Program Algorithm:

STEP 01: Initialize the variable that will store the number of Distance/Rod Reading inputs to zero (0).
STEP 02: Read the number of Distance/Rod Reading inputs from the user input, and store the value to the variable created in STEP 01.
STEP 03: Initialize the two-dimensional array storage of Distance and Rod Reading values to zero (0).
STEP 04: Read user input for Distance value, and store it to the two-dimensional array storage created in STEP 03.
STEP 05: Read user input for Rod Reading value, and store it to the two-dimensional array storage created in STEP 03.
STEP 06: Check if the number of user inputs of Distance/Rod Readings is equal to the value acquired in STEP 02.
STEP 07: If STEP 06 is true, proceed to STEP 08; otherwise, go back to STEP 04.
STEP 08: Print a table displaying the collected data of the Distances and Rod Readings.
STEP 09: Initialize the variable that will store the result of the Stadia Constant (R).
STEP 10: Calculate the value for the Stadia Constant, and store it to the variable created in STEP 09.
STEP 11: Initialize the variable that will store the result of the Stadia Interval Factor (K).
STEP 12: Calculate the value for the Stadia Interval Factor, and store it to the variable created in STEP 11.
STEP 13: Print the result of the Stadia Constant.
STEP 14: Print the result of the Stadia Interval Factor.