

Caso 1

Sudoku Inicial

0	2	0	0	9	1	0	0	0
7	0	0	0	0	0	0	6	0
0	0	6	0	7	0	2	9	8
0	0	0	5	6	0	3	0	0
0	5	0	2	0	0	0	0	0
2	0	0	0	0	0	0	0	4
4	9	1	0	0	3	0	8	0
0	0	0	0	2	8	1	0	0
0	0	2	0	0	0	0	0	7

1 Resultados

Solución del solver: zchaff

Tiempo: 0.0257 ms.

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

Solución del solver: kecosats

Tiempo: 0.0221 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.0205 ms.

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

Caso 2

Sudoku Inicial

0	0	0	0	0	3	0	9	0
2	0	0	0	5	0	0	0	0
0	6	0	0	0	0	0	0	0
0	0	0	0	2	0	0	0	0
0	0	0	7	0	0	0	0	0
0	9	3	0	0	0	0	8	0
0	0	8	9	0	1	0	0	0
6	0	0	0	0	0	5	0	2
0	0	0	0	0	0	0	4	0

2 Resultados

Solución del solver: zchaff

Tiempo: 0.0239 ms.

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

Solución del solver: kecosats

Tiempo: 55.5058 ms.

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

Solución del solver: kecosats+learning

Tiempo: 45.0002 ms.

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

Caso 3

Sudoku Inicial

1	0	0	0	0	0	0	0	8
0	0	0	6	9	0	0	0	0
0	0	0	0	0	2	0	0	0
0	0	2	0	0	0	0	0	0
0	0	0	1	0	5	0	7	0
0	0	9	0	0	0	0	4	0
7	0	0	5	0	0	0	0	0
0	0	0	0	0	0	0	0	2
0	0	0	0	4	0	6	0	9

3 Resultados

Solución del solver: zchaff

Tiempo: 0.0437 ms.

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

Solución del solver: kecosats

Tiempo: -1 ms.

0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0

Solución del solver: kecosats+learning

Tiempo: -1 ms.

0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0

Caso 4

Sudoku Inicial

1	0	0	8	0	0	0	6	0
0	0	0	4	5	7	0	0	2
0	0	0	0	9	0	4	8	0
0	1	0	0	0	0	0	5	0
8	0	9	0	0	0	1	0	0
0	0	2	0	0	0	0	0	3
0	0	5	3	8	2	0	0	0
2	6	0	0	7	0	0	0	0
4	0	0	0	0	9	0	3	0

4 Resultados

Solución del solver: zchaff

Tiempo: 0.0224 ms.

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

Solución del solver: kecosats

Tiempo: 0.0201 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.0198 ms.

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

Caso 5

Sudoku Inicial

0	9	0	0	1	0	0	0	0
0	0	0	6	0	0	0	0	1
0	1	0	0	2	0	6	0	3
8	0	0	0	0	0	0	3	0
9	0	0	5	0	3	0	4	0
0	0	0	9	0	0	0	0	5
0	0	0	2	0	0	0	0	8
2	0	0	0	8	0	7	0	0
0	5	0	0	0	4	0	2	0

5 Resultados

Solución del solver: zchaff

Tiempo: 0.0201 ms.

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

Solución del solver: kecosats

Tiempo: 0.4384 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.2391 ms.

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

Caso 6

Sudoku Inicial

0	2	0	8	0	0	3	0	7
0	0	0	4	1	0	0	9	0
0	6	0	0	0	0	5	0	0
0	0	0	0	7	2	0	8	5
0	1	8	6	5	0	0	0	0
0	0	9	0	0	0	0	2	0
0	0	7	0	6	3	0	0	0
6	0	0	0	0	0	0	0	2
3	4	0	0	0	1	0	0	9

6 Resultados

Solución del solver: zchaff

Tiempo: 0.0231 ms.

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

Solución del solver: kecosats

Tiempo: 0.0185 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.0189 ms.

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

Caso 7

Sudoku Inicial

0	9	8	1	0	0	0	0	0
7	0	1	0	0	0	0	0	2
6	0	0	2	0	0	0	7	0
0	0	3	0	0	6	0	0	0
0	0	4	0	7	0	6	0	0
0	0	0	3	0	0	4	0	0
0	8	0	0	0	0	3	1	0
4	0	0	0	3	9	0	6	0
0	0	0	0	0	1	2	0	9

7 Resultados

Solución del solver: zchaff

Tiempo: 0.0213 ms.

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

Solución del solver: kecosats

Tiempo: 0.0262 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.0263 ms.

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

Caso 8

Sudoku Inicial

3	0	0	0	0	0	0	2	0
0	0	1	0	0	2	4	6	0
0	9	0	0	6	7	0	0	5
0	0	0	4	0	0	0	0	0
6	0	0	0	9	0	0	0	8
0	0	0	0	0	8	3	0	0
9	0	8	0	2	0	0	1	0
0	0	6	0	0	0	7	0	0
0	7	0	0	5	6	0	0	2

8 Resultados

Solución del solver: zchaff

Tiempo: 0.0206 ms.

