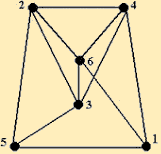
**Лабораторная работа №7**

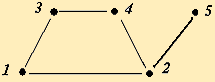
1. 

Матрица инцидентности:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 | 6 |
| A | 1 | 0 | 0 | 0 | 1 | 0 |
| B | 1 | 0 | 0 | 0 | 0 | 1 |
| C | 1 | 0 | 0 | 1 | 0 | 0 |
| D | 0 | 0 | 1 | 1 | 0 | 0 |
| E | 0 | 0 | 1 | 0 | 0 | 1 |
| F | 0 | 0 | 0 | 1 | 0 | 1 |
| G | 0 | 0 | 1 | 0 | 1 | 0 |
| H | 0 | 1 | 1 | 0 | 0 | 0 |
| I | 0 | 1 | 0 | 0 | 1 | 0 |
| J | 0 | 1 | 0 | 1 | 0 | 0 |
| K | 0 | 1 | 0 | 0 | 0 | 1 |

Матрица смежности:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | 0 | 0 | 0 | 1 | 1 | 1 |
| 2 | 0 | 0 | 1 | 1 | 1 | 1 |
| 3 | 0 | 1 | 0 | 1 | 1 | 1 |
| 4 | 1 | 1 | 1 | 0 | 0 | 1 |
| 5 | 1 | 1 | 1 | 0 | 0 | 0 |
| 6 | 1 | 1 | 1 | 1 | 0 | 0 |

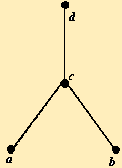
1. 

Матрица инцидентности:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | a | b | c | d | e |
| 1 | 0 | 1 | 1 | 0 | 0 |
| 2 | 1 | 1 | 0 | 0 | 1 |
| 3 | 0 | 0 | 1 | 1 | 0 |
| 4 | 0 | 0 | 0 | 1 | 1 |
| 5 | 1 | 0 | 0 | 0 | 0 |

Матрица смежности:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 |
| 1 | 0 | 1 | 1 | 0 | 0 |
| 2 | 1 | 0 | 0 | 1 | 1 |
| 3 | 1 | 0 | 0 | 1 | 0 |
| 4 | 0 | 1 | 1 | 0 | 0 |
| 5 | 0 | 2 | 0 | 0 | 0 |

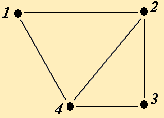
1. 

Матрица инцидентности:

|  |  |  |  |
| --- | --- | --- | --- |
|  | x | y | z |
| a | 1 | 0 | 0 |
| b | 0 | 1 | 0 |
| c | 1 | 1 | 1 |
| d | 0 | 0 | 1 |

Матрица смежности:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | a | b | c | d |
| a | 0 | 0 | 1 | 0 |
| b | 0 | 0 | 1 | 0 |
| c | 1 | 1 | 0 | 1 |
| d | 0 | 0 | 1 | 0 |

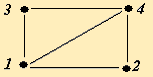
1. 

Матрица инцидентности:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | a | b | c | d | f |
| 1 | 1 | 0 | 0 | 0 | 1 |
| 2 | 0 | 0 | 1 | 1 | 1 |
| 3 | 0 | 1 | 0 | 1 | 0 |
| 4 | 1 | 1 | 1 | 0 | 0 |

Матрица смежности:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 |
| 1 | 0 | 1 | 0 | 1 |
| 2 | 1 | 0 | 1 | 1 |
| 3 | 0 | 1 | 0 | 1 |
| 4 | 1 | 1 | 1 | 0 |

1. 

Матрица инцидентности:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | a | b | c | d | f |
| 1 | 1 | 1 | 1 | 0 | 0 |
| 2 | 1 | 0 | 0 | 1 | 0 |
| 3 | 0 | 1 | 0 | 0 | 1 |
| 4 | 0 | 0 | 1 | 1 | 1 |

Матрица смежности:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 |
| 1 | 0 | 1 | 1 | 1 |
| 2 | 1 | 0 | 0 | 1 |
| 3 | 1 | 0 | 0 | 1 |
| 4 | 1 | 1 | 1 | 0 |