

mergesort_function.cpp

```
1  void mergesort(vector<int>& array, size_t left, size_t right)
2  {
3      if (left != right)
4      {
5          size_t mid = (left + right) / 2;
6          mergesort(array, left, mid);
7          mergesort(array, mid + 1, right);
8          merge(array, left, mid, right);
9      }
10 }
11 }
```