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"
}
```