

Step 0: Start

Initial puzzle & candidates.

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

Step 1: Naked Single

R1C6 = 6 (naked single).

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

Step 2: Naked Single

R3C9 = 6 (naked single).

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

Step 3: Naked Single

R2C7 = 1 (naked single).

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

Step 4: Naked Single

R5C8 = 3 (naked single).

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

Step 5: Naked Single

R8C8 = 4 (naked single).

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

Step 6: Naked Single

R1C8 = 8 (naked single).

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

Step 7: Naked Single

R3C7 = 4 (naked single).

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

Step 8: Naked Single

R8C9 = 5 (naked single).

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

Step 9: Naked Single

R7C9 = 2 (naked single).

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

Step 10: Naked Single

R8C3 = 8 (naked single).

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

Step 11: Naked Single

R9C1 = 9 (naked single).

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

Step 12: Naked Single

R9C7 = 6 (naked single).

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

Step 13: Hidden Single

R2C3 = 6 (hidden single in its unit).

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

Step 14: Hidden Single

R3C4 = 1 (hidden single in its unit).

1	<small>2 5</small>	3	<small>4 5</small>	<small>4 5</small>	6	7	8	9
4	<small>5 9</small>	6	<small>5 7</small>	8	<small>7 9</small>	1	2	3
<small>7 8</small>	<small>2 8 9</small>	<small>7 9</small>	1	<small>2 3 7</small>	<small>3 7 9</small>	4	5	6
2	<small>3 4 5 8</small>	<small>4 5 7</small>	<small>3 5 7</small>	6	<small>3 7</small>	<small>5 8</small>	9	1
<small>5 7</small>	6	<small>5 7</small>	8	9	1	<small>2 5</small>	3	4
<small>5 8</small>	<small>1 3 5 8 9</small>	<small>1 5 9</small>	2	<small>3 5</small>	4	<small>5 8</small>	6	7
3	<small>4 5</small>	<small>4 5</small>	<small>4 6 7</small>	<small>4 7</small>	<small>7 8</small>	9	1	2
6	7	8	9	1	2	3	4	5
9	<small>1 4</small>	2	<small>3 4</small>	<small>3 4</small>	5	6	7	8

Step 15: Hidden Single

R5C7 = 2 (hidden single in its unit).

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

Step 16: Hidden Single

R7C4 = 6 (hidden single in its unit).

1	<small>2 5</small>	3	<small>4 5</small>	<small>2 4 5</small>	6	7	8	9
4	<small>5 9</small>	6	<small>5 7</small>	8	<small>7 9</small>	1	2	3
<small>7 8</small>	<small>2 8 9</small>	<small>7 9</small>	1	<small>2 3 7</small>	<small>3 7 9</small>	4	5	6
2	<small>3 4 5 8</small>	<small>4 5 7</small>	<small>3 5 7</small>	6	<small>3 7</small>	<small>5 8</small>	9	1
<small>5 7</small>	6	<small>5 7</small>	8	9	1	2	3	4
<small>5 8</small>	<small>1 3 5 8 9</small>	<small>1 5 9</small>	2	<small>3 5</small>	4	<small>5 8</small>	6	7
3	<small>4 5</small>	<small>4 5</small>	6	<small>4 7</small>	<small>7 8</small>	9	1	2
6	7	8	9	1	2	3	4	5
9	<small>1 4</small>	2	<small>3 4</small>	<small>3 4</small>	5	6	7	8

Step 17: Hidden Single

R7C6 = 8 (hidden single in its unit).

1	<small>2 5</small>	3	<small>4 5</small>	<small>4 5 2</small>	6	7	8	9
4	<small>5 9</small>	6	<small>5 7</small>	8	<small>7 9</small>	1	2	3
<small>7 8</small>	<small>2 8 9</small>	<small>7 9</small>	1	<small>2 3 7</small>	<small>3 7 9</small>	4	5	6
2	<small>3 4 5 8</small>	<small>4 5 7</small>	<small>3 5 7</small>	6	<small>3 7</small>	<small>5 8</small>	9	1
<small>5 7</small>	6	<small>5 7</small>	8	9	1	2	3	4
<small>5 8</small>	<small>1 3 5 8 9</small>	<small>1 5 9</small>	2	<small>3 5</small>	4	<small>5 8</small>	6	7
3	<small>4 5</small>	<small>4 5</small>	6	<small>4 7</small>	8	9	1	2
6	7	8	9	1	2	3	4	5
9	<small>1 4</small>	2	<small>3 4</small>	<small>3 4</small>	5	6	7	8

Step 18: Hidden Single

R7C5 = 7 (hidden single in its unit).

