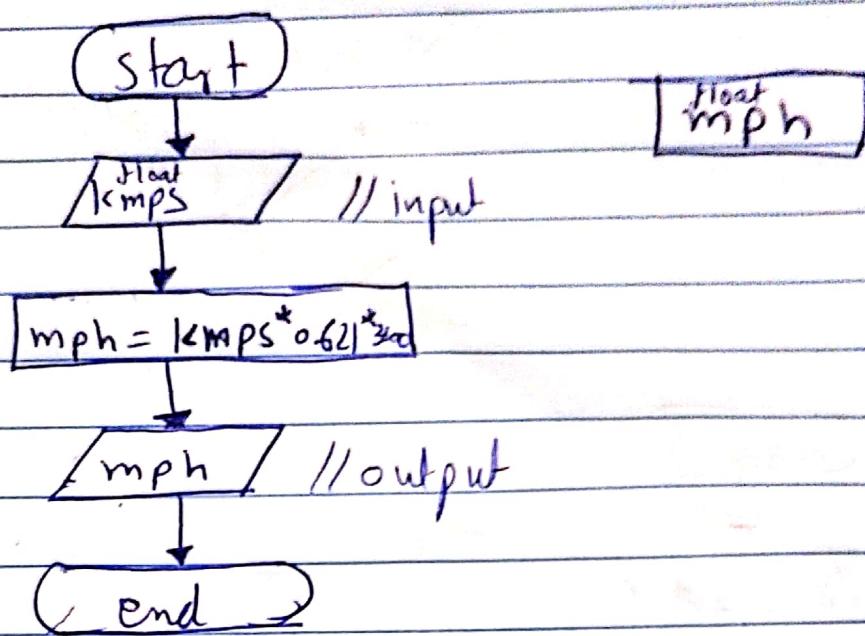
