|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Code de gray | | | | Code binaire | | | | | hexadecimal |
| G4 | G3 | G2 | G1 | H4 | H3 | | H2 | H1 |  |
| 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 1 | 0 | | 0 | 0 | 1 | 1 |
| 0 | 0 | 1 | 1 | 0 | | 0 | 1 | 0 | 2 |
| 0 | 0 | 1 | 0 | 0 | | 0 | 1 | 1 | 3 |
| 0 | 1 | 1 | 0 | 0 | | 1 | 0 | 0 | 4 |
| 0 | 1 | 1 | 1 | 0 | | 1 | 0 | 1 | 5 |
| 0 | 1 | 0 | 1 | 0 | | 1 | 1 | 0 | 6 |
| 0 | 1 | 0 | 0 | 0 | | 1 | 1 | 1 | 7 |
| 1 | 1 | 0 | 0 | 1 | | 0 | 0 | 0 | 8 |
| 1 | 1 | 0 | 1 | 1 | | 0 | 0 | 1 | 9 |
| 1 | 1 | 1 | 1 | 1 | | 0 | 1 | 0 | 10 |
| 1 | 1 | 1 | 0 | 1 | | 0 | 1 | 1 | 11 |
| 1 | 0 | 1 | 0 | 1 | | 1 | 0 | 0 | 12 |
| 1 | 0 | 1 | 1 | 1 | | 1 | 0 | 1 | 13 |
| 1 | 0 | 0 | 1 | 1 | | 1 | 1 | 0 | 14 |
| 1 | 0 | 0 | 0 | 1 | | 1 | 1 | 1 | 15 |

**TP ARCHITECTURE DES OPRDINATEURS**

**PARTICIPANTS**

**PAPE SOCE NDIAYE**

**PAPE YATMA MBODJ**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| G2G1  G4G3 | 00 | 01 | 11 | 10 |
| 00 |  | 1 |  | 1 |
| 01 | 1 |  | 1 |  |
| 11 |  | 1 |  | 1 |
| 10 | 1 |  | 1 |  |

**TABLE DE KARNAUGH**

**TABLE DE KARNAUGH DE H1**  **TABLE DE KARNAUGH DE H2**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| G2G1  G4G3 | 00 | 01 | 11 | 10 |
| 00 |  |  | 1 | 1 |
| 01 | 1 | 1 |  |  |
| 11 |  |  | 1 | 1 |
| 10 | 1 | 1 |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| G2G1  G4G3 | 00 | 01 | 11 | 10 |
| 00 |  |  |  |  |
| 01 | 1 | 1 | 1 | 1 |
| 11 |  |  |  |  |
| 10 | 1 | 1 | 1 | 1 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| G2G1  G4G3 | 00 | 01 | 11 | 10 |
| 00 |  |  |  |  |
| 01 |  |  |  |  |
| 11 | 1 | 1 | 1 | 1 |
| 10 | 1 | 1 | 1 | 1 |

**TABLE DE KARNAUGH DE H3 TABLE DE KARNAUGH DE H4**

SIMPLIFICATION DES TABLE DE KARNAUGH

H2 = G2 + G4 G2 + G4 G3 G2 +G3

H2 = (G4 + G3) + G2 (G4 G3)

H2 = G2 (G4⊕G3) + G2 ()

**H2 = G2⊕G3⊕G4**

H3 = G4 + = G****3



**H3=G3⊕G4**

**H4 = G4**



H1 = G1 + G2 + G4 +G4 G2 G1 + G4 G3 G1 + G4 G3 G2 G1 + + G2 G1

H1 = G1+ G2 )

H1 = + G4 G3 () + G4 () + G3 ()

H1 = () ( + () (G4 + G3)

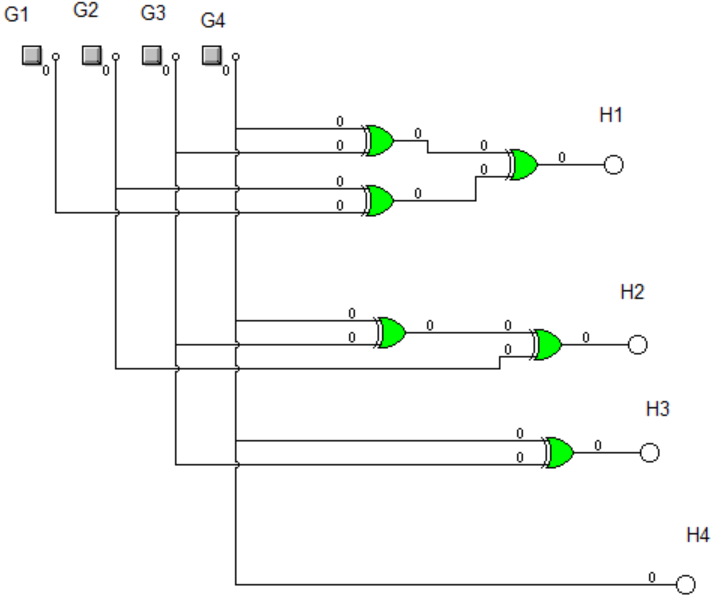
H1 = () () + () (G4⊕G3)

