

| CD \ AB | 00 | 01 | 11 | 10 |
|---------|----|----|----|----|
| 10 | X | 0 | 1 | 1 |
| 00 | 1 | 1 | X | 0 |
| 01 | 1 | 1 | X | 0 |
| 11 | 0 | 0 | X | 1 |

$$Y = A\bar{C}\bar{D} + \bar{A}\bar{D} + AC\bar{D}$$

$$Y = A\bar{D}(\bar{C} + C) + \bar{A}\bar{D}$$

$$Y = A\bar{D} + \bar{A}\bar{D}$$