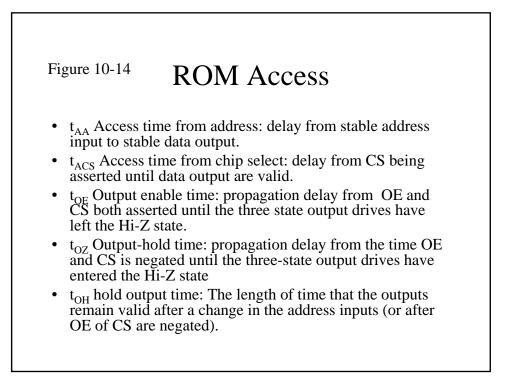
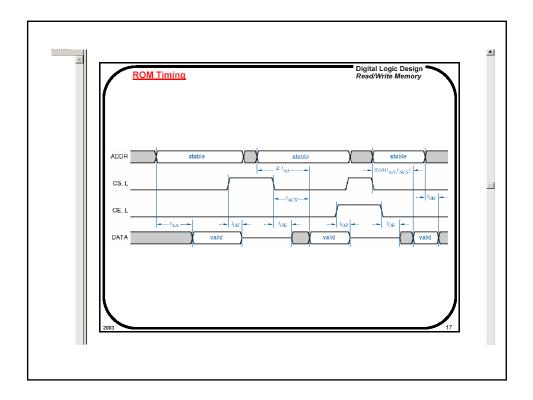
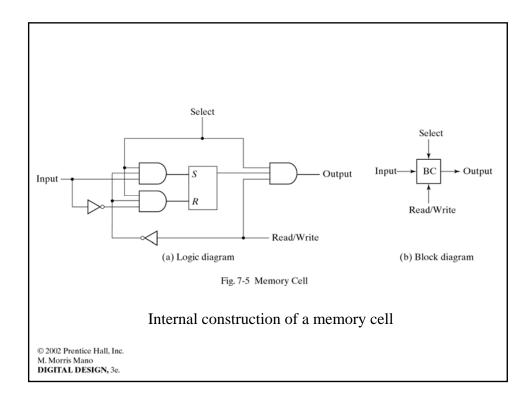


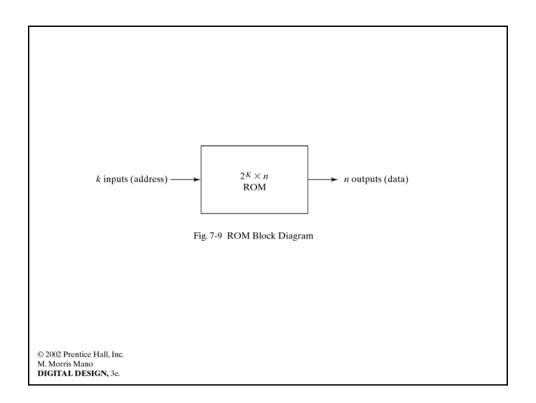
Types of Memory

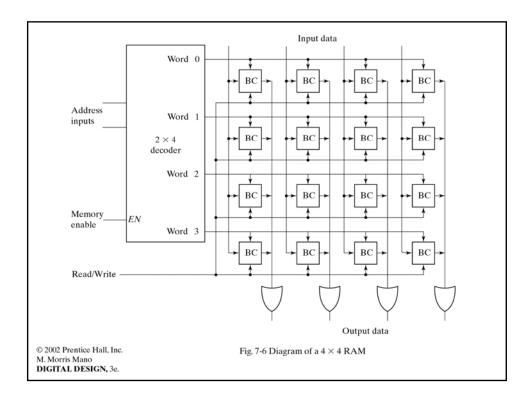
- ROM, PROM, EPROM, EEPROM
- RAM (SRAM, DRAM)
- SRAM store information in latches, while DRAM stores information as electric charges on capacitors (needs refreshing).

