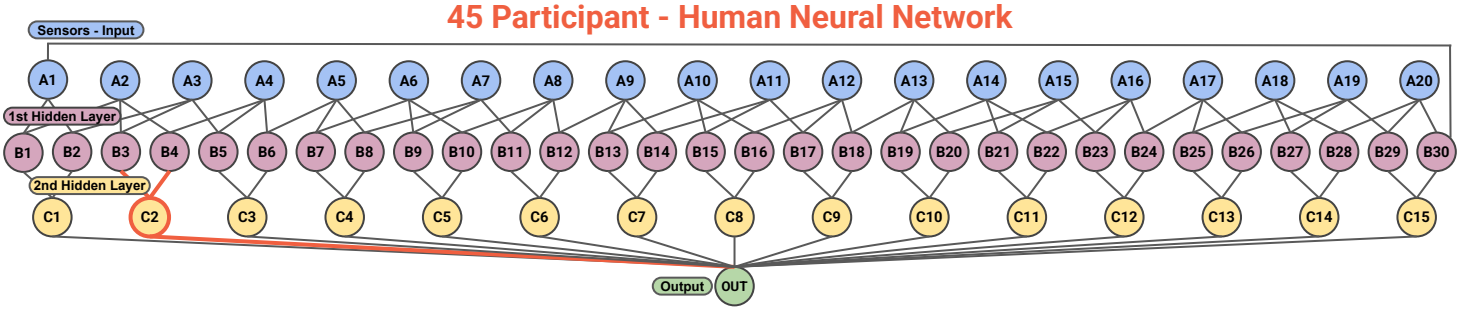


2nd Hidden Layer



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

45 Participant - Human Neural Network



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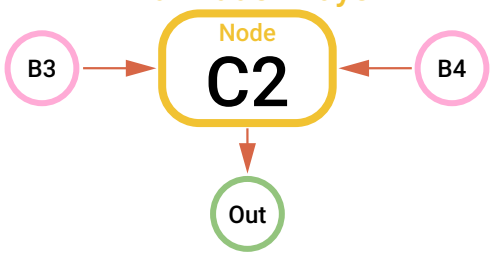
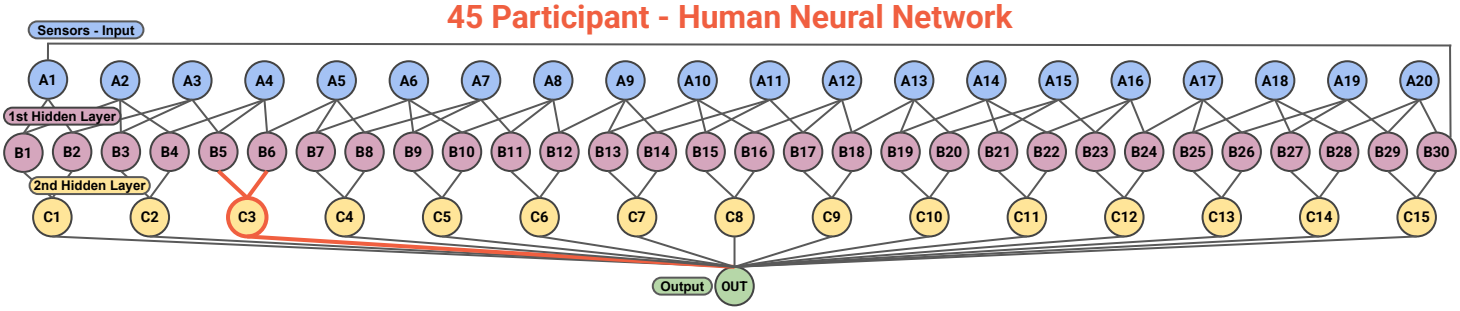


ITERATION	INPUT		PROBABILITY	OUTPUT (me)	VERIFICATION	
#	Node B3	Node B4	Roll the die Bubble the rolled face	Node C2	Traffic Light	Is my node correct?
1	R G	R G	Node: B3 B3 B3 B4 B4 B4 Rolled:	R G	R G	Yes No
2	R G	R G	Node: Rolled:	R G	R G	Yes No
3	R G	R G	Node: Rolled:	R G	R G	Yes No
4	R G	R G	Node: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