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

Solución del solver: kecosats

Tiempo: 0.0196 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.0259 ms.

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

Caso 9

Sudoku Inicial

0	0	0	1	0	6	0	0	0
0	0	3	0	0	5	7	0	0
8	0	0	0	0	0	9	0	0
0	4	0	0	5	0	0	0	0
5	0	7	0	0	0	8	0	0
0	1	9	0	0	2	0	6	0
0	0	6	0	7	0	5	1	0
0	0	0	0	2	0	0	0	4
0	3	0	9	0	0	0	0	0

9 Resultados

Solución del solver: zchaff

Tiempo: 0.0202 ms.

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

Solución del solver: kecosats

Tiempo: 0.0198 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.0201 ms.

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

Caso 10

Sudoku Inicial

0	0	6	0	0	0	3	0	0
0	7	0	0	0	1	0	0	0
0	0	0	0	9	0	0	0	4
0	0	0	0	0	0	9	8	0
0	0	0	5	0	0	0	0	0
0	0	5	3	0	6	0	0	0
4	8	0	0	5	0	0	0	0
0	0	0	0	0	0	6	0	0
0	9	0	0	0	0	0	0	0

10 Resultados

Solución del solver: zchaff

Tiempo: 0.0484 ms.

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

Solución del solver: kecosats

Tiempo: 2.0538 ms.

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

Solución del solver: kecosats+learning

Tiempo: 1.7222 ms.

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

Caso 11

Sudoku Inicial

0	0	0	4	0	0	0	0	9
0	2	0	9	8	0	0	3	0
0	9	3	0	0	0	8	4	0
0	0	0	0	0	0	0	0	0
2	0	0	0	0	8	0	6	7
1	6	0	3	0	0	0	0	2
0	4	9	0	0	0	6	5	0
6	0	0	0	0	3	0	0	0
0	0	0	0	5	9	0	1	0

11 Resultados

Solución del solver: zchaff

Tiempo: 0.0315 ms.

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

Solución del solver: kecosats

Tiempo: 0.0496 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.0494 ms.

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

Caso 12

Sudoku Inicial

0	0	0	0	0	0	7	0	0
0	0	0	0	0	0	0	0	1
0	8	0	0	6	2	0	0	5
0	0	0	0	0	0	0	1	0
0	0	0	0	0	7	5	0	2
1	0	4	0	0	8	0	3	0
4	0	0	0	9	0	0	0	0
2	6	0	1	0	0	9	0	0
0	0	7	2	0	6	8	0	0

12 Resultados

Solución del solver: zchaff

Tiempo: 0.0214 ms.

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

Solución del solver: kecosats

Tiempo: 0.0563 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.0565 ms.

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

Caso 13

Sudoku Inicial

0	2	0	0	0	0	0	0	0
0	0	5	2	0	0	9	0	0
7	0	0	1	6	0	0	0	2
2	0	6	9	3	4	7	5	0
3	0	0	7	0	0	0	0	0
0	0	0	0	0	2	6	0	0
0	0	0	0	0	0	0	0	4
0	1	0	0	8	7	2	0	0
6	0	0	0	0	9	0	1	0

13 Resultados

Solución del solver: zchaff

Tiempo: 0.0216 ms.

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

Solución del solver: kecosats

Tiempo: 0.0253 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.0231 ms.

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

Caso 14

Sudoku Inicial

5	0	4	0	3	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	9	7
4	0	0	0	0	0	3	0	0
0	0	0	1	0	7	0	0	0
0	0	0	0	2	9	0	0	0
0	0	0	0	0	8	0	0	0
0	7	1	0	0	0	0	0	0
0	2	0	0	6	0	4	0	0

14 Resultados

Solución del solver: zchaff

Tiempo: 0.0396 ms.

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

Solución del solver: kecosats

Tiempo: 1.7283 ms.

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

Solución del solver: kecosats+learning

Tiempo: 1.0104 ms.

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

Caso 15

Sudoku Inicial

5	0	8	4	0	0	0	0	0
0	0	0	0	1	0	0	2	0
6	0	0	0	0	0	0	0	0
0	9	0	0	0	0	0	1	0
4	0	0	0	2	0	0	7	0
0	0	0	0	0	5	0	0	0
0	0	0	0	0	0	5	0	0
0	0	0	0	0	6	8	0	0
0	1	0	0	7	0	0	0	0

15 Resultados

Solución del solver: zchaff

Tiempo: 0.0397 ms.

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

Solución del solver: kecosats

Tiempo: 12.4899 ms.

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

Solución del solver: kecosats+learning

Tiempo: 7.6704 ms.

