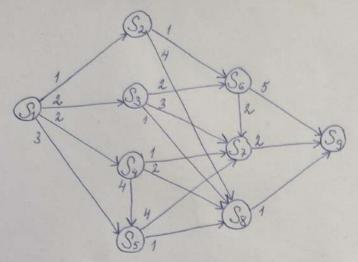
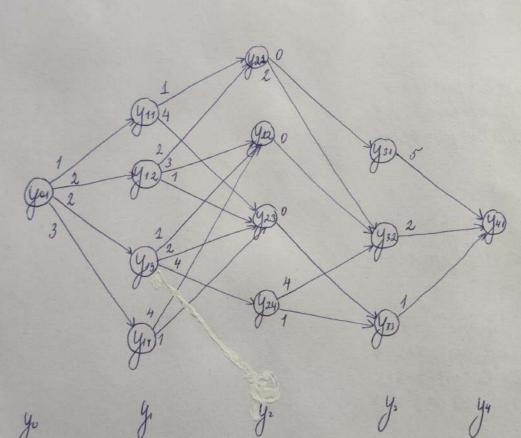
Mamenammuekae экономика
Курсовае работа
No 2 (MATI)

Хринипова А.С. M80-4085-19 Вар-19 (9)





 $y_0 = S_1$ $y_1 = (S_2, S_3, S_4, S_5)$ $y_2 = (S_6, S_7, S_8)$ $y_3 = (S_6, S_7, S_8)$ $y_4 = S_9$ $y_6 \in R^4$ $y_4 \in R^4$ $y_4 \in R^4$ $y_4 \in R^4$ $y_4 \in R^4$

I) n=3 M3 (y31) = y41 M3 (y32) = y41 M3 (y53) = y41

 $B_3(y_{31}) = 5$ $B_3(y_{32}) = 2$ $B_3(y_{33}) = 1$

 $\frac{11}{11}$ n = 2 $u_2 (y_{21}) = y_{31}$ $u_2 (y_{21}) = y_{32}$ $u_2^* (y_{21}) = y_{32}$

4 (y21, y31)+B3 (y21) = 0+5=5 4 (y21, y32)+B3 (y32) = 2+2=4 B2 (y21) = 4

```
112 (y22) = y32
                          Ba (y22) = 4 (y22, y32) + B3 (y32) = 0+2 = 2
   Už (425) = 453
                          Ba (422) = 4 (423, 435) + Bs (425) = 0+1=1
   U2 (y24) = y32
                          4 (924, y32) +B3 (ys2) = 4+2 -6
                          4 (yan, yss) + B3 (yrs) = 1+1=2
   Ma (y24) = 433
    12 (y24) = (y35
                          B2 (424) = 2
  []]) n=1
    W (y1) - y21
                           4 (y11, y21) + B2 (y21) = 1+4=5
                           4 /y11, y25) + B2 / y23) = 4+1=5
    U (y11) - y25
   (ut (y11) = y21
                           Ba (411)=5
    [u* (y,, ) = y23
                            4 (y12, y21) + B2 (y21) = 2 + 4 = 6

4 (y12, y22) + B2 (y22) = 3 + 2 = 5

4 (y12, y23) + B2 (y23) = 1 + 1 - 2
    U / yez) = y21
    U ( /42) = 422
    24 (412) = 425
    24 (yiz) y23
                            B1 (412)=2
                           4 (413, 422) + B2 (422) = 1+2=3
4 (415, 423) + B2 (425) = 2+1=3
    24 (413)= 422
    U (413) = 425
    24 (grs) & you
                            4 (yrs, yan) + Ba (yan) = 4+2=6
    W*(yn) = 422
                            Bi(413) = 3
   L Ui (y13) = 423
                           4 (417, 422) +B2 (422) =4+2=6
    U (414) = 422
                           4 (y14, 423) + Ba (423)=1+1=2
B1(414)=2
    24 (414) = 423
1v) n=0 (y=1) = (y=3
                          4 (12, yn) + Bolyn) = 1+5=6
   uo (V) = y11
   10 (V)= yn
                          4 (V, y2) + B1 (y12) = 2+2=4
                          y (V, yn) + B, (yn) = 2+3=5
y (V, yn) + B, (yn) = 3+2-5
   uo (V)= 413
   us (V)=44
                          Bo (D)=4
  110(V) = 412
  (y*= 110 (V)= y12
  (y= u+1 y12) = y23
  93 = U2 (423) = 433
 (gy = 11 / (yss) = y4
                             mpaerinopue: Si -> S3 -> S8 -> S9
 Opmunantial
 J= Bo (yo1) = 4
```

1) $\begin{pmatrix} -1 & -2 & 2 \\ 1 & 2 & 1 \\ 1 & 3 & -3 \end{pmatrix}$ -3 may 1 3 2

2) (8 12) min 10 8) 8 - Mex

Nº3 / Game)

min max = max min = 1 - yena upa

Максишенная стратегия первого троко-- вторая чистая стратешя.

Миниманской страните второго тро-

min max = 10 = max min = 8 Инзен решение в спешанных отранистех.

I: \(8p_1 + 10p_2 = \frac{y}{2} \)
\[\left\{ 12p_1 + 8p_2 = \frac{y}{2} \]
\[\left\{ p_1 + p_2 = 1 \}
\]
\[\left\{ 12q_2 = \frac{y}{2} \]
\[\left\{ 12q_2 = \frac{y}{2} \}
\]
\[\left\{ 12q_2 = \frac{y}{2} \}
\]
\[\left\{ 12q_2 = \frac{y}{2} \}
\] $\begin{cases}
 p_1 = 1 - p_2 \\
 2p_1 - p_2 \\
 3p_1 = 1
 \end{cases}
 \begin{cases}
 p_2 = \frac{2}{3} \\
 p_3 = \frac{2}{3}
 \end{cases}
 \end{cases}
 P = (\frac{3}{3}, \frac{2}{3})$

 $\begin{cases} p_{1} = 1 - p_{2} \\ 8p_{1} + 10p_{2} = 12p_{1} + 8p_{2} \\ p_{1} = 1 - p_{2} \\ 2p_{1} = p_{2} \end{cases}$ $\begin{cases} q_{1} = 1 - q_{2} \\ 19q_{1} = 1 - q_{2} \\ 2p_{1} = p_{2} \end{cases}$ 392=1 $92=\frac{1}{3}$ $91=\frac{2}{3}$ Q=(2; 1/3)

Верогениость выбора І-ыш шроком 1-ой страчении: 3 _ " _ " _ II-ьим троком 1-ой стратении: 3

Yeur rupn: 38 = 9 1/3