Machine Learning

Mid

O:- KNN Classifier,

	(AL)	91	20		
5-6	H/L	W	Color	Demina	Rank
1	40	60	В	Cat	3
2	45	50	В	Dog	2
3	60	10	M	cat	(5)
4	50	8	В	Lion	4
5	30	20	В	Dog	1
6	20	30	M	P	
1	8	9	2		D09

Distance =
$$(x-y)^2 + (y-y) + (z-z)^2 = P$$

$$D(e_31) = (20-40)^2 + (30-60)^2 + (M-B)^2$$

$$= 400 + (900 + 1)$$

$$D(\sigma, 2) = (20 - 45)^2 + (30 - 50)^2 + (M - B)^2$$

$$D(0,3) = (20-60)^{2} + (30-10)^{2} + (M-M)^{2}$$

$$= 1600 + (400 + 0)$$

$$D(0,3) = 2000$$

$$D(0,3) = (20-50)^{2} + (30-8)^{2} + (M-B)^{2}$$

$$= 900 + (484 + 1)$$

$$D(0,4) = 1385$$

$$= 100 + 100 + 1$$

$$D(0,5) = 201$$

$$D(0,5) = 201$$

$$D(0,5) = 201$$

$$D(0,5) = 201$$

$$D(0,2) = 1026$$

$$D(0,2) = 1026$$

$$D(0,4) = 1301$$

$$D(0,4) = 1385$$

$$D(0,4) = 1385$$

$$D(0,4) = 1385$$

$$D(0,3) = 2000$$

$$D(0,$$

