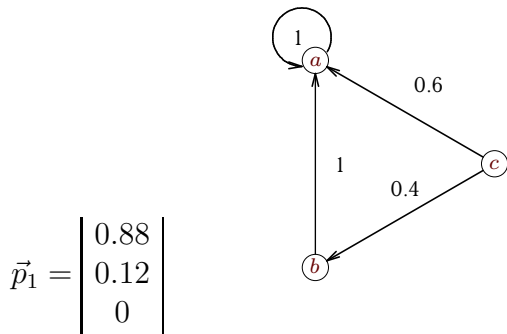


Марковские цепи. Начальное состояние

Дан граф вероятностей перехода цепи Маркова. Известно состояние \vec{p}_1 цепи после одного шага. Найти начальное распределение цепи \vec{p}_0 .

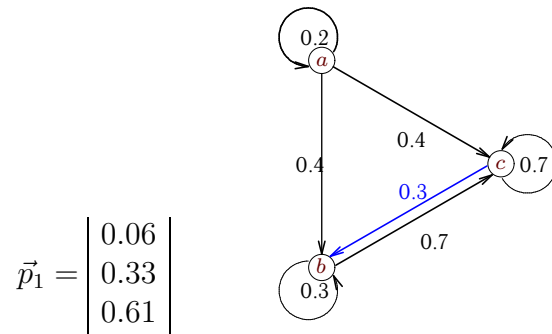
Задача i-23.1.

3



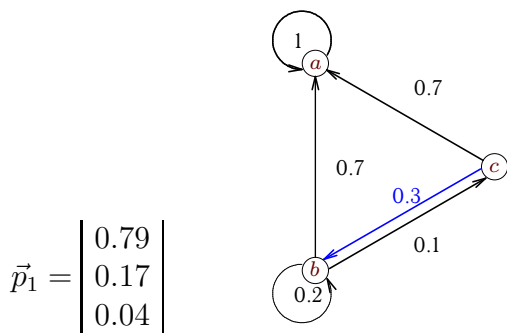
Задача i-23.2.

3



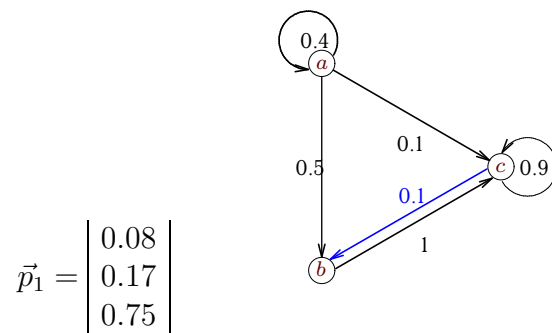
Задача i-23.3.

3



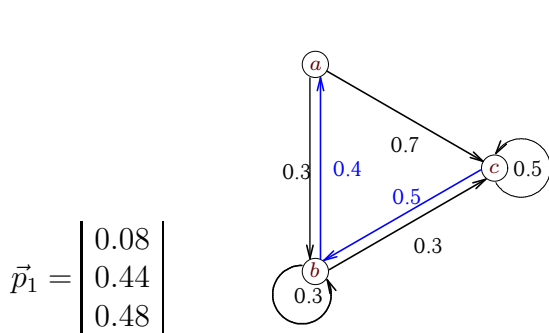
Задача i-23.4.

3



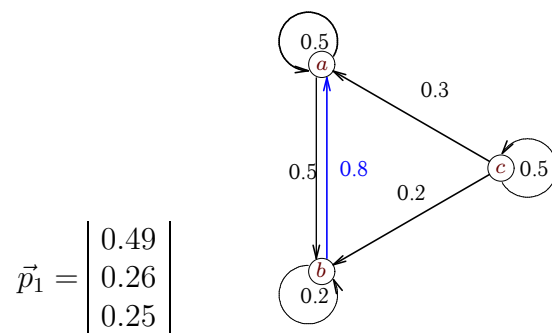
Задача i-23.5.

3



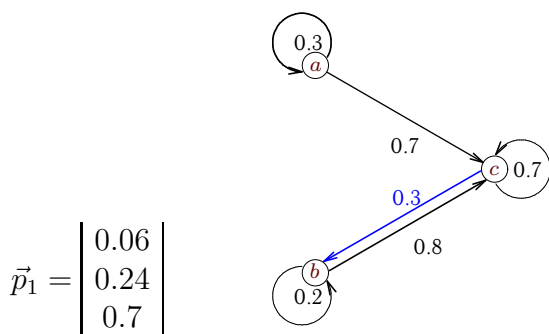
Задача i-23.6.

