

Pre Lab 1

Y \ AB		00	01	11	10
CD	00	X	0	1	1
	01	1	1	X	0
	11	1	1	X	0
	10	0	0	X	1

$$Y = \underbrace{\bar{A} D}_1 + \underbrace{A \bar{B} \bar{D}}_4 + \underbrace{AB}_3$$