20161795 고가해

The Sort reports.

RECT DATA SCREEN

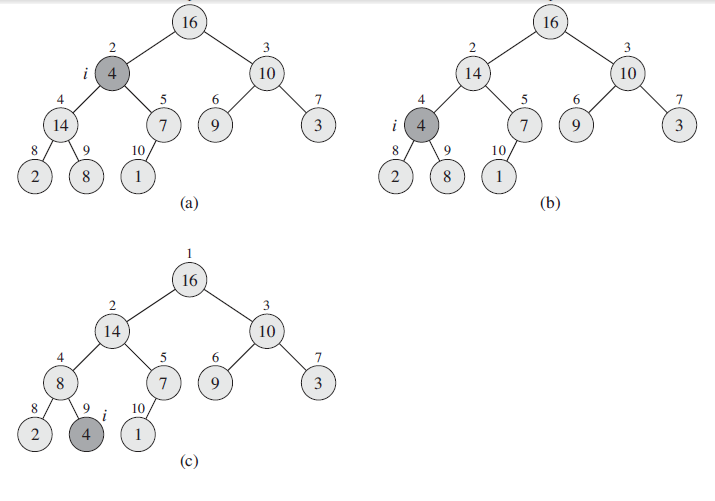
for (int i = 0; i < MAX\_SIZE; i++) {

printf("kuangdu:%f, gaodu:%f didian:%f\r\n", (shuzu + i)->width, (shuzu + i)->gaodu,(shuzu+ i)->kuandu\* (shuzu+ i)->gaodu);

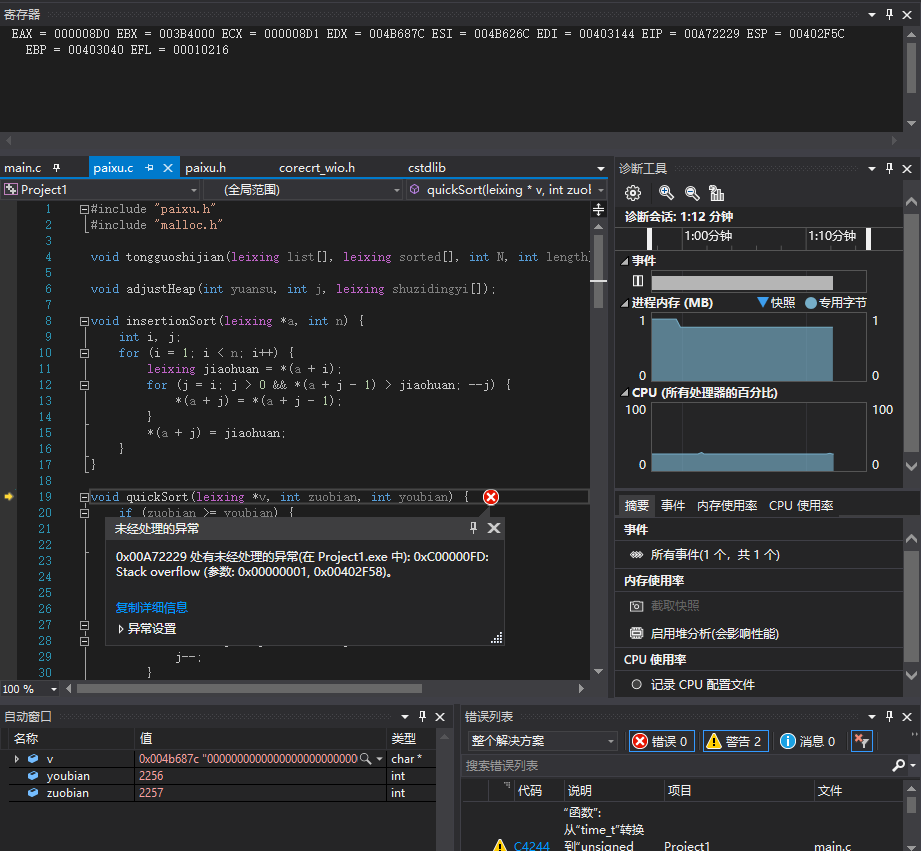
}

Realize method

4 method and the idea is come from the sort method

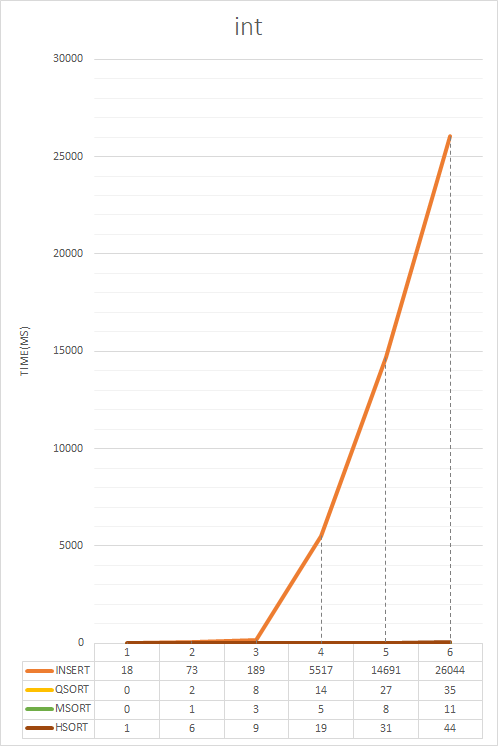


I used malloc to divide function and made the sort ,but if the data is too large the program will be error in this test and open register and assembly program.