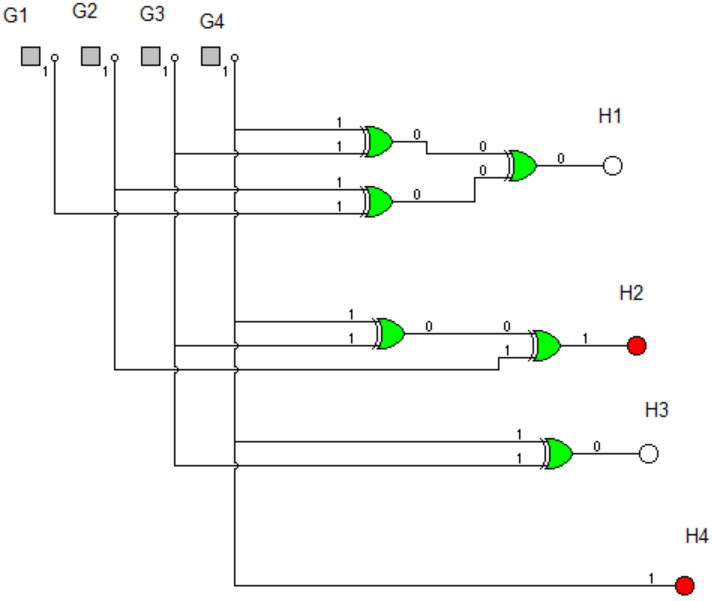
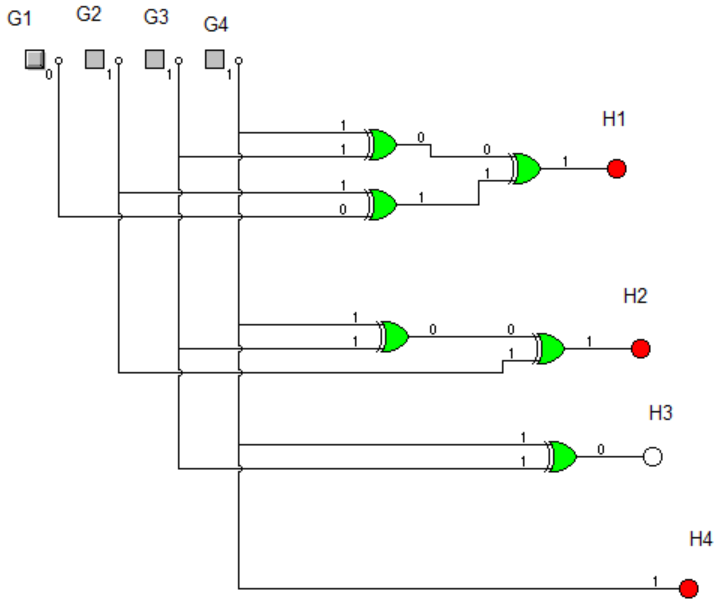
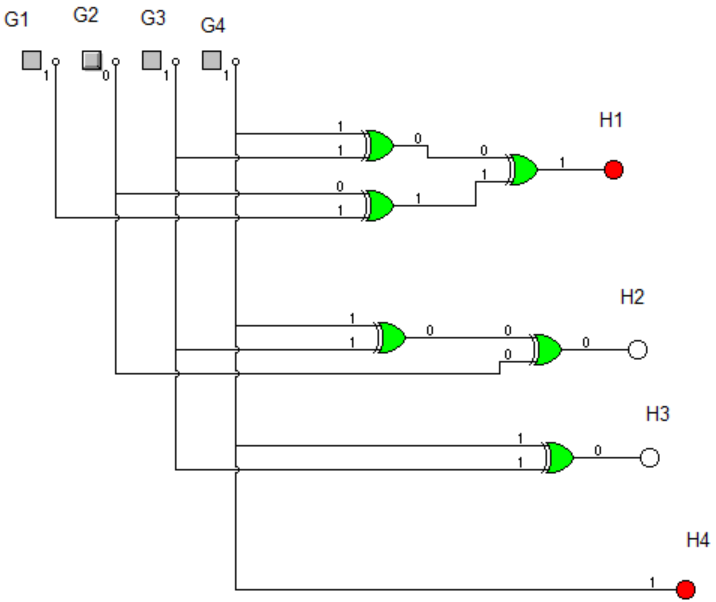
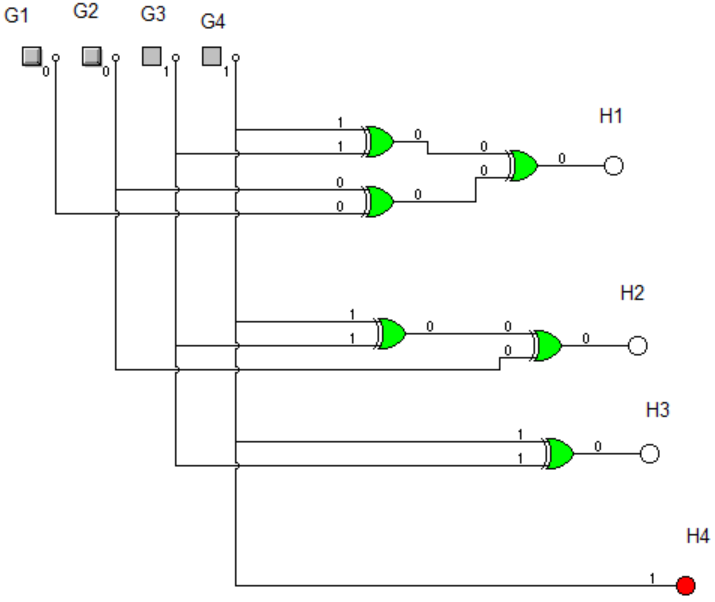
