

1350. Dokazati sledeći identitet:  $\frac{\sin x}{1 - \cos x} = \frac{1 + \cos x}{\sin x}$ .

$$\frac{\sin x}{1 - \cos x} = \frac{1 + \cos x}{\sin x}$$

$$\frac{\sin x \cdot (1 + \cos x)}{(1 - \cos x)(1 + \cos x)} = \frac{1 + \cos x}{\sin x}$$

$$\frac{\sin x \cdot (1 + \cos x)}{1 - \cos^2 x} = \frac{1 + \cos x}{\sin x}$$

$$\frac{\cancel{\sin x} \cdot (1 + \cos x)}{\cancel{\sin^2 x}} = \frac{1 + \cos x}{\sin x}$$

$$\frac{1 + \cos x}{\sin x} = \frac{1 + \cos x}{\sin x}$$