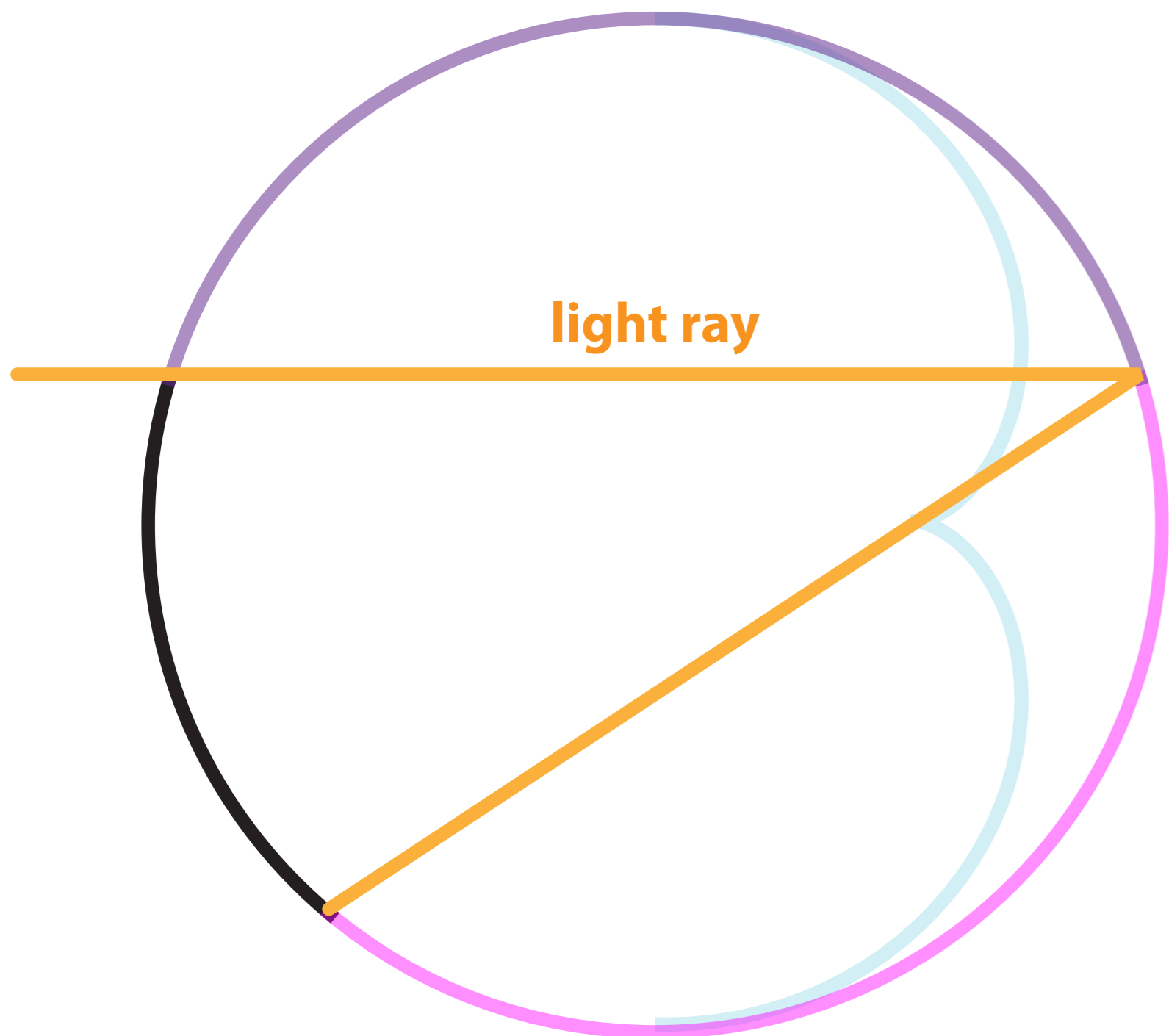
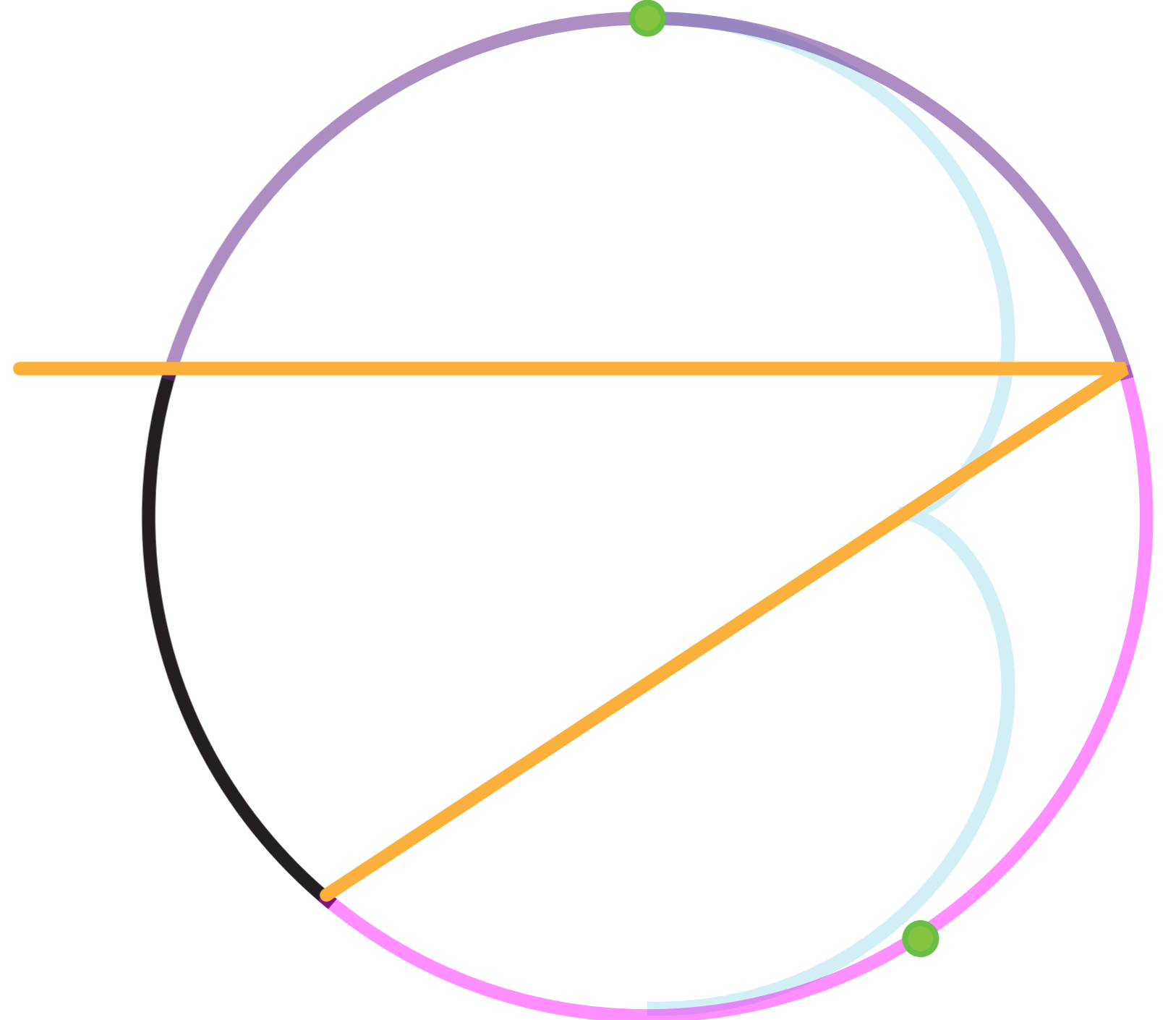
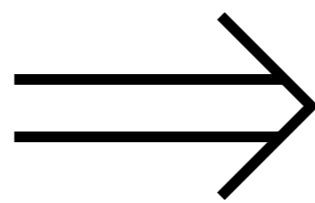


