Написати рекурсивну функцію бінарного пошуку в масиві.

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| #include <iostream>  #include <time.h>  using namespace std;  int bsearch(int\*a, int start, int end, int search){  int middle = (start+end)/2;  if(end < start)return -1;  if(search == a[middle]) return middle;  if(search < a[middle])return bsearch(a, start, middle-1, search);  else if(search > a[middle])return bsearch(a, middle+1, end, search);  else return start;  }  void main(){  setlocale(LC\_ALL, "Ukrainian");  srand(time(0));  const int n = 100;  int arr[n];  for(int i=0; i<n; i++){  arr[i] = i\*20 + rand()%20;  cout << arr[i] << " ";  }  int search = 108;//arr[rand()%n];  cout << "\r\nЯ шукаю число " << search << endl;  cout << bsearch(arr, 0, n, search);  system("pause>>NUL");  } |

