Algorithms and Pseudocode

PROBLEM 1:

Algoritm:

STEP 1: Walk into the corn meadow

STEP 2: Pick the first ear of corn

STEP 3: Move further into the meadow

STEP 4: If another ear is found, compare its size with

the current ear

STEP 5: If other ear is bigger than yours, then drop your corn ear and take the other one

STEP 6: Else, search meadow gagain for other ears of corn STEP 7: Go to STEP 3 and repeat these steps until you core out of the meadow

Pseudocode:

START

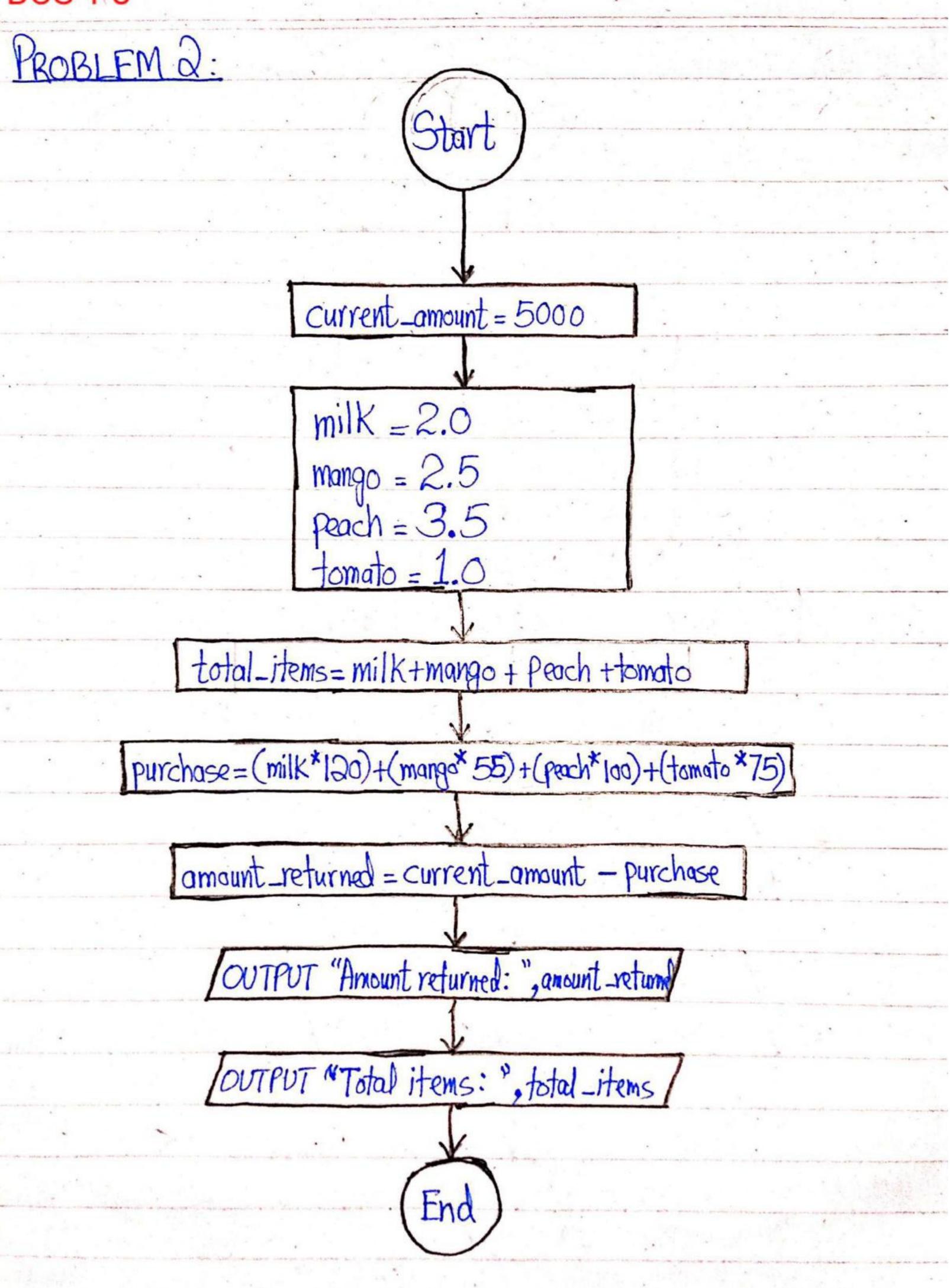
corn_ear_in_mouth = PICK first_corn_ear

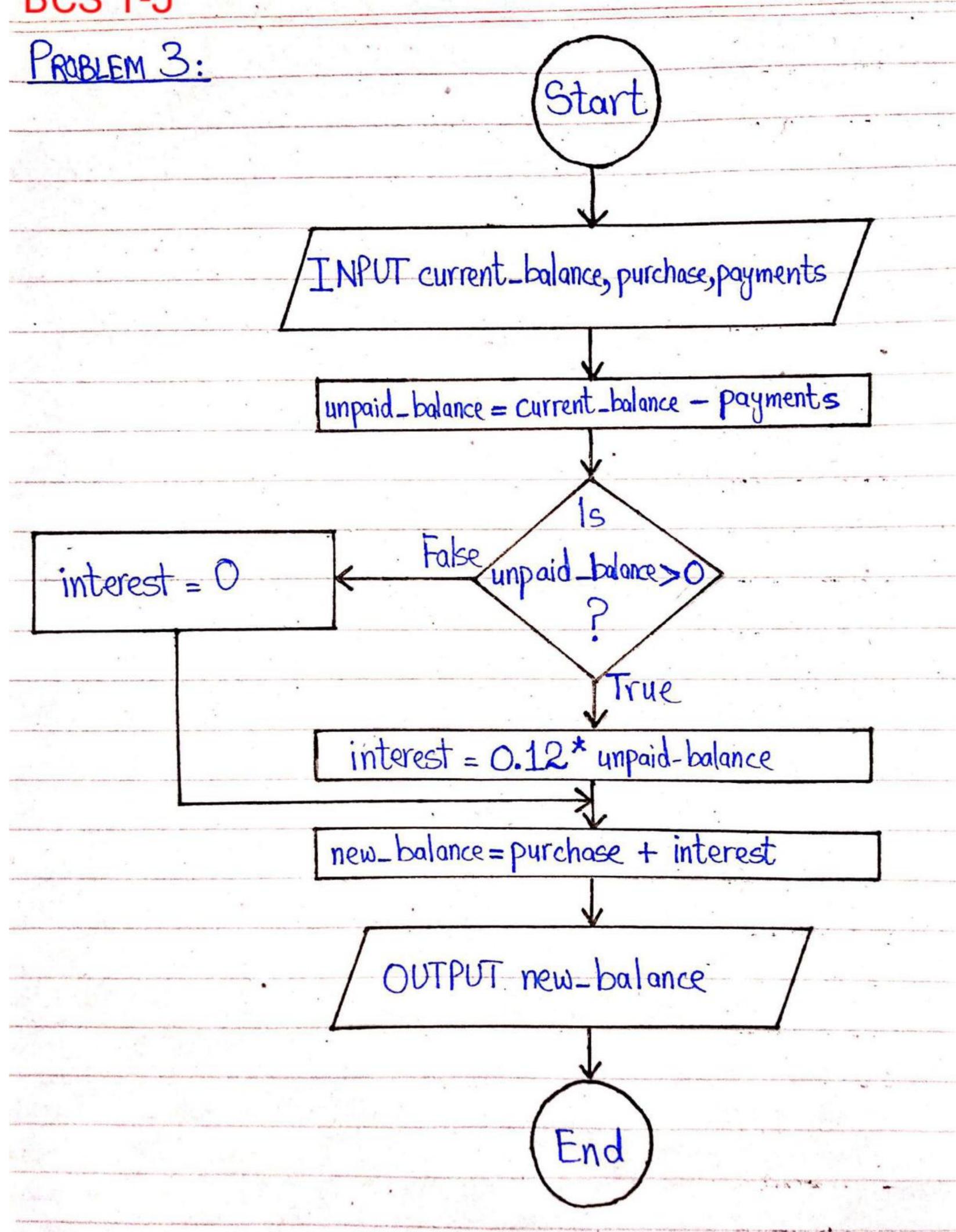
corn-ear-to-pick = SEARCH corn-ear IF corn_ear_to_pick > corn_ear_in_mouth THEN

