

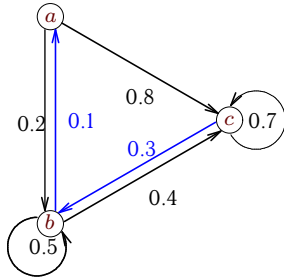
Марковские цепи (2)

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.

2

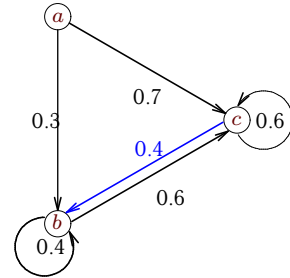
$$\vec{p}_1 = \begin{vmatrix} 0.04 \\ 0.36 \\ 0.6 \end{vmatrix}$$



Задача i-23.2.

2

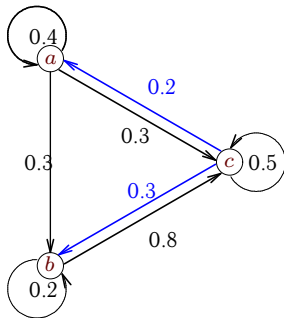
$$\vec{p}_1 = \begin{vmatrix} 0 \\ 0.37 \\ 0.63 \end{vmatrix}$$



Задача i-23.3.

2

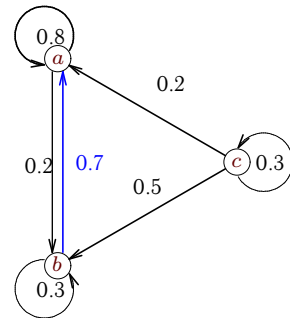
$$\vec{p}_1 = \begin{vmatrix} 0.24 \\ 0.3 \\ 0.46 \end{vmatrix}$$



Задача i-23.4.

2

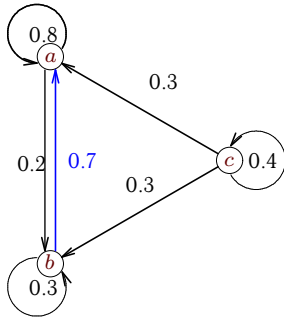
$$\vec{p}_1 = \begin{vmatrix} 0.37 \\ 0.42 \\ 0.21 \end{vmatrix}$$



Задача i-23.5.

2

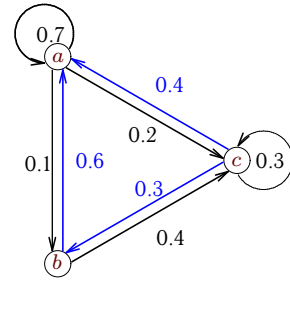
$$\vec{p}_1 = \begin{vmatrix} 0.4 \\ 0.28 \\ 0.32 \end{vmatrix}$$



Задача i-23.6.

2

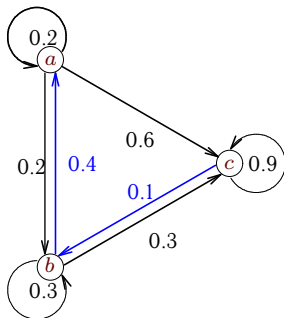
$$\vec{p}_1 = \begin{vmatrix} 0.49 \\ 0.19 \\ 0.32 \end{vmatrix}$$



Задача i-23.7.

2

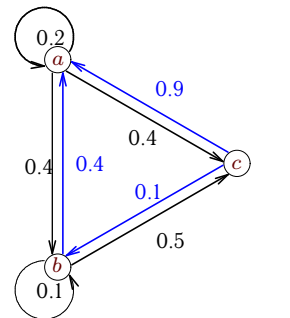
$$\vec{p}_1 = \begin{vmatrix} 0.2 \\ 0.2 \\ 0.6 \end{vmatrix}$$



Задача i-23.8.

2

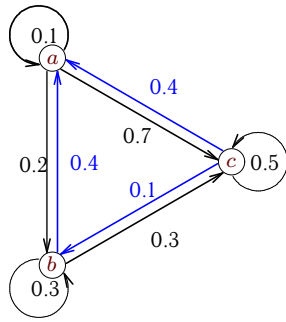
$$\vec{p}_1 = \begin{vmatrix} 0.71 \\ 0.16 \\ 0.13 \end{vmatrix}$$



Задача i-23.9.