45 Participant - Human Neural Network



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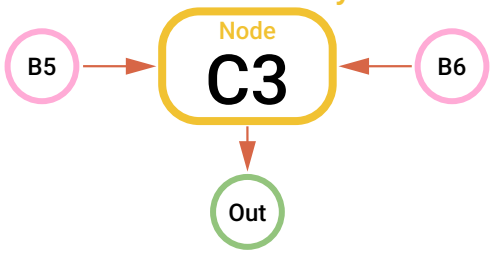
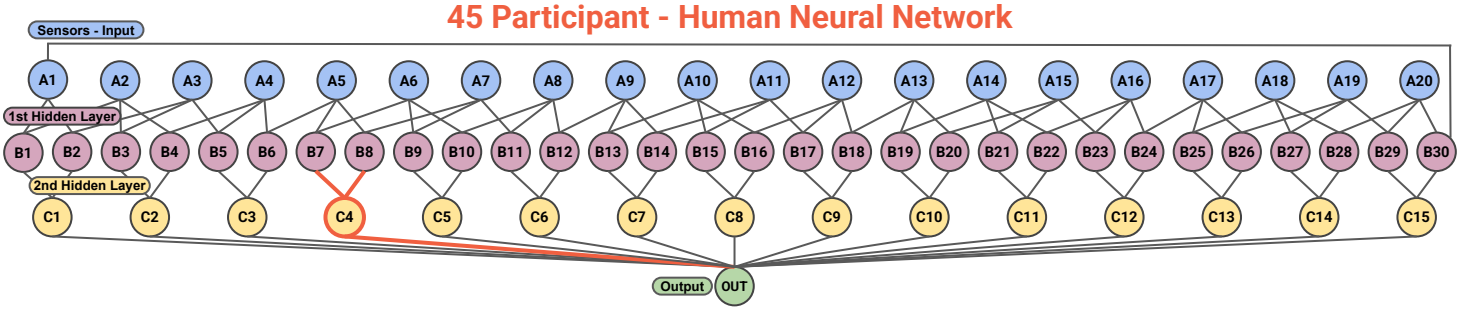


ITERATION	INPUT		PROBABILITY	OUTPUT (me)	VERIFICATION	
#	Node B5	Node B6	Roll the die Bubble the rolled face	Node C3	Traffic Light	Is my node correct?
1	R G	R G	Node: B5 B5 B5 B6 B6 B6 Rolled:	R G	R G	Yes No
2	R G	R G	Node: Rolled:	R G	R G	Yes No
3	R G	R G	Node: Rolled:	R G	R G	Yes No
4	R G	R G	Node: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

45 Participant - Human Neural Network



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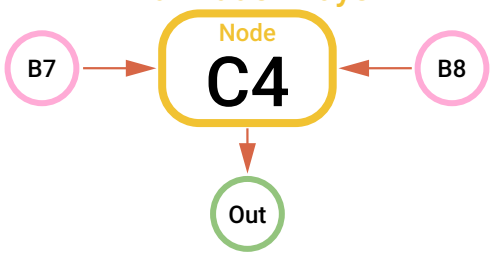
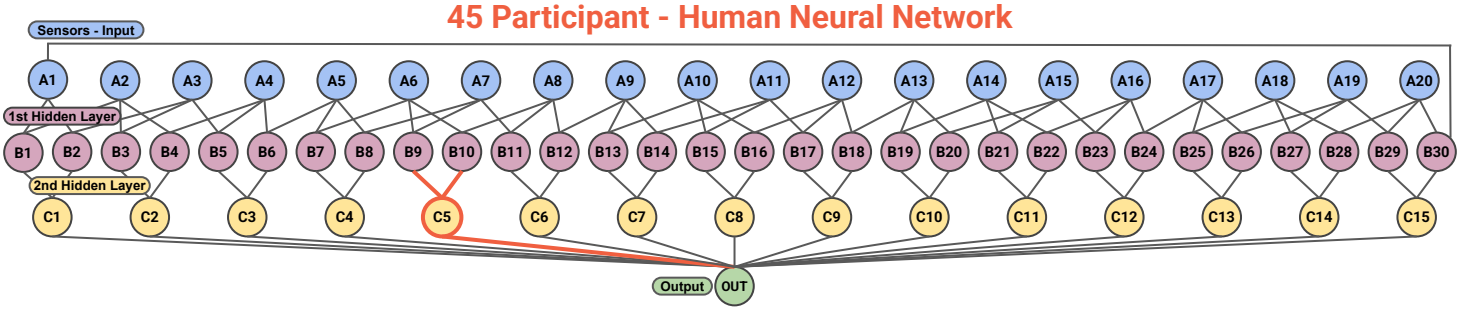


