```matlab
%Power method
A=[2,-12; 1,-5];
powerMet(A)
```

```
ans = -2.6454
```

```matlab
function [value,vector]=powerMet(A)
    if length(A)~=length(A'), error('La matriz no es cuadrada'),end
    i=0;
    MAX=1000;
    %Qué valor elegir como máximo en el random?
    vector=rand(1,length(A))';
    aux=A*vector;
    vector=aux/norm(aux);

    condition=true;
    while condition
        vectorP=vector;
        aux=A*vector;
        value=(dot(vector,aux))/(dot(vector,vector));
        i=i+1;
        condition=norm(vector-vectorP)>eps && i<MAX;
    end

end
```