

Puzzle 1 (Hard, difficulty rating 0.64)

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

Puzzle 2 (Hard, difficulty rating 0.63)

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

Puzzle 3 (Hard, difficulty rating 0.69)

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

Puzzle 4 (Hard, difficulty rating 0.64)

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

Puzzle 5 (Hard, difficulty rating 0.64)

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

Puzzle 6 (Hard, difficulty rating 0.61)

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

Puzzle 7 (Hard, difficulty rating 0.61)

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

Puzzle 8 (Hard, difficulty rating 0.66)

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

Puzzle 9 (Hard, difficulty rating 0.73)

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

Puzzle 10 (Hard, difficulty rating 0.69)

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

Puzzle 11 (Hard, difficulty rating 0.69)

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

Puzzle 12 (Hard, difficulty rating 0.71)

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

Puzzle 13 (Hard, difficulty rating 0.61)

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

Puzzle 14 (Hard, difficulty rating 0.72)

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

Puzzle 15 (Hard, difficulty rating 0.68)

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

Puzzle 16 (Hard, difficulty rating 0.68)

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

Puzzle 17 (Hard, difficulty rating 0.66)

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

Puzzle 18 (Hard, difficulty rating 0.60)

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

Puzzle 19 (Hard, difficulty rating 0.68)

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

Puzzle 20 (Hard, difficulty rating 0.63)

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

Puzzle 21 (Hard, difficulty rating 0.71)

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

Puzzle 22 (Hard, difficulty rating 0.71)

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

Puzzle 23 (Hard, difficulty rating 0.70)

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

Puzzle 24 (Hard, difficulty rating 0.63)

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

Puzzle 25 (Hard, difficulty rating 0.61)

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

Puzzle 26 (Hard, difficulty rating 0.67)

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

Puzzle 27 (Hard, difficulty rating 0.65)

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

Puzzle 28 (Hard, difficulty rating 0.65)

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

Puzzle 29 (Hard, difficulty rating 0.66)

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

Puzzle 30 (Hard, difficulty rating 0.63)

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

Puzzle 31 (Hard, difficulty rating 0.66)

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

Puzzle 32 (Hard, difficulty rating 0.73)

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



Puzzle 33 (Hard, difficulty rating 0.62)

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

Puzzle 34 (Hard, difficulty rating 0.63)

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

Puzzle 35 (Hard, difficulty rating 0.63)

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

Puzzle 36 (Hard, difficulty rating 0.65)

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

Puzzle 37 (Hard, difficulty rating 0.67)

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

Puzzle 38 (Hard, difficulty rating 0.62)

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

Puzzle 39 (Hard, difficulty rating 0.73)

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

Puzzle 40 (Hard, difficulty rating 0.64)

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

Puzzle 41 (Hard, difficulty rating 0.62)

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

Puzzle 42 (Hard, difficulty rating 0.73)

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

Puzzle 43 (Hard, difficulty rating 0.60)

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

Puzzle 44 (Hard, difficulty rating 0.66)

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

Puzzle 45 (Hard, difficulty rating 0.68)

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

Puzzle 46 (Hard, difficulty rating 0.64)

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

Puzzle 47 (Hard, difficulty rating 0.69)

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

Puzzle 48 (Hard, difficulty rating 0.71)

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

Puzzle 49 (Hard, difficulty rating 0.66)

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

Puzzle 50 (Hard, difficulty rating 0.68)

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

Puzzle 1 (Hard, difficulty rating 0.64)

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 2 (Hard, difficulty rating 0.63)

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

Puzzle 3 (Hard, difficulty rating 0.69)

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

Puzzle 4 (Hard, difficulty rating 0.64)

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

Puzzle 5 (Hard, difficulty rating 0.64)

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 6 (Hard, difficulty rating 0.61)

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 7 (Hard, difficulty rating 0.61)

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

Puzzle 8 (Hard, difficulty rating 0.66)

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

Puzzle 9 (Hard, difficulty rating 0.73)

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 10 (Hard, difficulty rating 0.69)

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

Puzzle 11 (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 12 (Hard, difficulty rating 0.71)

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 13 (Hard, difficulty rating 0.61)

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

Puzzle 14 (Hard, difficulty rating 0.72)

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

Puzzle 15 (Hard, difficulty rating 0.68)

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

Puzzle 16 (Hard, difficulty rating 0.68)

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

Puzzle 17 (Hard, difficulty rating 0.66)

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

Puzzle 18 (Hard, difficulty rating 0.60)

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 19 (Hard, difficulty rating 0.68)

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

Puzzle 20 (Hard, difficulty rating 0.63)

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

Puzzle 21 (Hard, difficulty rating 0.71)

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

Puzzle 22 (Hard, difficulty rating 0.71)

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

Puzzle 23 (Hard, difficulty rating 0.70)

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

Puzzle 24 (Hard, difficulty rating 0.63)

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

Puzzle 25 (Hard, difficulty rating 0.61)

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

Puzzle 26 (Hard, difficulty rating 0.67)

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 27 (Hard, difficulty rating 0.65)

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

Puzzle 28 (Hard, difficulty rating 0.65)

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 29 (Hard, difficulty rating 0.66)

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

Puzzle 30 (Hard, difficulty rating 0.63)

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

Puzzle 31 (Hard, difficulty rating 0.66)

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

Puzzle 32 (Hard, difficulty rating 0.73)

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

Puzzle 33 (Hard, difficulty rating 0.62)

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

Puzzle 34 (Hard, difficulty rating 0.63)

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

Puzzle 35 (Hard, difficulty rating 0.63)

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

Puzzle 36 (Hard, difficulty rating 0.65)

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



Puzzle 37 (Hard, difficulty rating 0.67)

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

Puzzle 38 (Hard, difficulty rating 0.62)

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 39 (Hard, difficulty rating 0.73)

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 40 (Hard, difficulty rating 0.64)

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 41 (Hard, difficulty rating 0.62)

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

Puzzle 42 (Hard, difficulty rating 0.73)

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

Puzzle 43 (Hard, difficulty rating 0.60)

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

Puzzle 44 (Hard, difficulty rating 0.66)

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

Puzzle 45 (Hard, difficulty rating 0.68)

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

Puzzle 46 (Hard, difficulty rating 0.64)

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

Puzzle 47 (Hard, difficulty rating 0.69)

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 48 (Hard, difficulty rating 0.71)

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 49 (Hard, difficulty rating 0.66)

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 50 (Hard, difficulty rating 0.68)

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