



a. ke bun	estanti H			in as		Carrier of the
mostly detection of that you think might be edicative of animatous						
12. At purimeters the - Man off and						
11 - 12 = 12 = 12 = 10 = 10 = 10 = 10 = 10 =						
of the new temple x, compute pex)						
bas- Il beal alogs						
Anomely	ip pix)	4 8				
Accommender System:				sna-+		
. Movie recommendation features						= 2,
Movies A		Hohing			(nomonce)	(achon)
have at last		5	0		0.9	0
Romanice		?	í	0	1.0	0.01
Cute pupies	;	4	0	?	0.99	0
Northop Care -	0	0	5	4	0.1	1.0
sword 14 hanct	0	0	5	?	0	6.9
for mat: Predi	iel- motions	for 1	movie (as		St(1) = [0.3]
for user 1: Predict moting for movie i as (i) x(1) + b = just linear x(3) = [0.99] (ii) to it is it is						
$P(n) = \begin{bmatrix} 0 \\ 2 \end{bmatrix} P(n) = 0 \Rightarrow (3 = \begin{bmatrix} 0 \\ 2 \end{bmatrix} = 0.32$						
12(1), x(5) + b(1) = 4.95 } approx puediction						
(ost function. 2 . & (wish. x(i) + b(i) - y(ii))2						
min $J(\omega^{(i)}, b(j)) \Rightarrow \frac{1}{\omega_{m}(i)} \underbrace{\left(\omega_{m}(i) \cdot \alpha_{m}(i) + b(i) - y_{m}(i,j) \right)^{2}}_{(i,m)} + \frac{\lambda}{\omega_{m}(i)} \underbrace{\left(\omega_{m}(i) \right)^{2}}_{k > k}$						w _k (j))2
negularization form						
to avoid overfitting						
						0





