

MergeSort Pseudocode: (The merge function is shown in the class)

https://www.youtube.com/watch?v=TzeBrDU-JaY&t=820s&ab_channel=mycodeschool

```
MergeSort(A)
{
  n ← length(A)
  if (n < 2) return n
  mid ← n/2
  left ← array of size(mid)
  right ← array of size(n-mid)
  for i ← 0 to mid-1
    left[i] ← A[i]
  for i ← mid to n-1
    right[i-mid] ← A[i]
  MergeSort(left)
  MergeSort(right)
  Merge(left, right, A)
}
```