import java.util.Arrays;  
  
public class expSearch {  
  
public static void main(String[] args){  
  
 int[] arr = {6,12,18,24,32};  
 int length= arr.length;  
 int value = 18;  
 int outcome = *exponentialSearch(arr,length,value);  
  
 if(outcome<0){  
  
 System.out.println( "Element is not present in the array");  
  
 }else {  
  
 System.out.println( "Element is present in the array at index :"+outcome);  
 }  
  
 }  
  
 public static int exponentialSearch(int[] arr ,int length, int value ){  
  
 if(arr[0]==value){  
 return 0;  
 }  
 int i=1;  
 while(i<length && arr[i]<=value){  
  
 i=i\*2;  
 }  
 return Arrays.binarySearch(arr,i/2,Math.min(i,length),value);  
 }  
  
  
}*