In-class Exercise 7

(PAR 11)

- Show Boolean n-space representation of
  - F(a, b, c) = abc + ab'c + a'bc'
  - F(a, b, c) = a' + bc
- Show compact cubical form of
  - F(a, b, c) = ab + b'c + a'b'c'
  - F_1(a, b, c)=abc + ab'c + c'; F_2(a, b, c)=abc + a'b'c' + bc + b'c
- Calculate F ∩ G for

F =
0	0	1	3	4
2	1	0	3	4
0	2	0	4	3

G =
0	0	1	4	3
2	2	0	4	4
0	1	0	4	4

- Calculate F U G for

F =
0	0	1	3	4
2	1	0	3	4
0	2	0	4	3

G =
0	0	1	4	3
2	2	0	4	4
0	1	0	4	4