```
Sequential Jacobi pseudocode:
const TOLERANCE = ...
main() {
  double A[n,n], B[n,n]
  double maxdiff = 0.0, diff
  bool done := false
  initialize A, B
  while not done {
    for i := 1 to n-2 {
      for j := 1 to n-2 {
        A[i][j] := (B[i][j-1] + B[i][j+1] + B[i-1][j] + B[i+1][j]) / 4
        diff := abs(A[i][j] - B[i][j])
       if maxdiff < diff
         maxdiff := diff
     }
    }
    if maxdiff < TOLERANCE
      done := true
    else {
     swap(A,B)
     maxdiff := 0
   }
  }
 print out "answer"
}
```