ITERATION	INPUT		PROBABILITY	OUTPUT (me)	VERIFICATION	
#	Node B7	Node B8	Roll the die Bubble the rolled face	Node C4	Traffic Light	Is my node correct?
1	R G	R G	Node: B7 B7 B7 B8 B8 B8 Rolled:	R G	R G	Yes No
2	R G	R G	Node: Rolled:	R G	R G	Yes No
3	R G	R G	Node: Rolled:	R G	R G	Yes No
4	R G	R G	Node: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

45 Participant - Human Neural Network



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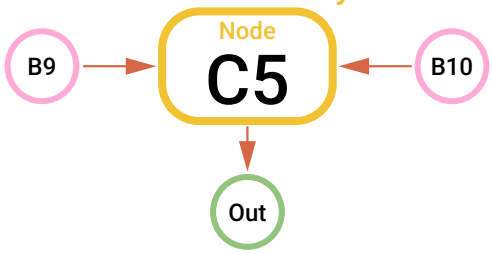
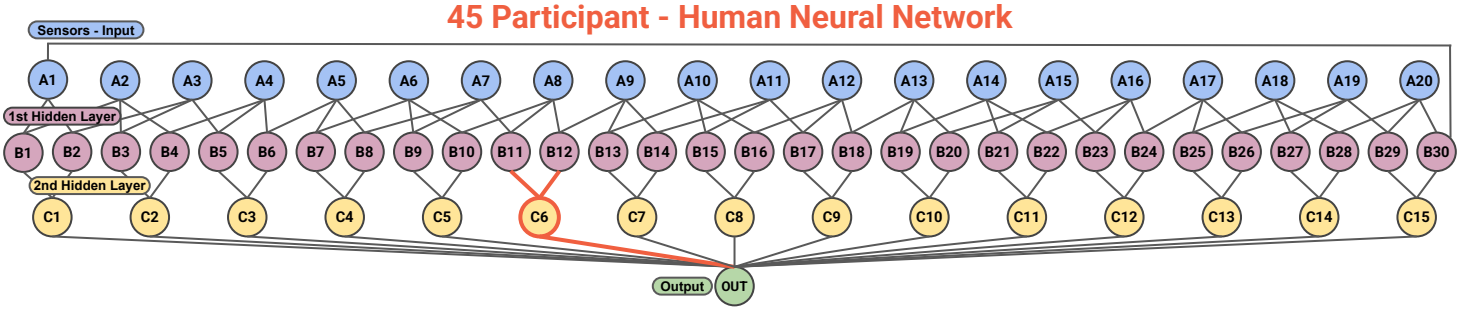


ITERATION	INPUT		PROBABILITY	OUTPUT (me)	VERIFICATION	
#	Node B9	Node B10	Roll the die Bubble the rolled face	Node C5	Traffic Light	Is my node correct?
1	R G	R G	Node: B9 B9 B9 B10 B10 B10 Rolled:	R G	R G	Yes No
2	R G	R G	Node: Rolled:	R G	R G	Yes No
3	R G	R G	Node: Rolled:	R G	R G	Yes No
4	R G	R G	Node: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

45 Participant - Human Neural Network



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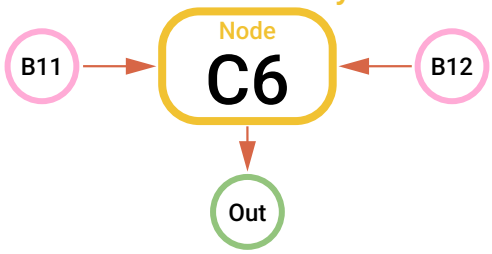
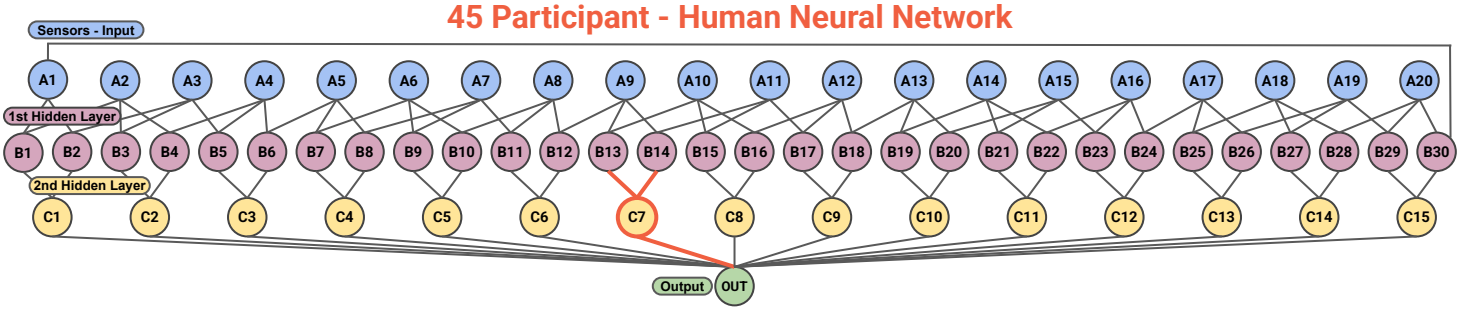


