|  |
| --- |
| import java.util.\*; |
|  | public class BinarySearch |
|  | { |
|  | public static boolean binarySearch(int[] nums, int target){ |
|  | int low = 0; |
|  | int high = nums.length-1; |
|  |  |
|  | while(low <= high){ |
|  | int mid = low + (high-low)/2; |
|  |  |
|  | if(nums[mid] == target) return true; |
|  |  |
|  | else if(nums[mid] < target) low = mid+1; |
|  | else high = mid-1; |
|  | } |
|  |  |
|  | return false; |
|  | } |
|  |  |
|  | public static void main(String[] args) { |
|  | Scanner in = new Scanner(System.in); |
|  | int n = in.nextInt(); |
|  | int[] nums = new int[n]; |
|  | for(int i=0; i<n; i++) |
|  | nums[i] = in.nextInt(); |
|  |  |
|  | int target = in.nextInt(); |
|  | System.out.println(binarySearch(nums, target)); |
|  | } |
|  | } |