

```
PAIRWISE(alignment)

Cycles_to_run <- alignment.seq_number

For i <- 1 to cycles_to_run

    Alignment.main_seq <- i

    For j <- i to cycles_to_run

        If j < cycles_to_run

            alignment.current_seq <- j + 1

            alignment.seq01 <- alignment.seqsj

            alignment.seq02 <- alignment.seqsj+1

            alignment <- INITIALIZE_PAIRWISE(alignment)

            alignment <- PAIRWISE_ALIGNMENT(alignment)

            alignment <- CALCULATE_DISTANCE(alignment)

            alignment <- GET_ALIGN_ORDER(alignment)

return alignment
```