1.

Network with sparse connectivity, some input to neurons with colossal projections and some input to inhibitory neurons.

Task 1:

stim range: 0.0 - 0.8

one stimulus is larger than the other -> output(stronger stim) = 1 and output(weaker stim) = 0

both stimuli are equal -> the network randomly chooses either one or the other output

When both stimuli = 0 -> both output go to 0

2.

Network with sparse connectivity, no input to neurons with colossal projections, some input to inhibitory neurons.

Task 1.