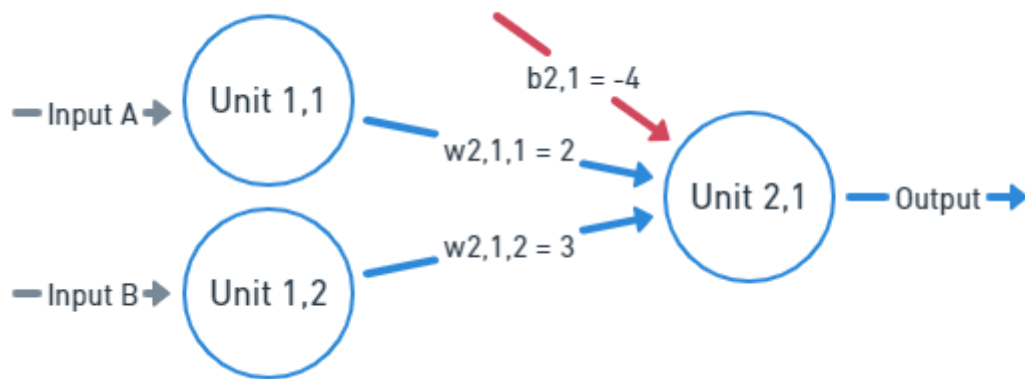


### Task 3

$b = -2$   
 $w_1 = 1$   
 $w_2 = 1$   
 $w_3 = 1$

### 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).

