

Source Text

Line from: 14 to:15

myPane.AddCurve(Binary ,for(inti=0;iinput.Add(rnd.Next(size)); DiamOnd)_ ' Iinput.Sort();int[] inputSearch =input.ToArray(); Lineâ€™-tern mygu rvez =
_ HmyPane.AddCurve(Sequential ,int findVal = rnd.Next(inputSearch.Length); |i5-[2, CQ |Q r_ B | u eâ€™™ bg pe rc|e);u_m2u H H 15 ,, "-1" n n lâ€™œ n a
... _ _ _ _ _ J3- 2 r.â€™-I IH . n ,,F.1':.,1" n H ':| H" u u U: ' "u u i || u III IIIH[I L 1- 1- â€™i- â€™]- â€™i- D [L5 [LB H] 12 "I1 Tm all 55])n, n/2,
n/4, n/8,..Thus, the order of thealgorithm is:n/2' 0(log n)Note that for best-caseand average case theorder is also:Q(log n), 6(Q(log n)Binary Search
algorithm{ Input: Sorted array int[] A;int BinFind(int[] A,int findVal)int inf=0;int sup=A.Length-1;while(inf{mid=(inf+sup)/2if (A[mid]>findval)sup=midelse
inf=mid}if (A[inf]==findVal)return infelsereturn -1})Two code snippets that may help youint minSize = 10000; lam maxSize=1000000; // plgtti n gRandom rnd = new
Random();Stopwatch timer = Stopwatch.StartNew(); G fa p h Pa ['1 e myPa ['1 e =PointPairList timerTicks = new PointPairList(); Zed G ra p h C0 n-trO|1 ra p h Pa n e;
PointPairList timerTicks2= new PointPairList(); _myPa ne.Cu rveL|st.Clea r());for (int size = minSize; size { .input = new List(size); Ll neltem mycurve ="
input.Add(rnd.Next(size)); DiamOnd)_ ' http://www.codeproiect.com/KB[graphics/zedgraph.aspxme ... _ I --5 _____.____ _ |_____|____ _ .i..|.|.lâ€™...|...|...|.|.lâ€™...lâ€™...i..|.|. _
u_m2u H H 15 ,, "-1" n n lâ€™œ n a ... _ _ _ _ _ B- 2 r.â€™-I IH . n ,,F.1':.,1" n H ':| H" u u U: ' "u u i || u III IIIH[I L 1- 1- â€™i- â€™]- â€™i- D [L5 [LB H] 12 "I1 Tm
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