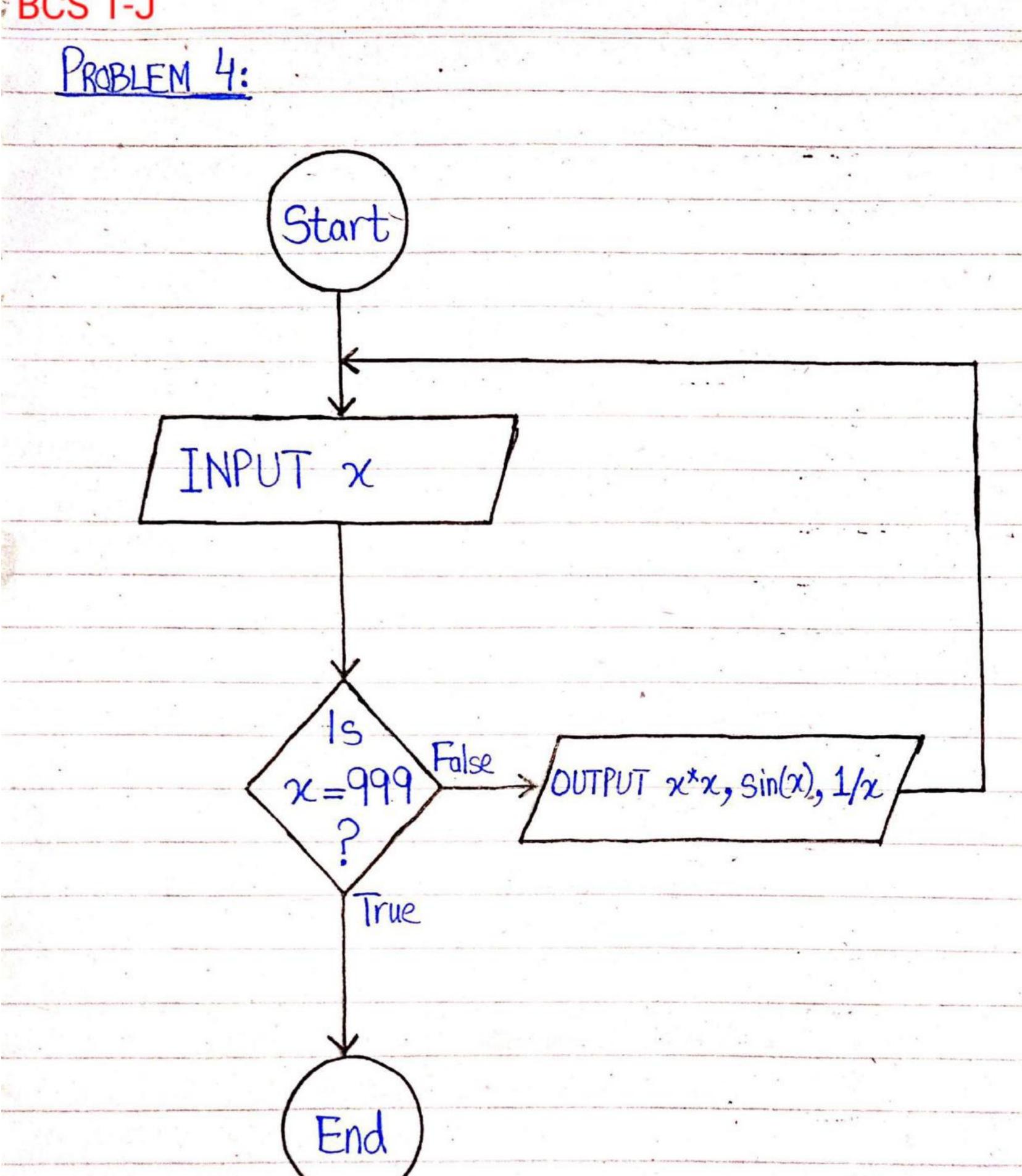
> DROP corn_ear_in_mouth PICK corn_ear_to-pick corn_ear_in_mouth = corn_ear_to_pick

