| Case | A | B | Cin | S | COUT |
|------|---|---|-----|---|------|
| 1 | 0 | 0 | 0 | 0 | |
| 2 | 0 | 0 | 1 | 0 | |
| 3 | 0 | 1 | 0 | 1 | |
| 4 | 0 | 1 | 1 | 1 | |
| 5 | 1 | 0 | 0 | 0 | |
| 6 | 1 | 0 | 1 | 1 | |
| 7 | 1 | 1 | 0 | 0 | |
| 8 | 1 | 1 | 1 | 1 | |

| Case | A | B | Cin | S | COUT |
|------|---|---|-----|---|------|
| 1 | 0 | 0 | 0 | 0 | |