

```

1 % Leslie matrix for population Young – Adult – Elderly
2
3 L = [0.0  4.0  0.0;
4      0.7  0.0  0.0;
5      0.0  0.7  0.0];
6
7
8 X0 = [0 100 0]';
9 disp([0 X0' sum(X0)]);
10
11 X = X0;
12
13 for i = 1:10
14     X = L*X;
15     disp([i X' sum(X)]);
16 end
17
18
19 X10 = L^10* X0;
20 X100 = L^100 * X0;
21
22 disp('After 10');
23 disp([i X10' sum(X10)]);
24
25

```