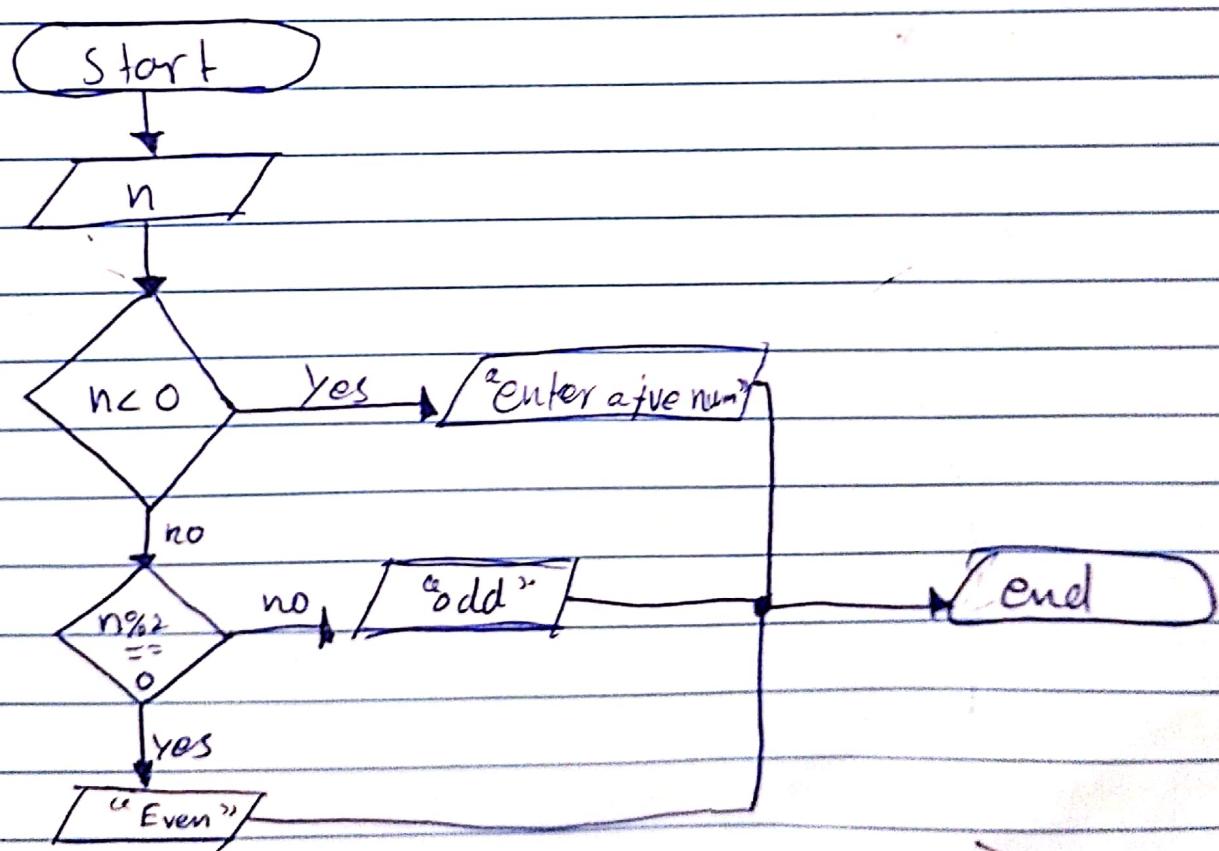


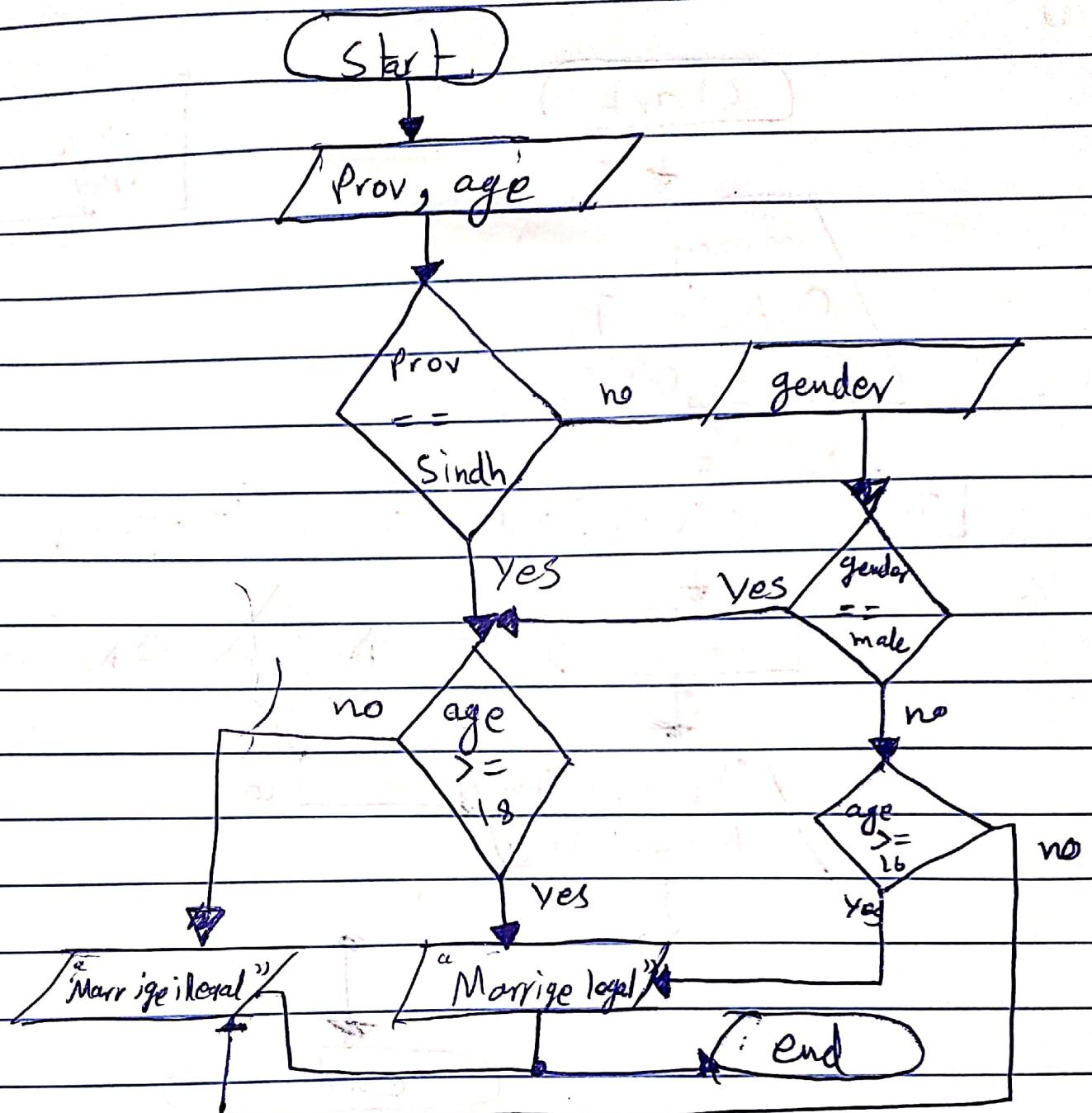
