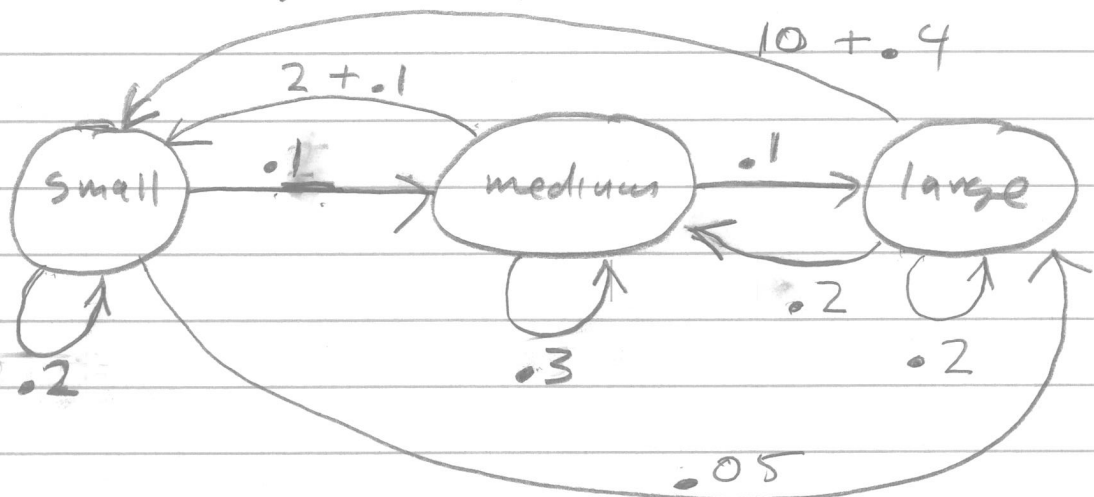


Homework for Monday Oct. 18.

A colony of spouses has growth rates given by the diagram



(1) Give the matrix A for

(2) If $\vec{n}(0) = \begin{bmatrix} 200 \\ 30 \\ 20 \end{bmatrix}$

Find

$$\vec{n}(10), \vec{n}(40), \vec{n}(50)$$

and the precepts in each class for $t = 10, 40, 50$.

(3) From your answer give the stable age distribution.