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CS

EE QUALIFYING EXAM 1999
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Write (in any programming language, or in pseudo-code) a procedure for binary search. Assume you have an array of integers $X[i]$ where "i" can range between 1 and N. The input to the procedure is an integer value "v" that you are searching for. The output is (1) a flag "found" which is true if "v" was one of the values in X, and (2) if flag is true, the value "k" such that $X[k]=v$.

Sort the table first

```
typedef struct out  
{  
    int x;  
    int order;  
} out;
```

```
int SortSeq ( int *pdwIn , out *po );
```