COMPUTER ARCHITECTURE

AIM:-To implement 3 bit full adder

DIAGRAM:-

|  |
| --- |
|  |

TRUTH TABLE:-

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A | B | C(in) | SUM | CARRY |
| 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 1 | 1 | 0 |
| 0 | 1 | 0 | 1 | 0 |
| 0 | 1 | 1 | 0 | 1 |
| 1 | 0 | 0 | 1 | 0 |
| 1 | 0 | 1 | 0 | 1 |
| 1 | 1 | 0 | 0 | 1 |
| 1 | 1 | 1 | 1 | 1 |