CS302 HW2

Problem 1

Apply mergesort to A = { 6, 4, 3, 9, 4, 7, 5 }. State the order of the data after the 2nd split operation as well as the 2nd merge operation. Use comma separation of sublist data elements and semicolon separation of sublists. For example, after the 1st split A = { 6, 4, 3, 9 : 4, 7, 5 }.

{ 6, 4 : 3, 9 : 4, 7 : 5 }

{ 6, 4, 3, 9, 4, 7, 5 }

{ 4, 6 : 3, 9 : 4, 7 : 5 }

{ 3, 4, 6, 9 : 4, 5, 7 }