| | | | Alex Carte |
|-------|------------|--------------|--|
| | 11 12 | | |
| | Homework 3 | | Alex Carter |
| | 1 a) hw3- | -dec 3 Truth | n Table |
| | 0 00000 XX | XXX | |
| 1 | | XXX | Fy K-Maps: |
| | 2 010 x x | | |
| | 3 011 00 | | Au = 0 Au = 1 |
| | 9 100 | | AAA 00 01 11 10 AA2 00 01 11 10 |
| | 5 101 | 010 | 00/0/0 000 00/01/11/11 |
| | (e 110 | 011 | 01/000000000000000000000000000000000000 |
| | | 100 | |
| | 9 01000 | 101 | 10/9/0/0/0/0/0/0/0/0/0/0/0/0/0/0/0/0/0/0 |
| | 9 001 | 110 | E-111111 |
| | 10 010 | 01000 | Fy=AyA, Ao + AyAz + AyAz |
| | 1.1 | 01000 | |
| | 12 100 | 010 | Fz K-Maps: |
| - | 14 110 | 010 | 13 - 11aps. |
| | 15 111 | 100 | A = 0 Au = 1 |
| 7 | 10 10000 | 101 | A1A0 00 01 11 10 A1A0 00 01 11 10 |
| | 11 001 | 110 | 00 000000000000000000000000000000000000 |
| 13 15 | 16 010 | 111 | 01/2/01/10/01/01/01 |
| 13/13 | 19 D11 | 10000 | 1100000 1100000 |
| | 10 1001 | 001 | 10 0 0 0 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |
| | 21 101 | 010 | |
| | | 011 | F3 = A3A2 + A3A1A0 + A3A2A0 + A3A2A1 |
| | 22 110 | 100 | ox-Ay is dropped due to covering |
| | 24 11 000 | 101 | and don't cares. |
| | - 1 | 1 110 | |
| | - 1 | 1 110 | |
| - | | 111000 | |
| | 27 011 | 1 | |
| | 29 100 | 00 | |
| | 29 101 | 010 | |
| | 30 110 | 11110 | |
| 1 | 21 11 111 | 11160 | |



