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Satisfibility Relation

	r1	r2	r3	r4	r5	r6	r7	r8	r9	r10	r11	r12
t1	×		×									×
t2			×									
t3	×											
t4		×							×			×
t5			X	×								
t6	X			×		×		×		×		×
t7					×		×		×		×	
t8	X		×	×		×		×		×		×
t9			X			×	×				×	
t10			×			×				×		×

Heuristic GRE

1. Test Suite, $T = \{t1, ..., t10\}$

2. Testing Requirement, R={r1,...,r12}

E: Essential

R: Redundancy

G: Greedy

1. Essential

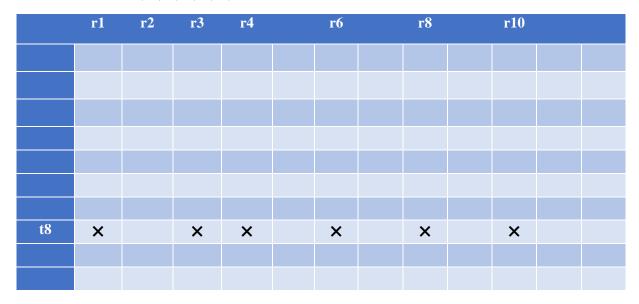
E: Select t4 dan t7

Mark: r2,r9,r12,r5,r7,r11

	r1	r3	r4	r6	r8	r10	
t1	×	×					
t2		×					
t3	×						
t5		×	×				
t6	×		×	×	×	×	
t8	×	×	×	×	×	×	
t9		×		×			
t10		×		×		×	

2. Redudancy

R: Remove t1,t2,t3,t5,t6,t9,10



3. Essential

E: Select t8

Mark: r1,r3,r4,r6,r8,r10

r1	r2	r3	r4	r5	r6	r7	r8	r9	r9	r10	r11

Summary:

• E: Select t4 dan t7

- Mark: r2,r5,r7,r9,r11,r12

• R:t1,t2,t3,t5,t6,t9,10

• E : Select t8

- Mark: r1,r3,r4,r6,r8,r10

Solution:

1. The representative set is: **t4, t7, t8.**

2. Hasil

	r1	r2	r3	r4	r5	r6	r7	r8	r9	r10	r11	r12
t4		×							×			×
t7					×		×		×		×	
t8	×		×	×		×		×		×		×