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
t1 t2 t3 t4 t5 t6	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 t5	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 t5	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 t3	1	0	1	0	0	1
t3	0	0	0	1	0	1
t4 t5	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 t3 t4 t5	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 t2 t3 t4 t5	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.

rain character covered by c							
	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	