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⑥

to prove - a Δ has at least 2 acute angles.

proof let a Δ has 2 right angles

Sum of these 2 angles = 180°

but this is not possible

\therefore sum of 3 angles is 180°

let Δ has 2 obtuse angles
Sum of these angles $> 180^\circ$

but this is not possible

\therefore sum of 3 angles of Δ is 180°

\therefore a Δ has at least 2 acute angles.

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