算法 1 用归并排序求逆序数

输入: 待训练参数 θ ,一间房子的属性 $x^{(i)}$,这间房子的实际价格 $y^{(i)}$,训练 轮次 ep

输出: 更新后的参数 θ

- 1: while i < middle and j < right do
- 2: **if** Array[i] < Array[j] **then**
- 3: $B[k++] \leftarrow Array[i++]$
- 4: **else**
- 5: $B[k++] \leftarrow Array[j++]$
- 6: $result \leftarrow result + (middle i)$
- 7: end if
- 8: end while
- 9: while i < middle do
- 10: $B[k++] \leftarrow Array[i++]$
- 11: end while
- 12: while $j < right\delta$ do
- 13: $B[k++] \leftarrow Array[j++]$
- 14: end while
- 15: **for** $i = 0 \to k 1$ **do**
- 16: $Array[left+i] \leftarrow B[i]$
- 17: end for
- 18: return result