

```

    ...
const sortObjectsByLatLong = ({
  field,
  objects,
  lat: referenceLat,
  long: referenceLong
}) => {
  return objects.sort((a, b) => {
    if (!a[field]) {
      return 1;
    }

    if (!b[field]) {
      return -1;
    }

    const { lat: a_lat, long: a_long } = a[field];
    const { lat: b_lat, long: b_long } = b[field];

    if (!a_lat || !a_long) {
      return 1;
    }

    if (!b_lat || !b_long) {
      return -1;
    }

    const a_dist = getDistance(
      { latitude: referenceLat, longitude: referenceLong },
      { latitude: a_lat, longitude: a_long }
    );

    const b_dist = getDistance(
      { latitude: referenceLat, longitude: referenceLong },
      { latitude: b_lat, longitude: b_long }
    );

    return a_dist - b_dist;
  });
};

```

The Cyclomatic Complexity is 7.

Halstead's Metrics Are:

operator	count
return	6
()	18
{ }	26
-	1
:	14
,	12
;	11
=	5
=>	2
[ ]	8
	2
if	4
const	5
!	6

n1 = 14  
N1 = 120

operand	count
-----	-----
sortObjectsByLatLong	1
field	5
objects	2
lat	13
referenceLat	3
long	13
referenceLong	3
a	3
b	3
a_lat	2
a_long	2
b_lat	2
b_long	2
a_dist	2
b_dist	2
getDistance	2
-1	2

n2 = 19  
N2 = 38