1. Код Элайеса

**Примеры для обучения**

* Кодирование:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 0 | 0 | 1 | 1 | ? | 0 |
| 0 | 1 | 1 | 0 | 1 | ? | 1 |
| 1 | 0 | 0 | 1 | 0 | ? | 0 |
| 1 | 1 | 0 | 0 | 0 | ? | 0 |
| 1 | 1 | 0 | 1 | 0 | ? | 1 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 1 | 1 | 1 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 0 | 1 | 1 | ? | 1 |
| 1 | 1 | 1 | 0 | 1 | ? | 0 |
| 0 | 0 | 1 | 0 | 1 | ? | 0 |
| 1 | 0 | 0 | 0 | 0 | ? | 1 |
| 0 | 1 | 0 | 1 | 1 | ? | 1 |
| ? | ? | ? | ? | ? |  |  |
| 0 | 1 | 0 | 0 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 0 | 1 | 1 | 1 | ? | 1 |
| 1 | 0 | 1 | 0 | 0 | ? | 0 |
| 1 | 0 | 1 | 1 | 0 | ? | 1 |
| 0 | 0 | 1 | 0 | 1 | ? | 0 |
| 0 | 0 | 0 | 0 | 0 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 0 | 0 | 0 | 0 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 0 | 1 | 1 | 0 | ? | 1 |
| 1 | 0 | 0 | 1 | 1 | ? | 1 |
| 0 | 0 | 0 | 1 | 0 | ? | 1 |
| 1 | 1 | 1 | 1 | 0 | ? | 0 |
| 1 | 0 | 0 | 0 | 1 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 0 | 1 | 0 | 0 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 1 | 0 | 1 | 0 | ? | 1 |
| 1 | 1 | 0 | 0 | 0 | ? | 0 |
| 0 | 1 | 0 | 0 | 0 | ? | 1 |
| 1 | 0 | 1 | 1 | 1 | ? | 0 |
| 0 | 1 | 1 | 1 | 1 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 0 | 0 | 1 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 0 | 1 | 0 | 0 | ? | 1 |
| 1 | 1 | 0 | 0 | 0 | ? | 0 |
| 0 | 1 | 0 | 1 | 0 | ? | 0 |
| 1 | 1 | 1 | 0 | 0 | ? | 1 |
| 1 | 1 | 0 | 1 | 1 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 0 | 0 | 0 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 1 | 1 | 0 | 1 | ? | 0 |
| 0 | 1 | 1 | 1 | 0 | ? | 1 |
| 0 | 0 | 1 | 0 | 1 | ? | 0 |
| 1 | 0 | 1 | 1 | 1 | ? | 0 |
| 1 | 0 | 0 | 0 | 0 | ? | 1 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 0 | 0 | 0 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 0 | 0 | 0 | 1 | ? | 0 |
| 1 | 1 | 1 | 1 | 0 | ? | 0 |
| 0 | 0 | 1 | 0 | 0 | ? | 1 |
| 1 | 0 | 0 | 0 | 0 | ? | 1 |
| 0 | 1 | 0 | 0 | 0 | ? | 1 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 0 | 0 | 1 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 0 | 1 | 1 | 1 | ? | 1 |
| 1 | 0 | 0 | 1 | 0 | ? | 0 |
| 0 | 1 | 1 | 0 | 0 | ? | 0 |
| 1 | 1 | 1 | 0 | 1 | ? | 0 |
| 1 | 1 | 1 | 1 | 1 | ? | 1 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 1 | 0 | 1 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 0 | 0 | 0 | 1 | ? | 0 |
| 0 | 1 | 1 | 0 | 0 | ? | 0 |
| 1 | 0 | 0 | 0 | 1 | ? | 0 |
| 1 | 1 | 0 | 1 | 1 | ? | 0 |
