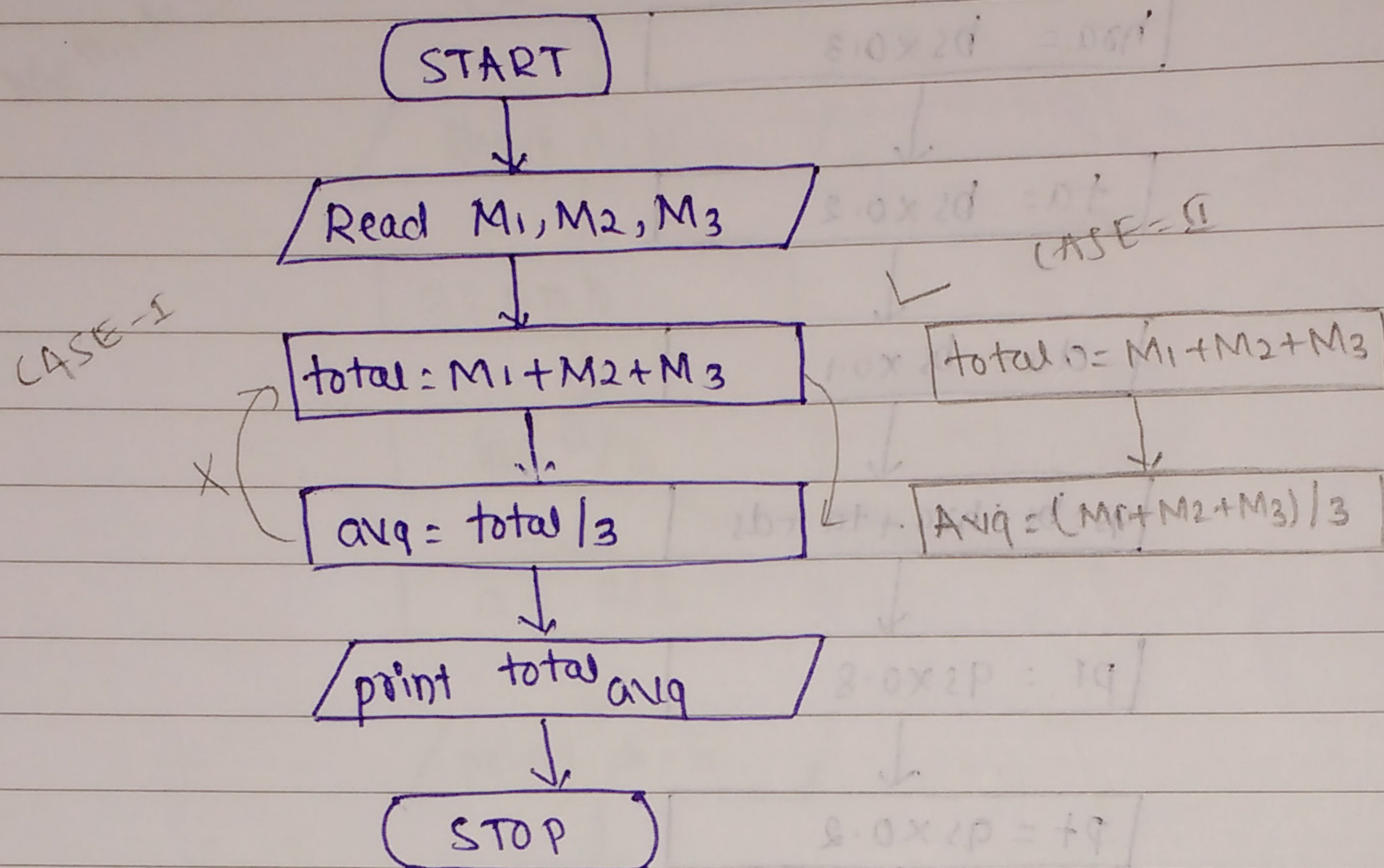12) Draw a flowchart to accept student name and marks of 3 sub calculate and desply total and average of a student.

START

↓

Read M1, M2, M3

CASE-I

CASE-II

total = M1 + M2 + M3

total = M1 + M2 + M3

avg = total / 3

Avg = (M1 + M2 + M3) / 3

print total avg

↓

STOP

X

COMENT: In the above flowchart calculation of avg is dependent on calculation of total. Hence the steps cannot be interchanged.

In the case calculation of total and avg are not dependent on each other. Hence the steps can be interchanged.