Solver Array For level n circuit :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Key | Level | 1st inp | 2nd inp | Type | Output |
| 01 | n |  |  |  |  |
| 02 |  |  |  |  |
| … |  |  |  |  |
| 2^n |  |  |  |  |
| 11 | n-1 |  |  |  |  |
| 12 |  |  |  |  |
| 13 |  |  |  |  |
| … |  |  |  |  |
| 10 + 2^(n-1) |  |  |  |  |
| 21 | n-2 |  |  |  |  |
| 22 |  |  |  |  |
| 23 |  |  |  |  |
| … |  |  |  |  |
| 20 + 2^(n-2) |  |  |  |  |
| … |  |  |  |  |  |
| … |  |  |  |  |  |
| … |  |  |  |  |  |
| n\*10 + 2^0 | 1 |  |  |  |  |

An Example for N = 4 table :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 4 | 0 | 0 | 0 | 1 |
| 2 | 4 | 0 | 0 | 0 | 0 |
| 3 | 4 | 0 | 0 | 0 | 1 |
| 4 | 4 | 0 | 0 | 0 | 0 |
| 5 | 4 | 0 | 0 | 0 | 1 |
| 6 | 4 | 0 | 0 | 0 | 0 |
| 7 | 4 | 0 | 0 | 0 | 1 |
| 8 | 4 | 0 | 0 | 0 | 0 |
| 11 | 3 | 1 | 0 | 1 | 0 |
| 12 | 3 | 1 | 0 | 0 | 1 |
| 13 | 3 | 1 | 0 | 0 | 1 |
| 14 | 3 | 1 | 0 | 1 | 0 |
| 21 | 2 | 0 | 1 | 0 | 1 |
| 22 | 2 | 1 | 0 | 1 | 0 |
| 31 | 1 | 1 | 0 | 0 | 1 |