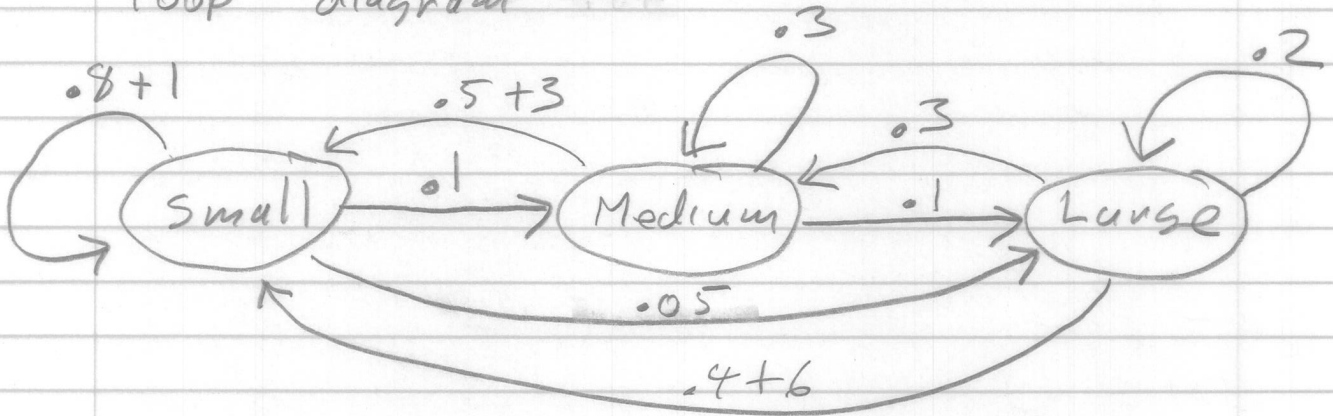


## Quiz 22

A colony of sponges has the following loop diagram for



What is the corresponding matrix?

Solution The arrows going out of each circle give the columns of the matrix

$$A = \begin{bmatrix} 1.8 & 3.5 & 6.4 \\ 0.1 & 0.3 & 0.3 \\ 0.05 & 0.1 & 0.2 \end{bmatrix}$$