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

Caso 16

Sudoku Inicial

0	0	2	0	3	0	0	0	5
8	0	0	0	5	0	9	0	2
5	0	0	0	6	8	4	0	0
0	0	0	0	0	2	0	0	1
0	0	3	0	9	0	0	0	0
0	4	0	0	0	0	7	0	0
0	1	0	0	8	4	0	5	0
0	9	4	0	0	5	0	7	0
0	0	8	0	0	9	0	0	4

16 Resultados

Solución del solver: zchaff

Tiempo: 0.0201 ms.

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

Solución del solver: kecosats

Tiempo: 0.0209 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.0201 ms.

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

Caso 17

Sudoku Inicial

5	0	0	0	1	6	0	0	0
0	0	0	3	0	0	0	0	0
6	2	1	0	0	7	0	0	0
0	1	0	0	0	0	0	9	0
8	0	0	5	7	0	0	0	0
0	9	0	0	0	0	0	0	0
0	0	3	7	8	0	6	5	0
0	0	0	0	4	0	0	8	0
0	5	0	0	3	0	1	0	0

17 Resultados

Solución del solver: zchaff

Tiempo: 0.0231 ms.

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

Solución del solver: kecosats

Tiempo: 0.0196 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.0210 ms.

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

Caso 18

Sudoku Inicial

3	0	0	0	4	0	0	0	0
0	0	5	0	0	0	0	0	0
0	0	0	1	6	0	2	0	0
0	0	0	2	0	7	0	0	0
9	0	0	0	0	0	0	3	4
0	0	0	0	0	0	0	0	0
0	0	0	0	3	0	0	0	1
0	0	7	0	0	0	0	0	0
0	1	2	0	0	0	9	0	0

18 Resultados

Solución del solver: zchaff

Tiempo: 0.0459 ms.

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

Solución del solver: kecosats

Tiempo: 35.0787 ms.

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

Solución del solver: kecosats+learning

Tiempo: 55.5030 ms.

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

Caso 19

Sudoku Inicial

0	0	0	8	0	0	0	0	0
5	0	8	6	1	0	0	0	9
3	0	2	0	4	5	0	0	0
1	8	0	0	0	0	0	0	6
0	0	3	0	0	0	9	0	0
0	7	6	3	0	1	5	0	4
0	0	0	0	0	4	0	0	0
0	0	0	2	3	0	0	4	7
0	0	4	0	5	7	0	9	3

19 Resultados

Solución del solver: zchaff

Tiempo: 0.0197 ms.

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

Solución del solver: kecosats

Tiempo: 0.0192 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.0185 ms.

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

Caso 20

Sudoku Inicial

0	0	0	0	0	0	0	0	0
3	0	0	1	0	0	2	4	0
0	0	0	6	0	7	0	0	0
0	5	6	0	0	0	0	0	3
0	0	7	0	0	0	0	0	0
0	0	0	0	4	0	5	0	0
0	0	0	5	0	0	0	0	6
4	0	0	0	2	0	0	0	0
0	0	8	0	0	0	0	0	0

20 Resultados

Solución del solver: zchaff

Tiempo: 0.0332 ms.

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

Solución del solver: kecosats

Tiempo: 0.7968 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.6789 ms.

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

Caso 21

Sudoku Inicial

0	0	9	0	0	2	0	0	0
0	0	0	3	4	7	0	0	5
5	0	4	0	0	0	0	0	0
1	0	6	0	0	0	0	0	0
3	0	0	0	0	0	0	0	7
0	0	0	0	0	5	3	2	1
0	8	0	0	0	1	2	0	9
0	6	0	0	5	9	0	0	8
0	0	0	6	0	0	0	5	0

21 Resultados

Solución del solver: zchaff

Tiempo: 0.0199 ms.

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

Solución del solver: kecosats

Tiempo: 0.0194 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.0182 ms.

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

Caso 22

Sudoku Inicial

0	9	2	0	0	0	0	0	8
0	0	0	0	6	0	0	4	0
0	0	0	0	0	8	6	7	9
0	0	1	0	0	0	0	6	0
5	0	0	1	0	0	7	0	2
7	2	0	5	0	0	0	0	4
8	0	0	0	0	0	4	5	0
4	1	9	0	5	0	0	0	0
0	0	3	0	0	7	0	0	0

22 Resultados

Solución del solver: zchaff

Tiempo: 0.0206 ms.

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

Solución del solver: kecosats

Tiempo: 0.0217 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.0216 ms.

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

Caso 23

Sudoku Inicial

9	0	0	0	7	1	0	0	0
0	0	0	0	8	0	5	0	0
0	0	6	0	0	0	2	0	0
0	0	0	0	0	0	0	4	0
0	0	0	0	0	0	0	7	0
0	0	5	3	0	0	0	0	0
0	0	0	2	0	0	9	0	6
1	0	0	0	0	0	0	0	0
7	4	0	0	0	0	0	0	0

23 Resultados

Solución del solver: zchaff

Tiempo: 0.0211 ms.