| 0 | 0 | 1 | 0 | 1 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 0 | 0 | 1 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 1 | 0 | 1 | 0 | ? | 1 |
| 1 | 1 | 1 | 0 | 0 | ? | 1 |
| 0 | 0 | 0 | 1 | 0 | ? | 1 |
| 1 | 0 | 0 | 1 | 0 | ? | 0 |
| 0 | 1 | 0 | 0 | 0 | ? | 1 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 1 | 1 | 1 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 1 | 1 | 0 | 1 | ? | 1 |
| 0 | 1 | 0 | 1 | 1 | ? | 1 |
| 0 | 0 | 1 | 0 | 1 | ? | 0 |
| 1 | 0 | 1 | 0 | 1 | ? | 1 |
| 0 | 0 | 0 | 1 | 0 | ? | 1 |
| ? | ? | ? | ? | ? |  |  |
| 0 | 0 | 1 | 0 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 0 | 0 | 0 | 0 | ? | 1 |
| 1 | 1 | 1 | 1 | 0 | ? | 0 |
| 0 | 0 | 0 | 1 | 0 | ? | 1 |
| 1 | 0 | 1 | 1 | 1 | ? | 0 |
| 1 | 0 | 0 | 1 | 0 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 0 | 1 | 0 | 0 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 1 | 0 | 0 | 1 | ? | 1 |
| 0 | 1 | 0 | 1 | 1 | ? | 1 |
| 1 | 0 | 1 | 0 | 0 | ? | 0 |
| 0 | 0 | 1 | 0 | 1 | ? | 0 |
| 1 | 0 | 0 | 1 | 0 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 0 | 0 | 0 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 0 | 1 | 0 | 1 | ? | 1 |
| 1 | 1 | 1 | 0 | 1 | ? | 0 |
| 0 | 1 | 0 | 0 | 0 | ? | 1 |
| 0 | 0 | 1 | 0 | 1 | ? | 0 |
| 1 | 0 | 1 | 0 | 0 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 0 | 0 | 0 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 1 | 1 | 1 | 1 | ? |  |
| 0 | 0 | 1 | 1 | 0 | ? |  |
| 1 | 0 | 0 | 1 | 0 | ? |  |
| 0 | 1 | 1 | 0 | 0 | ? |  |
| 0 | 1 | 1 | 0 | 1 | ? |  |
| ? | ? | ? | ? | ? |  |  |
| 0 | 1 | 0 | 1 | 0 |  |  |

* Декодирование ( в красной клетке допустили ошибку, которую пользователь должен исправить)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 0 | 0 | 1 | 1 | ? | 0 |
| 0 | 1 | 0 | 0 | 1 | ? | 1 |
| 1 | 0 | 0 | 1 | 0 | ? | 0 |
| 1 | 1 | 0 | 0 | 0 | ? | 0 |
| 1 | 1 | 0 | 1 | 0 | ? | 1 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 1 | 1 | 1 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 0 | 1 | 1 | ? | 1 |
| 1 | 1 | 1 | 0 | 1 | ? | 0 |
| 0 | 1 | 1 | 0 | 1 | ? | 0 |
| 1 | 0 | 0 | 0 | 0 | ? | 1 |
| 0 | 1 | 0 | 1 | 1 | ? | 1 |
| ? | ? | ? | ? | ? |  |  |
| 0 | 1 | 0 | 0 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 0 | 1 | 1 | 0 | ? | 1 |
| 1 | 0 | 1 | 0 | 0 | ? | 0 |
| 1 | 0 | 1 | 1 | 0 | ? | 1 |
| 0 | 0 | 1 | 0 | 1 | ? | 0 |
| 0 | 0 | 0 | 0 | 0 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 0 | 0 | 0 | 0 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 0 | 1 | 1 | 0 | ? | 1 |
| 1 | 0 | 0 | 1 | 1 | ? | 1 |
| 0 | 0 | 0 | 1 | 0 | ? | 1 |
