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Source Code

- lst. 1:

Listing 1 A Go code block

```
import "fmt"

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

- lst. 2

Listing 2 A Rust code block

```
fn main() {
    println!("Hello, word! → ⇒ ≤ ≥ ≠")
}
```

Math Equations

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

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

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

Lists

1. First
 1. nested first
 1. nested second
 1. forth
2. Second
 - first
 - second
 - * third
 - forth

Diagrams

TikZ diagram:

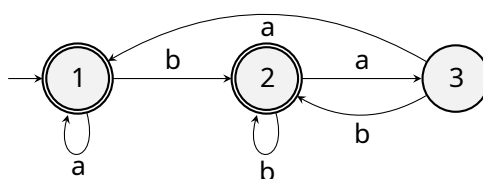


Figure 1: Finite Automaton that accepts only those words that **do not** end in *ba*