Truth table

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A** | **B** | **C** | **D** | **F** | **a** | **b** | **c** | **d** | **e** | **f** | **g** |
| **0** | **0** | **0** | **0** | **S** | **1** | **0** | **1** | **1** | **0** | **1** | **1** |
| **0** | **0** | **0** | **1** | **P** | **1** | **1** | **0** | **0** | **1** | **1** | **1** |
| **0** | **0** | **1** | **0** | **1** | **0** | **1** | **1** | **0** | **0** | **0** | **0** |
| **0** | **0** | **1** | **1** | **8** | **1** | **1** | **1** | **1** | **1** | **1** | **1** |
| **0** | **1** | **0** | **0** | **-** | **0** | **0** | **0** | **0** | **0** | **0** | **1** |
| **0** | **1** | **0** | **1** | **C** | **1** | **0** | **0** | **1** | **1** | **1** | **0** |
| **0** | **1** | **1** | **0** | **S** | **1** | **0** | **1** | **1** | **0** | **1** | **1** |
| **0** | **1** | **1** | **1** | **E** | **1** | **0** | **0** | **1** | **1** | **1** | **1** |
| **1** | **0** | **0** | **0** | **2** | **1** | **1** | **0** | **1** | **1** | **0** | **1** |
| **1** | **0** | **0** | **1** | **3** | **1** | **1** | **1** | **1** | **0** | **0** | **1** |
| **1** | **0** | **1** | **0** | **1** | **0** | **1** | **1** | **0** | **0** | **0** | **0** |
| **1** | **0** | **1** | **1** | **-** | **0** | **0** | **0** | **0** | **0** | **0** | **1** |
| **1** | **1** | **0** | **0** | **0** | **1** | **1** | **1** | **1** | **1** | **1** | **0** |
| **1** | **1** | **0** | **1** | **1** | **0** | **1** | **1** | **0** | **0** | **0** | **0** |
| **1** | **1** | **1** | **0** |  | **0** | **0** | **0** | **0** | **0** | **0** | **0** |
| **1** | **1** | **1** | **1** |  | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| A | B | C | D | F | a |  | b |  | c |  | d |  | e |  | f |  | g |  |
| **0** | **0** | **0** | **0** | **S** | **1** |  | **0** |  | **1** |  | **1** |  | **0** |  | **1** |  | **1** |  |
| **0** | **0** | **0** | **1** | **P** | **1** | **I0=1** | **1** | **I0=D** | **0** | **I0=D’** | **0** | **I0=D’** | **1** | **I0=D** | **1** | **I0=1** | **1** | **I0=1** |
| **0** | **0** | **1** | **0** | **1** | **0** |  | **1** |  | **1** |  | **0** |  | **0** |  | **0** |  | **0** |  |
| **0** | **0** | **1** | **1** | **8** | **1** | **I1=D** | **1** | **I1=1** | **1** | **I1=1** | **1** | **I1=D** | **1** | **I1=D** | **1** | **I1=D** | **1** | **I1=D** |
| **0** | **1** | **0** | **0** | **-** | **0** |  | **0** |  | **0** |  | **0** |  | **0** |  | **0** |  | **1** |  |
| **0** | **1** | **0** | **1** | **C** | **1** | **I2=D** | **0** | **I2=0** | **0** | **I2=0** | **1** | **I2=D** | **1** | **I2=D** | **1** | **I2=D** | **0** | **I2=D’** |
| **0** | **1** | **1** | **0** | **S** | **1** |  | **0** |  | **1** |  | **1** |  | **0** |  | **1** |  | **1** |  |
| **0** | **1** | **1** | **1** | **E** | **1** | **I3=1** | **0** | **I3=0** | **0** | **I3=D’** | **1** | **I3=1** | **1** | **I3=D** | **1** | **I3=1** | **1** | **I3=1** |
| **1** | **0** | **0** | **0** | **2** | **1** |  | **1** |  | **0** |  | **1** |  | **1** |  | **0** |  | **1** |  |
| **1** | **0** | **0** | **1** | **3** | **1** | **I4=1** | **1** | **I4=1** | **1** | **I4=D** | **1** | **I4=1** | **0** | **I4=D’** | **0** | **I4=0** | **1** | **I4=1** |
| **1** | **0** | **1** | **0** | **1** | **0** |  | **1** |  | **1** |  | **0** |  | **0** |  | **0** |  | **0** |  |
| **1** | **0** | **1** | **1** | **-** | **0** | **I5=0** | **0** | **I5=D’** | **0** | **I5=D’** | **0** | **I5=0** | **0** | **I5=0** | **0** | **I5=0** | **1** | **I5=D** |
| **1** | **1** | **0** | **0** | **0** | **1** |  | **1** |  | **1** |  | **1** |  | **1** |  | **1** |  | **0** |  |
| **1** | **1** | **0** | **1** | **1** | **0** | **I6=D’** | **1** | **I6=1** | **1** | **I6=1** | **0** | **I6=D’** | **0** | **I6=D’** | **0** | **I6=D’** | **0** | **I6=0** |
| **1** | **1** | **1** | **0** |  | **0** |  | **0** |  | **0** |  | **0** |  | **0** |  | **0** |  | **0** |  |
| **1** | **1** | **1** | **1** |  | **0** | **I7=0** | **0** | **I7=0** | **0** | **I7=0** | **0** | **I7=0** | **0** | **I7=0** | **0** | **I7=0** | **0** | **I7=0** |