

# 1 Cands {6} are locked in block

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

# 2 Cands {9} are locked in col

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

### 3 Cands {4, 5} are locked in col

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

### 4 Naked Single

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

## 5 Hidden Single

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

## 6 Naked Single

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

## 7 Naked Single

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

## 8 Naked Pair with cell (3, 8)

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

## 9 Hidden Single

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

## 10 Hidden Single

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

## 11 Hidden Single

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

## 12 Hidden Pair {3, 7} with cell (4, 8)

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

### 13 Naked Pair with cell (4, 7)

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

### 14 Cands {1} are locked in col

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

## 15 Hidden Single

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

## 16 Hidden Single

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



## 17 Naked Single

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

## 18 Naked Single

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

## 19 Hidden Single

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

## 20 Naked Triplet in row with cell (6, 6) and cell (6, 8)

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

## 21 Naked Single

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

## 22 Naked Single

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

## 23 Naked Pair with cell (0, 6)

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

## 24 Hidden Single

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

## 25 Hidden Pair {7, 9} with cell (7, 4)

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

## 26 Cands {5, 6} are locked in block

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

## 27 Hidden Pair {5, 6} with cell (0, 1)

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

## 28 Hidden Single

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

## 29 Naked Triplet in row with cell (1, 1) and cell (1, 3)

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

## 30 Naked Single

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

### 31 Hidden Single

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

### 32 Naked Single

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



### 33 Hidden Single

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

### 34 Naked Single

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

### 35 Naked Single

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

### 36 Cands {2} are locked in row

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

### 37 Naked Pair with cell (7, 5)

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

### 38 Naked Single

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

### 39 Naked Triplet in col with cell (2, 2) and cell (6, 2)

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

### 40 Hidden Single

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

## 41 Naked Single

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

## 42 Hidden Single

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

### 43 Naked Single

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

### 44 Naked Single

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

## 45 Hidden Single

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

## 46 Hidden Single

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

## 47 Hidden Single

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

## 48 Naked Single

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



## 49 Hidden Single

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

## 50 Hidden Single

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

## 51 Naked Single

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

## 52 Naked Single

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

### 53 Hidden Single

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

### 54 Naked Single

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

## 55 Hidden Single

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

## 56 Hidden Single

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

## 57 Hidden Single

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

## 58 Naked Single

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

## 59 Naked Single

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

## 60 Naked Single

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

## 61 Naked Single

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

## 62 Naked Single

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

### 63 Naked Single

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

### 64 Naked Single

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



## 65 Naked Single

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

## 66 Naked Single

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

## 67 Naked Single

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

## 68 Naked Single

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

## 69 Naked Single

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