3



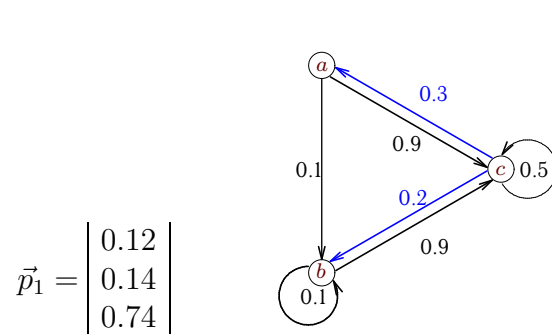
Задача i-23.7.

3



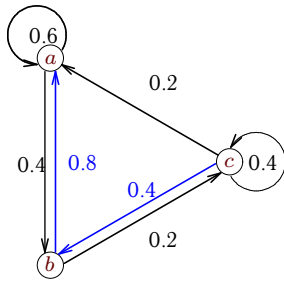
Задача i-23.8.

3



Задача i-23.9.

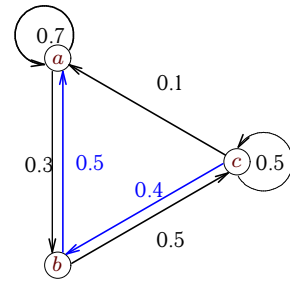
3



$$\vec{p}_1 = \begin{vmatrix} 0.48 \\ 0.24 \\ 0.28 \end{vmatrix}$$

Задача i-23.10.

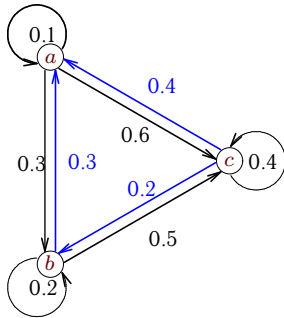
3



$$\vec{p}_1 = \begin{vmatrix} 0.34 \\ 0.26 \\ 0.4 \end{vmatrix}$$

Задача i-23.11.

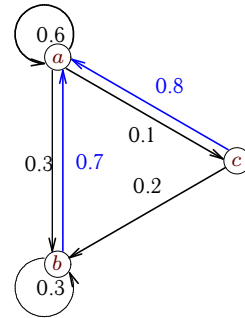
3



$$\vec{p}_1 = \begin{vmatrix} 0.3 \\ 0.23 \\ 0.47 \end{vmatrix}$$

Задача i-23.12.

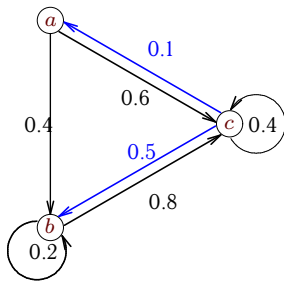
3



$$\vec{p}_1 = \begin{vmatrix} 0.71 \\ 0.27 \\ 0.02 \end{vmatrix}$$

Задача i-23.13.

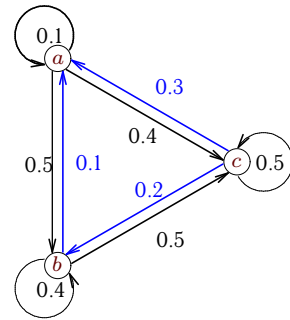
3



$$\vec{p}_1 = \begin{vmatrix} 0.02 \\ 0.34 \\ 0.64 \end{vmatrix}$$

Задача i-23.14.

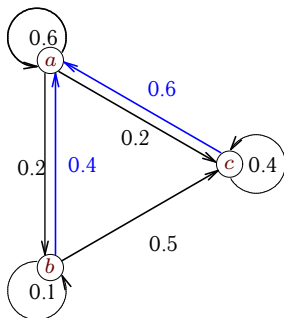
3



$$\vec{p}_1 = \begin{vmatrix} 0.18 \\ 0.35 \\ 0.47 \end{vmatrix}$$

Задача i-23.15.

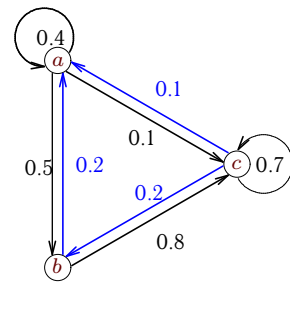
3



$$\vec{p}_1 = \begin{vmatrix} 0.56 \\ 0.08 \\ 0.36 \end{vmatrix}$$

Задача i-23.16.