| 0 | 1 | 1 | 1 | 0 | ? | 0 |
| 1 | 0 | 0 | 0 | 1 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 0 | 1 | 0 | 0 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 1 | 0 | 1 | 0 | ? | 1 |
| 1 | 1 | 0 | 0 | 1 | ? | 0 |
| 0 | 1 | 0 | 0 | 0 | ? | 1 |
| 1 | 0 | 1 | 1 | 1 | ? | 0 |
| 0 | 1 | 1 | 1 | 1 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 0 | 0 | 1 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 0 | 1 | 0 | 0 | ? | 1 |
| 1 | 1 | 0 | 0 | 0 | ? | 0 |
| 0 | 1 | 0 | 1 | 0 | ? | 0 |
| 1 | 0 | 1 | 0 | 0 | ? | 1 |
| 1 | 1 | 0 | 1 | 1 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 0 | 0 | 0 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 0 | 1 | 0 | 1 | ? | 0 |
| 0 | 1 | 1 | 1 | 0 | ? | 1 |
| 0 | 0 | 1 | 0 | 1 | ? | 0 |
| 1 | 0 | 1 | 1 | 1 | ? | 0 |
| 1 | 0 | 0 | 0 | 0 | ? | 1 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 0 | 0 | 0 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 0 | 0 | 0 | 1 | ? | 0 |
| 1 | 0 | 1 | 1 | 0 | ? | 0 |
| 0 | 0 | 1 | 0 | 0 | ? | 1 |
| 1 | 0 | 0 | 0 | 0 | ? | 1 |
| 0 | 1 | 0 | 0 | 0 | ? | 1 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 0 | 0 | 1 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 0 | 1 | 1 | 1 | ? | 1 |
| 1 | 0 | 0 | 0 | 0 | ? | 0 |
| 0 | 1 | 1 | 0 | 0 | ? | 0 |
| 1 | 1 | 1 | 0 | 1 | ? | 0 |
| 1 | 1 | 1 | 1 | 1 | ? | 1 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 1 | 0 | 1 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 0 | 0 | 0 | 1 | ? | 0 |
| 0 | 1 | 1 | 0 | 0 | ? | 0 |
| 1 | 0 | 0 | 0 | 1 | ? | 0 |
| 1 | 1 | 0 | 1 | 1 | ? | 0 |
| 0 | 0 | 1 | 0 | 1 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 0 | 0 | 1 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 1 | 0 | 1 | 0 | ? | 1 |
| 1 | 1 | 1 | 0 | 0 | ? | 1 |
| 0 | 0 | 1 | 1 | 0 | ? | 1 |
| 1 | 0 | 0 | 1 | 0 | ? | 0 |
| 0 | 1 | 0 | 0 | 0 | ? | 1 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 1 | 1 | 1 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 1 | 1 | 0 | 1 | ? | 1 |
| 0 | 1 | 0 | 1 | 1 | ? | 1 |
| 0 | 0 | 1 | 0 | 1 | ? | 0 |
| 1 | 0 | 1 | 0 | 1 | ? | 1 |
| 1 | 0 | 0 | 1 | 0 | ? | 1 |
| ? | ? | ? | ? | ? |  |  |
| 0 | 0 | 1 | 0 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 0 | 0 | 0 | 0 | ? | 1 |
| 1 | 1 | 1 | 1 | 0 | ? | 0 |
| 0 | 0 | 0 | 1 | 0 | ? | 1 |
| 1 | 0 | 1 | 0 | 1 | ? | 0 |
| 1 | 0 | 0 | 1 | 0 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 0 | 1 | 0 | 0 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 1 | 0 | 0 | 1 | ? | 1 |
| 0 | 1 | 0 | 0 | 1 | ? | 1 |
| 1 | 0 | 1 | 0 | 0 | ? | 0 |
