Вариант – 26

Задание 6. Поиск кратчайшего покрытия таблицы покрытий.

Задана таблица покрытий. Построить хотя бы одно кратчайшее покрытие.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| R | b1 | b2 | b3 | b4 | b5 | b6 | b7 | b8 | b9 | b10 |
| A |  | 1 |  |  |  | 1 |  |  | 1 |  |
| B | 1 |  | 1 |  |  |  |  |  |  |  |
| C |  |  |  |  | 1 |  | 1 |  |  |  |
| D | 1 |  |  |  |  |  |  | 1 |  |  |
| E |  | 1 | 1 |  | 1 |  | 1 |  |  |  |
| F |  |  |  | 1 |  | 1 |  | 1 |  | 1 |
| G |  |  |  |  | 1 |  |  |  | 1 |  |
| H |  |  | 1 |  |  | 1 | 1 |  |  | 1 |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| R | b1 | b2 | b3 | b4 | b5 | b6 | b7 | b8 | b9 | b10 |
| A |  | 1 |  |  |  | 1 |  |  | 1 |  |
| B | 1 |  | 1 |  |  |  |  |  |  |  |
| C |  |  |  |  | 1 |  | 1 |  |  |  |
| D | 1 |  |  |  |  |  |  | 1 |  |  |
| E |  | 1 | 1 |  | 1 |  | 1 |  |  |  |
| F |  |  |  | 1 |  | 1 |  | 1 |  | 1 |
| G |  |  |  |  | 1 |  |  |  | 1 |  |
| H |  |  | 1 |  |  | 1 | 1 |  |  | 1 |

**3**

**2**

**1**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| R | b1 | b2 | b3 | b5 | b7 | b9 |
| A |  | 1 |  |  |  | 1 |
| B | 1 |  | 1 |  |  |  |
| C |  |  |  | 1 | 1 |  |
| D | 1 |  |  |  |  |  |
| E |  | 1 | 1 | 1 | 1 |  |
| G |  |  |  | 1 |  | 1 |
| H |  |  | 1 |  | 1 |  |

{F}

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| R | b1 | b2 | b3 | b5 | b7 | b9 |
| A |  | 1 |  |  |  | 1 |
| B | 1 |  | 1 |  |  |  |
| E |  | 1 | 1 | 1 | 1 |  |
| G |  |  |  | 1 |  | 1 |

{F}

|  |  |  |
| --- | --- | --- |
| R | b1 | b9 |
| A |  | 1 |
| B | 1 |  |
| G |  | 1 |

{F, E}

|  |  |
| --- | --- |
| R | b9 |
| A | 1 |
| G | 1 |

{F, E, B}

|  |  |
| --- | --- |
| R | b9 |
| A | 1 |

{F, E, B}

Ответ: {F, E, B, A}