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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
|  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 1 | 0 | 1 | 1 | 1 | 0 | 1 |
| I=0 | Cin=0 | 0 1 | 0 1 | 0 1 | 0 1 | 0 1 | 0 1 | 0 1 | 0 1 | 0 0 | | 0 1 | 0 1 | 1 0 | 0 1 | 1 0 | 0 0 | 0 1 |
|  | Cin=1 | 1 0 | 1 0 | 1 0 | 1 0 | 1 0 | 1 0 | 1 0 | 1 0 | 0 1 | | 1 0 | 1 0 | 1 1 | 1 0 | 1 1 | 0 1 | nimic |
| I=1 | Cin=0 | 0 1 | 1 | 0 1 | 1 | 0 1 | 1 | 0 1 | 1 | 0 0 | | 1 | 1 0 | 0 | 1 0 | 0 | 0 0 | 1 |
|  | Cin=1 | 1 0 | 0 | 1 0 | 0 | 1 0 | 0 | 1 0 | 0 | 0 1 | | 0 | 1 0 | 1 | 1 0 | 1 | nimic | |
| I=2 | Cin=0 | 0 1 | 1 | 1 | 1 | 0 1 | 1 | 1 | 1 | 0 1 | | 0 | 0 | 0 | 1 0 | 0 | 0 | 1 |
|  | Cin=1 | 1 0 | 0 | 0 | 0 | 1 0 | 0 | 0 | 0 | 0 1 | | 0 | 0 | 1 | nimic | | | |
| I=3 | Cin=0 | 0 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 1 | | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
|  | Cin=1 | 1 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | nimic | | | | | | | |
| I=4 | Cin=0 | 0 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
|  | Cin=1 | nimic | | | | | | | | | | | | | | | | |
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|  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |

X = -204

Y = 93

* S = 0 1111 1111 1001 0001 (C2) = 1 1001 0001 (C2) = 1 1001 0000 (C1) =>
* = 1 0110 1111 (SM)

X+Y = -204+93 = -111 = 1 0110 1111 (SM)

* X+Y = S

X = -549

Y = -43

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 |
|  |  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| I=0 | Cin=0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Cin=1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| I=1 | Cin=0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Cin=1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| I=2 | Cin=0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Cin=1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| I=3 | Cin=0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Cin=1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| I=4 | Cin=0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Cin=1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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