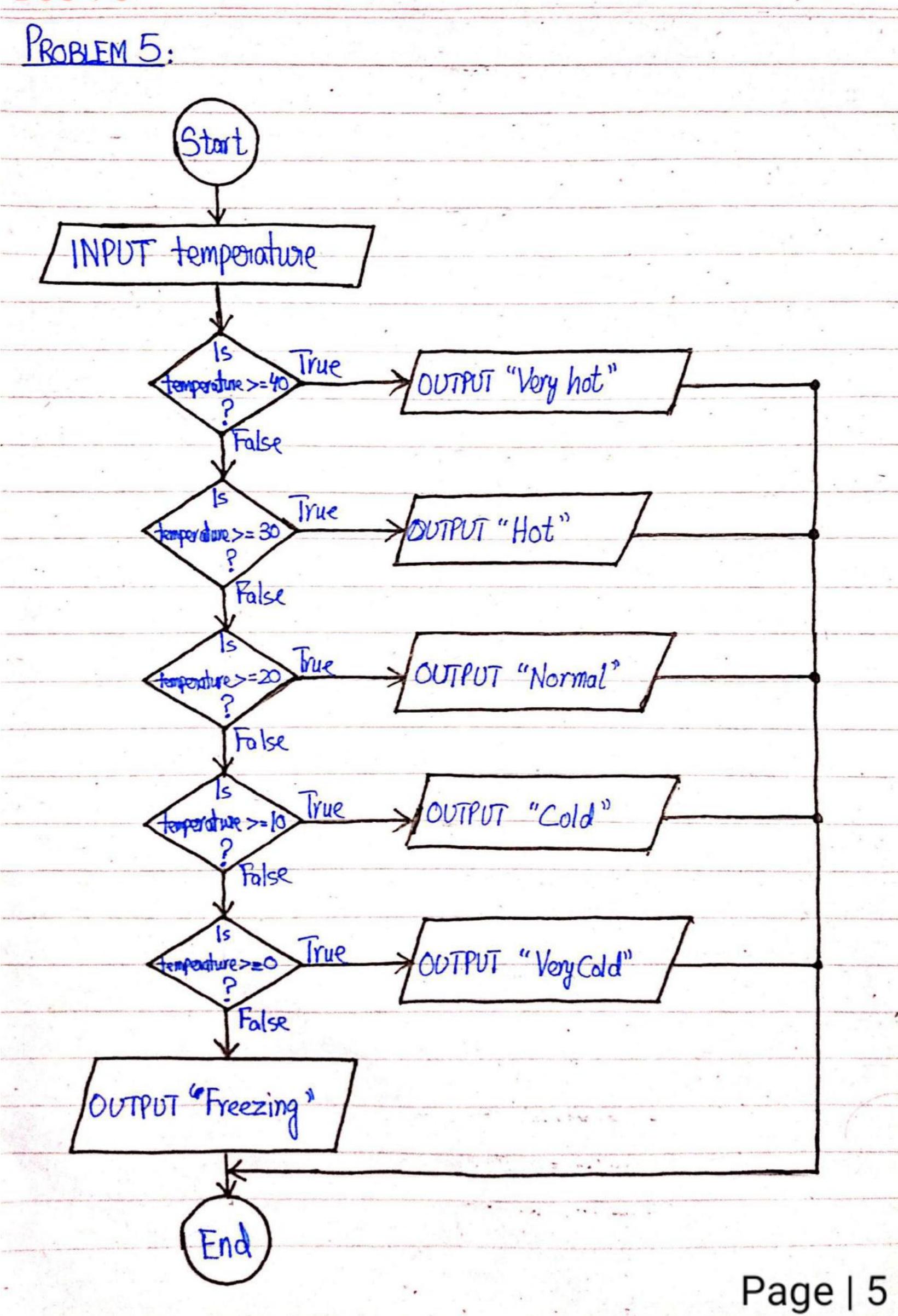
meadow != FINISHED

END









PROBLEM6:

