X=[ones(m,1) X];

A=zeros(hidden\_layer\_size,3);

for i=1:m,

y\_val=zeros(num\_labels,1);

y\_val(y(i),1)=1;

x=(X(i,:))';

%A(1:input\_layer\_size+1,1)=x;

a=(sigmoid(Theta1\*x))';

a=[ones(1,1) a];

a=a';

%A(1:hidden\_layer\_size+1,2)=a;

h=sigmoid(Theta2\*a);

display(h);

%A(1:num\_labels,3)=h;

cost=y\_val'\*log(h)-(1-y\_val)'\*log(1-h);

J=(-1/m)\*cost;

display(J);

%reg=(lambda/2\*m)\*(sum(sum(Theta1.^2))+sum(sum(Theta2.^2)));

%J+=reg;

endfor