

Part C

Expected Outcomes

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a	b	c	d	A'	B'	A'B'D	A'B	ACD	A'B'D + A'B + ACD
0	0	0	0	1	1	0	0	0	0
0	0	0	1	1	1	1	0	0	1
0	0	1	0	1	1	0	0	0	0
0	0	1	1	1	1	1	0	0	1
0	1	0	0	1	0	0	1	0	1
0	1	0	1	1	0	0	1	0	1
0	1	1	0	1	0	0	1	0	1
0	1	1	1	1	0	0	0	0	0
1	0	0	0	0	1	0	0	0	0
1	0	0	1	0	1	0	0	0	0
1	0	1	0	0	1	0	0	0	0
1	0	1	1	0	1	0	0	1	1
1	1	0	0	0	0	0	0	0	0
1	1	0	1	0	0	0	0	0	0
1	1	1	0	0	0	0	0	0	0
1	1	1	1	0	0	0	0	1	1
Results									
a	b	c	d	A'	B'	A'B'D	A'B	ACD	A'B'D + A'B + ACD
0	0	0	0	1	1	0	0	0	0
0	0	0	1	1	1	1	0	0	1
0	0	1	0	1	1	0	0	0	0
0	0	1	1	1	1	1	0	0	1
0	1	0	0	1	0	0	1	0	1
0	1	0	1	1	0	0	1	0	1
0	1	1	0	1	0	0	1	0	1
0	1	1	1	1	0	0	0	0	1
1	0	0	0	0	1	0	0	0	0
1	0	0	1	0	1	0	0	0	0
1	0	1	0	0	1	0	0	0	0
1	0	1	1	0	1	0	0	1	1
1	1	0	0	0	0	0	0	0	0
1	1	0	1	0	0	0	0	0	0

1	1	1	0	0	0	0	0	0	0
1	1	1	1	0	0	0	0	1	1