| 0 | 0 | 1 | 0 | 1 | ? | 0 |
| 1 | 0 | 0 | 1 | 0 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 0 | 0 | 0 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 0 | 1 | 0 | 1 | ? | 1 |
| 1 | 1 | 1 | 0 | 1 | ? | 0 |
| 0 | 1 | 0 | 0 | 0 | ? | 1 |
| 0 | 0 | 0 | 0 | 1 | ? | 0 |
| 1 | 0 | 1 | 0 | 0 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 0 | 0 | 0 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 1 | 1 | 1 | 1 | ? |  |
| 0 | 0 | 1 | 1 | 0 | ? |  |
| 1 | 0 | 0 | 1 | 0 | ? |  |
| 0 | 1 | 1 | 1 | 0 | ? |  |
| 0 | 1 | 1 | 0 | 1 | ? |  |
| ? | ? | ? | ? | ? |  |  |
| 0 | 1 | 0 | 1 | 0 |  |  |

**Примеры для теста**

* Кодирование

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 0 | 1 | 1 | ? | 1 |
| 1 | 0 | 1 | 1 | 0 | ? | 1 |
| 0 | 0 | 0 | 1 | 0 | ? | 1 |
| 0 | 1 | 0 | 0 | 1 | ? | 0 |
| 1 | 1 | 0 | 0 | 1 | ? | 1 |
| ? | ? | ? | ? | ? |  |  |
| 0 | 1 | 1 | 1 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 0 | 0 | 1 | 1 | ? | 1 |
| 1 | 0 | 1 | 0 | 0 | ? | 0 |
| 1 | 0 | 0 | 1 | 0 | ? | 0 |
| 0 | 1 | 1 | 1 | 1 | ? | 0 |
| 1 | 0 | 0 | 0 | 1 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 0 | 1 | 0 | 1 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 0 | 1 | 1 | 1 | ? | 0 |
| 0 | 0 | 1 | 0 | 0 | ? | 1 |
| 0 | 0 | 0 | 1 | 1 | ? | 0 |
| 1 | 1 | 1 | 0 | 0 | ? | 1 |
| 1 | 0 | 1 | 1 | 0 | ? | 1 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 1 | 0 | 1 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 0 | 1 | 1 | 0 | ? | 1 |
| 1 | 0 | 0 | 1 | 0 | ? | 0 |
| 0 | 1 | 1 | 1 | 0 | ? | 1 |
| 0 | 0 | 0 | 0 | 1 | ? | 1 |
| 1 | 1 | 1 | 0 | 1 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 0 | 1 | 1 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 0 | 0 | 0 | 1 | ? | 1 |
| 0 | 1 | 1 | 0 | 0 | ? | 0 |
| 0 | 1 | 0 | 0 | 1 | ? | 0 |
| 1 | 0 | 1 | 0 | 1 | ? | 1 |
| 0 | 0 | 0 | 1 | 1 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 0 | 0 | 1 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 0 | 1 | 1 | 0 | ? | 1 |
| 0 | 1 | 0 | 0 | 1 | ? | 0 |
| 1 | 1 | 0 | 1 | 1 | ? | 0 |
| 0 | 1 | 1 | 1 | 0 | ? | 1 |
| 0 | 0 | 1 | 0 | 1 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 0 | 1 | 1 | 1 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 0 | 1 | 0 | 1 | ? | 0 |
| 1 | 0 | 0 | 1 | 1 | ? | 1 |
| 1 | 0 | 0 | 1 | 1 | ? | 1 |
| 0 | 1 | 0 | 1 | 0 | ? | 0 |
| 0 | 1 | 1 | 0 | 1 | ? | 1 |
| ? | ? | ? | ? | ? |  |  |
| 0 | 0 | 0 | 1 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 0 | 1 | 0 | ? | 0 |
| 0 | 0 | 1 | 1 | 0 | ? | 0 |
| 1 | 0 | 0 | 1 | 1 | ? | 1 |
