Marcus Domingo

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HW3A

1. i. F = (~(x\*y) + x\*y)\*~y  
    F = ((1)\*~y  
    F = ~y  
   ii.

|  |  |  |  |
| --- | --- | --- | --- |
| x | y | z | F=~y |
| 0 | 0 | 0 | 1 |
| 0 | 0 | 1 | 1 |
| 0 | 1 | 0 | 0 |
| 0 | 1 | 1 | 0 |
| 1 | 0 | 0 | 1 |
| 1 | 0 | 1 | 1 |
| 1 | 1 | 0 | 0 |
| 1 | 1 | 1 | 0 |

iii.

y

~y