			Orig	inal S	udok	u pro	blem						Obj							
				2	6		7		1				max 0							
	6	8			7			9												
	1	9				4	5													
	8	2		1				4												
			4	6		2	9													
		5				3		2	8											
			9	3				7	4											
		4			5			3	6											
	7		3		1	8														
	•											1								
1	1 binary	2	3	4	5	6	7	8	9	RS	2	1 binary	2	3	4	5	6	7	8	9
1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0
2	0	0	0	0	0	1	0	0	0	1	2	0	0	1	0	0	0	0	0	0
3	1	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	1
4	0	0	0	1	0	0	0	0	0	1	4	0	1	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	1		1-1	-5	0	0	0	0	0	1	0	0	0
6	0	0	1	0	0	0	0	0	0	1	6	0	0	0	0	0	0	0	1	0
7	0	1	0	0	0	0	0	0	0	1	7	0	0	0	0	1	0	0	0	0
8	0	0	0	0	0	0	1	0	0	1	8	1	0	0	0	0	0	0	0	0
9	0	0	0	0	1	0	0	0	0	1	9	0	0	0	0	0	0	1	0	0
CS	1=1	1	1	1	1	1	1	1	1		_	1=1	1	1	1	1	1	1	1	1
4	1 binary		3	4	5	6	7	8	9	4	5	1 binary		3	4	5	6	7	8	9
1	1	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0
2	0	0	0	0	0	0	1	0	0	1	2	0	0	0	1	0	0	0	0	0
3 4	0	0	0	0	0	1	0	0	0	1	3	0	0	0	0	0	0	1	0	0
5	0	0	0	0	0	0	0	1	0	1 1=1	4 5-	0	0	0	0	0	1	0	0	0
	\cap	\cap	1	0	\circ	ו ה														
	0	0	1	0	0	0	0	0							0					
6	0	0	0	0	1	0	0	0	0	1	6	0	1	0	0	0	0	0	0	0
6 7	0	0	0	0	1	0	0	0	0	1 1	6 7	0	1	0	0	0	0	0	0	0
6 7 8	0 0	0 0 1	0 0	0 0	1 0 0	0 0	0 0	0 0	0 1 0	1 1 1	6 7 8	0 1 0	1 0 0	0 0	0 0	0 0 1	0 0	0 0	0 0	0 0 0
6 7	0 0 0	0 0 1	0 0 0	0 0 0	1 0 0	0 0 0	0 0 0	0 0 0	0 1 0	1 1	6 7	0 1 0 0	1 0 0	0 0 0	0 0 0	0 0 1 0	0 0 0	0 0 0	0 0 0	0 0 0
6 7 8 9	0 0 0 0	0 0 1 0	0 0 0 0	0 0 0 1	1 0 0 0	0 0 0 0 1	0 0 0 0 1	0 0 0 0	0 1 0 0	1 1 1	6 7 8 9	0 1 0 0 14	1 0 0 0	0 0 0 0 1	0 0 0 0 1	0 0 1 0	0 0 0 0	0 0 0 0 1	0 0 0 1	0 0 0 0
6 7 8 9	0 0 0 0 1:1 1 binary	0 0 1 0 1 2	0 0 0 0 1 3	0 0 0 1 1	1 0 0 0 1 5	0 0 0 0 1 6	0 0 0 0 1 7	0 0 0 0 1 8	0 1 0 0 1	1 1 1 1	6 7 8 9	0 1 0 0 1=1 1 binary	1 0 0 0 1 2	0 0 0 0 1 3	0 0 0 0 1 4	0 0 1 0 1 5	0 0 0 0 1 6	0 0 0 0 1 7	0 0 0 1 1 8	0 0 0 0 0
6 7 8 9	0 0 0 0 1=1	0 0 1 0 1 2	0 0 0 0	0 0 0 1	1 0 0 0	0 0 0 0 1	0 0 0 0 1	0 0 0 0	0 1 0 0	1 1 1	6 7 8 9	0 1 0 0 1=1	1 0 0 0 1 2	0 0 0 0 1	0 0 0 0 1	0 0 1 0	0 0 0 0	0 0 0 0 1	0 0 0 1	0 0 0 0

3	0	0	1	0	0	0	0	0	0	1	3	0	0	0	1	0	0	0	0	0
4	0	0	0	0	0	0	0	0	1	1	4	1	0	0	0	0	0	0	0	0
5	0	1	0	0	0	0	0	0	0	1= 1	-5	0	0	0	0	1	0	0	0	0
6	0	0	0	1	0	0	0	0	0	1	6	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	1	0	1	7	0	0	0	0	0	0	1	0	0
8	0	0	0	0	0	1	0	0	0	1	8	0	0	1	0	0	0	0	0	0
9	1	0	0	0	0	0	0	0	0	1	9	0	0	0	0	0	1	0	0	0
	1≢	1	1	1	1	1	1	1	1			1=1	1	1	1	1	1	1	1	1

1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
1=1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1

