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## Source Code

Paragraphs have a single line break between them.

You can include source code.

- A [Go](#) code block:

```
import "fmt"

// the main function
func main() {
    fmt.Println("Hello, word! →⇒ ≤ ≥ ≠")
}
```

## Math Equations

$$x_{1,2} = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$\left[ \begin{array}{cc|c} 1 & 2 & 3 \\ 4 & 5 & 6 \\ \cancel{7} & 8 & 9 \end{array} \right]$$

$$y = \begin{cases} x + 3 & \text{if } x \geq 20 \\ \frac{\sin^2\left(\frac{43\sqrt{e^x + \cos(x)}}{\ln(x-3)}\right)}{\ln(x-3)} & \text{if } x \neq 90 \end{cases}$$

## Lists

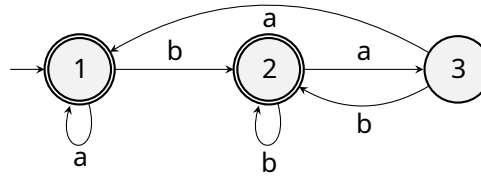
1. First
  - a. nested first
    - i. nested second
      - A. forth
      - B. **diagrams**
2. Second
3. First
  - a. nested first
    - i. nested second
      - A. forth

## 4. Second

- first
  - second
    - third
      - \* forth

## Diagrams

- A TikZ diagram:

Figure 1: Finite Automaton that accepts only those words that **do not** end in *ba*

- A Karnaugh map:

		ab			
		00	01	11	10
cd	00	0	1	1	0
	01	1	0	0	1
	11	0	0	0	1
	10	0	1	1	1

Figure 2: A Karnaugh map