ITERATION	INPUT		PROBABILITY	OUTPUT (me)	VERIFICATION	
#	Node B11	Node B12	Roll the die Bubble the rolled face	Node C6	Traffic Light	Is my node correct?
1	R G	R G	Node: B11 B11 B11 B12 B12 B12 Rolled:	R G	R G	Yes No
2	R G	R G	Node: Rolled:	R G	R G	Yes No
3	R G	R G	Node: Rolled:	R G	R G	Yes No
4	R G	R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

45 Participant - Human Neural Network



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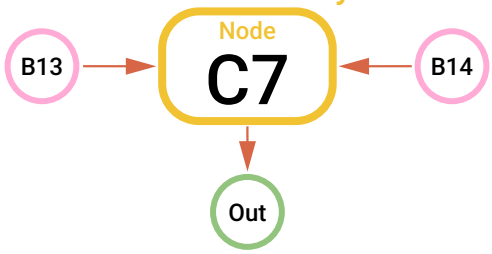
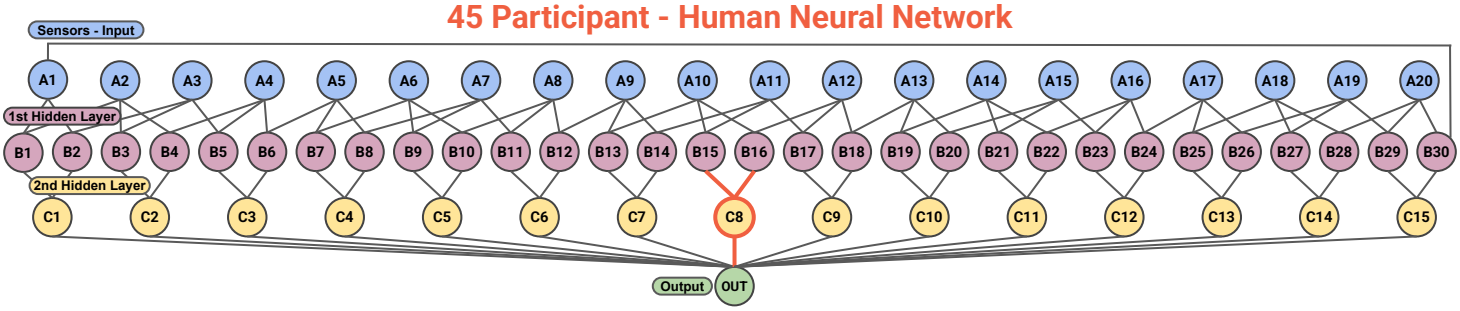


ITERATION	INPUT		PROBABILITY	OUTPUT (me)	VERIFICATION	
#	Node B13	Node B14	Roll the die Bubble the rolled face	Node C7	Traffic Light	Is my node correct?
1	R G	R G	Node: B13 B13 B13 B14 B14 B14 Rolled:	R G	R G	Yes No
2	R G	R G	Node: Rolled:	R G	R G	Yes No
3	R G	R G	Node: Rolled:	R G	R G	Yes No
4	R G	R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

