

**MERGESORT of 10 Element Array
Using Algorithms 8.8 and 8.9**

left = 0 center = 4 center + 1 = 5 right = 9
left = 0 center = 2 center + 1 = 3 right = 4
left = 0 center = 1 center + 1 = 2 right = 2
left = 0 center = 0 center + 1 = 1 right = 1

leftPos = 0 leftEnd = 0 rightPos = 1 rightEnd = 1
leftPos = 0 leftEnd = 1 rightPos = 2 rightEnd = 2

left = 3 center = 3 center + 1 = 4 right = 4

leftPos = 3 leftEnd = 3 rightPos = 4 rightEnd = 4
leftPos = 0 leftEnd = 2 rightPos = 3 rightEnd = 4

left = 5 center = 7 center + 1 = 8 right = 9
left = 5 center = 6 center + 1 = 7 right = 7
left = 5 center = 5 center + 1 = 6 right = 6

leftPos = 5 leftEnd = 5 rightPos = 6 rightEnd = 6
leftPos = 5 leftEnd = 6 rightPos = 7 rightEnd = 7

left = 8 center = 8 center + 1 = 9 right = 9

leftPos = 8 leftEnd = 8 rightPos = 9 rightEnd = 9
leftPos = 5 leftEnd = 7 rightPos = 8 rightEnd = 9
leftPos = 0 leftEnd = 4 rightPos = 5 rightEnd = 9