

$$n := 7 \quad r := 51.5\text{cm}$$

$$\alpha := \frac{2 \cdot \pi}{n} \quad \alpha = 51.429 \text{ deg}$$

$$a := 2 \cdot r \cdot \sin\left(\frac{\alpha}{2}\right) \quad a = 44.69 \text{ cm}$$