SOLUTION SHEET 1.0

Problem description: Calculate the average of n numbers where n is entered by the user. The user has to also enter each number and how many times (t) that number is present in the series. Specify the necessary operations to obtain the result.

Size : Small

Domain : Mathematics

Complexity : Simple

Variables type : Decimal

Python variables type : Float

FREQUENCY TABLE

	Number	Times
X1	a	d
X2	b	e
Xn	c	f

Enter the numbers:

$X_1, \ldots X_N$

Enter how many times repeat each number:

$Y_1, \ldots Y_N$

BLACK BOX

The avarage is:

$(\Sigma X * Y) / \Sigma Y$

FLOWCHART

START

ENTER THE NUMBERS, X1, ... XN

ENTER THE TIMES OF REPETITION, Y1, ... YN

THE AVARAGE IS:$(\Sigma X * Y)/\Sigma Y$

END