

- 1 (Problem 9 on page 43 of Dr. Eccles' book).
 Minimize $Z(A,B,C)=\Sigma(0,2,5,7)$ into And-Or logic (sum of products). If there are multiple minimal forms, give them all.

		AB			
		00	01	11	10
C	0	0	2	6	4
	1	1	3	7	5

- 2 (Problem 12 on page 43 of Dr. Eccles' book).
 Minimize $Z(A,B,C,D)=\Sigma(0,3,5,6,9,10,12,15)$ into And-Or logic (sum of products). If there are multiple minimal forms, give them all.

		AB			
		00	01	11	10
CD	00	0	4	12	8
	01	1	5	13	9
	11	3	7	15	11
	10	2	6	14	10

- 3 (Problem 23 on page 44 of Dr. Eccles' book).
 Minimize $Z(A,B,C)=\Sigma(0,1,2)+d(6,7)$ into And-Or logic (sum of products). If there are multiple minimal forms, give them all.

		AB			
		00	01	11	10
C	0	0	2	6	4
	1	1	3	7	5