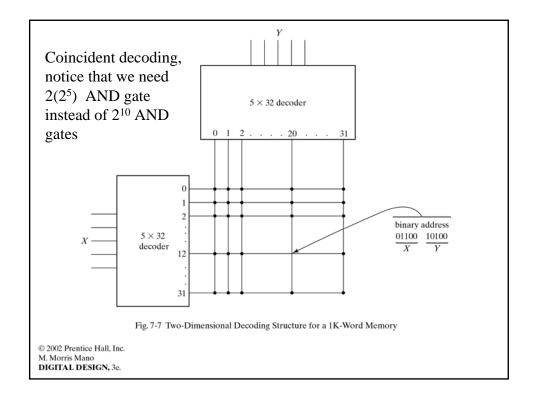


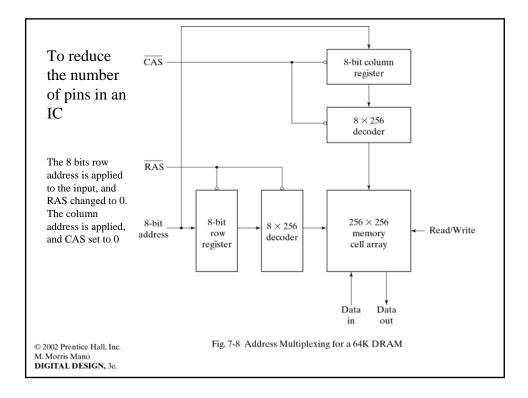


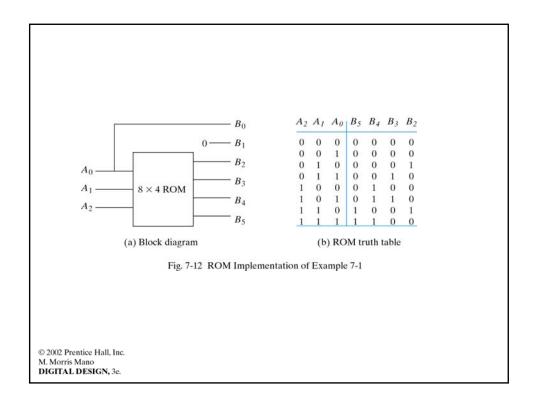


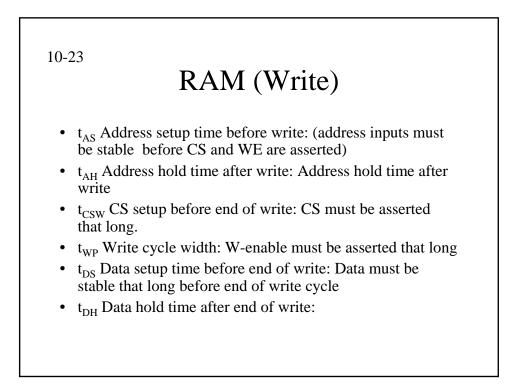


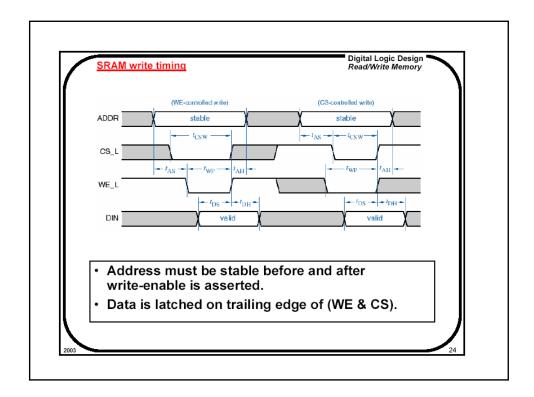


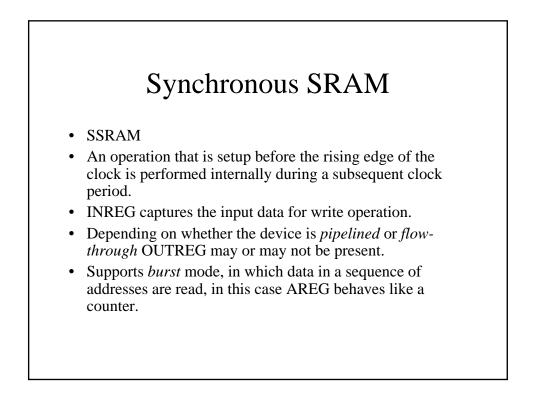


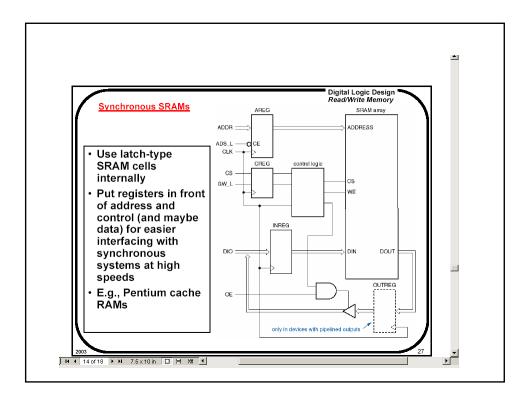


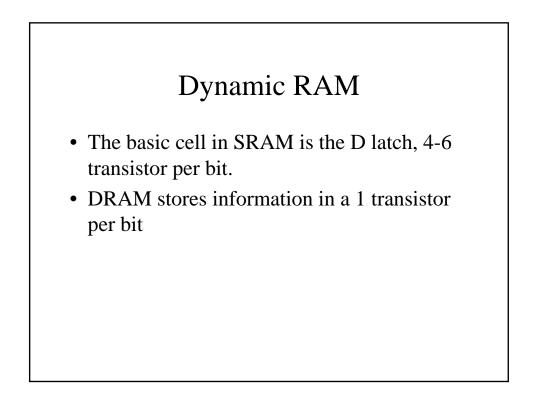


