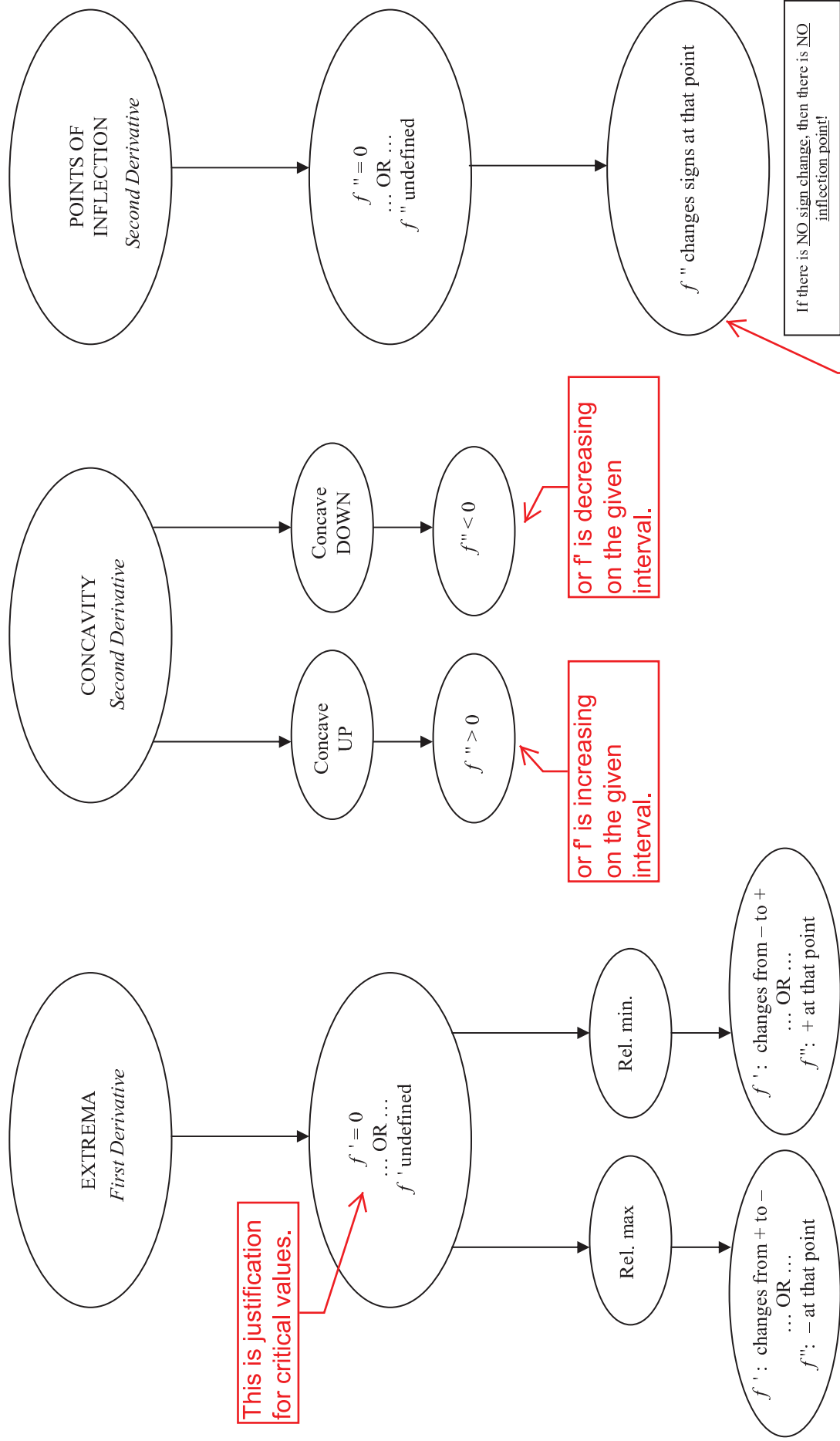


A QUICK SUMMARY OF SECTION 4.3



This is justification for critical values.

or f' is increasing on the given interval.

or f' is decreasing on the given interval.

If there is NO sign change, then there is NO inflection point!

or the slope of f' changes signs

Important \mathcal{J} : For closed intervals check the endpoints to find absolute extrema

To justify increasing: $f' > 0$
To justify decreasing: $f' < 0$