Лабораторная работа № 3 по КДМ

1. Генерация варианта

S = Лысенко А~~н~~т~~он~~ ~~Се~~рг~~ее~~вич

S = Л Ы С Е Н К О А Т Р Г В И Ч

N(Si) = 13 28 19 6 15 12 16 1 20 18 4 3 10 25

Y :

Y :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| i/j | 1 | 2 | 3 | 4 | 5 |
| 1 | 0 | 15 | 6 | 7 | 2 |
| 2 | 15 | 0 | 9 | 22 | 13 |
| 3 | 6 | 9 | 0 | 13 | 4 |
| 4 | 7 | 22 | 13 | 0 | 9 |
| 5 | 2 | 13 | 4 | 9 | 0 |

А :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| i/j | 1 | 2 | 3 | 4 | 5 |
| 1 | 0 | 1 | 1 | 0 | 1 |
| 2 | 1 | 0 | 1 | 1 | 0 |
| 3 | 1 | 1 | 0 | 0 | 1 |
| 4 | 0 | 1 | 0 | 0 | 1 |
| 5 | 1 | 0 | 1 | 1 | 0 |

Граф G :

Матрица Кирхгофа

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| i/j | v1 | v2 | v3 | v4 | v5 |
| v1 | 3 | -1 | -1 | 0 | -1 |
| v2 | -1 | 3 | -1 | -1 | 0 |
| v3 | -1 | -1 | 3 | 0 | -1 |
| v4 | 0 | -1 | 0 | 2 | -1 |
| v5 | -1 | 0 | -1 | -1 | 3 |

При p > 1. p − количество вершин, число остовов полного графа Kp равно pp-2.

Kp = 126.