45 Participant - Human Neural Network



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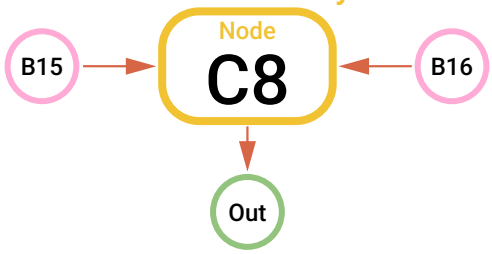
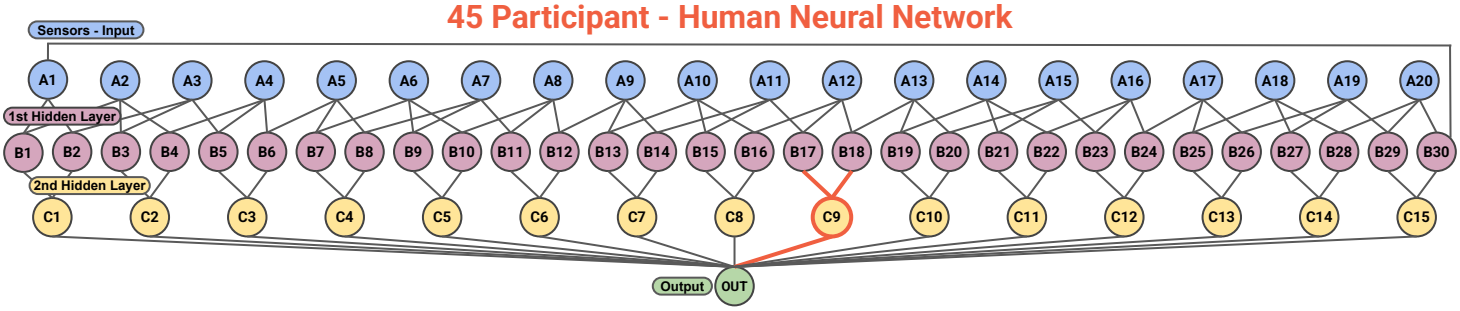


ITERATION	INPUT		PROBABILITY	OUTPUT (me)	VERIFICATION	
#	Node B15	Node B16	Roll the die Bubble the rolled face	Node C8	Traffic Light	Is my node correct?
1	R G	R G	Node: B15 B15 B15 B16 B16 B16 Rolled:	R G	R G	Yes No
2	R G	R G	Node: Rolled:	R G	R G	Yes No
3	R G	R G	Node: Rolled:	R G	R G	Yes No
4	R G	R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

45 Participant - Human Neural Network



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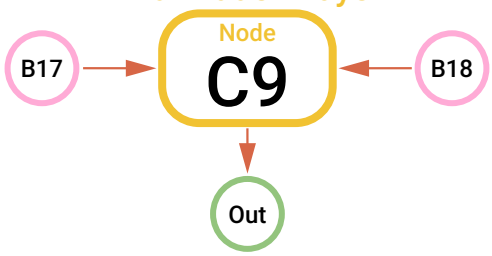
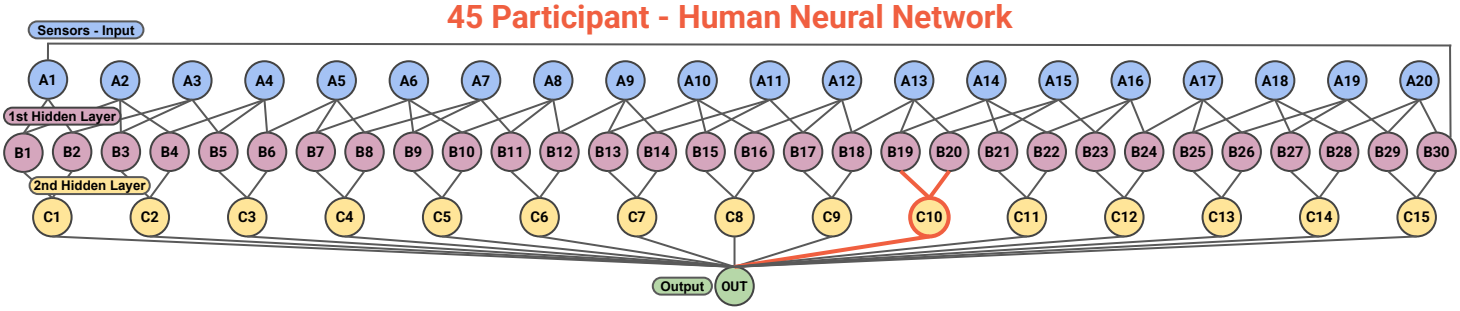
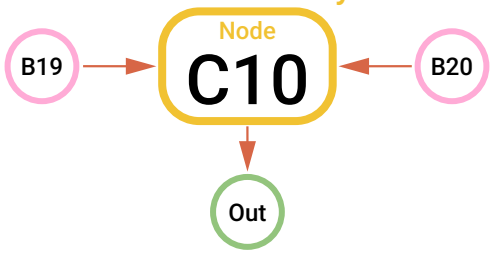


ITERATION	INPUT		PROBABILITY	OUTPUT (me)	VERIFICATION	
#	Node B17	Node B18	Roll the die Bubble the rolled face	Node C9	Traffic Light	Is my node correct?
1	R G	R G	Node: B17 B17 B17 B18 B18 B18 Rolled:	R G	R G	Yes No
2	R G	R G	Node: Rolled:	R G	R G	Yes No
3	R G	R G	Node: Rolled:	R G	R G	Yes No
4	R G	R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

