	and the same of th
	Quadric Machine HW January 17th 2025
	stopped one could market
	the state of the s
	The table has:
	inputs x, y, xy, x <sup>2</sup> , y <sup>2</sup>
	weights (wx, wy) changes (Dwx, Dwg)
	Bias (bias) change DBias
The second	Net value, Output, Target
3	Sala & Spend "Sala, March & Color
	Inputs (x,y) combinations (xy, x, y2) in the
	first few edomns
1	Physical messing my and there
	Initialize Weights:
	Weights (wx, wy) are initially set to &.
	change of weights (Awx, Awy) set to Q
	Compute Weighted Sum (net):
	net = $(\omega x \cdot x) + (\omega y \cdot y) + (\omega x y \cdot x y) + (\omega x^2 + x^2)$
Harris C	net = $(\omega x \cdot x) + (\omega y \cdot y) + (\omega x y \cdot x y) + (\omega x^2 + x^2)$ + $(\omega y^2 + y^2) + Bias$
	Buch Strate - ages
	*note" use weights and bias values for each row
. 16.	of x, y, xq, x2, y2 to calculate net
	-x-(a-t) 2 = 04Δ
	Activation Output:
	Output: = 1 netzthreshold
	a otherwise

		0
	· Compare Output with Target:	4
		- 4
	Output matches Target	-4
	S if not, adjust weights and bias	_q _q
		G
	Dwx = learning rate - (Target - Output) . X	G
	Dwy - learning rate . (Target - Output) "y	6
	Dwxy, Dwx2, Dwy2, Dbias	6
		_
		_ (c
	Update weights wx = wx + bwx	-6
	wy = wy + Dwy	6
		6
	input	
	> perception > output	6
	Input	-
		-
5	5	
	5 input weights (x,y,xy,x2,y2) + blus weight	
	output 2 if net 7 d, else &	_
	Learning rate "c' of , 5 and intial weights of a	
	$\Delta w_i = c(t-z) \gamma_i$	
		•
		•
		d
		-

