**二分搜索**

**package** kol;

**public** **class** kol {

**public** **static** **void** main(String[] args) {

**int**[] arr ={11, 22, 33, 44, 55, 66, 77};

**int** index1 = *Binary*(arr, 12, 0,arr.length-1);

**int** index2 = *Binary*(arr,66, 0, arr.length-1);

System.***out***.println(index1);

System.***out***.println(index2);

}

**public** **static** **int** Binary(**int**[] arr,**int** key, **int** low,**int** high){

**while**(low <= high) {

**int** mid = (low+high) / 2;

**if** (arr[mid] > key) {

high= mid -1;

}

**else** **if** (arr[mid] < key){

low =mid+1;

}

**else**{

**return** mid;

}

}

**return** -1;

}

}

