

**Zadatak 4.** Koliki su vanjski kutovi trokuta ako su dva unutarnja kuta jednaka  $112^{\circ}44'38''$  i  $28^{\circ}52'13''$ ?

*Rješenje.*

$$\alpha = 112^{\circ}44'38''$$

$$\beta = 28^{\circ}52'13''$$

$$\alpha', \beta', \gamma' = ?$$

$$\alpha + \alpha' = 180^{\circ}$$

$$\alpha' = 180^{\circ} - \alpha = 180^{\circ} - 112^{\circ}44'38'' = 179^{\circ}59'60'' - 112^{\circ}44'38'' = 67^{\circ}15'22'';$$

$$\beta + \beta' = 180^{\circ}$$

$$\beta' = 180^{\circ} - \beta = 180^{\circ} - 28^{\circ}52'13'' = 179^{\circ}59'60'' - 28^{\circ}52'13'' = 151^{\circ}7'47'';$$

$$\left. \begin{array}{l} \alpha + \beta + \gamma = 180^{\circ} \\ \gamma' + \gamma = 180^{\circ} \end{array} \right\} \Rightarrow \gamma' = \alpha + \beta$$

$$\gamma' = 112^{\circ}44'38'' + 28^{\circ}52'13'' = 140^{\circ}90'41'' = 141^{\circ}30'41''$$

