

## SUDOconnect Puzzles (C)

Apart from the normal Sudoku rules, in a SUDOconnect there is a connectedness requirement.

More precisely, two neighbour cells (horizontal, vertical or diagonal) are connected if they differ at most one.

Now the connectedness requirement states that for any two cells there is a path from the one to the other purely consisting of connected neighbour cells. The picture on the right shows a solution of a SUDOconnect.

The idea of considering this connectedness requirement is due to Hans Kuiper. If you have comments or questions, feel free to contact us at [H.Zantema@tue.nl](mailto:H.Zantema@tue.nl).

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

1

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

2

		6	2	7	8			
							7	8
4					6			
		8				4		
		2	8		4			3
	8		7			3		4
2		7			3	6		
3	6		4		2		8	

3

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

4

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

## SUDOconnect Puzzles (C)

**5**

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

**6**

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

**7**

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

**8**

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

**9**

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

**10**

3	6							
				7				
	4	7			8	6	3	
						4		
							2	8
7	3	8						
4		2						3
					6	8		
	7		4					

# SUDOconnect Puzzles (C)

**11**

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

**12**

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

**13**

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

**14**

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

**15**

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

**16**

		5		7	9			
							1	
		3						
	9				1			7
1							5	3
		9		5			3	
		7		9				1
				3		7		9

## SUDOconnect Puzzles (C)

**17**

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

**18**

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

**19**

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

**20**

						2	5	
			6	8	2			3
5						8		6
8	6	2			5	3		
		8	5					
6	2		3			5		
		3	2		6			

**21**

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

**22**

						3		
	5	4						1
					1			2
				4				
	1	3	2			5	4	
	2	1	5					4
	3		1				2	
	4	5			3		1	

## SUDOconnect Puzzles (C)

**23**

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

**24**

6					7			
4			8	5		6		
		8		4			7	
						9		
		7					4	5
					4			6
	8							7
7			6		5	4		8
	6		4					

**25**

		3	7		9		1	
	9		3		1		7	
		7				5		
	1				3	7		
				9				
			5		7		9	
	5		1					
	7	1				9		
3			9		5	1		

**26**

	6			9	4			
9	4		1			6		
			6			5	4	
1					5		6	
		6	9			1		4
6		9				4		5
	1		4		9			6
		4	5		1	9		

**27**

	8			4	2			6
	6					2	8	4
	4	2	6	8				
8			2	6		4		
6			4			8		2
2		4			8		6	
4		6	8	2				
	2				6		4	8
		8			4	6	2	

**28**

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

## SUDOconnect Puzzles (C)

**29**

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

**30**

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

**31**

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

**32**

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

**33**

			8					7
	6					5		
7								
			7		8		5	1
	1			5		6		
		1	5	6				8
8					7		1	
	5		1				6	

**34**

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