

Úloha 31

Podmínky řešitelnosti:

$$\left(\frac{a}{2} \leq r\right) \wedge \left(\arccos \frac{a}{2r} + \frac{\pi}{2} > \beta\right)$$

Počet řešení:

1, je-li $\left[\left(\frac{a}{2} = r\right) \wedge \left(\beta < \frac{\pi}{2}\right)\right] \vee \left[\left(\frac{a}{2} < r\right) \wedge \left(\frac{\pi}{2} - \arccos \frac{a}{2r} \leq \beta < \arccos \frac{a}{2r} + \frac{\pi}{2}\right)\right]$

2, je-li $\left(\frac{a}{2} < r\right) \wedge \left(\beta < \frac{\pi}{2} - \arccos \frac{a}{2r}\right)$