pseudocode

```
C = output [length = n]
A = 1st sorted array [n/2]
B = 2nd sorted array [n/2]
i = 1
j = 1
for k = 1 to n
    if A[i] < B[j]
        C[k] = A[i]
        i++
    else [B[j] < A[i]]
        C[k] = B[j]
        j++
end.
```