Samson Nguyen 1001496565 CSE 4392 Assignment 2

## Task 3

b = -2

 $w_1 = 1$ 

 $w_2 = 1$ 

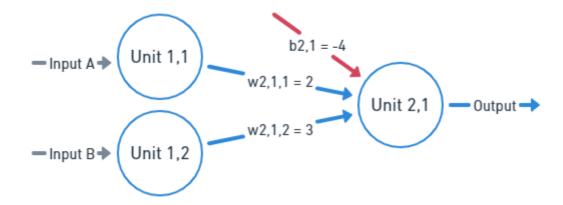
 $w_3 = 1$ 

## Task 4

b = -4

 $w_1 = 2$ 

 $w_2 = 3$ 



## Task 5

Yes, it is possible to design a neural network that satisfies (1 if 3 < X < 7 else 0).