1	1	1
1=1	1	1
1	1	1

1	1	1
1=1	1	1
1	1	1

1	1	1
1=1	1	1
1	1	1

1	1	1
1= 1	1	1
1	1	1

1	1	1
1 = 1	1	1
1	1	1

1	1	1
1=1	1	1
1	1	1

	4	3	5	2	6	9	7	8	1	
	6	8	2	5	7	1	4	9	3	
	1	9	7	8	3	4	5	6	2	
	8	2	6	1	9	5	3	4	7	
	3	7	4	6	8	2	9	1	5	
	9	5	1	7	4	3	6	2	8	
	5	1	9	3	2	6	8	7	4	
	2	4	8	9	5	7	1	3	6	
	7	6	3	4	1	8	2	5	9	
3	1	2	3	4	5	6	7	8	9	RS
1	binary 0	1	0	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	0	1	1
3	0	0	0	0	1	0	0	0	0	1
4	0	0	0	0	0	0	1	0	0	1
5	1	0	0	0	0	0	0	0	0	1-1
6	0	0	0	0	0	1	0	0	0	1
7	0	0	0	1	0	0	0	0	0	1
8	0	0	0	0	0	0	0	1	0	1
9	0	0	1	0	0	0	0	0	0	1
	1=1	1	1	1	1	1	1	1	1	
6	. 1	2	3	4	5	6	7	8	9	
1	binary 0	0	0	0	1	0	0	0	0	1
2	1	0	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	1	0	1
4	0	0	1	0	0	0	0	0	0	1
5	0	0	0	1	0	0	0	0	0	1-1
6	0	0	0	0	0	0	1	0	0	1
7	0	0	0	0	0	1	0	0	0	1
8	0	0	0	0	0	0	0	0	1	1
9	0	1	0	0	0	0	0	0	0	1
	1=1	1	1	1	1	1	1	1	1	
9	1	2	3	4	5	6	7	8	9	•
1	binary 0	0	0	0	0	1	0	0	0	1

Solution

RS

1-1

	_										_	_							
1	3	0	1	0	0	0	0	0	0	0	1		3	0	0	0	0	0	0
1	4	0	0	0	0	1	0	0	0	0	1		4	0	0	0	0	0	0
1-1	5	0	0	0	0	0	0	1	0	0	1-1		5	≥0	0	0	0	0	0
	_	ŭ	ŭ	Ŭ	ŭ	Ŭ	Ŭ		Ŭ	Ŭ			J		•	•	•	·	·
1	6	1	0	0	0	0	0	0	0	0	1		6	0	0	0	0	0	0
1	7	0	0	1	0	0	0	0	0	0	1		7	0	0	0	0	0	0
1	8	0	0	0	1	0	0	0	0	0	1		8	0	0	0	0	0	0
1	9	0	0	0	0	0	0	0	0	1	1		9	1	0	0	0	0	0
		1=1	1	1	1	1	1	1	1	1			,						

1	1	1	
1=1	1	1	
1	1	1	

1	1	1	
1=1	1	1	
1	1	1	

1	1	1
1=1	1	1
1	1	1

7	8	9	2	1	2	3	4	5	6	7	8	9	3	1	2	3	4	5	6	7
0	0	1	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0
0	0	0	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
0	0	0	3	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0
0	0	0	4	0	1	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0
0	0	0	5	≥ 0	0	0	0	0	1	0	0	0	5	≥ 0	0	0	0	0	0	0
0	0	0	6	0	0	0	0	0	0	0	1	0	6	0	0	0	0	0	1	0
0	0	0	7	0	0	0	0	0	0	0	0	0	7	0	0	0	1	0	0	0
0	0	0	8	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0
0	0	0	9	0	0	0	0	0	0	0	0	0	9	0	0	1	0	0	0	0
				-										_						
7	8	9	5	1	2	3	4	5	6	7	8	9	6	1	2	3	4	5	6	7
0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
0	0	0	2	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0
0	0	0	3	0	0	0	0	0	0	1	0	0	3	0	0	0	0	0	0	0
0	1	0	4	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0
0	0	0	5	≥ 0	0	0	0	0	0	0	0	0	5	≥ 0	0	0	1	0	0	0
0	0	0	6	0	1	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0
0	0	1	7	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0
0	0	0	8	0	0	0	0	1	0	0	0	0	8	0	0	0	0	0	0	0
0	0	0	9	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0
														_						
7	8	9	8	1	2	3	4	5	6	7	8	9	9	1	2	3	4	5	6	7
1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
0	0	0	2	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0

0	0	0	3	0	0	0	0	0	0	0	0	0	3	0	1	0	0	0	0	0
0	0	0	4	1	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0
0	0	0	5	≥ 0	0	0	0	0	0	0	0	0	5	≥ 0	0	0	0	0	0	1
0	0	0	6	0	0	0	0	0	0	0	0	1	6	0	0	0	0	0	0	0
0	1	0	7	0	0	0	0	0	0	0	0	0	7	0	0	1	0	0	0	0
0	0	0	8	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0
0	0	0	9	0	0	0	0	0	1	0	0	0	9	0	0	0	0	0	0	0

8	9
0	0
0	0
0	0
0	0
0	0
0	0
0	0
1	0
0	0

8	9
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	1
0	0

8	9
0	0
1	0

0	0
0	0
0	0
0	0
0	0
0	0
0	0