Dataset

<x1,x2></x1,x2>	У
<1,1>	1
<1,2>	1
<0,0>	-1
<-1,0>	-1

w = <0,0,0>

Epoch 1:

<x<sub>0,x₁,x₂></x<sub>	$b + w_1.x_1 + w_2.x_2$	$\widehat{y}_i^{(1)}$	y i
<1,1,1>	0+1x0+1x0 >=0	1	1
<1,2>	0+1x0+2x0 >= 0	1	1
<0,0>	0	1	-1
	Update to $w = <-1,0,0>$		
<-1,0>	-1+-1x0+0x0 <0	-1	-1

w = <-1,0,0> Epoch 2:

<x<sub>0,x₁,x₂></x<sub>	$b + w_1.x_1 + w_2.x_2$	$\hat{y}_i^{(1)}$	y i
<1,1,1>	-1+1x0+1x0 <0	-1	1
	Update to w = <0,1,1>		
<1,2>	0+1x1+2x1 >=0	1	1
<0,0>	0+0x1+0x1 >= 0	1	-1
	Update to w = <-1,1,1>		
<-1,0>	-1+-1x1+0x1<0	-1	-1

w = <-1,1,1> Epoch 3:

<x<sub>0,x₁,x₂></x<sub>	$b + w_1.x_1 + w_2.x_2$	$\widehat{y}_i^{(1)}$	y i
<1,1,1>	-1+1x1+1x1 >= 0	1	1
<1,2>	-1+1x1+2x1 >=0	1	1
<0,0>	-1+0x1+0x1 < 0	-1	-1
<-1,0>	-1+-1x1+0x1<0	-1	-1