Q1



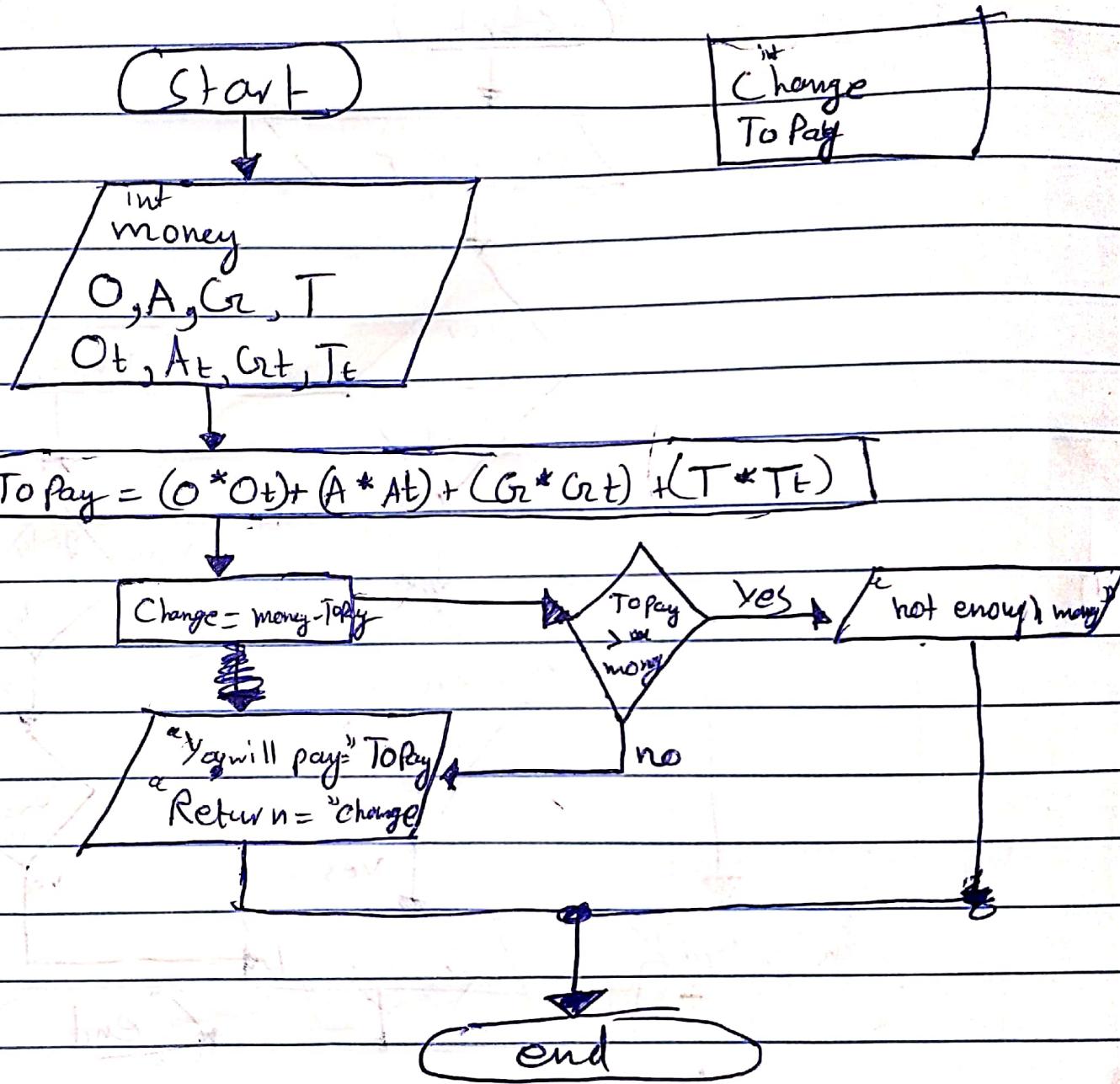