1	<small>2 5</small>	3	<small>4 5</small>	<small>2 4 5</small>	6	7	8	9
4	<small>5 9</small>	6	<small>5 7</small>	8	<small>7 9</small>	1	2	3
<small>7 8</small>	<small>2 8 9</small>	<small>7 9</small>	1	<small>2 3 7 9</small>	<small>3</small>	4	5	6
2	<small>3 4 5 8</small>	<small>4 5 7</small>	<small>3 5 7</small>	6	<small>3 7</small>	<small>5 8</small>	9	1
<small>5 7</small>	6	<small>5 7</small>	8	9	1	2	3	4
<small>5 8</small>	<small>1 3 5 8 9</small>	<small>1 5 9</small>	2	<small>3 5</small>	4	<small>5 8</small>	6	7
3	<small>4 5</small>	<small>4 5</small>	6	7	8	9	1	2
6	7	8	9	1	2	3	4	5
9	<small>1 4</small>	2	<small>3 4</small>	<small>3 4</small>	5	6	7	8

Step 19: Hidden Single

R9C2 = 1 (hidden single in its unit).

1	<small>2 5</small>	3	<small>4 5</small>	<small>4 5 2</small>	6	7	8	9
4	<small>5 9</small>	6	<small>5 7</small>	8	<small>7 9</small>	1	2	3
<small>7 8</small>	<small>2 8 9</small>	<small>7 9</small>	1	<small>2 3 7 9</small>	<small>3</small>	4	5	6
2	<small>3 4 5 8</small>	<small>4 5 7</small>	<small>3 5 7</small>	6	<small>3 7</small>	<small>5 8</small>	9	1
<small>5 7</small>	6	<small>5 7</small>	8	9	1	2	3	4
<small>5 8</small>	<small>3 5 8 9</small>	<small>1 5 9</small>	2	<small>3 5</small>	4	<small>5 8</small>	6	7
3	<small>4 5</small>	<small>4 5</small>	6	7	8	9	1	2
6	7	8	9	1	2	3	4	5
9	1	2	<small>3 4</small>	<small>3 4</small>	5	6	7	8

Step 20: Hidden Single

R6C3 = 1 (hidden single in its unit).

1	<small>2 5</small>	3	<small>4 5</small>	<small>4 5 2</small>	6	7	8	9
4	<small>5 9</small>	6	<small>5 7</small>	8	<small>7 9</small>	1	2	3
<small>7 8</small>	<small>2 8 9</small>	<small>7 9</small>	1	<small>2 3 7 9</small>	<small>3</small>	4	5	6
2	<small>4 5 8</small>	<small>3 4 5 7</small>	<small>3 5 7</small>	6	<small>3 7</small>	<small>5 8</small>	9	1
<small>5 7</small>	6	<small>5 7</small>	8	9	1	2	3	4
<small>5 8</small>	<small>3 5 8 9</small>	1	2	<small>3 5</small>	4	<small>5 8</small>	6	7
3	<small>4 5</small>	<small>4 5</small>	6	7	8	9	1	2
6	7	8	9	1	2	3	4	5
9	1	2	<small>3 4</small>	<small>3 4</small>	5	6	7	8

Step 21: Hidden Single

R6C2 = 9 (hidden single in its unit).

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

Step 22: Naked Single

R2C2 = 5 (naked single).

