

Set Covering: example

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	1	2	3	4	5	6	7	8
1	1	1						
2			1	1		1	1	
3	1							1
4			1	1		1		
5		1			1			
6	1						1	1
7					1			
8			1					1
9		1				1		1

	1	2	3	4	5	6	7	8
1	1	1						
2			1	1		1	1	
3	1							1
4			1	1		1		
5		1			1			
6	1						1	1
7			1					1
8		1				1		1
9								

	1	2	3	4	5	6	7	8
1	1	1						
2			1	1		1	1	
3	1							1
4			1	1		1		
5		1			1			
6	1						1	1
7					1			
8		1				1		
9								

	1	2	3	4	5	6	7	8
1	1	1						
2			1	1		1	1	
3	1							1
4			1	1		1		
5		1			1			
6	1						1	1
7					1			
8		1				1		1
9								

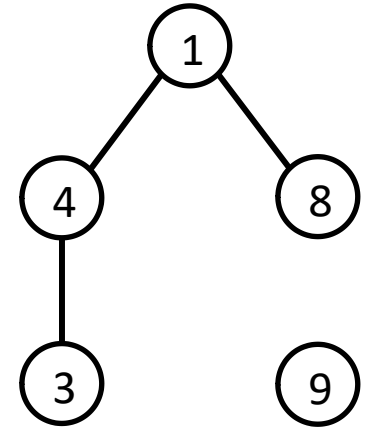
	1	2	3	4	5	6	7	8
1	1	1						
2			1	1		1	1	
3	1							1
4			1	1		1		
5		1			1			
6	1						1	1
7					1			
8		1				1		1
9								

	1	2	3	4	5	6	7	8
1	1	1						
2			1	1		1	1	
3	1							1
4			1	1		1		
5		1			1			
6	1						1	1
7					1			
8		1				1		1
9								

5 in the final solution

	1	2	3	6	8
1	1	1			
3	1				1
4			1	1	
8			1		1
9		1		1	1

Row independence



Take 8

	1	2	3	6
1	1	1		
4			1	1

{5, 8, 1, 3}

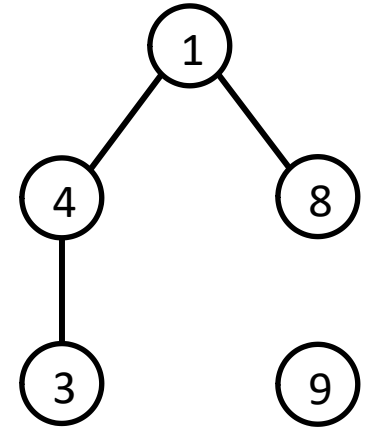
Do not take 8

	1	2	3	6
1	1	1		
3	1			
4			1	1
8			1	
9		1		1

5 in the final solution

	1	2	3	6	8
1	1	1			
3	1				1
4			1	1	
8			1		1
9		1		1	1

Row independence



Take 8

	1	2	3	6
1	1	1		
4			1	1

{5, 8, 1, 3}

Do not take 8

	1	2	3	6
1	1	1		
3	1			
4			1	1
8			1	
9		1		1

{5, 1, 3, 2}