

Assignment 7C Part B K-MAPS – Francis Rukab N00961805

QAQB \ QCQD	00	01	11	10
00	0	0	0	0
01	0	0	1	0
11	X	X	X	X
10	X	X	X	X

$$JA = QB \, QC \, QD$$

QAQB \ QCQD	00	01	11	10
00	X	X	X	X
01	X	X	X	X
11	0	1	0	0
10	0	1	1	0

$$KA = QB' \, QD + QC' \, QD$$

QAQB \ QCQD	00	01	11	10
00	0	0	1	0
01	X	X	X	X
11	X	X	X	X
10	0	0	1	0

$$JB = QC \, QD$$

QAQB \ QCQD	00	01	11	10
00	X	X	X	X
01	0	0	1	0
11	0	0	1	0
10	X	X	X	X

$$KB = QC \, QD$$

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QAQB \ QCQD	00	01	11	10
00	0	1	X	X
01	0	1	X	X
11	0	0	X	X
10	0	0	X	X

$$JC = QA' QD$$

QAQB \ QCQD	00	01	11	10
00	X	X	1	0
01	X	X	1	0
11	X	X	1	0
10	X	X	1	0

$$KC = QC QD$$

QAQB \ QCQD	00	01	11	10
00	X	1	1	X
01	X	1	1	X
11	X	1	1	X
10	X	1	1	X

$$JD = QD$$

QAQB \ QCQD	00	01	11	10
00	1	X	X	1
01	1	X	X	1
11	1	X	X	1
10	1	X	X	1

$$KD = QD'$$