**#Check if the matrix is symmetric or not**

x = [1 2 3 3 2 1];

flip\_x = flip(x);

for ii= 1:length(x)

for jj = 1:length(flip\_x)

if ii==jj && x(ii)==flip\_x(jj)

y = 'symmetric vector';

else

y = 'unsymmetric vector';

end

end

end

y