```go
package main

import (
  "fmt"
  "strings"
  "time"
)

var (
  OUTPUT_FILE_PATH = "result.dat"
  CONF_DAT_PATH    = "conf.dat"
  SEPARADOR        = strings.Repeat("#", 40)
  //CONF_DAT_PATH_ALT = "../conf.dat"
)

func init() {
  initLoadConfigurations()
}

func main() {
  fmt.Println("Starting Program")
  start := time.Now()
  switch CONFIGURATION.ICOD {
  case 1:
    Pw(OUTPUT_FILE_PATH, "Solving via LU decomposition.")
    solutionViaLUDecomposition(CONFIGURATION)
  case 2:
    Pw(OUTPUT_FILE_PATH, "Solving via Cholesky decomposition.")
    SolutionViaCholeskyDecomposition(CONFIGURATION)
  case 3:
    Pw(OUTPUT_FILE_PATH, "Procedimento iterativo de Jacobi")
    SolucaoPeloProcedimentoIterativoDeJacobi(CONFIGURATION)
  case 4:
    Pw(OUTPUT_FILE_PATH, "Procedimento iterativo Gauss-Seidel")
    SolucaoPeloProcedimentoIterativoDeGaussSeidel(CONFIGURATION)
  case 5:
    Pw(OUTPUT_FILE_PATH, "Método da potência")
```

```
    SolucaoViaMetodoDaPotencia(CONFIGURATION)
  case 6:
    Pw(OUTPUT_FILE_PATH, "Método de Jacobi")
    SolucaoViaMetodoDeJacobi(CONFIGURATION)
  }

  elapsed := time.Since(start)
  fmt.Printf("Time elapsed since start: %v\n", elapsed)
}
```