defer

Go[defer]

- :[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible].
- [illegible], [illegible] (=put off)
- [illegible] [illegible]
  - [illegible] [defer] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible](push).
  - [illegible] [illegible]: [illegible] [illegible] [illegible] [illegible] [illegible]([illegible], LIFO)[illegible] [illegible].
- [illegible] [illegible]
  - [illegible] [illegible] [illegible] [illegible]:

```
file, err := os.Open("example.txt")
if err != nil {
    // [illegible] [illegible]
}
defer file.Close() // [illegible] [illegible] [illegible]
// [illegible] [illegible] [illegible]
```

  - [illegible] [illegible] [illegible]:

```
conn, err := net.Dial("tcp", "example.com:80")
if err != nil {
    // [illegible] [illegible]
}
defer conn.Close() // [illegible] [illegible] [illegible]
// [illegible] [illegible] [illegible]
```

  - [illegible] [illegible] [illegible] [illegible]: [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible].
- :[illegible]
  - [[defer] [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible]:

```
defer fmt.Println("First")
defer fmt.Println("Second")
defer fmt.Println("Third")
// [illegible]: Third, Second, First ([illegible] [illegible] [illegible])
```

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  - Go: `defer`: □□ □□ □ □□□ □□□ □□□□ □□.
  - Java: `try-with-resources`: `try` □□□ □□□□□□ □□□ □□□ □ □□□ □□□□ □□.
- □□ □□□
  - Go: `defer`: □□□ □□□□ □□□ □□□ □□ □□.
  - Java: `try-with-resources`: `AutoCloseable` □□□□□□ □□□ □□□ □□ □□ □□.
- □□ □□
  - Go: `defer` □ □□ □□□ □□□□□□ □□ □□□ □□.
  - Java: `try-with-resources` □ □□ □□□ □□□□□□ □□□ □□□□ □□.

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- **Go □□**

```
package main

import (
    "fmt"
    "os"
)

func main() {
    file, err := os.Open("example.txt")
    if err != nil {
        fmt.Println("Error:", err)
        return
    }
    defer file.Close() // □□ □□□ □□

    // □□ □□ □□
}
```

- **Java □□**

```
import java.io.FileInputStream;
import java.io.IOException;

public class Main {
    public static void main(String[] args) {
        try (FileInputStream file = new FileInputStream("example.txt")) {
```

```
            // □□ □□ □□
        } catch (IOException e) {
            System.out.println("Error: " + e.getMessage());
        }
        // try □□□ □□□□ file□ □□□□ □□
    }
}
```

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