

```
int BinSearch (int A[], int first, int last, int value) {
    int midium = (first + last) / 2;
    if (last == first) && (A[first] != value)
```



```
    else {
        midium = (first + last) / 2;
```

```
    if (A[midium] == value)
        return midium;
```

```
    else if (A[midium] > value)
        return BinSearch (A, first, midium - 1, value);
```

```
    else /* A[midium] < value */
        return BinSearch (A, midium + 1, last, value);
}
```