2

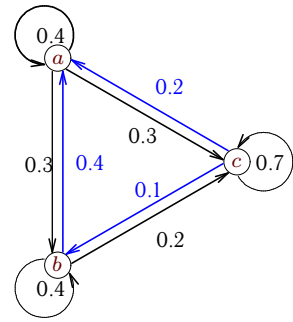
$$\vec{p}_1 = \begin{vmatrix} 0.31 \\ 0.23 \\ 0.46 \end{vmatrix}$$



Задача i-23.10.

2

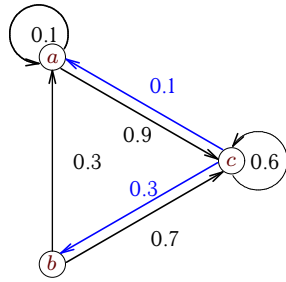
$$\vec{p}_1 = \begin{vmatrix} 0.36 \\ 0.3 \\ 0.34 \end{vmatrix}$$



Задача i-23.11.

2

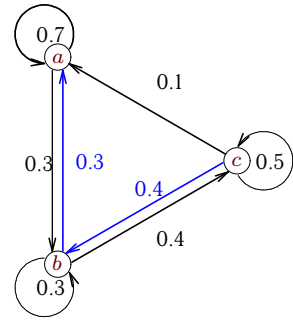
$$\vec{p}_1 = \begin{vmatrix} 0.18 \\ 0.06 \\ 0.76 \end{vmatrix}$$



Задача i-23.12.

2

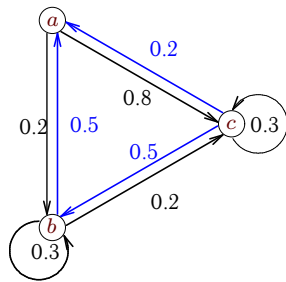
$$\vec{p}_1 = \begin{vmatrix} 0.28 \\ 0.37 \\ 0.35 \end{vmatrix}$$



Задача i-23.13.

2

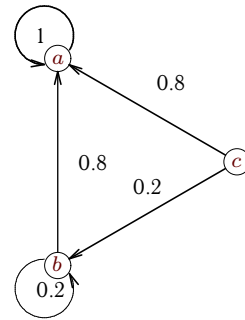
$$\vec{p}_1 = \begin{vmatrix} 0.23 \\ 0.35 \\ 0.42 \end{vmatrix}$$



Задача i-23.14.

2

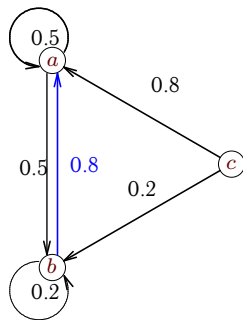
$$\vec{p}_1 = \begin{vmatrix} 0.82 \\ 0.18 \\ 0 \end{vmatrix}$$



Задача i-23.15.

2

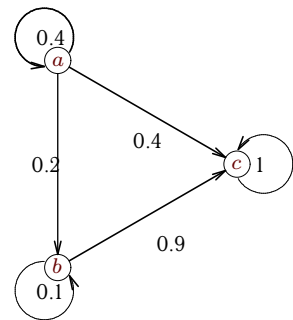
$$\vec{p}_1 = \begin{vmatrix} 0.74 \\ 0.26 \\ 0 \end{vmatrix}$$



Задача i-23.16.

2

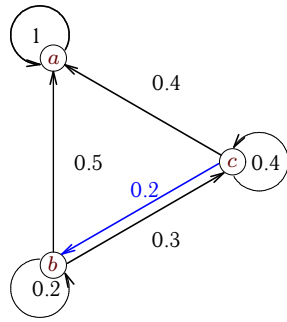
$$\vec{p}_1 = \begin{vmatrix} 0.12 \\ 0.07 \\ 0.81 \end{vmatrix}$$



Задача i-23.17.

2

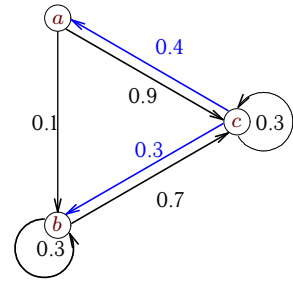
$$\vec{p}_1 = \begin{vmatrix} 0.56 \\ 0.16 \\ 0.28 \end{vmatrix}$$



Задача i-23.18.

