HashCode Spatial Complexity					
Туре	Variable	Size of 1 atomic value	Number of atomic values		
Input	K	16	1		
Auxiliar	keyString	16	1		
Auxiliar	i	32	1		
Auxiliar	kLength	32	1		
Output	hash	32	1		

HashCode Time Complexity

HeapSort Spatial Complexity				
Туре	Variable	Size of 1 atomic value	Number of atomic values	
Auxiliar	i	32	1	
Auxiliar	Pair	32	n	

```
HeapSort Temporal Complexity
public Pair<K,V>[] heapSort() {
    buildHeap(this.array);
    for (int \underline{i} = this.heapSize; \underline{i} >= 0; \underline{i}--){ n
         Pair<K,V> pair = this.array[0];
                                                      n-1
         this.array[0] = this.array[i];
                                                      n-1
         this.array[i] = pair;
                                                      n-1
         this.heapSize--;
                                                     n-1
         maxHeapIfy(this.array, index: 0);
                                                     n-1
    return this.array;
```