

Puzzle 1 (Hard, difficulty rating 0.64)

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

Puzzle 2 (Hard, difficulty rating 0.71)

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

Puzzle 3 (Hard, difficulty rating 0.61)

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

Puzzle 4 (Hard, difficulty rating 0.62)

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

Puzzle 5 (Hard, difficulty rating 0.63)

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

Puzzle 6 (Hard, difficulty rating 0.66)

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

Puzzle 7 (Hard, difficulty rating 0.66)

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

Puzzle 8 (Hard, difficulty rating 0.69)

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

Puzzle 9 (Hard, difficulty rating 0.63)

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

Puzzle 10 (Hard, difficulty rating 0.64)

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

Puzzle 11 (Hard, difficulty rating 0.62)

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

Puzzle 12 (Hard, difficulty rating 0.62)

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

Puzzle 13 (Hard, difficulty rating 0.67)

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

Puzzle 14 (Hard, difficulty rating 0.70)

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

Puzzle 15 (Hard, difficulty rating 0.62)

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

Puzzle 16 (Hard, difficulty rating 0.65)

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

Puzzle 17 (Hard, difficulty rating 0.69)

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

Puzzle 18 (Hard, difficulty rating 0.72)

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

Puzzle 19 (Hard, difficulty rating 0.72)

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

Puzzle 20 (Hard, difficulty rating 0.64)

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

Puzzle 21 (Hard, difficulty rating 0.71)

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

Puzzle 22 (Hard, difficulty rating 0.61)

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

Puzzle 23 (Hard, difficulty rating 0.68)

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

Puzzle 24 (Hard, difficulty rating 0.74)

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

Puzzle 25 (Hard, difficulty rating 0.66)

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

Puzzle 26 (Hard, difficulty rating 0.70)

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

Puzzle 27 (Hard, difficulty rating 0.73)

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

Puzzle 28 (Hard, difficulty rating 0.64)

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

Puzzle 29 (Hard, difficulty rating 0.62)

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

Puzzle 30 (Hard, difficulty rating 0.66)

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

Puzzle 31 (Hard, difficulty rating 0.66)

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

Puzzle 32 (Hard, difficulty rating 0.72)

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

Puzzle 33 (Hard, difficulty rating 0.61)

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

Puzzle 34 (Hard, difficulty rating 0.62)

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

Puzzle 35 (Hard, difficulty rating 0.64)

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

Puzzle 36 (Hard, difficulty rating 0.61)

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

Puzzle 37 (Hard, difficulty rating 0.61)

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

Puzzle 38 (Hard, difficulty rating 0.75)

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

Puzzle 39 (Hard, difficulty rating 0.69)

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

Puzzle 40 (Hard, difficulty rating 0.67)

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

Puzzle 41 (Hard, difficulty rating 0.67)

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

Puzzle 42 (Hard, difficulty rating 0.68)

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

Puzzle 43 (Hard, difficulty rating 0.62)

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

Puzzle 44 (Hard, difficulty rating 0.66)

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

Puzzle 45 (Hard, difficulty rating 0.68)

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

Puzzle 46 (Hard, difficulty rating 0.67)

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

Puzzle 47 (Hard, difficulty rating 0.63)

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

Puzzle 48 (Hard, difficulty rating 0.62)

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

Puzzle 49 (Hard, difficulty rating 0.61)

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

Puzzle 50 (Hard, difficulty rating 0.63)

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

Puzzle 1 (Hard, difficulty rating 0.64)

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

Puzzle 2 (Hard, difficulty rating 0.71)

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

Puzzle 3 (Hard, difficulty rating 0.61)

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

Puzzle 4 (Hard, difficulty rating 0.62)

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

Puzzle 5 (Hard, difficulty rating 0.63)

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

Puzzle 6 (Hard, difficulty rating 0.66)

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

Puzzle 7 (Hard, difficulty rating 0.66)

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

Puzzle 8 (Hard, difficulty rating 0.69)

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

Puzzle 9 (Hard, difficulty rating 0.63)

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

Puzzle 10 (Hard, difficulty rating 0.64)

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

Puzzle 11 (Hard, difficulty rating 0.62)

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

Puzzle 12 (Hard, difficulty rating 0.62)

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

Puzzle 13 (Hard, difficulty rating 0.67)

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

Puzzle 14 (Hard, difficulty rating 0.70)

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

Puzzle 15 (Hard, difficulty rating 0.62)

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

Puzzle 16 (Hard, difficulty rating 0.65)

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

Puzzle 17 (Hard, difficulty rating 0.69)

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

Puzzle 18 (Hard, difficulty rating 0.72)

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

Puzzle 19 (Hard, difficulty rating 0.72)

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

Puzzle 20 (Hard, difficulty rating 0.64)

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

Puzzle 21 (Hard, difficulty rating 0.71)

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

Puzzle 22 (Hard, difficulty rating 0.61)

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

Puzzle 23 (Hard, difficulty rating 0.68)

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

Puzzle 24 (Hard, difficulty rating 0.74)

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

Puzzle 25 (Hard, difficulty rating 0.66)

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

Puzzle 26 (Hard, difficulty rating 0.70)

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

Puzzle 27 (Hard, difficulty rating 0.73)

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

Puzzle 28 (Hard, difficulty rating 0.64)

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

Puzzle 29 (Hard, difficulty rating 0.62)

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

Puzzle 30 (Hard, difficulty rating 0.66)

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

Puzzle 31 (Hard, difficulty rating 0.66)

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

Puzzle 32 (Hard, difficulty rating 0.72)

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

Puzzle 33 (Hard, difficulty rating 0.61)

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

Puzzle 34 (Hard, difficulty rating 0.62)

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

Puzzle 35 (Hard, difficulty rating 0.64)

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

Puzzle 36 (Hard, difficulty rating 0.61)

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

Puzzle 37 (Hard, difficulty rating 0.61)

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

Puzzle 38 (Hard, difficulty rating 0.75)

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

Puzzle 39 (Hard, difficulty rating 0.69)

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

Puzzle 40 (Hard, difficulty rating 0.67)

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

Puzzle 41 (Hard, difficulty rating 0.67)

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

Puzzle 42 (Hard, difficulty rating 0.68)

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

Puzzle 43 (Hard, difficulty rating 0.62)

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

Puzzle 44 (Hard, difficulty rating 0.66)

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

Puzzle 45 (Hard, difficulty rating 0.68)

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

Puzzle 46 (Hard, difficulty rating 0.67)

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

Puzzle 47 (Hard, difficulty rating 0.63)

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

Puzzle 48 (Hard, difficulty rating 0.62)

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

Puzzle 49 (Hard, difficulty rating 0.61)

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

Puzzle 50 (Hard, difficulty rating 0.63)

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