|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |
|  | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 |
| 1 | 0 |  | 1 |  | 0 |  | 1 |  | 0 |  | 1 |  | 0 |  | 0 |  | 1 |  | 0 |  | 1 |  | 0 |  | 1 |  | 0 |  | 0 |  | 0 |  | 1 |  | 1 |  |
| 2 |  | 0 | 1 |  |  | 0 | 1 |  |  | 1 | 1 |  |  | 0 | 0 |  |  | 1 | 0 |  |  | 1 | 0 |  |  | 0 | 0 |  |  | 1 | 0 |  |  | 1 | 1 |  |
| 4 |  |  |  | 0 | 0 | 0 | 1 |  |  |  |  | 0 | 0 | 0 | 0 |  |  |  |  | 1 | 1 | 1 | 0 |  |  |  |  | 0 | 0 | 1 | 0 |  |  |  |  | 1 |
| 8 |  |  |  |  |  |  |  | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |  |  |  |  |  |  |  |  | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |  |  |  |  |  |
| 32 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 | 1 | 1 | 1 | 1 |

Подсчитав количество единиц в контрольных разрядах, получим:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |
|  | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 |
| 1 | 0 |  | 1 |  | 0 |  | 1 |  | 0 |  | 1 |  | 0 |  | 0 |  | 1 |  | 0 |  | 1 |  | 0 |  | 1 |  | 0 |  | 0 |  | 0 |  | 1 |  | 1 |  |
| 2 |  | 0 | 1 |  |  | 0 | 1 |  |  | 1 | 1 |  |  | 0 | 0 |  |  | 1 | 0 |  |  | 1 | 0 |  |  | 0 | 0 |  |  | 1 | 0 |  |  | 1 | 1 |  |
| 4 |  |  |  | 0 | 0 | 0 | 1 |  |  |  |  | 0 | 0 | 0 | 0 |  |  |  |  | 1 | 1 | 1 | 0 |  |  |  |  | 0 | 0 | 1 | 0 |  |  |  |  | 1 |
| 8 |  |  |  |  |  |  |  | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |  |  |  |  |  |  |  |  | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |  |  |  |  |  |
| 32 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 | 1 | 1 | 1 | 1 |

1-кратная ошибка:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |
|  | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 |
| 1 | 0 |  | 1 |  | 0 |  | 1 |  | 0 |  | 1 |  | 0 |  | 0 |  | 1 |  | 0 |  | 1 |  | 0 |  | 1 |  | 0 |  | 0 |  | 0 |  | 1 |  | 1 |  |
| 2 |  | 0 | 1 |  |  | 0 | 1 |  |  | 0 | 1 |  |  | 0 | 0 |  |  | 1 | 0 |  |  | 1 | 0 |  |  | 0 | 0 |  |  | 1 | 0 |  |  | 1 | 1 |  |
| 4 |  |  |  | 0 | 0 | 0 | 1 |  |  |  |  | 0 | 0 | 0 | 0 |  |  |  |  | 1 | 1 | 1 | 0 |  |  |  |  | 0 | 0 | 1 | 0 |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |  |  |  |  |  |  |  |  | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |  |  |  |  |  |
| 32 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 | 1 | 1 | 1 | 1 |

Можем заметить, что значения 2 и 8 разрядов не совпадают с изначальными. Следовательно, ошибка находится в разряде (2+8), т.е. в 10

2-кратная ошибка:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |
|  | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 |
| 1 | 0 |  | 1 |  | 0 |  | 1 |  | 0 |  | 0 |  | 0 |  | 0 |  | 1 |  | 0 |  | 1 |  | 0 |  | 1 |  | 1 |  | 0 |  | 0 |  | 1 |  | 1 |  |
| 2 |  | 0 | 1 |  |  | 0 | 1 |  |  | 1 | 0 |  |  | 0 | 0 |  |  | 1 | 0 |  |  | 1 | 0 |  |  | 0 | 1 |  |  | 1 | 0 |  |  | 1 | 1 |  |
| 4 |  |  |  | 0 | 0 | 0 | 1 |  |  |  |  | 0 | 0 | 0 | 0 |  |  |  |  | 1 | 1 | 1 | 0 |  |  |  |  | 0 | 0 | 1 | 0 |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |  |  |  |  |  |  |  |  | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |  |  |  |  |  |
| 32 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 | 1 | 1 | 1 | 1 |