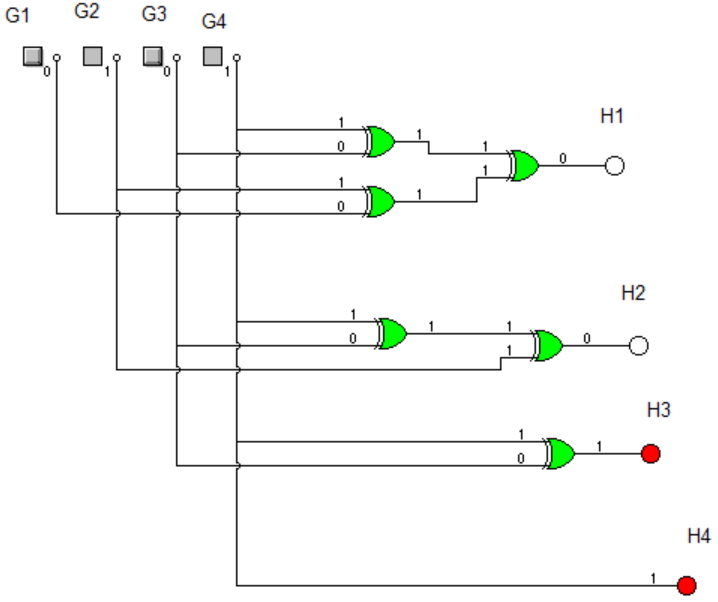
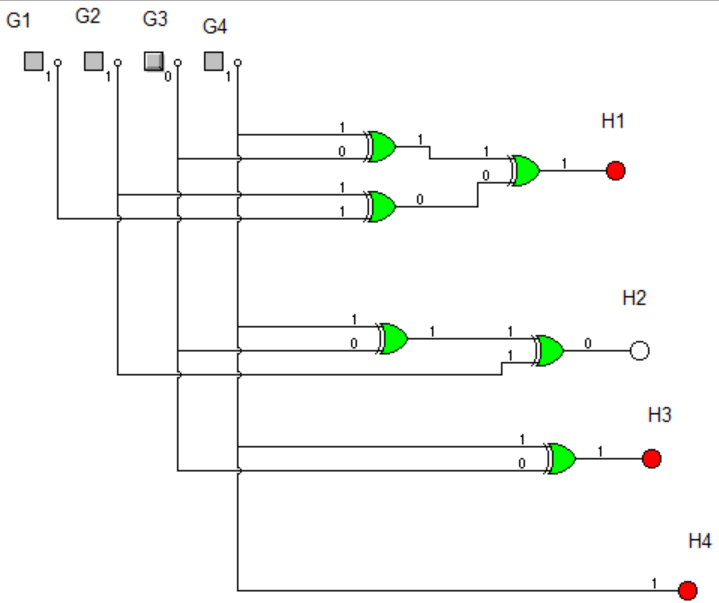
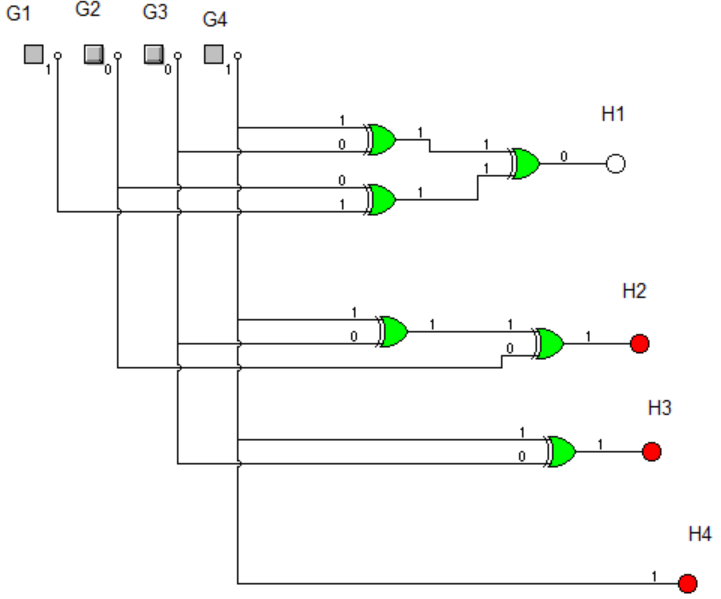
