Willie Conway

CS220 Computer Architecture

Unit 4: Digital Project

Α	В	С	D	Е	F	D LED	E LED	F LED
0	0	0	0	0	0	OFF	OFF	OFF
0	0	1	1	0	0	ON	OFF	OFF
0	1	0	1	0	0	ON	OFF	OFF
0	1	1	1	1	0	ON	ON	OFF
1	0	0	1	0	0	ON	OFF	OFF
1	0	1	1	1	0	ON	ON	OFF
1	1	0	1	1	0	ON	ON	OFF
1	1	1	1	1	1	ON	ON	ON

<u>Sum of Products</u> <u>Product of Sums</u>

D=C+B+A D=A+B+C

E = B C + A C + A B E = (A+B) (A+C) (B+C)

F= ABC F= ABC