Sketch of a proof that **(the catacaustic for parallel rays of a circle is a nephroid)**
implies **(3 times table diagram segments envelop a nephroid)**

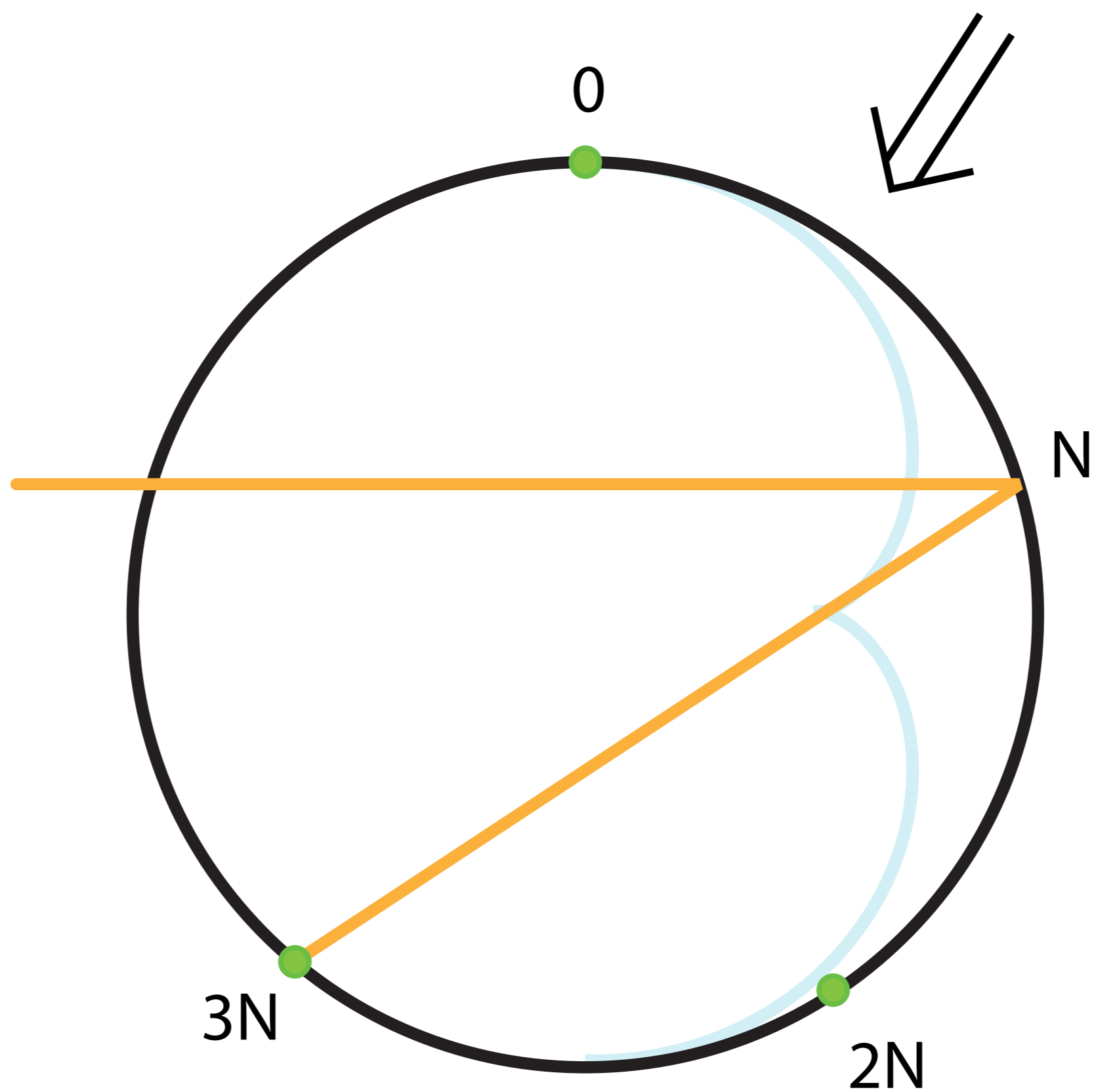


light ray

**pink and purple arcs
are of equal length**



**green points cut pink and purple
arcs in half**



the reflected ray connects N and 3N