|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| № варианта | Величины, входящие в расчеты | | | |
| s | t | u | v |
| 9 | 1 | 2 | 3 | 3 |

Задание 2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | B1 | B2 | B3 | B4 | a = min(Ai) |
| А1 | 0 | 15 | -3 | 8 | -3 |
| А2 | 4 | 11 | 9 | 1 | 1 |
| b = max(Bi) | 4 | 15 | 9 | 8 |  |

Для 1:

Нижней a =a = max(ai) = 1

Верхняя b = min(bj) = 4.

4p2 = y

15p1+11p2 = y

-3p1+9p2 = y

8p1+p2 = y

p1+p2 = 1

Для 2:

15q2-3q3+8q4 = y

4q1+11q2+9q3+q4 = y

q1+q2+q3+q4 = 1

Задание 3

|  |  |  |  |
| --- | --- | --- | --- |
| 6 | 18 | 10 | 11 |
| 2 | 3 | 1 | 23 |
| 3 | 17 | 18 | 16 |
| 18 | 1 | 3 | 2 |

Критерий Лапласа.

q1 = q2 = ... = qn = 1/n.

qi = 1/4

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Ai | П1 | П2 | П3 | П4 | ∑(aij) |
| A1 | 1.5 | 4.5 | 2.5 | 2.75 | 11.25 |
| A2 | 0.5 | 0.75 | 0.25 | 5.75 | 7.25 |
| A3 | 0.75 | 4.25 | 4.5 | 4 | 13.5 |
| A4 | 4.5 | 0.25 | 0.75 | 0.5 | 6 |
| pj | 0.25 | 0.25 | 0.25 | 0.25 |  |

Выбираем из (11.25; 7.25; 13.5; 6) максимальный элемент max=13.5

Вывод: выбираем стратегию N=3.

Критерий Вальда.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Ai | П1 | П2 | П3 | П4 | min(aij) |
| A1 | 1.5 | 4.5 | 2.5 | 2.75 | 6 |
| A2 | 0.5 | 0.75 | 0.25 | 5.75 | 1 |
| A3 | 0.75 | 4.25 | 4.5 | 4 | 3 |
| A4 | 4.5 | 0.25 | 0.75 | 0.5 | 1 |

Выбираем из (6; 1; 3; 1) максимальный элемент max=6

Вывод: выбираем стратегию N=1