```
def quicksort(F, L, R):
    if L < R:
        i, j = L, R - 1
        CountLess, SumLess, CountLarger, SumLarger = 0, 0, 0, 0
        K = F[R]
        Pivot = F[R]
        N = True

        while i <= j:
            if F[i] <= Pivot:
                CountLess += 1
                SumLess += F[i]
                if N and K >= (Pivot - F[i]):
                    K = F[i]
                else:
                    N = False
                i += 1
            else:
                CountLarger += 1
                F[i], F[j] = F[j], F[i]  # Swap elements
                SumLarger += F[i]
                j -= 1

        if CountLess != 0:
            Pivot1 = SumLess // CountLess
            if not N:  # If subarray is not sorted
                quicksort(F, L, i - 1)

        if CountLarger != 0:
            Pivot2 = SumLarger // CountLarger
            quicksort(F, i, R)

# Example usage
data = [10, 7, 8, 9, 1, 5]
quicksort(data, 0, len(data) - 1)
print(data)
```