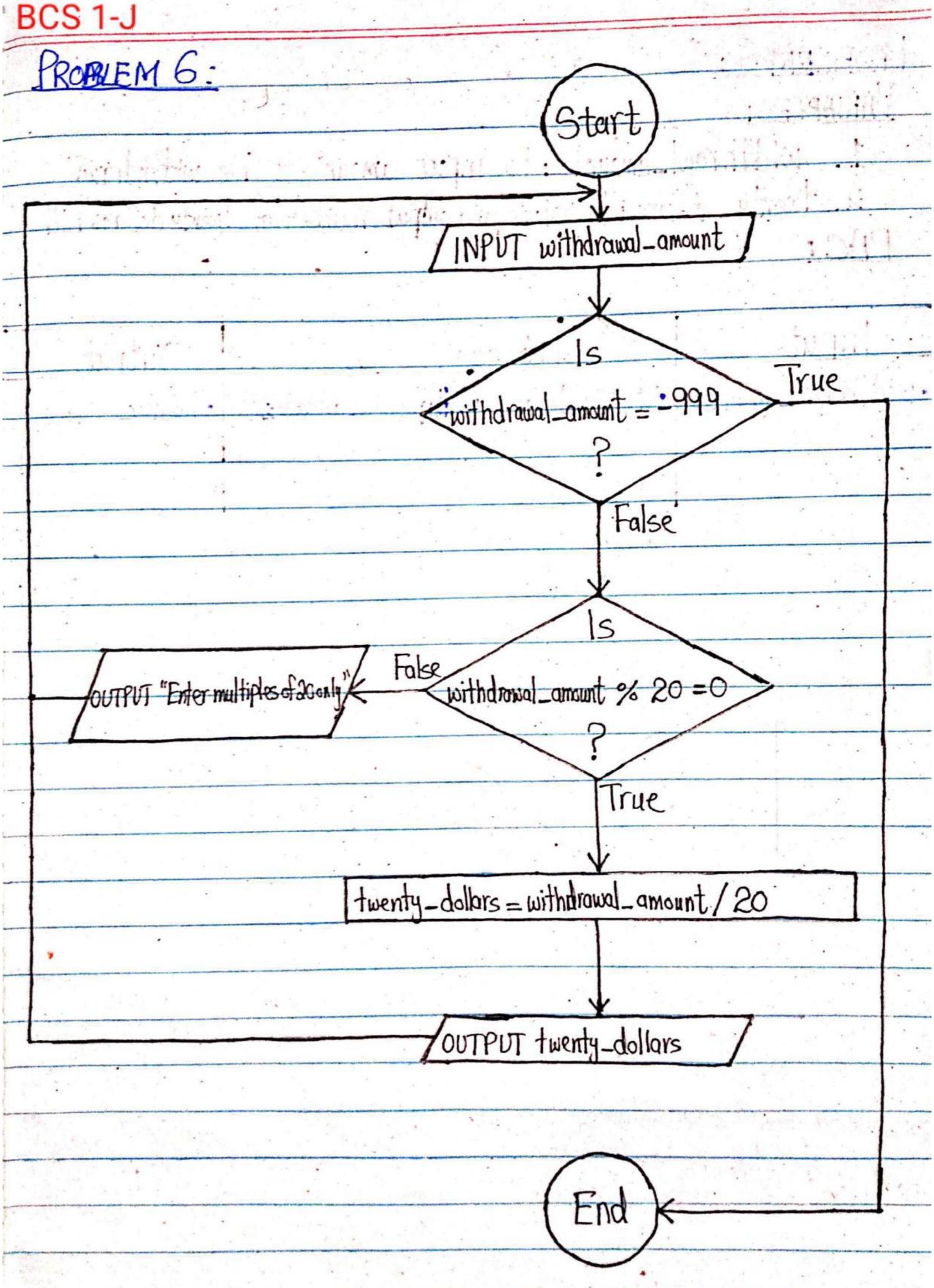
VARIABLES:

- 1. withdrawal_amount: to input amount to be withdrawn 2. twenty_dollars: to store and output number of twenty dollars bill

PAC:

Data	Processing	Output
withdrawal_amount	twenty_dollars=withdrawal_amount/20	twenty_dollars

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ROBLEM 1: Algorithm: STEP 1: Set count to 0 STEP 2: Take input for the next item in the list STEP3: If that item is a tea, increment to value of count by 1 STEP 4: Go to STEP 2 and repeat these steps until items in the list are finished STEP 5: Output the value of count Pseudocode: START count = 0 INPUT next_list_item IF next_list_item = "Tea" THEN count = count + 1 ENDIF WHILE list ! = FINISHED OUTPUT count END

PROBLEM 8:
START
INPUT operator .
IF operator != '9'
THEN
INPUT op1, op2
IF operator = '+'
THEN
OUTPUT (op1+op2)
sum = op1 + op2
sub = op2 - op1
IF sum > sub
THEN
OUTPUT "Sum is greater"
ELSE
OUTPUT "sub is greater" : !!!
ENDIF
ELSE IF operator = '-'
THEN
OUTPUT (op2-op1)
sub = op2 - op1
Sum = op1 + op2
IF sum > sub
THEN
OUTPUT "Sum is greater"
. ELSE
OUTPUT "sub is greater"

ENDIF
ELSE IF operator = *'*'
THEN
OUTPUT (op1 * op2)
ELSE IF operator = '/'
THEN 30.11.
IF op2'!=0
THEN
OUTPUT (op1/op2)
ELSE
OUTPUT "Invalid Operation"
ENDIF
ELSE
DUTPUT "Involvid Operation"
ENDIF
ENDIF
END in the interior
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