

Puzzle 1 (Very hard, difficulty rating 0.76)

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

Puzzle 2 (Very hard, difficulty rating 0.93)

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

Puzzle 3 (Very hard, difficulty rating 0.80)

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

Puzzle 4 (Very hard, difficulty rating 0.87)

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

Puzzle 5 (Very hard, difficulty rating 0.87)

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

Puzzle 6 (Very hard, difficulty rating 0.86)

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

Puzzle 7 (Very hard, difficulty rating 0.77)

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

Puzzle 8 (Very hard, difficulty rating 0.92)

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

Puzzle 9 (Very hard, difficulty rating 0.90)

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

Puzzle 10 (Very hard, difficulty rating 0.76)

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

Puzzle 11 (Very hard, difficulty rating 0.89)

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

Puzzle 12 (Very hard, difficulty rating 0.81)

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

Puzzle 13 (Very hard, difficulty rating 0.82)

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

Puzzle 14 (Very hard, difficulty rating 0.79)

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

Puzzle 15 (Very hard, difficulty rating 0.88)

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

Puzzle 16 (Very hard, difficulty rating 0.79)

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

Puzzle 17 (Very hard, difficulty rating 0.82)

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

Puzzle 18 (Very hard, difficulty rating 0.78)

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

Puzzle 19 (Very hard, difficulty rating 0.81)

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

Puzzle 20 (Very hard, difficulty rating 0.79)

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

Puzzle 21 (Very hard, difficulty rating 0.78)

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

Puzzle 22 (Very hard, difficulty rating 0.86)

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

Puzzle 23 (Very hard, difficulty rating 0.75)

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

Puzzle 24 (Very hard, difficulty rating 0.84)

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

Puzzle 25 (Very hard, difficulty rating 0.78)

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

Puzzle 26 (Very hard, difficulty rating 0.93)

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

Puzzle 27 (Very hard, difficulty rating 0.85)

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

Puzzle 28 (Very hard, difficulty rating 0.78)

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

Puzzle 29 (Very hard, difficulty rating 0.89)

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

Puzzle 30 (Very hard, difficulty rating 0.81)

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

Puzzle 31 (Very hard, difficulty rating 0.94)

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

Puzzle 32 (Very hard, difficulty rating 0.80)

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

Puzzle 33 (Very hard, difficulty rating 0.76)

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

Puzzle 34 (Very hard, difficulty rating 0.81)

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

Puzzle 35 (Very hard, difficulty rating 0.76)

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

Puzzle 36 (Very hard, difficulty rating 0.83)

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

Puzzle 37 (Very hard, difficulty rating 0.97)

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

Puzzle 38 (Very hard, difficulty rating 0.77)

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

Puzzle 39 (Very hard, difficulty rating 0.80)

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

Puzzle 40 (Very hard, difficulty rating 0.85)

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

Puzzle 41 (Very hard, difficulty rating 0.77)

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

Puzzle 42 (Very hard, difficulty rating 0.83)

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

Puzzle 43 (Very hard, difficulty rating 0.86)

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

Puzzle 44 (Very hard, difficulty rating 0.83)

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

Puzzle 45 (Very hard, difficulty rating 0.88)

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

Puzzle 46 (Very hard, difficulty rating 0.78)

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

Puzzle 47 (Very hard, difficulty rating 0.88)

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

Puzzle 48 (Very hard, difficulty rating 0.81)

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

Puzzle 49 (Very hard, difficulty rating 0.86)

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

Puzzle 50 (Very hard, difficulty rating 1.00)

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

Puzzle 1 (Very hard, difficulty rating 0.76)

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

Puzzle 2 (Very hard, difficulty rating 0.93)

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

Puzzle 3 (Very hard, difficulty rating 0.80)

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

Puzzle 4 (Very hard, difficulty rating 0.87)

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 5 (Very hard, difficulty rating 0.87)

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 6 (Very hard, difficulty rating 0.86)

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

Puzzle 7 (Very hard, difficulty rating 0.77)

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

Puzzle 8 (Very hard, difficulty rating 0.92)

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

Puzzle 9 (Very hard, difficulty rating 0.90)

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 10 (Very hard, difficulty rating 0.76)

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

Puzzle 11 (Very hard, difficulty rating 0.89)

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

Puzzle 12 (Very hard, difficulty rating 0.81)

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

Puzzle 13 (Very hard, difficulty rating 0.82)

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

Puzzle 14 (Very hard, difficulty rating 0.79)

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

Puzzle 15 (Very hard, difficulty rating 0.88)

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

Puzzle 16 (Very hard, difficulty rating 0.79)

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

Puzzle 17 (Very hard, difficulty rating 0.82)

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

Puzzle 18 (Very hard, difficulty rating 0.78)

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

Puzzle 19 (Very hard, difficulty rating 0.81)

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

Puzzle 20 (Very hard, difficulty rating 0.79)

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

Puzzle 21 (Very hard, difficulty rating 0.78)

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

Puzzle 22 (Very hard, difficulty rating 0.86)

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

Puzzle 23 (Very hard, difficulty rating 0.75)

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

Puzzle 24 (Very hard, difficulty rating 0.84)

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

Puzzle 25 (Very hard, difficulty rating 0.78)

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

Puzzle 26 (Very hard, difficulty rating 0.93)

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

Puzzle 27 (Very hard, difficulty rating 0.85)

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

Puzzle 28 (Very hard, difficulty rating 0.78)

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

Puzzle 29 (Very hard, difficulty rating 0.89)

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

Puzzle 30 (Very hard, difficulty rating 0.81)

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

Puzzle 31 (Very hard, difficulty rating 0.94)

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

Puzzle 32 (Very hard, difficulty rating 0.80)

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

Puzzle 33 (Very hard, difficulty rating 0.76)

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

Puzzle 34 (Very hard, difficulty rating 0.81)

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

Puzzle 35 (Very hard, difficulty rating 0.76)

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

Puzzle 36 (Very hard, difficulty rating 0.83)

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

Puzzle 37 (Very hard, difficulty rating 0.97)

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

Puzzle 38 (Very hard, difficulty rating 0.77)

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 39 (Very hard, difficulty rating 0.80)

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

Puzzle 40 (Very hard, difficulty rating 0.85)

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

Puzzle 41 (Very hard, difficulty rating 0.77)

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

Puzzle 42 (Very hard, difficulty rating 0.83)

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

Puzzle 43 (Very hard, difficulty rating 0.86)

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

Puzzle 44 (Very hard, difficulty rating 0.83)

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 45 (Very hard, difficulty rating 0.88)

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

Puzzle 46 (Very hard, difficulty rating 0.78)

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

Puzzle 47 (Very hard, difficulty rating 0.88)

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

Puzzle 48 (Very hard, difficulty rating 0.81)

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

Puzzle 49 (Very hard, difficulty rating 0.86)

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 50 (Very hard, difficulty rating 1.00)

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