

Step 0: Start

Initial puzzle & candidates.

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

Step 1: Naked Single

R6C6 = 9 (naked single).

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

Step 2: Naked Single

R9C6 = 8 (naked single).

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

Step 3: Naked Single

R9C2 = 1 (naked single).

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

Step 4: Hidden Single

R2C4 = 1 (hidden single in its unit).

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

Step 5: Hidden Single

R1C1 = 1 (hidden single in its unit).

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

Step 6: Hidden Single

R3C9 = 2 (hidden single in its unit).

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

Step 7: Naked Single

R9C9 = 5 (naked single).

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

Step 8: Naked Single

R9C7 = 2 (naked single).

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

Step 9: Naked Single

R9C4 = 9 (naked single).

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

Step 10: Hidden Single

R3C5 = 3 (hidden single in its unit).

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

Step 11: Hidden Single

R3C4 = 8 (hidden single in its unit).

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

Step 12: Hidden Single

R3C2 = 5 (hidden single in its unit).

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

Step 13: Hidden Single

R5C5 = 2 (hidden single in its unit).

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

Step 14: Naked Single

R8C5 = 4 (naked single).

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

Step 15: Naked Single

R1C5 = 5 (naked single).

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

Step 16: Naked Single

R1C4 = 4 (naked single).

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

Step 17: Naked Single

R1C2 = 7 (naked single).

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

Step 18: Naked Single

R6C5 = 1 (naked single).

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

Step 19: Naked Single

R8C1 = 9 (naked single).

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

Step 20: Naked Single

R8C3 = 8 (naked single).

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

Step 21: Naked Single

R7C2 = 4 (naked single).

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

Step 22: Naked Single

R6C2 = 8 (naked single).

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

Step 23: Naked Single

R8C4 = 2 (naked single).

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

Step 24: Hidden Single

R5C3 = 3 (hidden single in its unit).

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

Step 25: Hidden Single

R6C4 = 5 (hidden single in its unit).

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

Step 26: Naked Single

R4C4 = 6 (naked single).

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

Step 27: Naked Single

R4C8 = 7 (naked single).

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

Step 28: Naked Single

R4C1 = 4 (naked single).

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

Step 29: Naked Single

R3C1 = 6 (naked single).

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

Step 30: Naked Single

R3C3 = 4 (naked single).

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

Step 31: Naked Single

R4C3 = 1 (naked single).

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

Step 32: Naked Single

R4C7 = 5 (naked single).

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

Step 33: Naked Single

R6C1 = 7 (naked single).

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

Step 34: Naked Single

R6C3 = 6 (naked single).

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

Step 35: Naked Single

R6C9 = 4 (naked single).

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

Step 36: Naked Single

R2C9 = 7 (naked single).

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

Step 37: Naked Single

R2C7 = 4 (naked single).

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

Step 38: Naked Single

R8C8 = 3 (naked single).

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

Step 39: Naked Single

R1C8 = 6 (naked single).

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

Step 40: Naked Single

R1C7 = 8 (naked single).

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

Step 41: Naked Single

R1C9 = 3 (naked single).

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

Step 42: Naked Single

R7C7 = 6 (naked single).

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

Step 43: Naked Single

R5C7 = 1 (naked single).

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

Step 44: Naked Single

R5C9 = 6 (naked single).

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

Step 45: Naked Single

R7C9 = 8 (naked single).

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

Step 46: Naked Single

R8C7 = 7 (naked single).

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

Step 47: Naked Single

R8C9 = 1 (naked single).

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