![Chart, line chart

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Brute force would be linear search.

We need to find it in logn time

Optimal.

We can use binary search: low mid high.

![Chart, line chart

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Here 3 points represent low mid high.

![Chart, line chart

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Here mid high relation.

Here we see where mid to high go increase pivot is in low to mid area. And mid to high decrease pivot is in mid to high area.

![A picture containing text, indoor, whiteboard

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Even or odd number of elements.

**Here to find mid to high for lowest number but to find max number we need low to mid then can find area.**

![Text

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