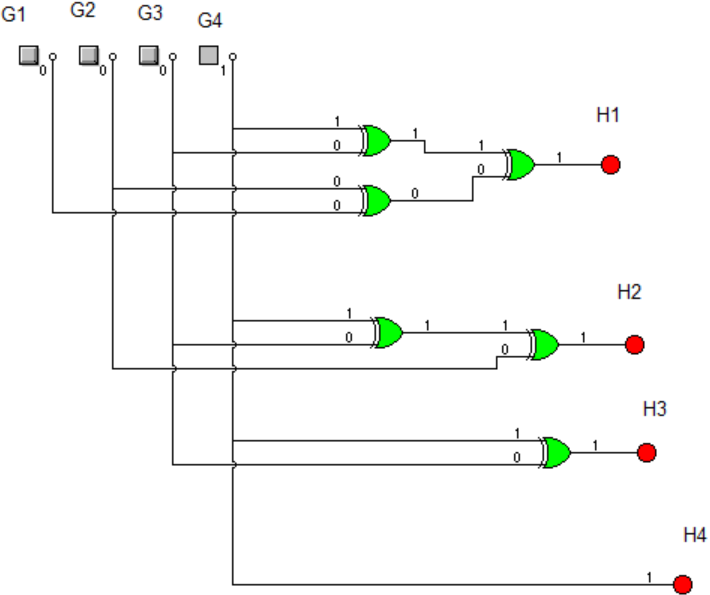
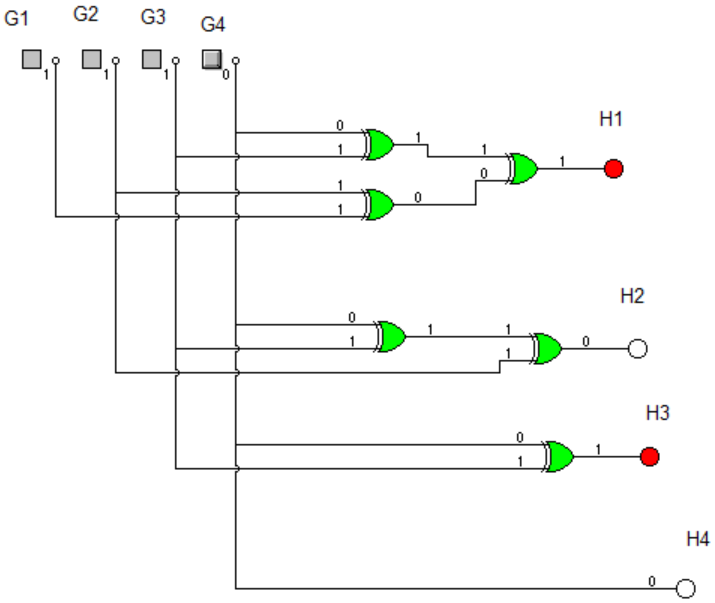
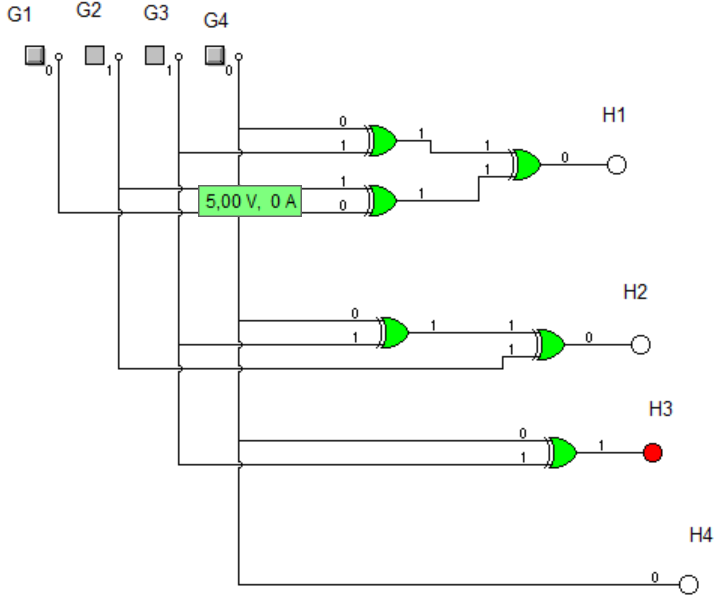
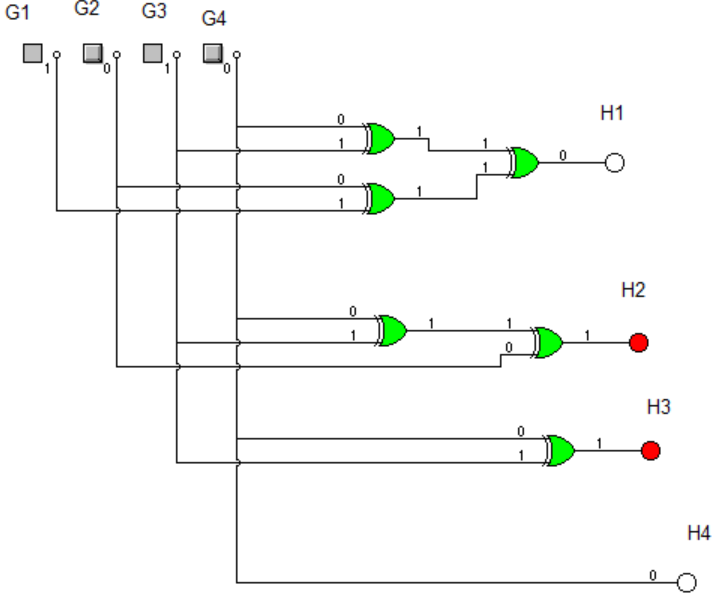
