x = [1 0 1 1 0 0 1 0 0 1 1 1 1 0 0 0];

x = [1 0 1 1 0 0 1 0 0 1 1 1 1 0 0 0];

for ii = 1:length(x)-2

if x(ii)==1 & x(ii+1)==0 & x(ii+2)==1

x(ii+1)=1;

elseif x(ii)==0 & x(ii+1)==1 & x(ii+2)==0

x(ii+1)=0;

end

end

x