public float[] arrVer2 (float[] arr){

for (i = 1; I < arr.length; i++){

arr[i] = (float)(arr[i] \* Math.sin(0.2f + i / 5) \* Math.cos(0.2f + i / 5) \* Math.cos(0.4f + i / 2));

}

Return arr;

}

Public float[] arrCopy

static class t1 extends Thread {

@Override

public void run() {

arr2 = arrVer2(arr);

}

}

static class t2 extends Thread {

@Override

public void run() {

arr3 = arrVer2(arr);

}

}

Public static void main (String[] args){

static final int size = 10000000;

static final int h = size / 2;

float[] arr = new float[size];

float[] arr1 = new float[size];

float[] arr2 = new float[size];

float[] arr3 = new float[size];

float[] arr4 = new float[size];

for (i = 1; I < size; i++){

arr[i] = 1;

}

long a = System.currentTimeMillis();

arr1 = arrVer2(arr);

System.currentTimeMillis();

System.out.printl(System.currentTimeMillis() –a);

long b = System.currentTimeMillis();

System.arraycopy(arr, 0, arr2, 0, h);

System.arraycopy(arr, h, arr3, h, h);

t1.start();

t2.start();

System.arraycopy(arr2, 0, arr4, 0, h);

System.arraycopy(arr3, h, arr4, h, h);

System.currentTimeMillis();

System.out.printl(System.currentTimeMillis() –a);