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

Solución del solver: kecosats

Tiempo: 0.3098 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.2539 ms.

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

Caso 24

Sudoku Inicial

0	0	0	0	5	0	0	3	0
0	0	2	9	0	0	0	0	0
6	0	0	0	0	0	0	7	0
0	0	4	0	0	0	8	0	0
0	0	0	0	0	0	0	0	2
1	0	0	0	7	0	0	0	0
0	0	0	2	0	8	0	0	0
0	0	0	4	0	0	0	0	0
3	0	0	0	0	0	0	1	9

24 Resultados

Solución del solver: zchaff

Tiempo: 0.0251 ms.

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

Solución del solver: kecosats

Tiempo: 9.0316 ms.

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

Solución del solver: kecosats+learning

Tiempo: 5.1668 ms.

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

Caso 25

Sudoku Inicial

6	0	2	0	0	0	3	0	0
0	0	0	0	0	0	0	0	0
0	0	0	4	0	5	0	0	0
0	0	9	0	2	0	6	0	0
0	0	0	0	0	0	0	0	0
0	5	0	0	7	9	0	0	0
8	0	0	0	6	0	0	0	0
0	0	0	0	0	0	0	4	0
0	0	1	0	0	0	0	5	9

25 Resultados

Solución del solver: zchaff

Tiempo: 0.0260 ms.

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

Solución del solver: kecosats

Tiempo: 33.5714 ms.

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

Solución del solver: kecosats+learning

Tiempo: 21.5170 ms.

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

Caso 26

Sudoku Inicial

0	0	0	0	0	0	6	4	0
0	8	0	2	0	0	0	0	0
0	9	0	0	1	0	0	0	0
0	0	0	9	0	0	0	0	0
6	0	0	3	0	0	0	0	0
4	0	7	0	0	0	0	5	0
0	0	0	0	0	0	0	3	2
5	0	0	0	0	7	0	0	0
0	0	0	0	0	0	9	0	0

26 Resultados

Solución del solver: zchaff

Tiempo: 0.0244 ms.

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

Solución del solver: kecosats

Tiempo: 37.4778 ms.

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

Solución del solver: kecosats+learning

Tiempo: 24.8939 ms.

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

Caso 27

Sudoku Inicial

0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	0	3	0
8	2	0	0	5	0	0	0	0
0	0	0	0	0	9	0	0	0
0	0	0	0	0	3	0	0	0
1	7	0	0	0	0	2	0	0
7	0	0	2	8	0	0	0	0
0	0	4	0	0	0	0	9	3
0	0	0	0	0	0	0	6	0

27 Resultados

Solución del solver: zchaff

Tiempo: 0.0197 ms.

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

Solución del solver: kecosats

Tiempo: -1 ms.

0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0

Solución del solver: kecosats+learning

Tiempo: -1 ms.

0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0

Caso 28

Sudoku Inicial

6	0	0	3	5	0	0	0	0
4	0	0	0	0	0	0	9	0
0	0	0	0	8	0	0	0	0
0	0	0	0	0	0	8	0	5
0	0	0	0	0	0	7	0	0
2	4	0	0	0	9	0	0	0
0	0	1	0	0	2	0	7	0
0	0	0	0	0	0	0	0	0
0	3	5	0	0	0	0	0	0

28 Resultados

Solución del solver: zchaff

Tiempo: 0.0346 ms.

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

Solución del solver: kecosats

Tiempo: 6.4755 ms.

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

Solución del solver: kecosats+learning

Tiempo: 2.5452 ms.

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

Caso 29

Sudoku Inicial

0	1	0	3	8	0	0	0	2
0	0	0	0	0	0	0	0	0
0	0	4	0	0	9	0	0	3
0	0	0	0	0	0	0	0	0
0	3	0	0	2	0	4	5	9
8	7	0	0	3	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	8	9	0	0
0	5	8	1	0	4	3	7	0

29 Resultados

Solución del solver: zchaff

Tiempo: 0.0202 ms.

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

Solución del solver: kecosats

Tiempo: 0.0355 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.0352 ms.

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

Caso 30

Sudoku Inicial

0	0	0	9	0	0	0	4	0
0	1	5	0	6	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	1	5	0	0	2
8	0	3	0	0	2	0	7	0
0	0	0	0	0	0	0	0	0
4	0	0	0	0	3	0	0	0
0	0	0	0	0	0	0	0	5
9	0	0	8	0	0	0	0	0

30 Resultados

Solución del solver: zchaff

Tiempo: 0.0308 ms.

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

Solución del solver: kecosats

Tiempo: 0.0771 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.0773 ms.