| 1 | 0 | 0 | 0 | 0 | ? | 1 |
| 1 | 1 | 1 | 1 | 1 | ? | 1 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 0 | 0 | 0 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 0 | 0 | 1 | 1 | ? | 1 |
| 0 | 1 | 0 | 1 | 0 | ? | 0 |
| 0 | 0 | 1 | 0 | 1 | ? | 0 |
| 0 | 1 | 1 | 0 | 1 | ? | 1 |
| 0 | 1 | 0 | 0 | 1 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 1 | 0 | 0 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 0 | 1 | 1 | 1 | ? | 0 |
| 0 | 0 | 1 | 0 | 1 | ? | 0 |
| 1 | 0 | 1 | 1 | 0 | ? | 1 |
| 0 | 1 | 1 | 1 | 1 | ? | 0 |
| 0 | 1 | 1 | 0 | 1 | ? | 1 |
| ? | ? | ? | ? | ? |  |  |
| 0 | 0 | 1 | 1 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 1 | 1 | 1 | 0 | ? | 0 |
| 0 | 1 | 0 | 0 | 0 | ? | 1 |
| 1 | 1 | 0 | 0 | 0 | ? | 0 |
| 1 | 1 | 0 | 0 | 1 | ? | 1 |
| 0 | 1 | 0 | 1 | 0 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 1 | 1 | 0 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 0 | 0 | 1 | 0 | ? | 0 |
| 1 | 1 | 1 | 0 | 1 | ? | 0 |
| 0 | 1 | 0 | 1 | 1 | ? | 1 |
| 1 | 0 | 0 | 1 | 0 | ? | 0 |
| 1 | 0 | 1 | 1 | 0 | ? | 1 |
| ? | ? | ? | ? | ? |  |  |
| 0 | 0 | 0 | 0 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 1 | 1 | 0 | 1 | ? | 0 |
| 0 | 0 | 0 | 0 | 0 | ? | 0 |
| 1 | 0 | 1 | 1 | 1 | ? | 0 |
| 1 | 0 | 1 | 1 | 0 | ? | 1 |
| 1 | 0 | 1 | 0 | 1 | ? | 1 |
| ? | ? | ? | ? | ? |  |  |
| 0 | 1 | 0 | 0 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 1 | 0 | 0 | 0 | ? | 0 |
| 0 | 1 | 0 | 0 | 1 | ? | 0 |
| 0 | 1 | 0 | 1 | 1 | ? | 1 |
| 0 | 1 | 0 | 1 | 1 | ? | 1 |
| 1 | 1 | 1 | 0 | 1 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 0 | 1 | 1 | 0 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 0 | 1 | 1 | 0 | ? | 0 |
| 1 | 0 | 0 | 0 | 1 | ? | 0 |
| 0 | 1 | 1 | 0 | 1 | ? | 1 |
| 1 | 1 | 1 | 1 | 0 | ? | 0 |
| 0 | 1 | 1 | 1 | 0 | ? | 1 |
| ? | ? | ? | ? | ? |  |  |
| 0 | 1 | 0 | 1 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 0 | 1 | 1 | ? | 1 |
| 1 | 1 | 0 | 0 | 1 | ? | 1 |
| 1 | 1 | 0 | 1 | 1 | ? | 0 |
| 1 | 1 | 0 | 1 | 1 | ? | 0 |
| 0 | 0 | 1 | 0 | 0 | ? | 1 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 0 | 1 | 1 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 0 | 0 | 1 | 1 | ? | 0 |
| 1 | 1 | 0 | 0 | 0 | ? | 0 |
| 0 | 1 | 0 | 1 | 1 | ? | 1 |
| 1 | 1 | 1 | 1 | 0 | ? | 0 |
| 1 | 1 | 1 | 1 | 1 | ? | 1 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 0 | 0 | 0 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 0 | 0 | 0 | 1 | ? | 0 |
| 0 | 0 | 1 | 0 | 1 | ? | 0 |
| 0 | 0 | 1 | 1 | 0 | ? | 0 |
| 0 | 1 | 0 | 0 | 0 | ? | 1 |
