

Problem Description:

I/O Descriptions:

Inputs: A
 B
 C
 D
 E

Outputs: X
 Y
 Z
 V
 W

	A	/A
B	AB	/AB
/B	A/B	/A/B

	A	A	/A	/A
B	AB/C	ABC	/ABC	/AB/C
/B	A/B/C	A/BC	/A/BC	/A/B/C
	/C	C	C	/C

	A	A	/A	/A	
B	AB/C/D	ABC/D	/ABC/D	/AB/C/D	/D
B	AB/CD	ABCD	/ABCD	/AB/CD	D
/B	A/B/CD	A/BCD	/A/BCD	/A/B/CD	D
/B	A/B/C/D	A/BC/D	/A/BC/D	/A/B/C/D	/D
	/C	C	C	/C	

	A	A	/A	/A	
B	AB/C/D	ABC/D	/ABC/D	/AB/C/D	/D
B	AB/CD	ABCD	/ABCD	/AB/CD	D
/B	A/B/CD	A/BCD	/A/BCD	/A/B/CD	D
/B	A/B/C/D	A/BC/D	/A/BC/D	/A/B/C/D	/D
	/C	C	C	/C	E

	A	A	/A	/A	
B	AB/C/D	ABC/D	/ABC/D	/AB/C/D	/D
B	AB/CD	ABCD	/ABCD	/AB/CD	D
/B	A/B/CD	A/BCD	/A/BCD	/A/B/CD	D
/B	A/B/C/D	A/BC/D	/A/BC/D	/A/B/C/D	/D
	/C	C	C	/C	/E

Calculations:

QR-Form:

KP-Simplification:

Boolean-Simplification:

<i>E</i>	<i>D</i>	<i>C</i>	<i>B</i>	<i>A</i>	<i>X</i>	<i>Y</i>	<i>Z</i>	<i>V</i>	<i>W</i>	<i>/...</i>	<i>AND-Descriptions</i>
0	0	0	0	0							/E/D/C/B/A
0	0	0	0	1							/E/D/C/BA
0	0	0	1	0							/E/D/CB/A
0	0	0	1	1							/E/D/CBA
0	0	1	0	0							/E/DC/B/A
0	0	1	0	1							/E/DC/BA
0	0	1	1	0							/E/DCB/A
0	0	1	1	1							/E/DCBA
0	1	0	0	0							/ED/C/B/A
0	1	0	0	1							/ED/C/BA
0	1	0	1	0							/ED/CB/A
0	1	0	1	1							/ED/CBA
0	1	1	0	0							/EDC/B/A
0	1	1	0	1							/EDC/BA
0	1	1	1	0							/EDCB/A
0	1	1	1	1							/EDCBA
1	0	0	0	0							E/D/C/B/A
1	0	0	0	1							E/D/C/BA
1	0	0	1	0							E/D/CB/A
1	0	0	1	1							E/D/CBA
1	0	1	0	0							E/DC/B/A
1	0	1	0	1							E/DC/BA
1	0	1	1	0							E/DCB/A
1	0	1	1	1							E/DCBA
1	1	0	0	0							ED/C/B/A
1	1	0	0	1							ED/C/BA
1	1	0	1	0							ED/CB/A
1	1	0	1	1							ED/CBA
1	1	1	0	0							EDC/B/A
1	1	1	0	1							EDC/BA
1	1	1	1	0							EDCB/A
1	1	1	1	1							EDCBA