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

Caso 31

Sudoku Inicial

0	5	0	6	0	0	0	3	0
3	0	8	0	0	0	0	0	0
0	0	0	0	0	8	2	0	1
0	0	3	0	4	0	0	8	5
0	9	7	0	0	5	0	4	0
5	0	4	0	1	3	7	6	0
0	0	0	0	0	0	8	1	0
0	0	2	7	0	0	0	0	6
6	1	0	0	8	0	0	0	0

31 Resultados

Solución del solver: zchaff

Tiempo: 0.0220 ms.

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

Solución del solver: kecosats

Tiempo: 0.0221 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.0216 ms.

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

Caso 32

Sudoku Inicial

0	8	0	0	0	6	0	0	0
0	0	9	1	0	0	0	0	4
0	0	5	0	0	8	6	0	0
0	0	0	0	3	0	9	0	0
0	0	0	0	0	0	5	0	0
0	0	0	8	0	7	0	3	0
6	1	0	0	0	0	0	0	0
0	0	7	0	9	0	4	0	0
3	0	0	6	0	0	0	7	0

32 Resultados

Solución del solver: zchaff

Tiempo: 0.0208 ms.

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

Solución del solver: kecosats

Tiempo: 0.0955 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.0959 ms.

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

Caso 33

Sudoku Inicial

0	6	0	0	0	0	8	0	0
2	0	0	3	0	0	0	0	4
0	0	0	0	0	0	0	0	0
0	0	0	0	8	0	1	0	0
0	0	9	0	0	0	0	0	0
3	0	0	0	0	0	0	7	0
0	0	0	7	0	0	0	0	0
0	0	0	4	0	0	0	3	2
0	1	8	0	9	0	0	0	0

33 Resultados

Solución del solver: zchaff

Tiempo: 0.0520 ms.

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

Solución del solver: kecosats

Tiempo: 90.5526 ms.

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

Solución del solver: kecosats+learning

Tiempo: 62.2489 ms.

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

Caso 34

Sudoku Inicial

0	0	0	8	0	0	0	0	5
0	1	0	0	4	0	0	0	0
0	2	0	0	0	0	0	0	0
0	0	0	0	0	2	0	0	0
8	0	0	3	0	0	0	0	0
9	0	0	0	0	0	1	0	0
0	6	0	0	0	1	4	0	0
0	0	0	0	0	0	0	0	3
0	0	0	0	7	0	0	9	8

34 Resultados

Solución del solver: zchaff

Tiempo: 0.0337 ms.

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

Solución del solver: kecosats

Tiempo: 8.2251 ms.

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

Solución del solver: kecosats+learning

Tiempo: 11.5459 ms.

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

Caso 35

Sudoku Inicial

0	0	0	0	0	0	0	2	0
0	9	0	0	0	0	0	1	0
0	0	0	0	3	0	0	0	0
0	1	0	0	0	9	0	0	0
0	0	0	0	7	0	8	0	0
0	4	0	0	5	0	0	0	3
0	5	7	0	0	0	0	0	0
0	0	3	0	8	0	0	0	0
0	0	0	0	0	1	0	9	0

35 Resultados

Solución del solver: zchaff

Tiempo: 0.0296 ms.

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

Solución del solver: kecosats

Tiempo: -1 ms.

0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0

Solución del solver: kecosats+learning

Tiempo: -1 ms.

0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0

Caso 36

Sudoku Inicial

0	0	0	0	0	0	0	0	0
0	0	7	0	0	4	8	0	0
5	0	0	0	0	0	0	1	0
0	0	0	0	0	8	7	0	6
9	0	0	5	0	0	0	0	0
0	3	0	0	0	0	4	0	0
0	0	0	0	0	0	0	0	0
0	7	4	0	0	0	0	0	0
0	0	0	2	0	0	0	9	5

36 Resultados

Solución del solver: zchaff

Tiempo: 0.0248 ms.

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

Solución del solver: kecosats

Tiempo: 61.4514 ms.

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

Solución del solver: kecosats+learning

Tiempo: 36.0829 ms.

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

Caso 37

Sudoku Inicial

4	0	0	1	0	0	6	0	0
0	6	0	8	2	0	0	0	0
0	0	0	0	4	6	0	0	3
0	0	0	0	5	0	9	0	4
6	0	0	0	0	8	0	7	0
0	0	8	0	0	0	0	1	6
3	4	0	0	0	0	1	0	0
1	0	5	0	0	7	0	0	0
0	0	0	3	0	0	0	9	0

37 Resultados

Solución del solver: zchaff

Tiempo: 0.0198 ms.

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

Solución del solver: kecosats

Tiempo: 0.0322 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.0320 ms.

