Algorithm toySort(A, start, stop, colorSet)

If ( colorSet.size() == 1) return

LeftColorSet <- firstHalfoFColorSet

RightColorSet <- SecondHalfoFColorSet

i <- start

j <- stop

while (i <= j) do

while (i < stop & A[i].color is in RightColorSet ) i++

while (j > start & A[j].color is in LeftColorSet) j--

If (i < j)

swap(A, i, j)

i++

j--

toySort(A, start, i - 1, LeftColorSet)

toySort(A, i, end, RightColorSet)