Úloha 15
Podmínky řešitelnosti:

$$\left[\left(\alpha < \frac{\pi}{2}\right) \wedge \left(\frac{a}{2} < t_a \leq \frac{a}{2}\cot g\frac{\alpha}{2}\right)\right] \vee \left[\left(\alpha = \frac{\pi}{2}\right) \wedge \left(t_a = \frac{a}{2}\right)\right] \vee \left[\left(\alpha > \frac{\pi}{2}\right) \wedge \left(\frac{a}{2}\cot g\frac{\alpha}{2} \leq t_a < \frac{a}{2}\right)\right]$$

Počet řešení:

$1,$ je-li $\left[\left(\alpha < \frac{\pi}{2}\right) \wedge \left(\frac{a}{2} < t_a = \frac{a}{2}\cot g\frac{\alpha}{2}\right)\right] \vee \left[\left(\alpha > \frac{\pi}{2}\right) \wedge \left(\frac{a}{2}\cot g\frac{\alpha}{2} = t_a < \frac{a}{2}\right)\right]$

$2,$ je-li $\left[\left(\alpha < \frac{\pi}{2}\right) \wedge \left(\frac{a}{2} < t_a < \frac{a}{2}\cot g\frac{\alpha}{2}\right)\right] \vee \left[\left(\alpha > \frac{\pi}{2}\right) \wedge \left(\frac{a}{2}\cot g\frac{\alpha}{2} < t_a < \frac{a}{2}\right)\right]$

$\infty,$ je-li $\left(\alpha = \frac{\pi}{2}\right) \wedge \left(t_a = \frac{a}{2}\right)$