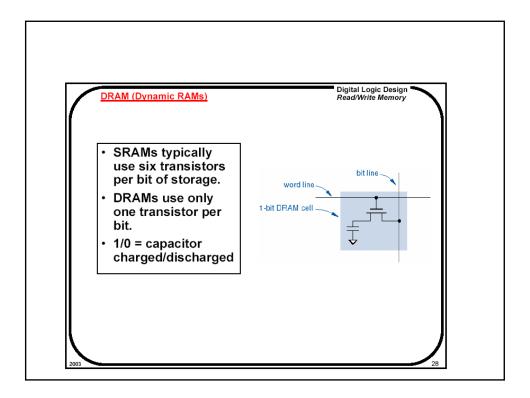


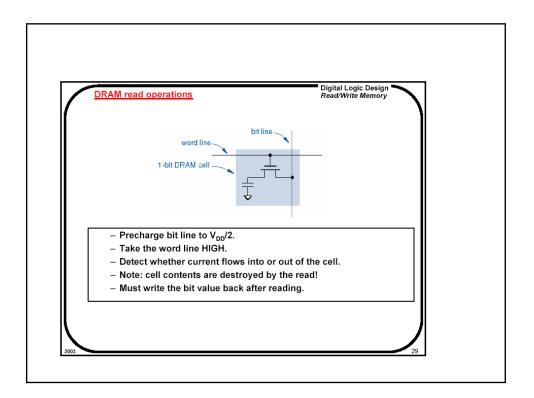


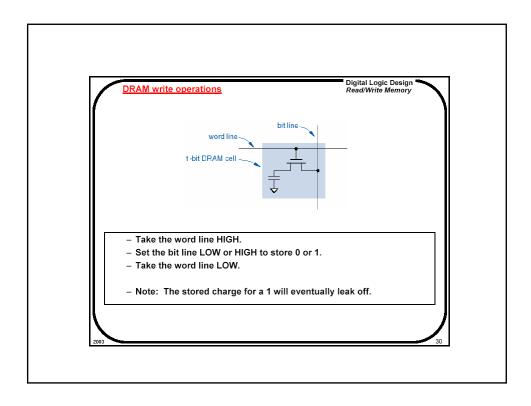


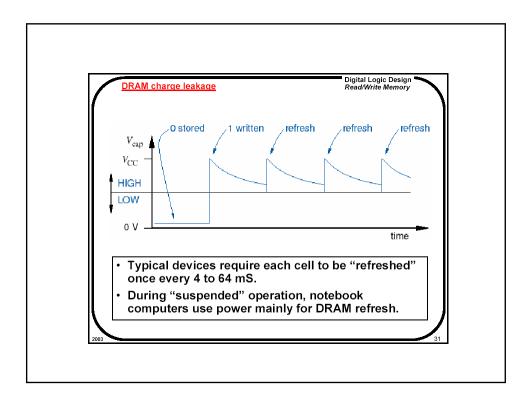


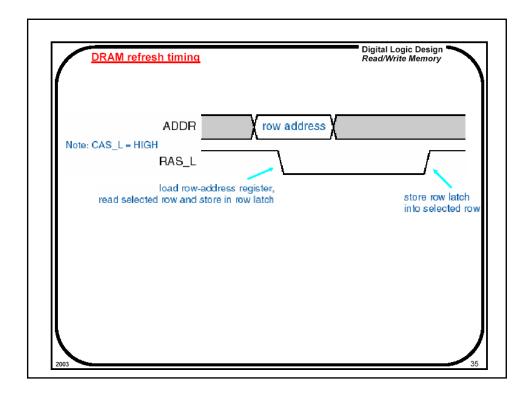


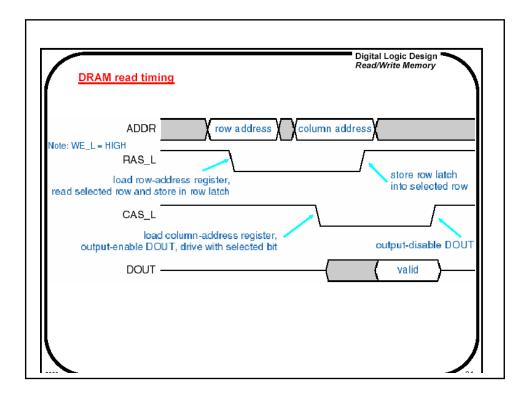


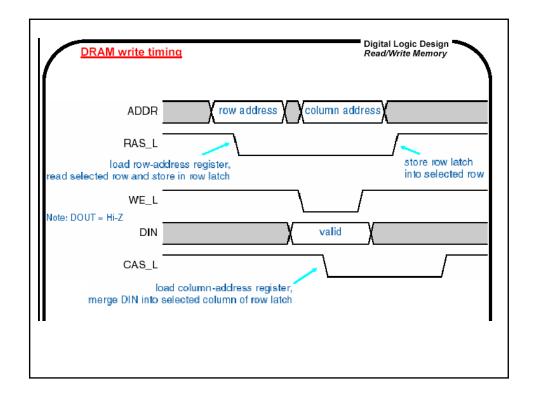


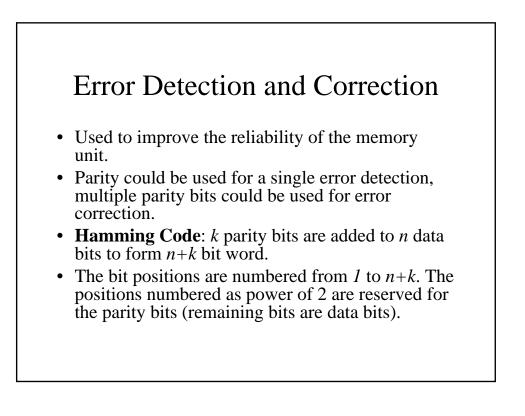