2

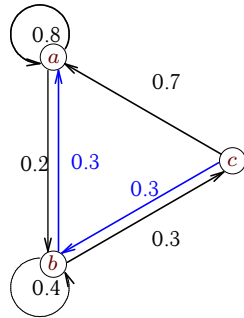
$$\vec{p}_1 = \begin{vmatrix} 0.2 \\ 0.26 \\ 0.54 \end{vmatrix}$$



Задача i-23.19.

2

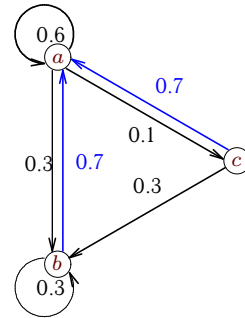
$$\vec{p}_1 = \begin{vmatrix} 0.52 \\ 0.33 \\ 0.15 \end{vmatrix}$$



Задача i-23.20.

2

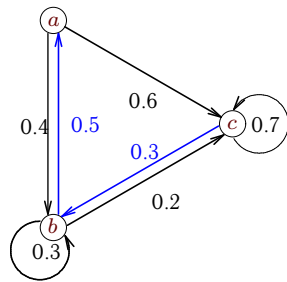
$$\vec{p}_1 = \begin{vmatrix} 0.67 \\ 0.3 \\ 0.03 \end{vmatrix}$$



Задача i-23.21.

2

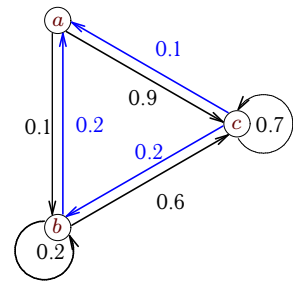
$$\vec{p}_1 = \begin{vmatrix} 0.05 \\ 0.34 \\ 0.61 \end{vmatrix}$$



Задача i-23.22.

2

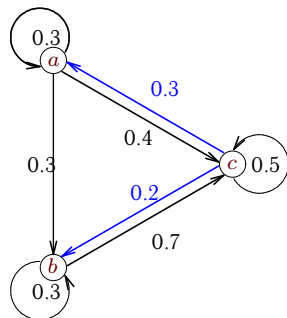
$$\vec{p}_1 = \begin{vmatrix} 0.11 \\ 0.18 \\ 0.71 \end{vmatrix}$$



Задача i-23.23.

2

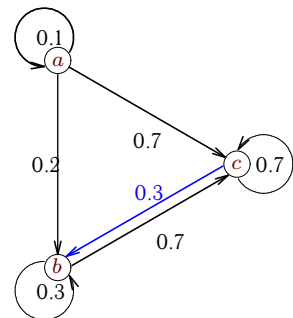
$$\vec{p}_1 = \begin{vmatrix} 0.3 \\ 0.21 \\ 0.49 \end{vmatrix}$$



Задача i-23.24.

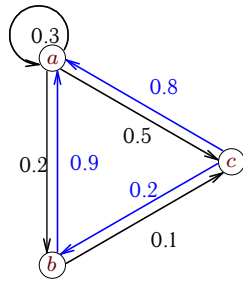
2

$$\vec{p}_1 = \begin{vmatrix} 0.03 \\ 0.27 \\ 0.7 \end{vmatrix}$$



Задача i-23.25.

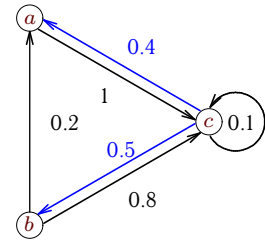
2



$$\vec{p}_1 = \begin{vmatrix} 0.76 \\ 0.18 \\ 0.06 \end{vmatrix}$$

Задача i-23.26.

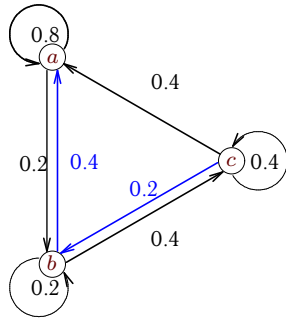
2



$$\vec{p}_1 = \begin{vmatrix} 0.18 \\ 0.1 \\ 0.72 \end{vmatrix}$$

Задача i-23.27.

