1. 图片包含 游戏机, 文字

描述已自动生成

2. G（x）= x3 + x + 1 即P = 1011

图片包含 游戏机, 文字

描述已自动生成

3. 信息码：10011101 海明编码：p1 p2 1 p3 0 0 1 p4 1 1 0 1

即

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| P1 | P2 | 1 | P3 | 0 | 0 | 1 | P4 | 1 | 1 | 0 | 1 |
| √ |  | √ |  | √ |  | √ |  | √ |  | √ |  |
|  | √ | √ |  |  | √ | √ |  |  | √ | √ |  |
|  |  |  | √ | √ | √ | √ |  |  |  |  | √ |
|  |  |  |  |  |  |  | √ | √ | √ | √ | √ |

第一组：p1 1 0 1 1 0

第二组：p2 1 0 1 1 0

第三组：p3 0 0 1 1

第四组：p4 1 1 0 1

使用奇校验：为p1=0 p2=0 p3=1 p4=0

所以海明编码为0 0 1 1 0 0 1 0 1 1 0 1