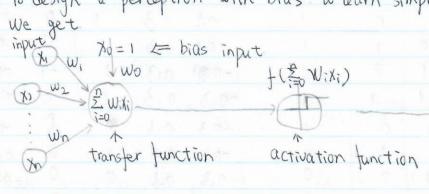
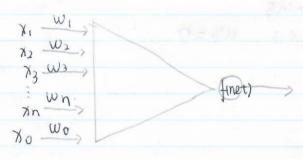
Project 4

@ To design a perceptron with bias to learn simple logic operators



 $\rightarrow$  0) 0=f( $\sum_{i=0}^{\infty} W_i x_i$ tinal classication

To simplify.



② P→Q

We get the training data

P Q P→Q

O O I

I O O

3 bias = 1. Wo = 00 0.2 learning rate = 0.2

Epoch.	Input.		Desired Output	Intial	weights	Actual	Error		kight
en ann	X	7/2	Y	Wi	Wa	ou qui	9	W	$\nu_2$
1	0	0	1	-0.1	0.3	1	0	fo.1	0.3
	0	l	1 5	1.0-	0.3		0.	-D.1 0	1.3
	t	0	0	-0夏1	0.3	1	-1	70.3	0.3
	1	1	1	-0.3	0.3	1	0	-0.3	5.3
2	0	0		-0.3	03	01	0	-0.5	0.3
Jack	0	1	and the state of	-0.5	0.3	Start of	0 -	0.3	0.3
	- t	0	0	-0.3	0.3	0	0	-03 0	3
	1	1	1	-0.3	0.3	1	0  -	-0.5 0	.3

 $w_1 = -0.3$   $w_2 = 0.3$   $w_0 = 0$ 

AT 9

C U THE NO I -

Constitution of the painting