

Write a program that reads traverse angles  $a_1, a_2, \dots, a_n$ , performs *Traverse Angle Balancing*, and prints the corrected angles  $\hat{a}_1, \hat{a}_2, \dots, \hat{a}_n$ .

$$e = \left( \sum_{i=1}^n a_i \right) - 180(n - 2)$$

$$c = e/n$$

$$\hat{a}_i = a_i - c \forall i \in [1, n]$$