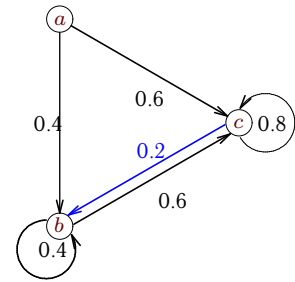
2



$$\vec{p}_1 = \begin{vmatrix} 0.52 \\ 0.2 \\ 0.28 \end{vmatrix}$$

Задача i-23.28.

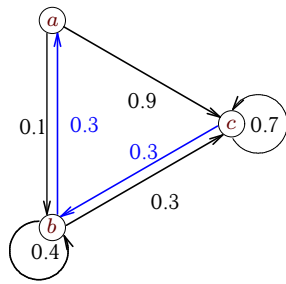
2



$$\vec{p}_1 = \begin{vmatrix} 0 \\ 0.26 \\ 0.74 \end{vmatrix}$$

Задача i-23.29.

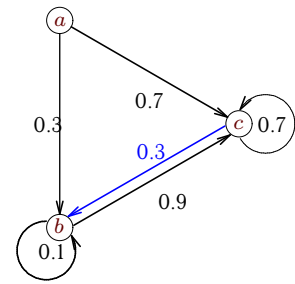
2



$$\vec{p}_1 = \begin{vmatrix} 0.12 \\ 0.3 \\ 0.58 \end{vmatrix}$$

Задача i-23.30.

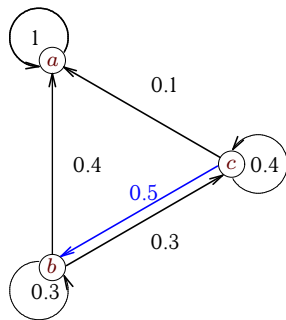
2



$$\vec{p}_1 = \begin{vmatrix} 0 \\ 0.3 \\ 0.7 \end{vmatrix}$$

Задача i-23.31.

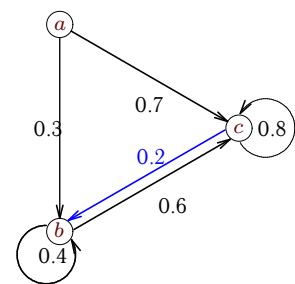
2



$$\vec{p}_1 = \begin{vmatrix} 0.52 \\ 0.26 \\ 0.22 \end{vmatrix}$$

Задача i-23.32.

2



$$\vec{p}_1 = \begin{vmatrix} 0 \\ 0.25 \\ 0.75 \end{vmatrix}$$

i-23 Ответы.
Марковские цепи (2)

07.11.2012

№	\vec{p}_0
1	[0.2, 0.4, 0.4]
2	[0.3, 0.1, 0.6]
3	[0.2, 0, 0.8]
4	[0.2, 0.1, 0.7]
5	[0.2, 0, 0.8]
6	[0.1, 0.3, 0.6]
7	[0.2, 0.4, 0.4]
8	[0.2, 0.1, 0.7]
9	[0.3, 0.5, 0.2]
10	[0.4, 0.4, 0.2]
11	[0.4, 0.4, 0.2]
12	[0.3, 0, 0.7]
13	[0.3, 0.3, 0.4]
14	[0.1, 0.4, 0.5]
15	[0.2, 0.4, 0.4]
16	[0.3, 0.1, 0.6]
17	[0.2, 0.4, 0.4]
18	[0.2, 0.3, 0.5]
19	[0.2, 0.5, 0.3]
20	[0.3, 0.1, 0.6]
21	[0.4, 0.1, 0.5]
22	[0.2, 0.3, 0.5]
23	[0.1, 0, 0.9]
24	[0.3, 0.4, 0.3]
25	[0.1, 0.1, 0.8]
26	[0.3, 0.5, 0.2]
27	[0.3, 0.4, 0.3]
28	[0.3, 0, 0.7]
29	[0.2, 0.4, 0.4]
30	[0.3, 0, 0.7]
31	[0.4, 0.2, 0.4]
32	[0.3, 0.1, 0.6]

i-23 файл o23b2A