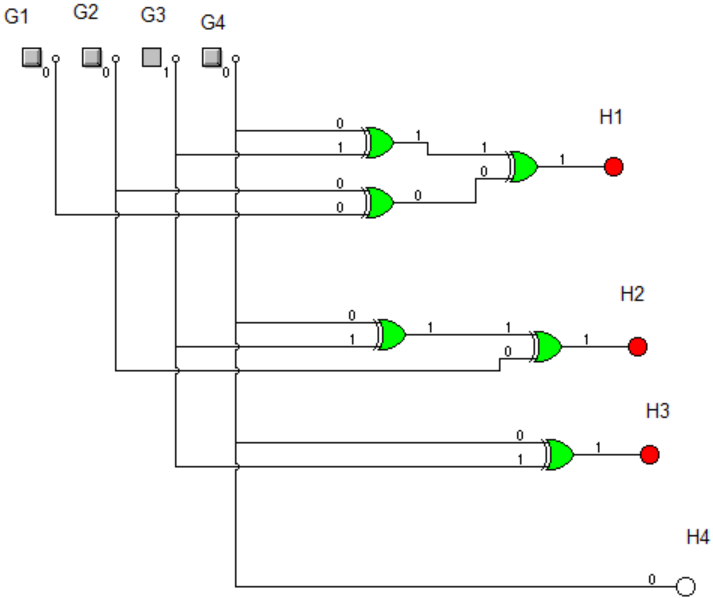
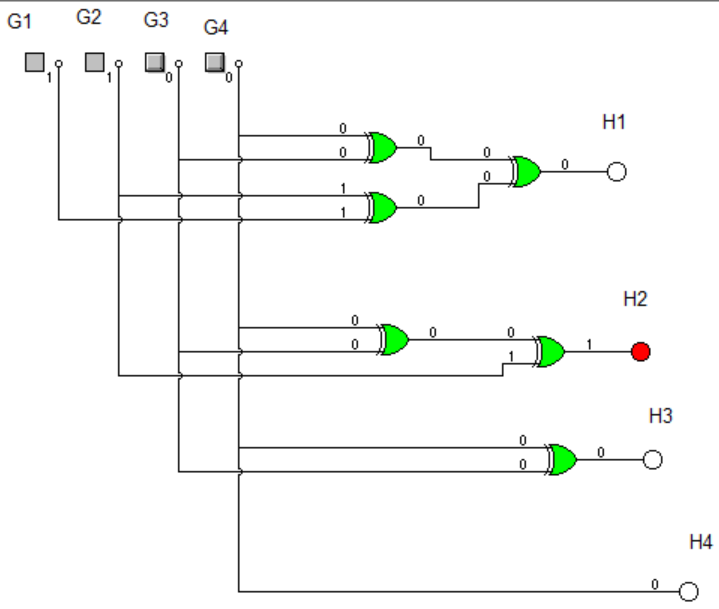
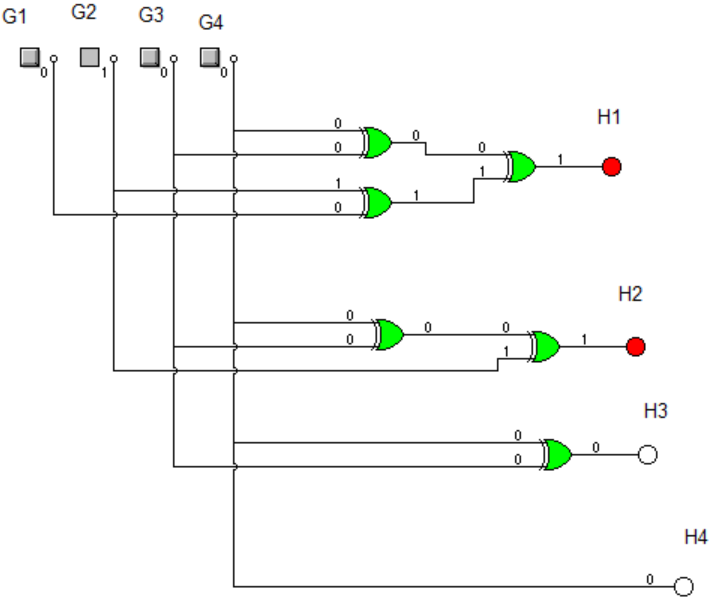