3

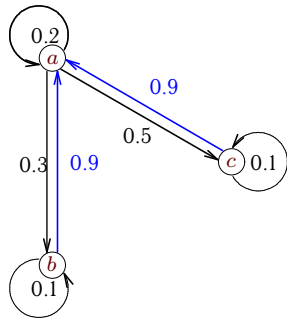


$$\vec{p}_1 = \begin{vmatrix} 0.23 \\ 0.3 \\ 0.47 \end{vmatrix}$$

Задача i-23.17.

3

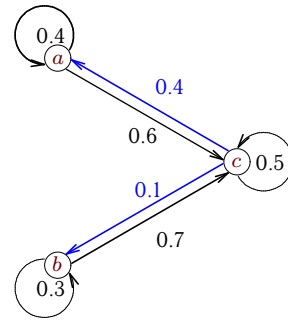
$$\vec{p}_1 = \begin{vmatrix} 0.76 \\ 0.1 \\ 0.14 \end{vmatrix}$$



Задача i-23.18.

3

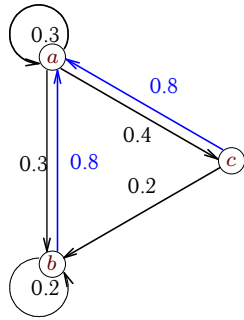
$$\vec{p}_1 = \begin{vmatrix} 0.36 \\ 0.09 \\ 0.55 \end{vmatrix}$$



Задача i-23.19.

3

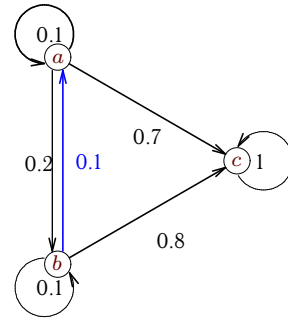
$$\vec{p}_1 = \begin{vmatrix} 0.75 \\ 0.21 \\ 0.04 \end{vmatrix}$$



Задача i-23.20.

3

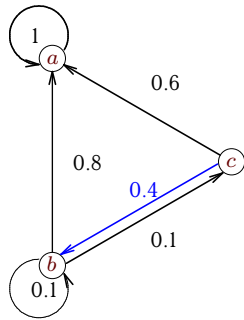
$$\vec{p}_1 = \begin{vmatrix} 0.04 \\ 0.06 \\ 0.9 \end{vmatrix}$$



Задача i-23.21.

3

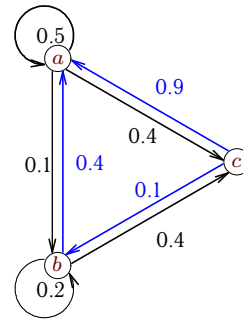
$$\vec{p}_1 = \begin{vmatrix} 0.72 \\ 0.28 \\ 0 \end{vmatrix}$$



Задача i-23.22.

3

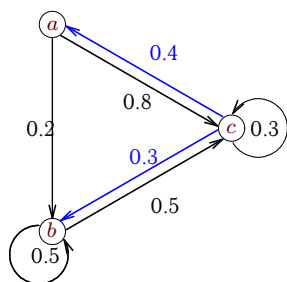
$$\vec{p}_1 = \begin{vmatrix} 0.62 \\ 0.14 \\ 0.24 \end{vmatrix}$$



Задача i-23.23.

3

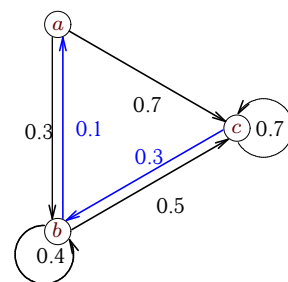
$$\vec{p}_1 = \begin{vmatrix} 0.28 \\ 0.3 \\ 0.42 \end{vmatrix}$$



Задача i-23.24.

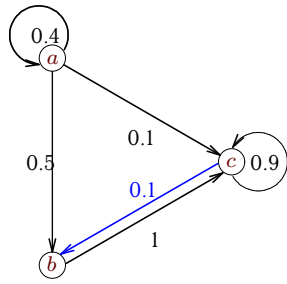
3

$$\vec{p}_1 = \begin{vmatrix} 0.01 \\ 0.31 \\ 0.68 \end{vmatrix}$$



Задача i-23.25.

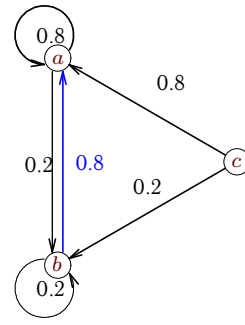
3



$$\vec{p}_1 = \begin{vmatrix} 0.04 \\ 0.13 \\ 0.83 \end{vmatrix}$$

Задача i-23.26.

