```
MergeSore 1/2 + 1/2
    596,4371
 0 \frac{0+6}{3} = 3, \frac{5964}{3} = \frac{371}{4-6} average O(n\log n)
                                best O(n(ogn)
vorse O(m)
             4+16 = 5
          t 9 6 4 3 7
                 674
                        3 47
       后成 4569 137 137 1
写成 1345679
  public static void mergesore (int II arm, int left, int highe, nt II temp)
      it (left 2 right)
  me mid = (left + kight)/2;
         mergesore (arr, o, mid, temp);
         mergesore carr, mid+1, rifte, temp);
      merge carr, Left, mid, right, temp);
  public static void merge (int 1) arr, int lete, vit right, int 17 temp)
     me i= left
     me = mid +1
                                  While ( ) (= Night)
    mt t=o;临的基通的下本季引
                                    tempItel=arrljl;
      while (i <= mid && j <= right)
                                      j++;++7
         it (arili] < = arrzj])
                              to Furtife int temptete = Left
             temple] = avr It];
                                while I templote Z= ng ht)
                                    arr I templete ] = temp[t];
         e be
            temple1 = qvr1j1;
                                     tot i templete et i
              jet; th;
       * while (i = mid) this #
            temp It] = arr []];
```