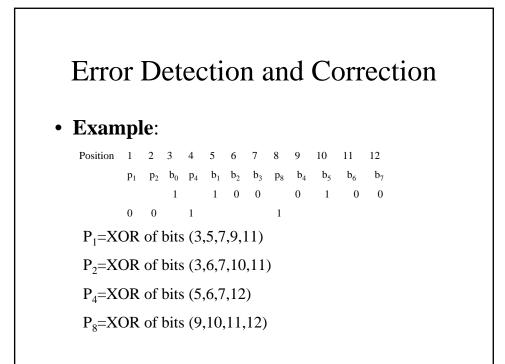


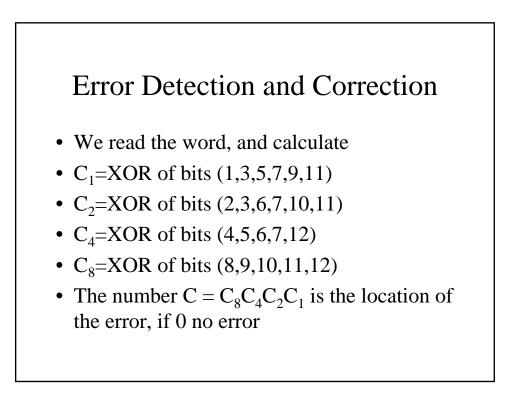


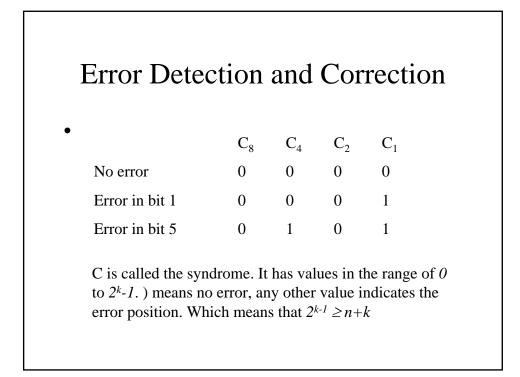


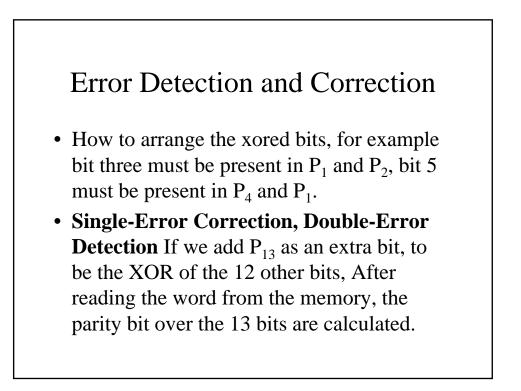


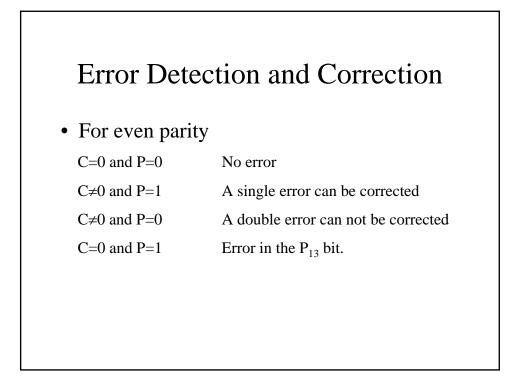


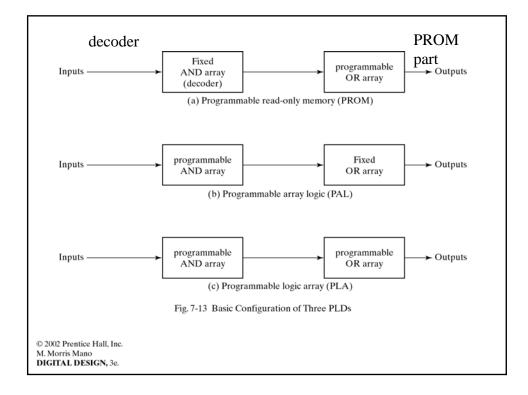


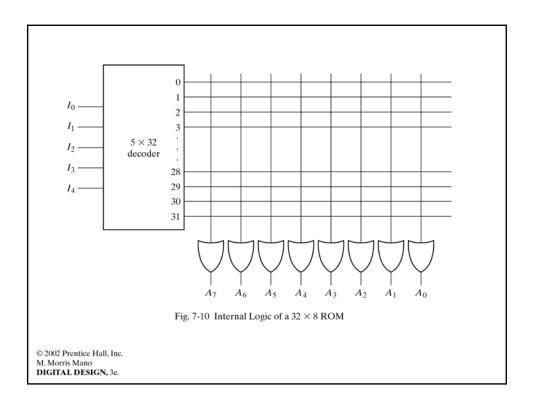