Q2



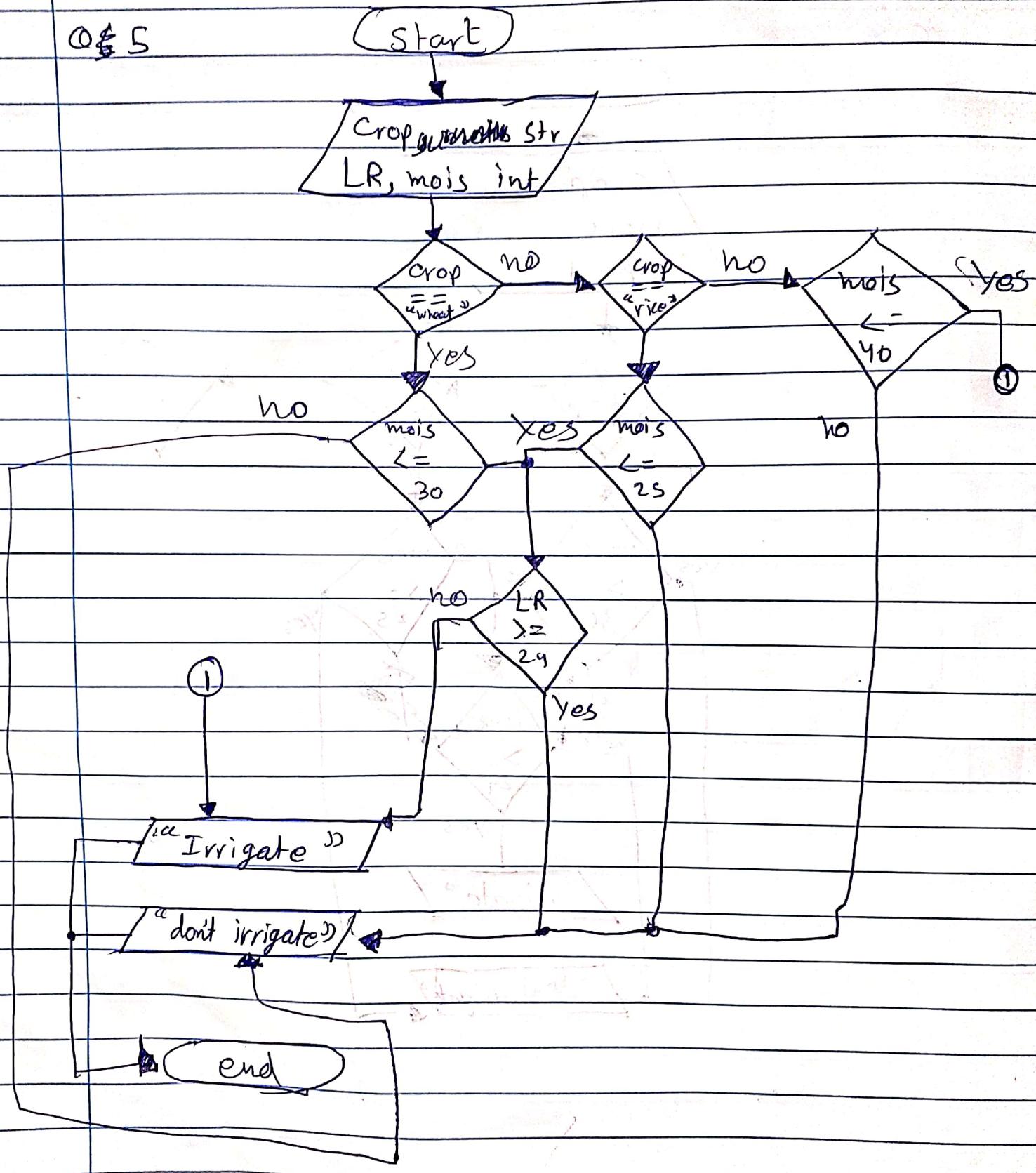