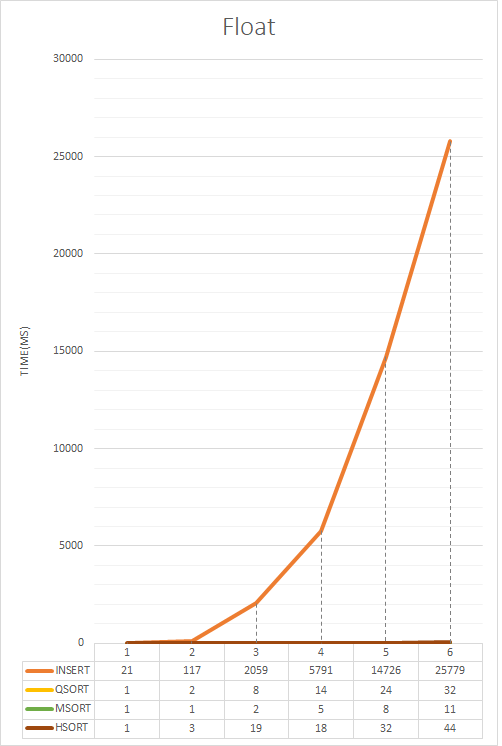


**void** heapSort(leixing \*shuziji, **int** shuzi) {  
the most important algorithm is heapsort   
 **for** (**int** i = shuzi / 2 - 1; i >= 0; i--) {  
firstly i creatmax heap  
 adjustHeap(i, shuzi, shuziji);  
 }  
secondly i adjusted the heap structure exchange the heap element **and** ending element  
 **for** (**int** j = shuzi - 1; j > 0; j--) {  
  
 leixing jiaohuan = shuziji[0];  
 shuziji[0] = shuziji[j];  
 shuziji[j] = jiaohuan;  
  
 adjustHeap(0, j, shuziji);adjust heap  
 }  
}

The result

int testing function

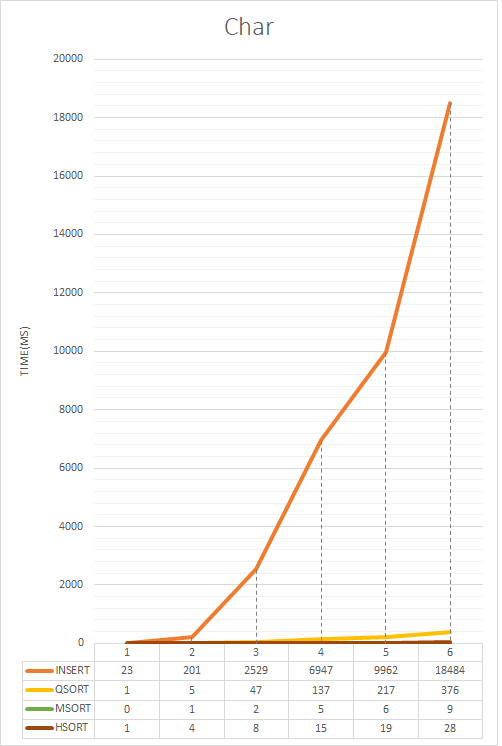
(void zhengshu(leixing \* shuju);

And you should change the function in the head file

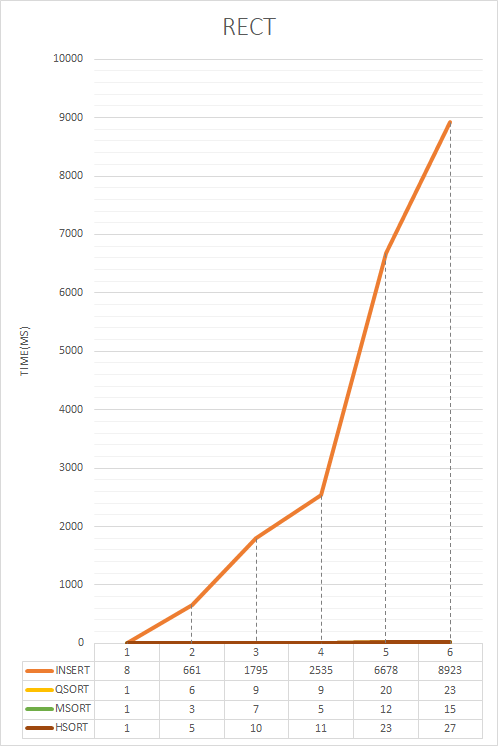
Float

void fudian(leixing \* shuju)

And you should change the function in the head file

Character’s testing data is over the standard the asm file has the error so I changed testing data

void zifu(leixing \* shuju)

And you should change the function in the head file

RECT’s testing code is also being too large so I changed the testing data and also used insert/quick/merge/heap sort

Reference data

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http://blog.chinaunix.net/uid-25933104-id-3538914.html

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