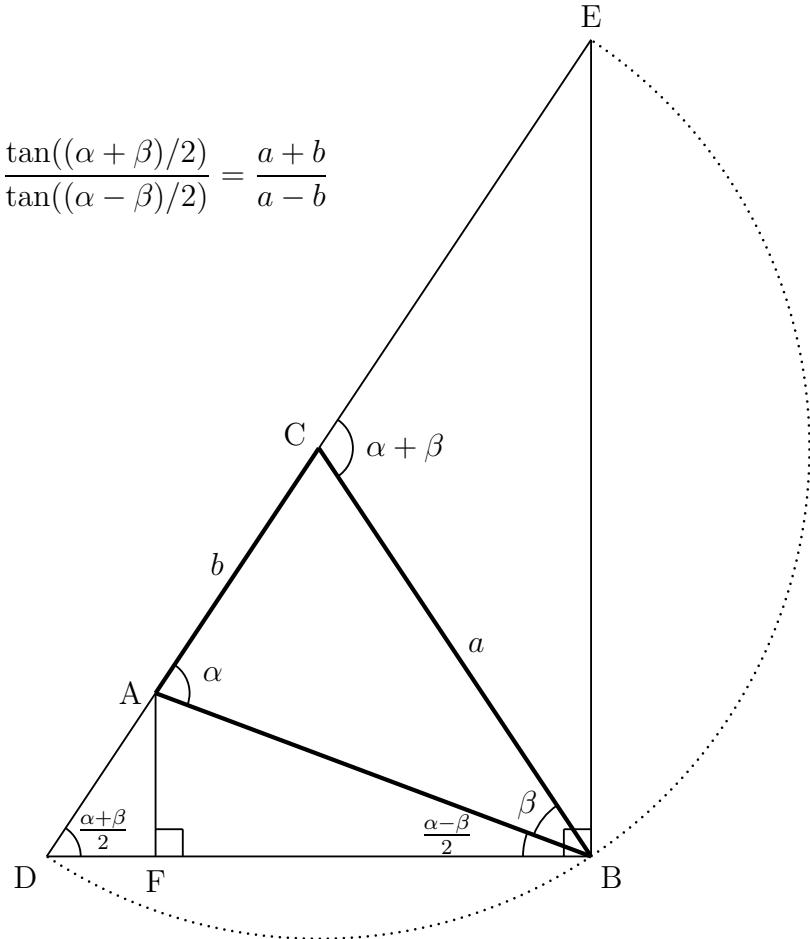


Proof Without Words:  
The Law of Tangents



$$CD = CB = CE, \alpha > \beta, \frac{DE}{DB} = \frac{DA}{DF} = \frac{AE}{FB}.$$

$$\frac{\tan((\alpha + \beta)/2)}{\tan((\alpha - \beta)/2)} = \frac{AF/DF}{AF/BF} = \frac{a + b}{a - b}$$

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