Q3



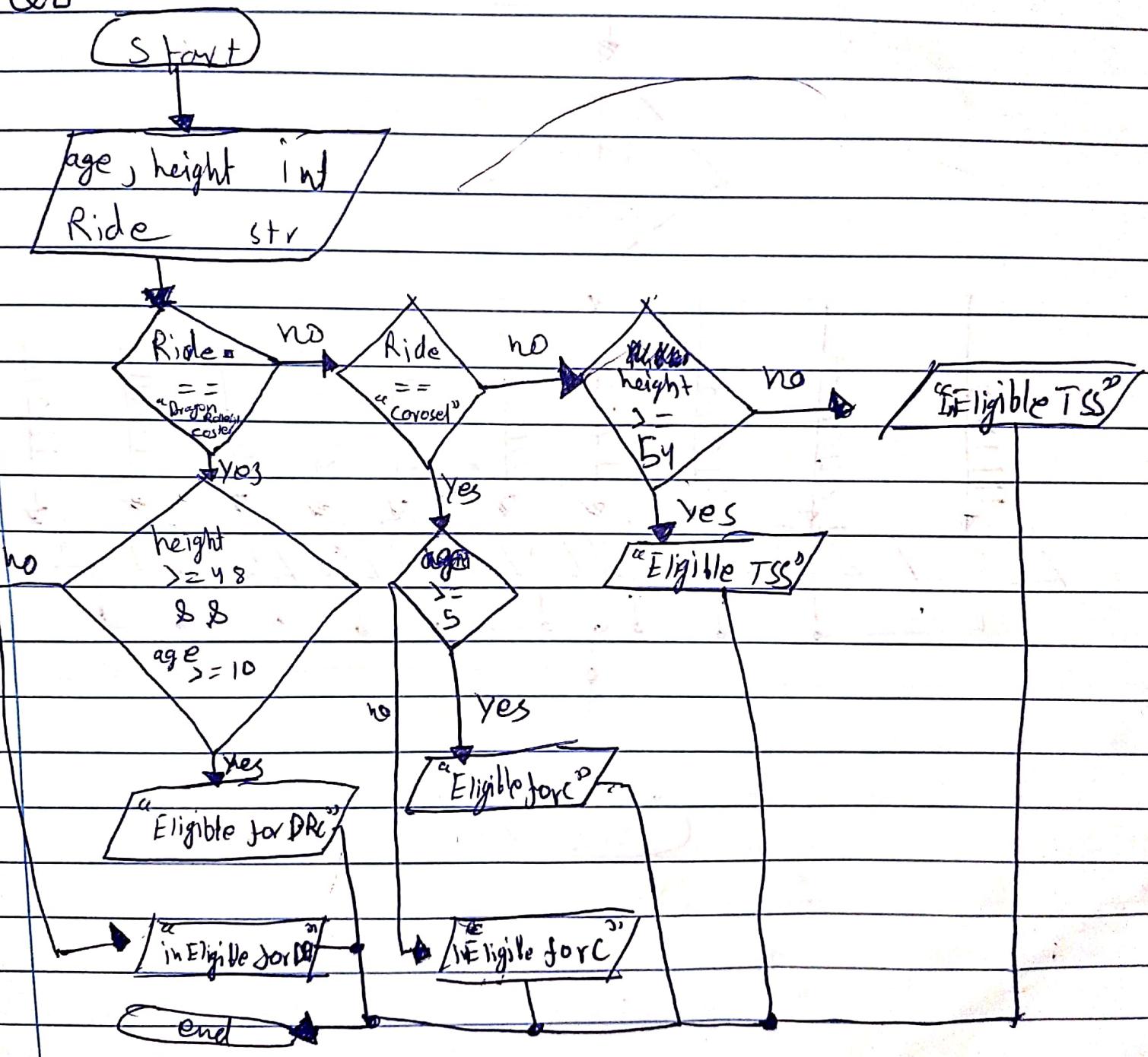
Q 4



