A: high priority          B: low priority

| A | B |
|---|---|
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 0 | 1 |
| 1 | 0 |
| 1 | 0 |
| 1 | 0 |
| 1 | 0 |
| 1 | 1 |
| 1 | 1 |
| 1 | 1 |
| 1 | 1 |

C & D is one low priority

| C | D | F |
|---|---|---|
| 0 | 0 | 0 |
| 0 | 1 | 0 |
| 1 | 0 | 0 |
| 1 | 1 | 0 |
| 0 | 0 | 0 |
| 0 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 1 | 1 |
| 0 | 0 | 1 |
| 0 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 1 | 1 |
| 0 | 0 | 1 |
| 0 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 1 | 1 |

|   |   | B' |   | B |   |
|---|---|----|----|----|----|
|   |   | 0 | 0 | 1 | 0 |
| A' |   | 0 | 0 | 1 | 1 |
|   |   | 1 | 1 | 1 | 1 |
| A |   | 1 | 1 | 1 | 1 |
|   |   | D' | D | | D' |

$F = A + C * B + B * D$

C'

C
C'