1	²	3	^{4 5}	^{4 5}	6	7	8	9
4	5	6	⁷	8	^{7 9}	1	2	3
^{7 8}	² ⁸	^{7 9}	1	^{2 3} ^{7 9}	³	4	5	6
2	⁴ ⁸	³ ^{4 5} ⁷	³ ⁵ ⁷	6	³ ⁷	⁵ ⁸	9	1
⁵ ⁷	6	⁵ ⁷	8	9	1	2	3	4
⁵ ⁸	9	1	2	³ ⁵	4	⁵ ⁸	6	7
3	⁴	^{4 5}	6	7	8	9	1	2
6	7	8	9	1	2	3	4	5
9	1	2	³ ⁴	³ ⁴	5	6	7	8

Step 23: Naked Single

R1C2 = 2 (naked single).

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

Step 24: Naked Single

R2C4 = 7 (naked single).

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

Step 25: Naked Single

R2C6 = 9 (naked single).

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

Step 26: Naked Single

R3C2 = 8 (naked single).

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

Step 27: Naked Single

R3C1 = 7 (naked single).

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

Step 28: Naked Single

R3C3 = 9 (naked single).

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

Step 29: Naked Single

R3C6 = 3 (naked single).

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

Step 30: Naked Single

R3C5 = 2 (naked single).

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

Step 31: Naked Single

R4C6 = 7 (naked single).

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

Step 32: Naked Single

R5C1 = 5 (naked single).

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

Step 33: Naked Single

R4C3 = 4 (naked single).

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

Step 34: Naked Single

R4C2 = 3 (naked single).

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

Step 35: Naked Single

R4C4 = 5 (naked single).

1	2	3	<small>4</small>	<small>4 5</small>	6	7	8	9
4	5	6	7	8	9	1	2	3
7	8	9	1	2	3	4	5	6
2	3	4	5	6	7	<small>8</small>	9	1
5	6	<small>7</small>	8	9	1	2	3	4
<small>8</small>	9	1	2	<small>3</small>	4	<small>5 8</small>	6	7
3	<small>4</small>	<small>5</small>	6	7	8	9	1	2
6	7	8	9	1	2	3	4	5
9	1	2	<small>4 3</small>	<small>4 3</small>	5	6	7	8

Step 36: Naked Single

R1C4 = 4 (naked single).

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

Step 37: Naked Single

R1C5 = 5 (naked single).

1	2	3	4	5	6	7	8	9
4	5	6	7	8	9	1	2	3
7	8	9	1	2	3	4	5	6
2	3	4	5	6	7	<small>8</small>	9	1
5	6	<small>7</small>	8	9	1	2	3	4
<small>8</small>	9	1	2	<small>3</small>	4	<small>5 8</small>	6	7
3	<small>4</small>	<small>5</small>	6	7	8	9	1	2
6	7	8	9	1	2	3	4	5
9	1	2	<small>3</small>	<small>4</small>	<small>3</small>	5	6	7

Step 38: Naked Single

R4C7 = 8 (naked single).

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

Step 39: Naked Single

R5C3 = 7 (naked single).

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

Step 40: Naked Single

R6C1 = 8 (naked single).

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

Step 41: Naked Single

R6C5 = 3 (naked single).

1	2	3	4	5	6	7	8	9
4	5	6	7	8	9	1	2	3
7	8	9	1	2	3	4	5	6
2	3	4	5	6	7	8	9	1
5	6	7	8	9	1	2	3	4
8	9	1	2	3	4	<small>5</small>	6	7
3	<small>4</small>	<small>5</small>	6	7	8	9	1	2
6	7	8	9	1	2	3	4	5
9	1	2	<small>3</small>	<small>4</small>	5	6	7	8

Step 42: Naked Single

R6C7 = 5 (naked single).

1	2	3	4	5	6	7	8	9
4	5	6	7	8	9	1	2	3
7	8	9	1	2	3	4	5	6
2	3	4	5	6	7	8	9	1
5	6	7	8	9	1	2	3	4
8	9	1	2	3	4	5	6	7
3	<small>4</small>	<small>5</small>	6	7	8	9	1	2
6	7	8	9	1	2	3	4	5
9	1	2	<small>3</small>	<small>4</small>	5	6	7	8

Step 43: Naked Single

R7C2 = 4 (naked single).

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

Step 44: Naked Single

R7C3 = 5 (naked single).

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

Step 45: Naked Single

R9C4 = 3 (naked single).

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

Step 46: Naked Single

R9C5 = 4 (naked single).

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