Problem 5:

	1	2	3	4	5	6
t1	0	1	0	0	0	1
t2	1	0	1	0	0	1
t3	0	0	0	1	0	1
t4	0	0	1	0	0	0
t5	0	1	1	0	0	0
t6	0	0	1	0	1	1

Step 1: LC = {1, 4, 5}. t2 has three 1s, t3 has two 1s, and t6 has three 1s. Select t3. minCov = {t3}

	1	2	3	4	5	6
t1	0	1	0	0	0	1
t2	1	0	1	0	0	1
t3	0	0	0	1	0	1
t4	0	0	1	0	0	0
t5	0	1	1	0	0	0
t6	0	0	1	0	1	1

Mark entities covered by t3.

	1	2	3	4	5	6
t1	0	1	0	0	0	1
t2	1	0	1	0	0	1
t3	0	0	0	1	0	1
t4	0	0	1	0	0	0
t5	0	1	1	0	0	0
t6	0	0	1	0	1	1

Step 2: LC = {1, 5}. t2 has three 1s and t6 has three 1s. Select t2, minCov = {t3, t2}

	1	2	3	4	5	6
t1	0	1	0	0	0	1
t2	1	0	1	0	0	1
t3	0	0	0	1	0	1
t4	0	0	1	0	0	0
t5	0	1	1	0	0	0
t6	0	0	1	0	1	1

Mark entities covered by t2.

	1	2	3	4	5	6
t1	0	1	0	0	0	1
t2	1	0	1	0	0	1
t3	0	0	0	1	0	1
t4	0	0	1	0	0	0
t5	0	1	1	0	0	0
t6	0	0	1	0	1	1

Step 3: LC = {5}. Select t6, as t6 is the only that covers 5. minCov = {t3, t2, t6}

	1	2	3	4	5	6
t1	0	1	0	0	0	1
t2	1	0	1	0	0	1
t3	0	0	0	1	0	1
t4	0	0	1	0	0	0
t5	0	1	1	0	0	0
t6	0	0	1	0	1	1

Mark entities covered by t6.

	1	2	3	4	5	6
t1	0	1	0	0	0	1
t2	1	0	1	0	0	1
t3	0	0	0	1	0	1
t4	0	0	1	0	0	0
t5	0	1	1	0	0	0
t6	0	0	1	0	1	1

Step 4: LC = {2}. Select t1. minCov = {t3, t2, t6, t1}

	1	2	3	4	5	6
t1	0	1	0	0	0	1
t2	1	0	1	0	0	1
t3	0	0	0	1	0	1
t4	0	0	1	0	0	0
t5	0	1	1	0	0	0
t6	0	0	1	0	1	1

Mark entities covered by t1.

	1	2	3	4	5	6
t1	0	1	0	0	0	1
t2	1	0	1	0	0	1
t3	0	0	0	1	0	1
t4	0	0	1	0	0	0
t5	0	1	1	0	0	0
t6	0	0	1	0	1	1