45 Participant - Human Neural Network

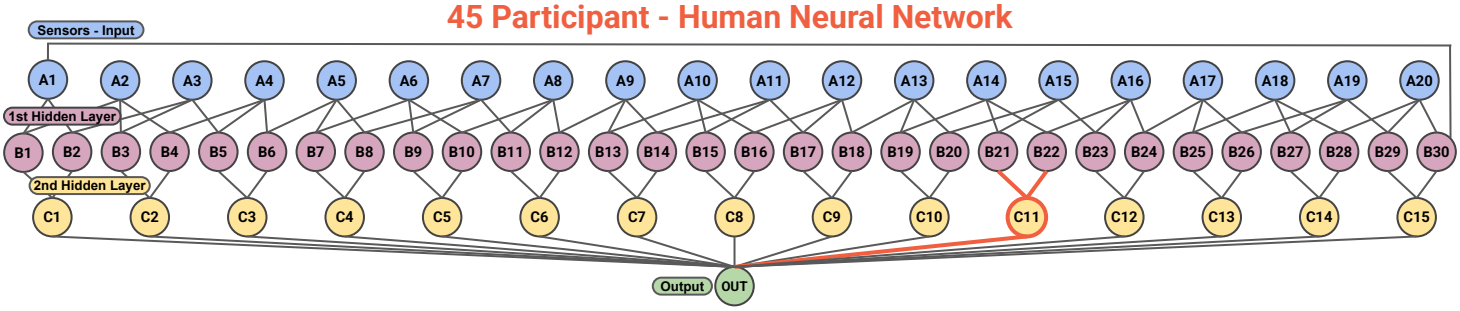


2nd Hidden Layer



ITERATION	INPUT		PROBABILITY	OUTPUT (me)	VERIFICATION	
#	Node B19	Node B20	Roll the die Bubble the rolled face	Node C10	Traffic Light	Is my node correct?
1	R G	R G	Node: B19 B19 B19 B20 B20 B20 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

45 Participant - Human Neural Network



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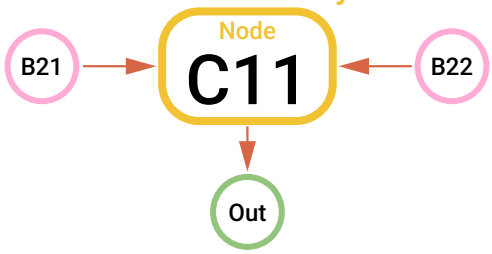
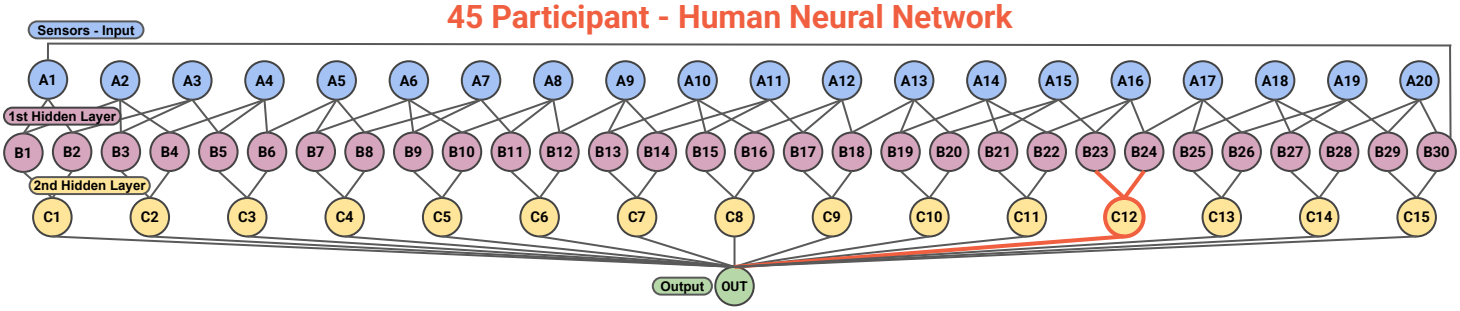
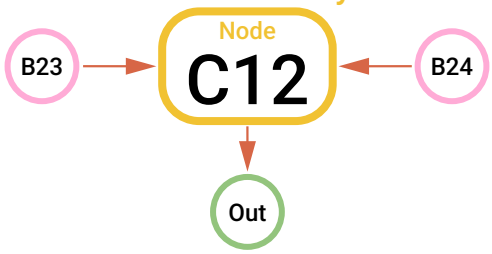


