



point	y	\hat{y}	
$P_3 = (1, 1)$	1	$f(0) = 1$	no updates
$P_0 = (0, 0)$	0	$f(0) = 1$	$w_0 = 0 + 0.2 \times (0 - 1) \times 1 = -0.2$ $w_1 = 0 + 0.2 \times (0 - 1) \times 0 = 0$ $w_2 = 0 + 0.2 \times (0 - 1) \times 0 = 0$
$P_1 = (0, 1)$	1	$f(0.2) = 0$	$w_0 = 0 - 0.2 + 0.2 \times (1 - 0) \times 1 = 0$ $w_1 = 0 + 0.2 \times (1 - 0) \times 0 = 0$ $w_2 = 0 + 0.2 \times (1 - 0) \times 1 = 0.2$
$P_2 = (1, 0)$	1	$f(0) = 1$	no updates
$P_3 = (1, 1)$	1	$f(0) = 1$	no updates
$P_0 = (0, 0)$	0	$f(0) = 1$	$w_0 = 0 + 0.2 \times (0 - 1) \times 1 = -0.2$ $w_1 = 0 + 0.2 \times (0 - 1) \times 0 = 0$ $w_2 = 0.2 + 0.2 \times (0 - 1) \times 0 = 0.2$
$P_1 = (0, 1)$	1	$f(-0.2 + 0.1) = f(0) = 1$	no updates
$P_2 = (1, 0)$	1	$f(-0.2) = 0$	$w_0 = -0.2 + 0.2 \times (1 - 0) \times 1 = 0$ $w_1 = 0 + 0.2 \times (1 - 0) \times 1 = 0.2$ $w_2 = 0.2 + 0.2 \times (1 - 0) \times 0 = 0.2$
$P_3 = (1, 1)$	1	$f(0.4) = 1$	no updates
$P_0 = (0, 0)$	0	$f(0.4) = 1$	$w_0 = 0 + 0.2 \times (0 - 1) \times 1 = -0.2$ $w_1 = 0.2 + 0.2 \times () \times 0 = 0.2$ $w_2 = 0.2 + 0.2 \times () \times 0 = 0.2$
$P_1 = (0, 1)$	1	$f(0) = 1$	no updates
$P_2 = (1, 0)$	1	$f(0) = 1$	no updates
$P_3 = (1, 1)$	1	$f(0.2) = 0.2$	no updates
$P_0 = (0, 0)$	0	$f(-0.1) = 0$	no updates

terminates