```
% Juan Alejandro Ormaza
% Algorithm based on Burden's Numerical Analysis 9th edition

function [eval2] = power_method_mod(A,x,tol)

    k=1;
    N=1e100;

    x=x/norm(x,inf); %normalized


    while k<N
        y=A*x;

        lambda=norm(y,inf);

        error=norm((x-(y/norm(y,inf))),2);
        x=y/norm(y,inf);

        if error<tol
            break;
        end

        k=k+1;
    end

    evec=x;
    eval=lambda;

    B= A-(eval/(evec'*evec))*(evec*evec');
    eval2=eig(B);
    eval2=eval2(2);



end
```

```
Not enough input arguments.

Error in power_method_mod (line 9)
    x=x/norm(x,inf); %normalized
```

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