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

Caso 38

Sudoku Inicial

0	0	0	8	0	0	0	1	7
0	5	0	0	0	0	0	2	0
0	6	3	0	0	0	0	0	0
0	0	0	2	1	0	0	0	0
0	0	0	0	0	0	9	0	0
0	4	0	0	0	0	6	0	0
0	0	0	0	0	4	5	0	0
0	0	0	0	0	6	0	0	0
0	0	1	0	0	0	0	3	0

38 Resultados

Solución del solver: zchaff

Tiempo: 0.0213 ms.

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

Solución del solver: kecosats

Tiempo: 0.4045 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.2889 ms.

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

Caso 39

Sudoku Inicial

0	0	0	0	0	0	0	0	0
1	4	6	0	0	0	0	0	7
0	0	0	2	5	0	8	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	3	0	6	1
0	5	0	8	0	0	0	0	0
0	0	3	0	0	6	0	0	0
0	8	0	0	0	4	2	0	0
0	0	0	0	0	0	0	0	0

39 Resultados

Solución del solver: zchaff

Tiempo: 0.0241 ms.

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

Solución del solver: kecosats

Tiempo: 2.5431 ms.

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

Solución del solver: kecosats+learning

Tiempo: 1.1292 ms.

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

Caso 40

Sudoku Inicial

1	0	9	0	8	0	0	0	0
0	0	0	0	0	0	0	5	0
0	0	0	0	0	0	0	2	1
0	0	0	0	0	0	0	0	0
0	0	0	4	9	0	7	0	0
0	2	3	0	0	0	0	0	0
7	0	0	0	0	0	8	0	0
0	0	0	5	0	0	0	0	0
0	0	4	2	0	3	0	0	0

40 Resultados

Solución del solver: zchaff

Tiempo: 0.0383 ms.

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

Solución del solver: kecosats

Tiempo: 21.9064 ms.

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

Solución del solver: kecosats+learning

Tiempo: 20.9223 ms.

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

Caso 41

Sudoku Inicial

0	1	0	5	0	6	0	2	0
0	0	2	7	0	0	0	5	0
0	0	4	0	0	9	1	0	0
1	0	0	0	3	0	0	0	0
0	0	0	0	5	0	0	9	8
0	0	5	0	0	0	6	0	0
8	0	0	0	0	5	7	0	0
7	0	0	9	0	8	0	0	2
0	0	1	3	0	0	9	0	0

41 Resultados

Solución del solver: zchaff

Tiempo: 0.0199 ms.

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

Solución del solver: kecosats

Tiempo: 0.0193 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.0190 ms.

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

Caso 42

Sudoku Inicial

0	0	0	6	0	4	2	0	0
5	0	0	0	0	0	1	0	0
0	0	9	0	0	1	0	8	0
0	0	0	0	0	0	5	0	8
0	5	8	3	0	0	0	0	0
2	6	0	0	0	0	7	1	0
0	1	0	8	2	0	0	0	0
0	7	0	0	0	0	0	5	0
6	0	0	0	5	0	0	0	7

42 Resultados

Solución del solver: zchaff

Tiempo: 0.0220 ms.

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

Solución del solver: kecosats

Tiempo: 0.0194 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.0196 ms.

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

Caso 43

Sudoku Inicial

9	0	0	0	0	0	0	0	7
0	0	4	2	0	0	0	0	0
0	0	0	8	0	0	0	0	0
0	0	0	0	0	0	0	5	0
0	0	5	0	4	0	0	0	9
0	2	0	0	0	1	0	0	0
0	0	0	0	9	0	6	0	1
0	8	0	0	0	0	2	0	0
0	0	0	0	7	0	0	0	0

43 Resultados

Solución del solver: zchaff

Tiempo: 0.0631 ms.

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

Solución del solver: kecosats

Tiempo: 35.9737 ms.

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

Solución del solver: kecosats+learning

Tiempo: 16.9551 ms.

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

Caso 44

Sudoku Inicial

0	0	9	0	0	6	0	0	0
0	0	0	0	0	5	0	0	0
0	4	0	0	0	0	9	0	0
0	0	0	0	0	0	0	6	5
0	0	0	0	0	0	0	3	0
0	7	0	4	8	0	0	0	0
0	0	5	0	0	0	0	0	0
0	0	0	7	0	0	1	0	0
2	0	3	9	0	0	0	0	0

44 Resultados

Solución del solver: zchaff

Tiempo: 0.0314 ms.

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

Solución del solver: kecosats

Tiempo: 0.4072 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.4532 ms.

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

Caso 45

Sudoku Inicial

7	0	0	5	0	2	0	0	1
0	0	5	0	8	0	7	0	0
0	6	0	0	0	0	0	3	0
4	0	0	0	3	0	0	0	6
2	0	0	1	0	6	0	0	4
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	9	0	0	0	2	0	0
8	0	0	7	1	4	0	0	5

45 Resultados

Solución del solver: zchaff

Tiempo: 0.0219 ms.

