

# Example CSP

Features

Satisficing Search

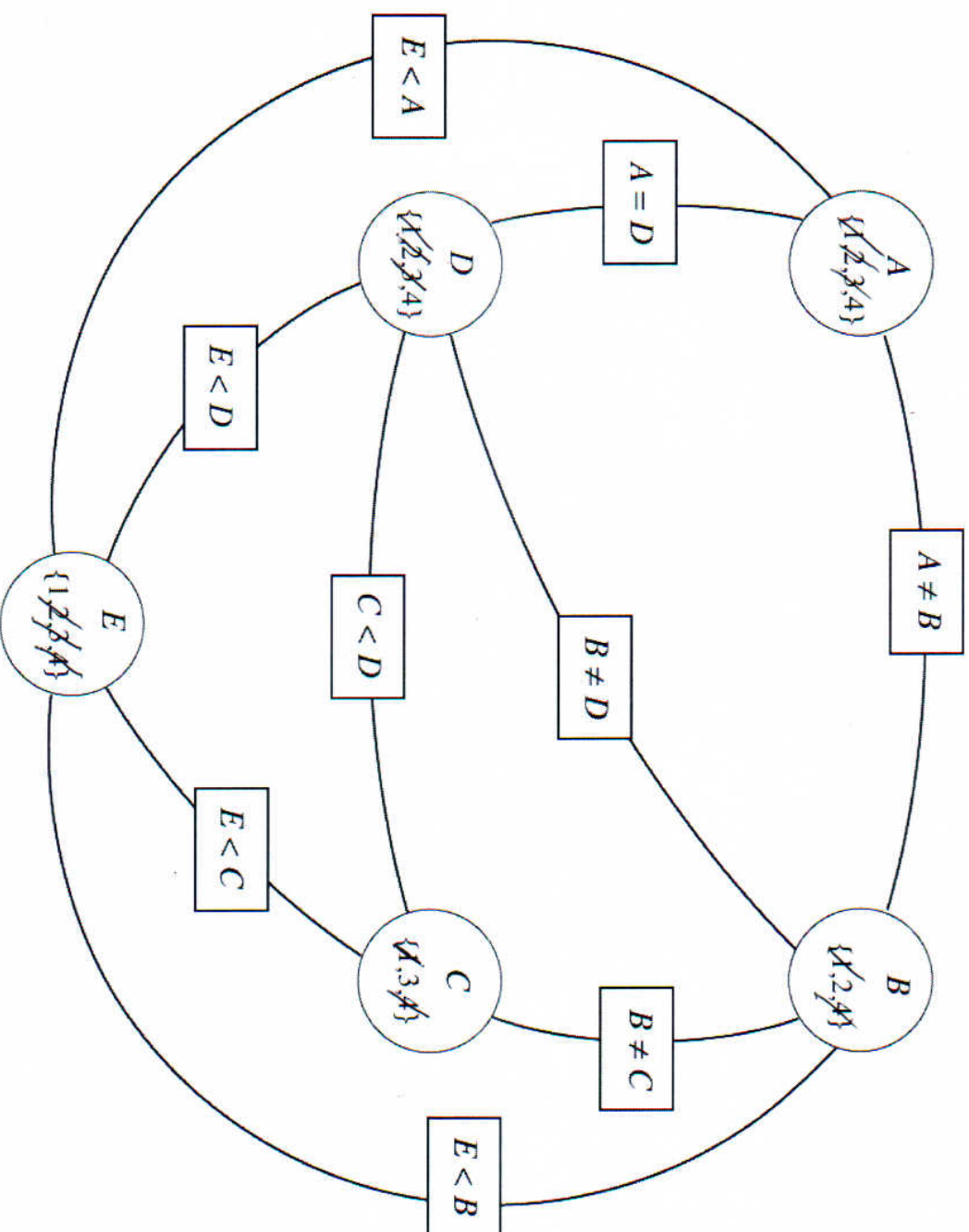
CSPs

GAC Algorithm

▷ Example CSP

Domain Splitting

Optimization Search



81 features  
all with  
domain  
{1,2,...,8,9}  
all hard  
constraints

### SUDOKU

26				4				
9	3			7				
7		1	3			2		9
		3		9				
8	7			2		6		5
				6		8		
4	9			2	7			1
			1				3	8
			5					

