Program BbleSort:

This flow chart only contains the algorithm for the sort. The input and output loops are much simpler. Note that the length of the inner loop makes it difficult to show the nesting of the loops compared to the Perimetr example.

start

input Array

Breg = address of Array

InnrStop = 36

Outr Loop

Xreg = 0

Innr Loop

Areg = Array[Xreg]

Xreg += 2

Array[Xreg] > Array[Xreg+1]

Swap

Swap

AsubXreg = Array[Xreg] (in Areg)

Areg = Array[Xreg+1]

Array[Xreg] = Areg

Areg = AsubXreg

Array[Xreg+1] = Areg

Xreg <= InnrStop

No Swap

Y

Innr Loop

InnrStop -= 2

(using Areg)

InnrStop >= 0

Y

Outr Loop

Output Array

N

swap

stop