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

Solución del solver: kecosats

Tiempo: 0.0227 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.0228 ms.

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

Caso 46

Sudoku Inicial

7	0	0	0	5	9	0	0	0
0	0	2	0	0	0	0	0	0
1	0	0	8	0	2	0	9	7
0	0	0	0	6	0	4	3	0
6	0	0	3	0	0	7	0	0
2	3	0	0	0	0	0	0	0
0	0	0	0	9	8	5	0	0
0	5	7	6	2	0	1	0	0
0	0	0	0	0	0	0	0	2

46 Resultados

Solución del solver: zchaff

Tiempo: 0.0246 ms.

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

Solución del solver: kecosats

Tiempo: 0.0231 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.0241 ms.

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

Caso 47

Sudoku Inicial

0	0	0	3	7	0	0	0	0
0	0	2	0	0	0	0	0	0
6	0	5	0	0	0	9	0	0
9	0	0	0	0	6	0	0	0
0	7	0	0	0	0	0	1	3
0	0	0	0	0	0	0	0	4
3	4	9	1	0	0	0	0	0
0	0	0	0	0	5	2	0	0
0	0	0	0	0	0	0	0	0

47 Resultados

Solución del solver: zchaff

Tiempo: 0.0257 ms.

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

Solución del solver: kecosats

Tiempo: 3.5408 ms.

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

Solución del solver: kecosats+learning

Tiempo: 3.3151 ms.

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

Caso 48

Sudoku Inicial

2	0	0	0	0	3	0	0	0
0	0	3	0	8	0	1	0	0
0	9	0	1	0	0	0	0	8
0	0	0	7	0	4	0	0	0
7	3	0	0	0	0	2	0	0
0	6	0	0	0	0	9	0	7
5	0	0	0	0	2	7	0	0
0	7	0	0	6	0	0	9	0
0	0	0	3	0	0	0	0	4

48 Resultados

Solución del solver: zchaff

Tiempo: 0.0205 ms.

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

Solución del solver: kecosats

Tiempo: 0.0290 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.0286 ms.

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

Caso 49

Sudoku Inicial

3	0	0	6	5	0	0	0	9
0	1	0	0	7	0	0	0	0
9	0	0	0	0	0	6	0	2
1	0	9	0	8	0	0	0	3
0	3	0	0	0	0	9	0	0
0	0	8	3	0	0	0	6	7
0	0	7	8	1	0	0	4	0
0	0	0	5	0	0	8	0	0
0	9	1	0	0	0	0	7	0

49 Resultados

Solución del solver: zchaff

Tiempo: 0.0200 ms.

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

Solución del solver: kecosats

Tiempo: 0.0245 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.0249 ms.

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

Caso 50

Sudoku Inicial

0	0	0	1	9	2	6	0	0
0	0	6	0	8	0	0	0	3
0	1	0	0	6	0	5	0	0
0	0	3	0	7	0	0	5	0
0	0	8	0	0	9	0	1	0
0	0	0	0	2	1	0	0	0
0	6	0	2	4	8	0	0	0
5	0	0	0	0	3	0	2	0
0	3	0	0	0	6	4	0	0

50 Resultados

Solución del solver: zchaff

Tiempo: 0.0202 ms.

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

Solución del solver: kecosats

Tiempo: 0.0203 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.0196 ms.

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

Caso 51

Sudoku Inicial

0	0	0	0	2	0	0	9	0
0	0	0	1	0	0	3	0	5
7	8	0	4	0	0	0	0	0
0	6	0	0	0	5	0	1	3
0	0	0	0	0	0	0	0	7
4	5	0	0	0	7	0	0	9
2	0	0	3	0	0	0	0	0
0	1	8	0	6	0	0	0	0
0	0	0	0	9	0	0	3	2

51 Resultados

Solución del solver: zchaff

Tiempo: 0.0196 ms.

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

Solución del solver: kecosats

Tiempo: 0.0205 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.0197 ms.

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

Caso 52

Sudoku Inicial

0	0	0	6	9	0	0	0	5
8	6	0	4	0	1	0	9	0
0	0	7	0	0	3	1	0	0
0	0	0	0	3	0	0	0	2
0	4	0	0	0	0	0	6	0
1	0	0	9	0	0	0	0	0
0	0	1	0	0	2	6	0	0
0	5	0	0	6	9	0	3	1
2	0	0	1	4	0	0	0	0

52 Resultados

Solución del solver: zchaff

Tiempo: 0.0206 ms.

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

Solución del solver: kecosats

Tiempo: 0.0205 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.0197 ms.

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

Caso 53

Sudoku Inicial

0	0	0	9	0	0	0	5	0
0	0	9	0	1	0	3	0	0
0	0	4	0	7	0	2	0	1
0	0	0	0	2	0	6	3	0
7	0	2	3	0	0	0	0	0
3	0	0	0	0	0	0	4	0
0	0	5	4	0	0	8	0	0
4	0	0	0	8	0	0	0	0
0	1	7	5	0	0	9	0	0

53 Resultados

Solución del solver: zchaff

Tiempo: 0.0215 ms.

