

```

function [elasticity] = sens(a)
% [e] = sens(a)
%
% Given Leslie matrix a, finds the corresponding
% elasticity matrix, (proportional sensitivity matrix) e.
%

[rw,d] = eig(a);
re = max(max(d));
[imax,jmax] = find(d==re);
w = rw(:,imax);

[lw,d] = eig(a');
le = max(max(d));
[imax,jmax] = find(d==le);
v = lw(:,imax);

elasticity = a.*(v*w')/(re*dot(v,w));
return

```