| 0 | 1 | 1 | 1 | 1 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 0 | 1 | 0 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 0 | 1 | 0 | ? | 0 |
| 1 | 0 | 1 | 0 | 0 | ? | 0 |
| 0 | 0 | 0 | 1 | 1 | ? | 0 |
| 1 | 1 | 1 | 1 | 0 | ? | 0 |
| 0 | 1 | 0 | 1 | 1 | ? | 1 |
| ? | ? | ? | ? | ? |  |  |
| 0 | 1 | 0 | 0 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 0 | 0 | 0 | 0 | ? | 1 |
| 0 | 1 | 0 | 0 | 1 | ? | 0 |
| 1 | 0 | 1 | 1 | 0 | ? | 1 |
| 1 | 0 | 0 | 0 | 1 | ? | 0 |
| 0 | 1 | 1 | 0 | 0 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 0 | 0 | 1 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 0 | 1 | 0 | 0 | ? | 0 |
| 1 | 0 | 0 | 1 | 1 | ? | 1 |
| 1 | 1 | 1 | 1 | 0 | ? | 0 |
| 0 | 0 | 0 | 0 | 0 | ? | 0 |
| 1 | 1 | 0 | 1 | 1 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 0 | 0 | 0 | 1 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 0 | 0 | 0 | ? | 1 |
| 1 | 1 | 1 | 1 | 0 | ? | 0 |
| 1 | 1 | 1 | 0 | 1 | ? | 0 |
| 0 | 0 | 0 | 1 | 1 | ? | 0 |
| 1 | 1 | 0 | 1 | 0 | ? | 1 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 0 | 0 | 1 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 0 | 0 | 1 | 0 | ? | 0 |
| 0 | 1 | 1 | 0 | 1 | ? | 1 |
| 1 | 1 | 0 | 1 | 1 | ? | 0 |
| 0 | 0 | 0 | 0 | 1 | ? | 1 |
| 1 | 1 | 0 | 0 | 0 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 1 | 1 | 0 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 0 | 1 | 0 | ? | 0 |
| 1 | 1 | 1 | 0 | 1 | ? | 0 |
| 0 | 0 | 0 | 1 | 0 | ? | 1 |
| 1 | 1 | 1 | 1 | 0 | ? | 0 |
| 0 | 1 | 0 | 0 | 0 | ? | 1 |
| ? | ? | ? | ? | ? |  |  |
| 0 | 0 | 0 | 1 | 1 |  |  |

* Декодирование(в красной клетке находится ошибка )

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 0 | 0 | 1 | ? | 0 |
| 1 | 0 | 1 | 0 | 0 | ? | 1 |
| 1 | 1 | 0 | 0 | 1 | ? | 1 |
| 1 | 1 | 1 | 0 | 0 | ? | 1 |
| 1 | 1 | 0 | 1 | 1 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 0 | 0 | 1 | 1 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 0 | 0 | 1 | 1 | ? | 1 |
| 1 | 0 | 1 | 0 | 0 | ? | 0 |
| 0 | 1 | 0 | 1 | 0 | ? | 0 |
| 1 | 1 | 1 | 1 | 0 | ? | 1 |
| 1 | 1 | 1 | 0 | 1 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 0 | 0 | 1 | 1 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 0 | 0 | 1 | 0 | ? | 1 |
| 1 | 1 | 0 | 1 | 1 | ? | 0 |
| 0 | 1 | 1 | 0 | 1 | ? | 1 |
| 0 | 0 | 1 | 1 | 1 | ? | 1 |
| 1 | 0 | 1 | 0 | 1 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 0 | 0 | 1 | 0 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 0 | 1 | 0 | ? | 0 |
| 1 | 1 | 0 | 0 | 0 | ? | 0 |
| 0 | 0 | 0 | 1 | 0 | ? | 0 |