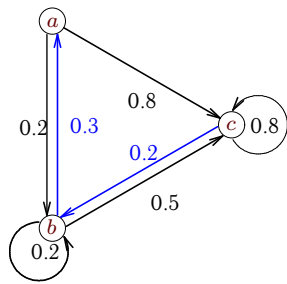
3



$$\vec{p}_1 = \begin{vmatrix} 0.8 \\ 0.2 \\ 0 \end{vmatrix}$$

Задача i-23.27.

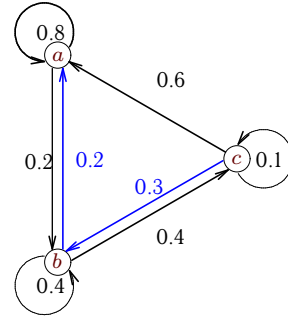
3



$$\vec{p}_1 = \begin{vmatrix} 0.03 \\ 0.2 \\ 0.77 \end{vmatrix}$$

Задача i-23.28.

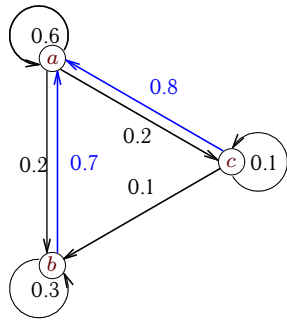
3



$$\vec{p}_1 = \begin{vmatrix} 0.46 \\ 0.32 \\ 0.22 \end{vmatrix}$$

Задача i-23.29.

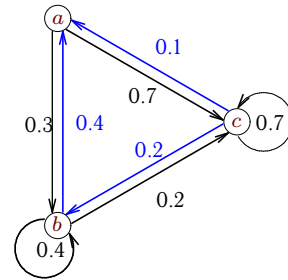
3



$$\vec{p}_1 = \begin{vmatrix} 0.75 \\ 0.14 \\ 0.11 \end{vmatrix}$$

Задача i-23.30.

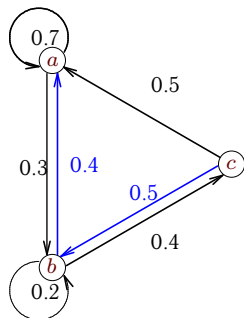
3



$$\vec{p}_1 = \begin{vmatrix} 0.14 \\ 0.26 \\ 0.6 \end{vmatrix}$$

Задача i-23.31.

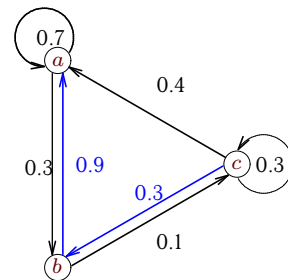
3



$$\vec{p}_1 = \begin{vmatrix} 0.5 \\ 0.34 \\ 0.16 \end{vmatrix}$$

Задача i-23.32.

3



$$\vec{p}_1 = \begin{vmatrix} 0.49 \\ 0.3 \\ 0.21 \end{vmatrix}$$

i-23 Ответы.**Марковские цепи. Начальное состояние**

07.11.2012

№	\vec{p}_0
1	[0.3, 0.4, 0.3]
2	[0.3, 0.3, 0.4]
3	[0.3, 0.4, 0.3]
4	[0.2, 0.1, 0.7]
5	[0.1, 0.2, 0.7]
6	[0.2, 0.3, 0.5]
7	[0.2, 0, 0.8]
8	[0.2, 0.4, 0.4]
9	[0.1, 0.4, 0.5]
10	[0.2, 0.3, 0.5]
11	[0.3, 0.1, 0.6]
12	[0.2, 0.5, 0.3]
13	[0.4, 0.4, 0.2]
14	[0.3, 0.3, 0.4]
15	[0.3, 0.2, 0.5]
16	[0.4, 0.1, 0.5]
17	[0.2, 0.4, 0.4]
18	[0.3, 0.1, 0.6]
19	[0.1, 0.4, 0.5]
20	[0.2, 0.2, 0.6]
21	[0.3, 0, 0.7]
22	[0.2, 0.4, 0.4]
23	[0.2, 0.1, 0.7]
24	[0.1, 0.1, 0.8]
25	[0.1, 0.1, 0.8]
26	[0.3, 0.1, 0.6]
27	[0.4, 0.1, 0.5]
28	[0.3, 0.5, 0.2]
29	[0.2, 0.1, 0.7]
30	[0.2, 0.2, 0.6]
31	[0.2, 0.4, 0.4]
32	[0.3, 0, 0.7]

i-23 файл о23b3A