ML Arrignment - 3 Perceptron One type of ANN system perception sinple -> A perception takes a vector of real valued inputs, calculates of three inputs, then around a ! the result (of) is greater than otherwin -, given inputs is through in the output o(n, ... Mn) computed by the perception is  $O(N, -N_n) = \int_{-\infty}^{\infty} \int_{-\infty}^{\infty$ a real valued corntant weighted consideration that the - wo is a threshow W, M, +... W, Mn need nurpan A differential threshold unit (Sigmond Unit)

on a smoothed differential threshold function

	ω,	ω,		
n, 0-0	)1 (2	Lu = & w;n; 0 =	$\rightarrow$ $\bigcirc$	
	wr	Let = & w; n; 0 =	S(net) = 1	
n, 0			1+e-net	
- The	ngmoin of	unction first conqu	ites a linear com	bination d its inpu
then appl	ics a three	hold to the result o	md the thrashow	outing is a
continuo	er function	d input		
		the signoid unit of	onputer its ongu	1000
		is here $$		, nighwid hncha
+ Solutia	- 1 proble	····		
3 Solutia	ne, Perup	in him nour gen	reral than perceptor	~ <i>Y</i> S
3 Solutia	ne, Percep	nion A in nour gen	ural than perceptin	~ <i>r</i> S
3 Solutia 7.	ne, Perep	ha A in nor ger		
7.	nie, Percep	in A in nove ger ων+ω,κ,+ω,κ, Perceptron A		Anon
7.	nie, Percep	hio- A in nwr ger ων + ω, κ, +ω, κ,	$\omega_0 + \omega_1 \varkappa_1 + \omega_2 \varkappa_2$	Anon
η,	nie, Perup	hio- A in nwr ger ων + ω, κ, +ω, κ,	$\omega_0 + \omega_1 \varkappa_1 + \omega_2 \varkappa_2$	Anon
7. N, O	ne, Perup	hion A in nour gen  wo + w, u, + w, u,  Perceptron A  1	Worklyn, TW2M2 Pencydron B  O	A nur general than r
7. 0 0	nie, Perup  N2  O	hion A in nour gen  wo + w, M, + w, M,  Perceptron A  1  2  3	WorW, M, T WzMz  Pencydron B  O  1	A nur general than r
7. 0 0	ne, Perup	hion A in nour gen  wo + w, M, + w, M,  Perceptron A  1  2  3	WorW, M, T WzMz  Pencydron B  O  1	A nur general than r
7, 0 0	ne, Perup  N2  O	hia A in nor gar  wo + w, u, + w, u,  Perceptron A  1  2  3  41	Worklyn, TW2M2 Perceptron B  O  1  2  3	A more general than I
7, 0 0	ne, Perup  N2  O	hion A in nour gen  wo + w, M, + w, M,  Perceptron A  1  2  3	Worklyn, TW2M2 Perceptron B  O  1  2  3	A more general than I
7, 0 0	nc, Perup  1, 0, 1, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	hia A in nor gar  wo + w, u, + w, u,  Perceptron A  1  2  3  41	ω, +ω, ν, + ω, ν, 2  Pencydron B  0  1  2  3	A more general than I
7. 0 0 1 1	$ne$ , $Perup$ $n_2$ $0$ $1$ $0$ $1$ $n_2$ ) = 1	hion A in new gen $\omega_0 + \omega_1 \mu_1 + \omega_2 \mu_2$ Perceptron A  1  2  3  41	ω, + ω, ν, - ω, ν, 2  Perception B  0  1  2  3	A more general than $r$