| 1 | 1 | 1 | 1 | 0 | ? | 0 |
| 0 | 1 | 1 | 1 | 0 | ? | 1 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 0 | 0 | 0 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 1 | 0 | 1 | ? | 1 |
| 1 | 0 | 0 | 0 | 0 | ? | 0 |
| 1 | 1 | 0 | 0 | 1 | ? | 1 |
| 1 | 1 | 0 | 0 | 0 | ? | 0 |
| 0 | 0 | 0 | 0 | 1 | ? | 1 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 1 | 1 | 1 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 0 | 0 | 1 | 0 | ? | 0 |
| 1 | 0 | 0 | 1 | 1 | ? | 1 |
| 0 | 1 | 1 | 0 | 1 | ? | 0 |
| 1 | 1 | 0 | 1 | 0 | ? | 1 |
| 1 | 0 | 1 | 0 | 0 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 0 | 0 | 0 | 1 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 1 | 1 | 1 | ? | 0 |
| 0 | 0 | 1 | 0 | 1 | ? | 0 |
| 1 | 0 | 0 | 1 | 1 | ? | 1 |
| 1 | 0 | 1 | 0 | 0 | ? | 1 |
| 1 | 0 | 0 | 0 | 0 | ? | 1 |
| ? | ? | ? | ? | ? |  |  |
| 0 | 1 | 1 | 0 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 0 | 0 | 1 | 1 | ? | 0 |
| 1 | 0 | 0 | 1 | 0 | ? | 0 |
| 0 | 0 | 1 | 1 | 0 | ? | 0 |
| 1 | 0 | 1 | 0 | 1 | ? | 1 |
| 1 | 1 | 1 | 1 | 1 | ? | 1 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 1 | 1 | 0 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 0 | 1 | 1 | 0 | ? | 0 |
| 1 | 0 | 1 | 1 | 1 | ? | 1 |
| 0 | 0 | 1 | 1 | 0 | ? | 0 |
| 1 | 1 | 1 | 0 | 1 | ? | 0 |
| 1 | 1 | 0 | 0 | 0 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 0 | 1 | 1 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 0 | 0 | 1 | ? |  |
| 0 | 0 | 1 | 0 | 1 | ? |  |
| 1 | 1 | 1 | 0 | 1 | ? |  |
| 0 | 1 | 0 | 1 | 0 | ? |  |
| 0 | 0 | 0 | 0 | 1 | ? |  |
| ? | ? | ? | ? | ? |  |  |
|  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 0 | 0 | 0 | ? | 1 |
| 0 | 0 | 0 | 1 | 1 | ? | 0 |
| 1 | 1 | 0 | 1 | 0 | ? | 1 |
| 1 | 1 | 1 | 0 | 0 | ? | 1 |
| 1 | 0 | 1 | 1 | 0 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 0 | 0 | 1 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 1 | 0 | 0 | 0 | ? | 0 |
| 0 | 0 | 1 | 0 | 1 | ? | 1 |
| 1 | 1 | 0 | 0 | 1 | ? | 1 |
| 1 | 1 | 1 | 1 | 0 | ? | 0 |
| 1 | 0 | 1 | 1 | 1 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 1 | 1 | 0 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 1 | 1 | 0 | ? | 1 |
| 1 | 1 | 0 | 0 | 1 | ? | 0 |
| 0 | 0 | 0 | 1 | 0 | ? | 1 |
| 0 | 1 | 1 | 0 | 0 | ? | 0 |
| 1 | 1 | 1 | 0 | 1 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 0 | 0 | 0 | 0 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 1 | 0 | 1 | 0 | ? | 1 |
| 1 | 1 | 0 | 1 | 1 | ? | 0 |
| 0 | 0 | 0 | 0 | 1 | ? | 1 |
| 1 | 0 | 1 | 0 | 1 | ? | 0 |
