

Zadatak 5. Odredi kut β za koji je $\alpha + \beta = 360^\circ$ ako je:

- 1) $\alpha = 220^\circ 35'$; 2) $\alpha = 115^\circ 47'$;
3) $\alpha = 299^\circ 40' 55''$; 4) $\alpha = 11^\circ 22' 33''$;
5) $\alpha = 89^\circ 59' 59''$.

Rješenje.

- 1) $\alpha = 220^\circ 35'$, $\alpha + \beta = 360^\circ \implies \beta = 360^\circ - 220^\circ 35' = 359^\circ 60' - 220^\circ 35' = 139^\circ 25'$;
2) $\alpha = 115^\circ 47'$, $\alpha + \beta = 360^\circ \implies \beta = 360^\circ - 115^\circ 47' = 359^\circ 60' - 115^\circ 47' = 244^\circ 13'$;
3) $\alpha = 299^\circ 40' 55''$, $\alpha + \beta = 360^\circ \implies \beta = 360^\circ - 299^\circ 40' 55'' = 359^\circ 59' 60'' - 299^\circ 40' 55'' = 60^\circ 19' 5''$;
4) $\alpha = 11^\circ 22' 33''$, $\alpha + \beta = 360^\circ \implies \beta = 360^\circ - 11^\circ 22' 33'' = 359^\circ 59' 60'' - 11^\circ 22' 33'' = 348^\circ 37' 27''$;
5) $\alpha = 89^\circ 59' 59''$, $\alpha + \beta = 360^\circ \implies \beta = 360^\circ - 89^\circ 59' 59'' = 359^\circ 59' 60'' - 89^\circ 59' 59'' = 270^\circ 1''$.