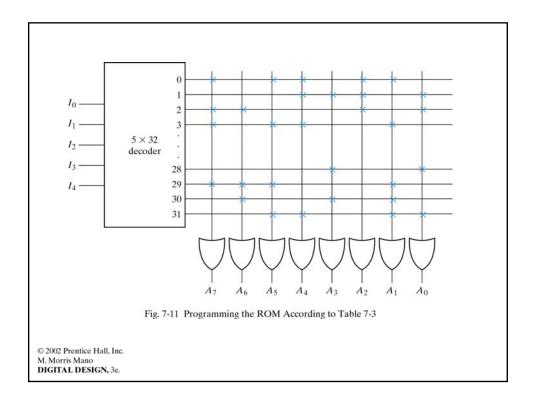


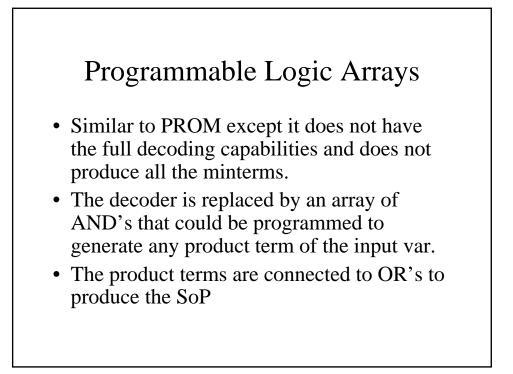


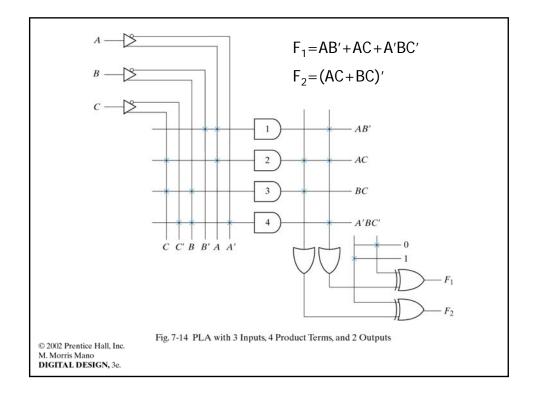


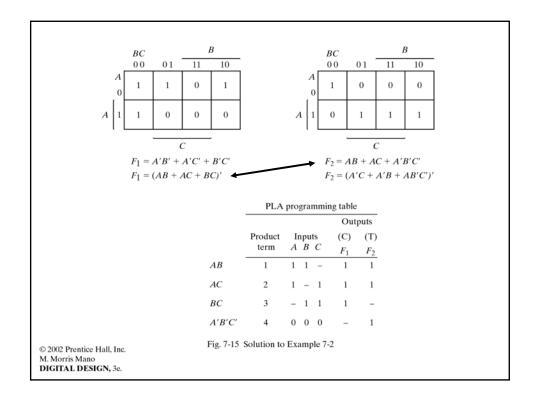


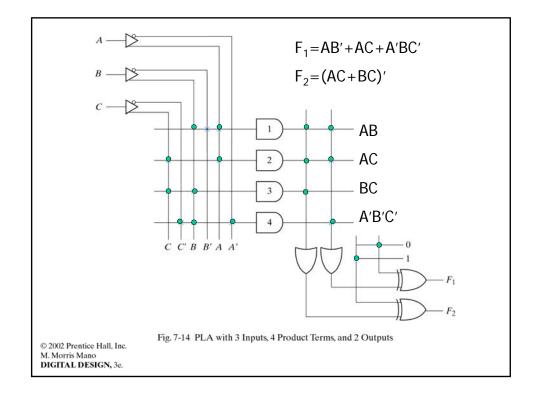


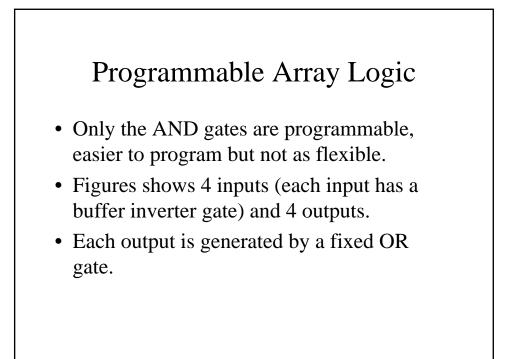


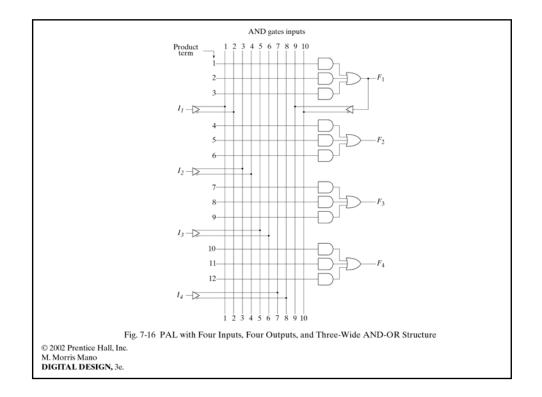












PAL Example

• After minimization

W=ABC'+A'B'CD'

X=A+BCD

Y = A'B + CD + B'D'

Z = ABC' + A'B'CD' + AC'D' + A'B'C'D

= W + AC'D' + A'B'C'D

	PAL Example
Product Term	AND inputs Output A B C D W
1	1 1 0 w=ABC'
2	0 0 1 0 - +A'B'CD'
3	
4	1 x=A
5	- 1 1 1 - +BCD
6	
7	0 1 y=A′B
8	0 1 y=A′B 1 1 - +CD
9	- 0 - 0 - +B'D'
10	1 z=w
11	1 - 0 0 - +AC′D′
12	0 0 0 1 - +A'B'C'D