045

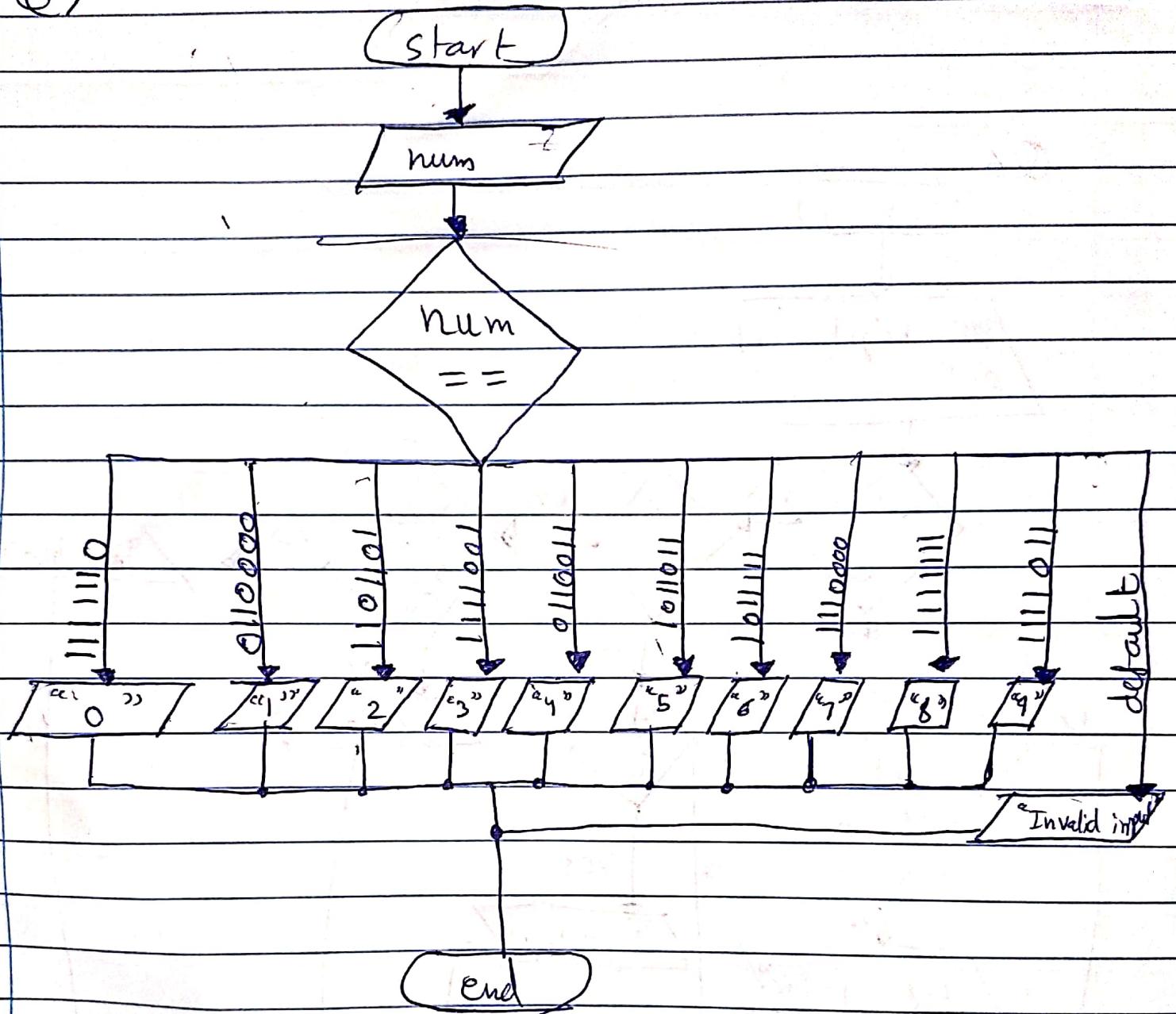


Q6



