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**Reduced Function**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | yz |  |  |  |  |
| wx |  | 00 | 01 | 11 | 10 |
|  | 00 | 1 | 1 | 1 | 1 |
|  | 01 | 1 | 1 | 1 | 0 |
|  | 11 | 0 | 0 | 1 | 1 |
|  | 10 | 0 | 0 | 0 | 0 |

Yellow = Overlapping green and red cell

Blue = w’x’

Red = w’y’

Green = w’z

Yellow = wxy

Function = w’x’ + w’y’ + w’z + wxy