DIFFICULTY RATING: ★★★★★★

Complete the grid so that every row, column and 3x3 box contains every digit from 1 to 9 inclusive. For an extra online Sudoku, go to [www.MySA.com/entertainment/comics\\_games](http://www.MySA.com/entertainment/comics_games)

### SUDOKU

2	56			4				
9	3			7				
7		1	3			2		9
		3		9				
8	7			2		6		5
				6		8		
4	9			2	7			1
			1				3	8
			5					

DIFFICULTY RATING: ★★★★★★

Complete the grid so that every row, column and 3x3 box contains every digit from 1 to 9 inclusive. For an extra online Sudoku, go to [www.MySA.com/entertainment/comics\\_games](http://www.MySA.com/entertainment/comics_games)

### SUDOKU

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

DIFFICULTY RATING: ★★★★★★

Complete the grid so that every row, column and 3x3 box contains every digit from 1 to 9 inclusive. For an extra online Sudoku, go to [www.MySA.com/entertainment/comics\\_games](http://www.MySA.com/entertainment/comics_games)

### SUDOKU

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

DIFFICULTY RATING: ★★★★★★

Complete the grid so that every row, column and 3x3 box contains every digit from 1 to 9 inclusive. For an extra online Sudoku, go to [www.MySA.com/entertainment/comics\\_games](http://www.MySA.com/entertainment/comics_games)

### SUDOKU

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

DIFFICULTY RATING: ★★★★★★

Complete the grid so that every row, column and 3x3 box contains every digit from 1 to 9 inclusive. For an extra online Sudoku, go to [www.MySA.com/entertainment/comics\\_games](http://www.MySA.com/entertainment/comics_games)

### SUDOKU

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

DIFFICULTY RATING: ★★★★★★

Complete the grid so that every row, column and 3x3 box contains every digit from 1 to 9 inclusive. For an extra online Sudoku, go to [www.MySA.com/entertainment/comics\\_games](http://www.MySA.com/entertainment/comics_games)

### SUDOKU

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

DIFFICULTY RATING: ★★★★★★

Complete the grid so that every row, column and 3x3 box contains every digit from 1 to 9 inclusive. For an extra online Sudoku, go to [www.MySA.com/entertainment/comics\\_games](http://www.MySA.com/entertainment/comics_games)

### SUDOKU

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

DIFFICULTY RATING: ★★★★★★  
Complete the grid so that every row, column and 3x3 box contains every digit from 1 to 9 inclusive. For an extra online Sudoku, go to [www.MySA.com/entertainment/comics\\_games](http://www.MySA.com/entertainment/comics_games)

### SUDOKU

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

DIFFICULTY RATING: ★★★★★★  
Complete the grid so that every row, column and 3x3 box contains every digit from 1 to 9 inclusive. For an extra online Sudoku, go to [www.MySA.com/entertainment/comics\\_games](http://www.MySA.com/entertainment/comics_games)

### SUDOKU

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

DIFFICULTY RATING: ★★★★★★  
Complete the grid so that every row, column and 3x3 box contains every digit from 1 to 9 inclusive. For an extra online Sudoku, go to [www.MySA.com/entertainment/comics\\_games](http://www.MySA.com/entertainment/comics_games)

### SUDOKU

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

DIFFICULTY RATING: ★★★★★★  
Complete the grid so that every row, column and 3x3 box contains every digit from 1 to 9 inclusive. For an extra online Sudoku, go to [www.MySA.com/entertainment/comics\\_games](http://www.MySA.com/entertainment/comics_games)

### SUDOKU

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

DIFFICULTY RATING: ★★★★★★  
Complete the grid so that every row, column and 3x3 box contains every digit from 1 to 9 inclusive. For an extra online Sudoku, go to [www.MySA.com/entertainment/comics\\_games](http://www.MySA.com/entertainment/comics_games)

### SUDOKU

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

DIFFICULTY RATING: ★★★★★★  
Complete the grid so that every row, column and 3x3 box contains every digit from 1 to 9 inclusive. For an extra online Sudoku, go to [www.MySA.com/entertainment/comics\\_games](http://www.MySA.com/entertainment/comics_games)