ITERATION	INPUT		PROBABILITY	OUTPUT (me)	VERIFICATION	
#	Node B21	Node B22	Roll the die Bubble the rolled face	Node C11	Traffic Light	Is my node correct?
1	R G	R G	Node: B21 B21 B21 B22 B22 B22 Rolled: 1 2 3 4 5 6	R G	R G	Yes No
2	R G	R G	Node: Rolled: 1 2 3 4 5 6	R G	R G	Yes No
3	R G	R G	Node: Rolled: 1 2 3 4 5 6	R G	R G	Yes No
4	R G	R G	Node: Rolled: 1 2 3 4 5 6	R G	R G	Yes No
5	R G	R G	Node: Rolled: 1 2 3 4 5 6	R G	R G	Yes No
6	R G	R G	Node: Rolled: 1 2 3 4 5 6	R G	R G	Yes No

45 Participant - Human Neural Network

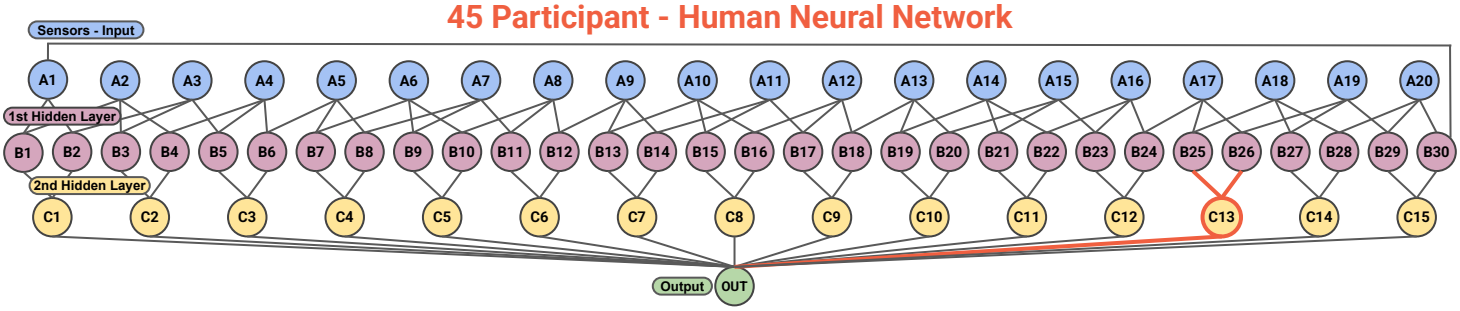


2nd Hidden Layer

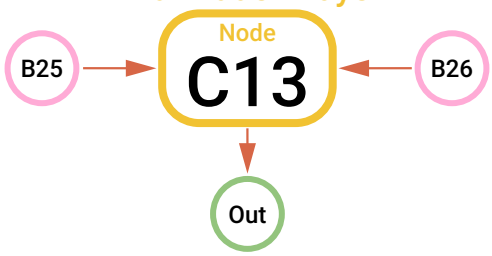


ITERATION	INPUT		PROBABILITY	OUTPUT (me)	VERIFICATION	
#	Node B23	Node B24	Roll the die Bubble the rolled face	Node C12	Traffic Light	Is my node correct?
1	R G	R G	Node: B23 B23 B23 B24 B24 B24 Rolled:	R G	R G	Yes No
2	R G	R G	Node: Rolled:	R G	R G	Yes No
3	R G	R G	Node: Rolled:	R G	R G	Yes No
4	R G	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

