

```

Mergesort(m)
  var list left, right, result
  if length(m) ≤ 1
    return m
  else
    var middle = length(m) / 2
    for each x in m up to middle
      add x to left
    for each x in m after middle
      add x to right
    left = Mergesort(left)
    right = Mergesort(right)
    result = Merge(left, right)
    return result

```

Urn Fig. 6-9.