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

Solución del solver: kecosats

Tiempo: 0.0226 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.0226 ms.

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

Caso 54

Sudoku Inicial

0	6	0	0	2	1	0	0	3
0	0	7	0	0	0	0	0	0
3	0	5	0	0	0	0	0	1
0	0	0	0	7	0	0	8	0
0	0	0	0	0	0	6	0	0
0	3	9	0	8	0	4	0	0
6	0	3	5	0	0	0	0	9
0	2	0	9	0	0	0	0	8
0	0	0	4	0	0	0	0	0

54 Resultados

Solución del solver: zchaff

Tiempo: 0.0210 ms.

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

Solución del solver: kecosats

Tiempo: 0.0193 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.0193 ms.

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

Caso 55

Sudoku Inicial

3	0	2	0	0	9	0	0	0
0	0	0	0	0	0	9	0	0
0	0	0	1	3	5	7	0	0
5	0	0	0	0	0	0	6	0
1	0	0	5	8	2	4	9	0
4	2	0	0	6	7	0	1	0
0	5	0	0	0	0	0	0	0
0	9	0	3	2	4	0	0	0
0	0	0	6	0	0	0	8	9

55 Resultados

Solución del solver: zchaff

Tiempo: 0.0199 ms.

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

Solución del solver: kecosats

Tiempo: 0.0197 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.0219 ms.

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

Caso 56

Sudoku Inicial

6	0	0	8	2	0	0	0	0
0	9	0	0	1	0	0	0	0
0	0	0	0	0	4	0	0	2
2	0	0	7	0	0	0	6	5
0	6	7	0	0	5	2	0	0
8	0	0	0	3	0	9	0	0
0	0	0	0	8	3	7	0	0
0	0	0	0	7	0	0	0	1
0	3	0	6	0	0	0	0	0

56 Resultados

Solución del solver: zchaff

Tiempo: 0.0205 ms.

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

Solución del solver: kecosats

Tiempo: 0.0275 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.0280 ms.

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

Caso 57

Sudoku Inicial

0	0	0	0	0	3	7	5	0
6	0	2	9	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	9	0	0	0	0	0	0	0
0	5	4	0	0	0	0	8	0
0	0	0	6	0	0	0	0	1
0	0	0	0	5	8	0	0	0
7	0	0	0	0	0	6	0	2
0	0	0	0	0	0	0	0	0

57 Resultados

Solución del solver: zchaff

Tiempo: 0.0480 ms.

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

Solución del solver: kecosats

Tiempo: 29.6308 ms.

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

Solución del solver: kecosats+learning

Tiempo: 23.4861 ms.

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

Caso 58

Sudoku Inicial

8	2	0	5	0	6	0	0	0
0	0	4	9	0	0	0	8	0
7	0	9	0	3	0	0	0	0
5	0	0	1	9	0	0	7	0
0	0	0	0	0	7	0	6	0
4	0	0	0	0	5	0	0	0
0	0	0	0	8	4	6	3	0
0	0	0	2	0	0	0	9	8
3	0	0	0	1	0	0	0	5

58 Resultados

Solución del solver: zchaff

Tiempo: 0.0198 ms.

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

Solución del solver: kecosats

Tiempo: 0.0187 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.0188 ms.

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

Caso 59

Sudoku Inicial

0	7	0	0	0	0	0	4	8
0	0	0	0	0	0	5	7	0
8	0	0	0	4	9	0	0	6
3	0	0	1	9	0	4	0	0
0	0	7	0	6	5	0	0	0
0	0	0	8	0	2	0	0	1
0	0	2	3	0	1	6	0	0
0	5	1	0	0	0	0	8	0
4	3	0	0	0	0	0	0	0

59 Resultados

Solución del solver: zchaff

Tiempo: 0.0205 ms.

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

Solución del solver: kecosats

Tiempo: 0.0194 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.0185 ms.

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

Caso 60

Sudoku Inicial

0	0	0	9	0	7	0	0	5
0	0	0	4	5	1	7	2	0
0	0	5	0	0	0	0	0	4
0	0	0	0	0	2	0	4	7
0	2	4	6	0	0	0	0	0
6	0	0	5	0	9	2	0	0
0	9	0	0	0	0	0	7	0
0	6	0	2	0	3	0	0	0
2	0	1	7	9	5	0	0	0

60 Resultados

Solución del solver: zchaff

Tiempo: 0.0200 ms.

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

Solución del solver: kecosats

Tiempo: 0.0243 ms.

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

Solución del solver: kecosats+learning

Tiempo: 0.0244 ms.

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