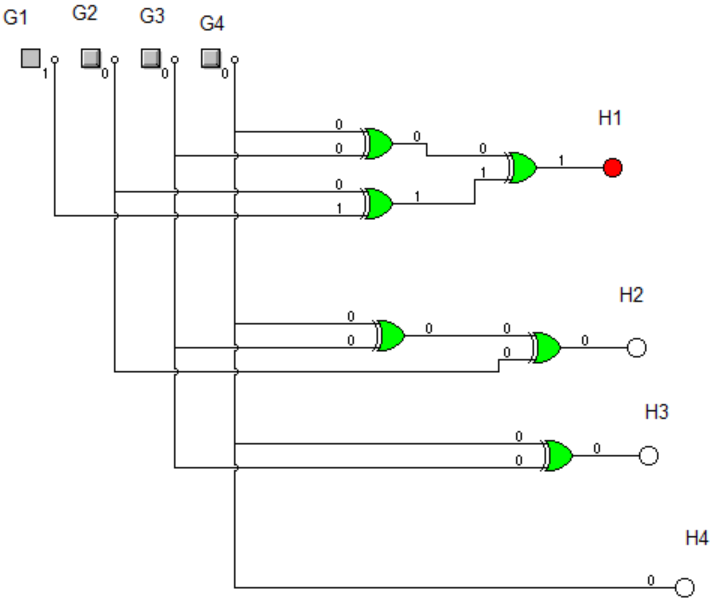
H1 = () (G4⊕G3)

**H1 = G4⊕G3**

CIRCUIT LOGIQUE ET TESTE

CIRCUIT



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