45 Participant - Human Neural Network

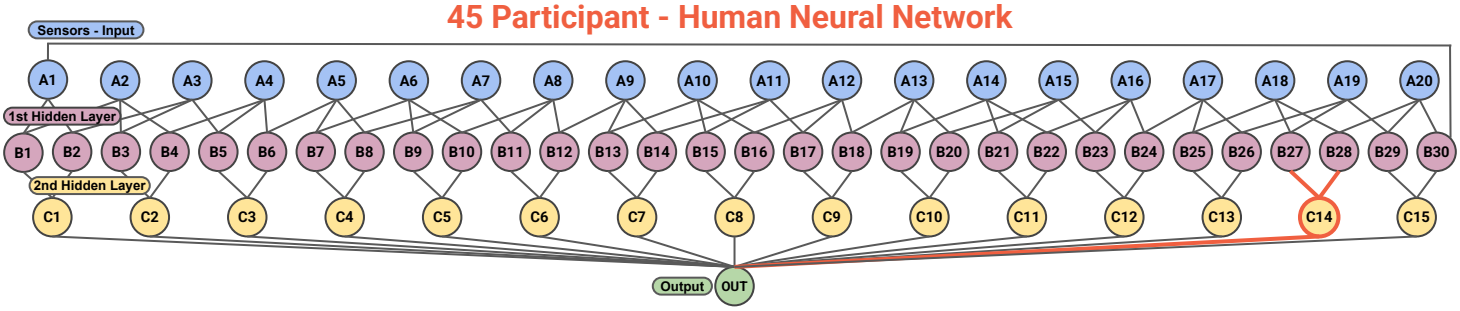


2nd Hidden Layer

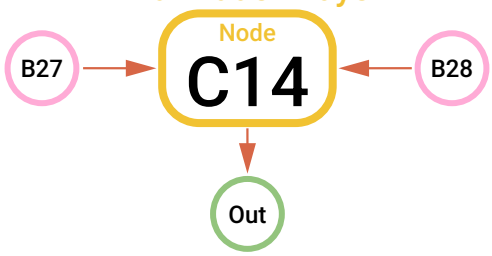


ITERATION	INPUT		PROBABILITY	OUTPUT (me)	VERIFICATION	
#	Node B25	Node B26	Roll the die Bubble the rolled face	Node C13	Traffic Light	Is my node correct?
1	R G	R G	Node: B25 B25 B25 B26 B26 B26 Rolled:	R G	R G	Yes No
2	R G	R G	Node: Rolled:	R G	R G	Yes No
3	R G	R G	Node: Rolled:	R G	R G	Yes No
4	R G	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

45 Participant - Human Neural Network

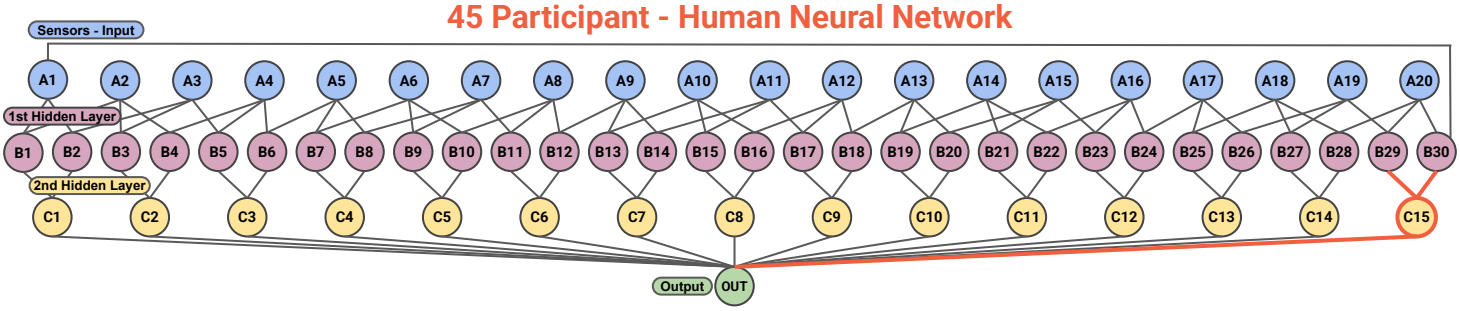


2nd Hidden Layer

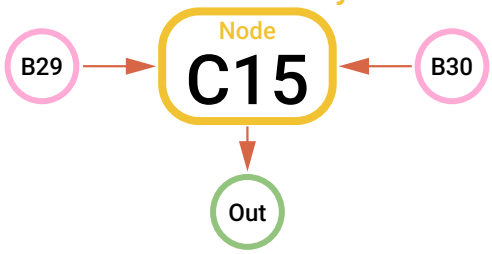


ITERATION	INPUT		PROBABILITY	OUTPUT (me)	VERIFICATION	
#	Node B27	Node B28	Roll the die Bubble the rolled face	Node C14	Traffic Light	Is my node correct?
1	R G	R G	Node: B27 B27 B27 B28 B28 B28 Rolled:	R G	R G	Yes No
2	R G	R G	Node: Rolled:	R G	R G	Yes No
3	R G	R G	Node: Rolled:	R G	R G	Yes No
4	R G	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

45 Participant - Human Neural Network



2nd Hidden Layer



ITERATION	INPUT		PROBABILITY	OUTPUT (me)	VERIFICATION	
#	Node B29	Node B30	Roll the die Bubble the rolled face	Node C15	Traffic Light	Is my node correct?
1	R G	R G	Node: B29 B29 B29 B30 B30 B30 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

45 Participant Human Neural Network

2nd Hidden Layer

You must also use the nodes in the first hidden layer