| 1 | 1 | 0 | 0 | 0 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 0 | 1 | 0 | 0 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 0 | 1 | 0 | 0 | ? | 0 |
| 1 | 1 | 0 | 1 | 1 | ? | 0 |
| 1 | 0 | 1 | 0 | 0 | ? | 1 |
| 1 | 1 | 1 | 1 | 1 | ? | 1 |
| 1 | 1 | 0 | 0 | 0 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 0 | 1 | 0 | 0 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 1 | 0 | 1 | ? | 0 |
| 1 | 0 | 1 | 0 | 0 | ? | 0 |
| 0 | 0 | 1 | 1 | 1 | ? | 1 |
| 0 | 0 | 1 | 0 | 1 | ? | 0 |
| 1 | 1 | 0 | 1 | 0 | ? | 1 |
| ? | ? | ? | ? | ? |  |  |
| 0 | 0 | 0 | 1 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 0 | 1 | 1 | ? | 1 |
| 0 | 0 | 1 | 1 | 0 | ? | 0 |
| 0 | 0 | 1 | 0 | 1 | ? | 1 |
| 1 | 0 | 1 | 0 | 0 | ? | 0 |
| 0 | 1 | 1 | 0 | 1 | ? | 1 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 0 | 0 | 1 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 1 | 0 | 1 | 0 | ? | 1 |
| 1 | 0 | 0 | 1 | 1 | ? | 1 |
| 0 | 1 | 1 | 0 | 1 | ? | 1 |
| 0 | 1 | 0 | 1 | 1 | ? | 0 |
| 1 | 0 | 1 | 0 | 0 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 0 | 0 | 1 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 0 | 1 | 1 | ? | 0 |
| 0 | 1 | 1 | 0 | 1 | ? | 1 |
| 0 | 0 | 1 | 0 | 1 | ? | 0 |
| 1 | 1 | 1 | 1 | 0 | ? | 0 |
| 0 | 1 | 0 | 1 | 0 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 1 | 1 | 1 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 1 | 1 | 0 | ? | 1 |
| 1 | 1 | 0 | 0 | 1 | ? | 1 |
| 0 | 1 | 0 | 1 | 0 | ? | 0 |
| 0 | 0 | 1 | 1 | 1 | ? | 0 |
| 0 | 1 | 1 | 0 | 0 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 0 | 1 | 1 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 0 | 0 | 1 | 0 | ? | 1 |
| 1 | 1 | 0 | 0 | 1 | ? | 1 |
| 0 | 1 | 1 | 1 | 1 | ? | 0 |
| 0 | 1 | 1 | 1 | 0 | ? | 1 |
| 0 | 1 | 0 | 1 | 1 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 1 | 0 | 0 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 0 | 1 | 1 | 0 | ? | 1 |
| 0 | 1 | 1 | 1 | 1 | ? | 0 |
| 0 | 1 | 0 | 1 | 0 | ? | 0 |
| 1 | 1 | 0 | 1 | 0 | ? | 0 |
| 1 | 1 | 1 | 0 | 0 | ? | 1 |
| ? | ? | ? | ? | ? |  |  |
| 1 | 0 | 0 | 0 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 0 | 0 | 0 | 1 | ? | 0 |
| 0 | 1 | 0 | 1 | 1 | ? | 1 |
| 1 | 1 | 0 | 1 | 0 | ? | 0 |
| 1 | 1 | 0 | 0 | 1 | ? | 1 |
| 1 | 1 | 1 | 0 | 0 | ? | 1 |
| ? | ? | ? | ? | ? |  |  |
| 0 | 0 | 1 | 1 | 1 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 1 | 1 | 1 | 0 | ? | 0 |
| 0 | 0 | 1 | 1 | 1 | ? | 1 |
| 1 | 0 | 0 | 0 | 0 | ? | 0 |
| 1 | 0 | 1 | 0 | 1 | ? | 1 |
| 1 | 1 | 0 | 1 | 0 | ? | 0 |
| ? | ? | ? | ? | ? |  |  |
| 0 | 0 | 0 | 1 | 0 |  |  |