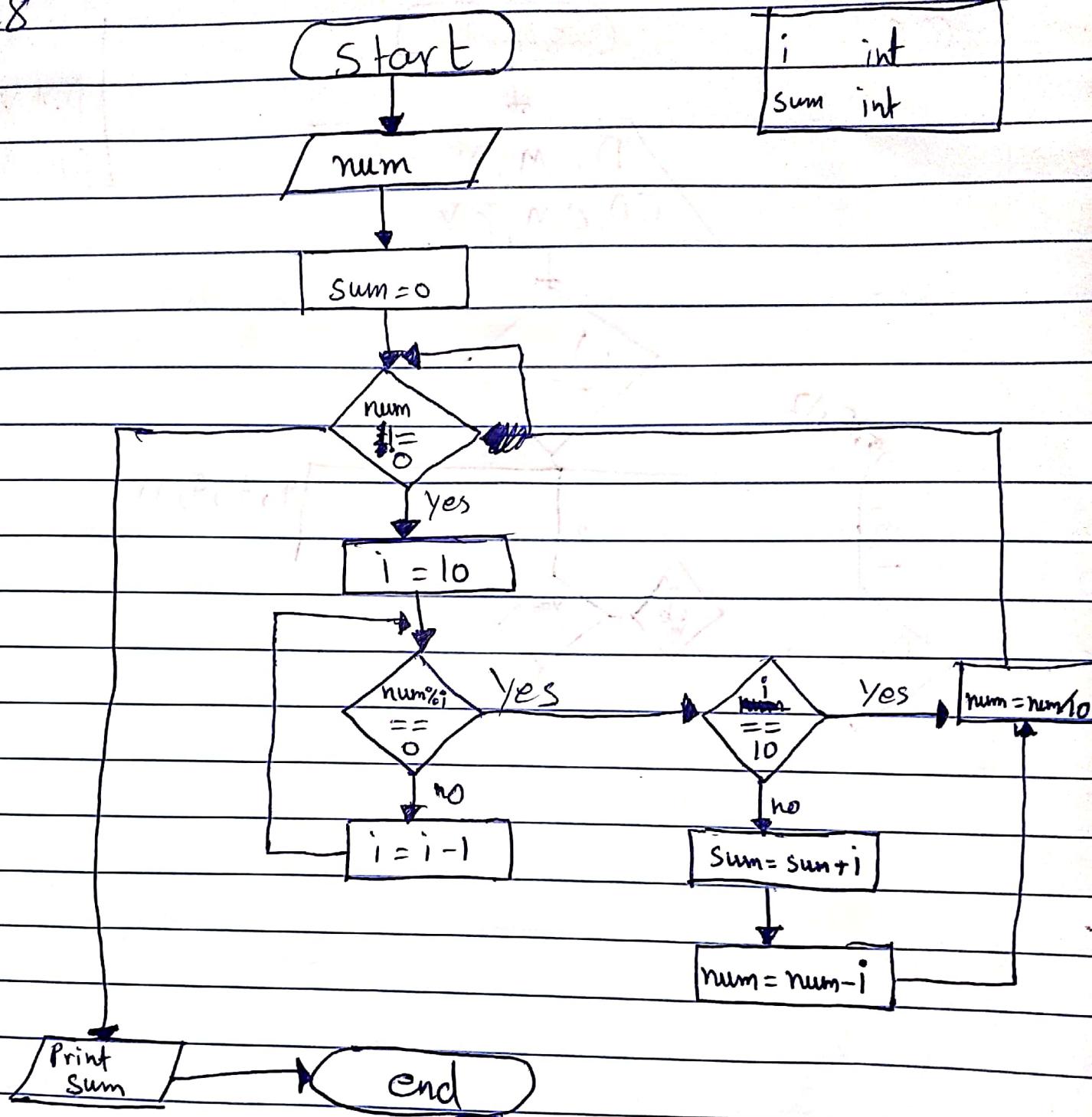
~~There~~

Q7

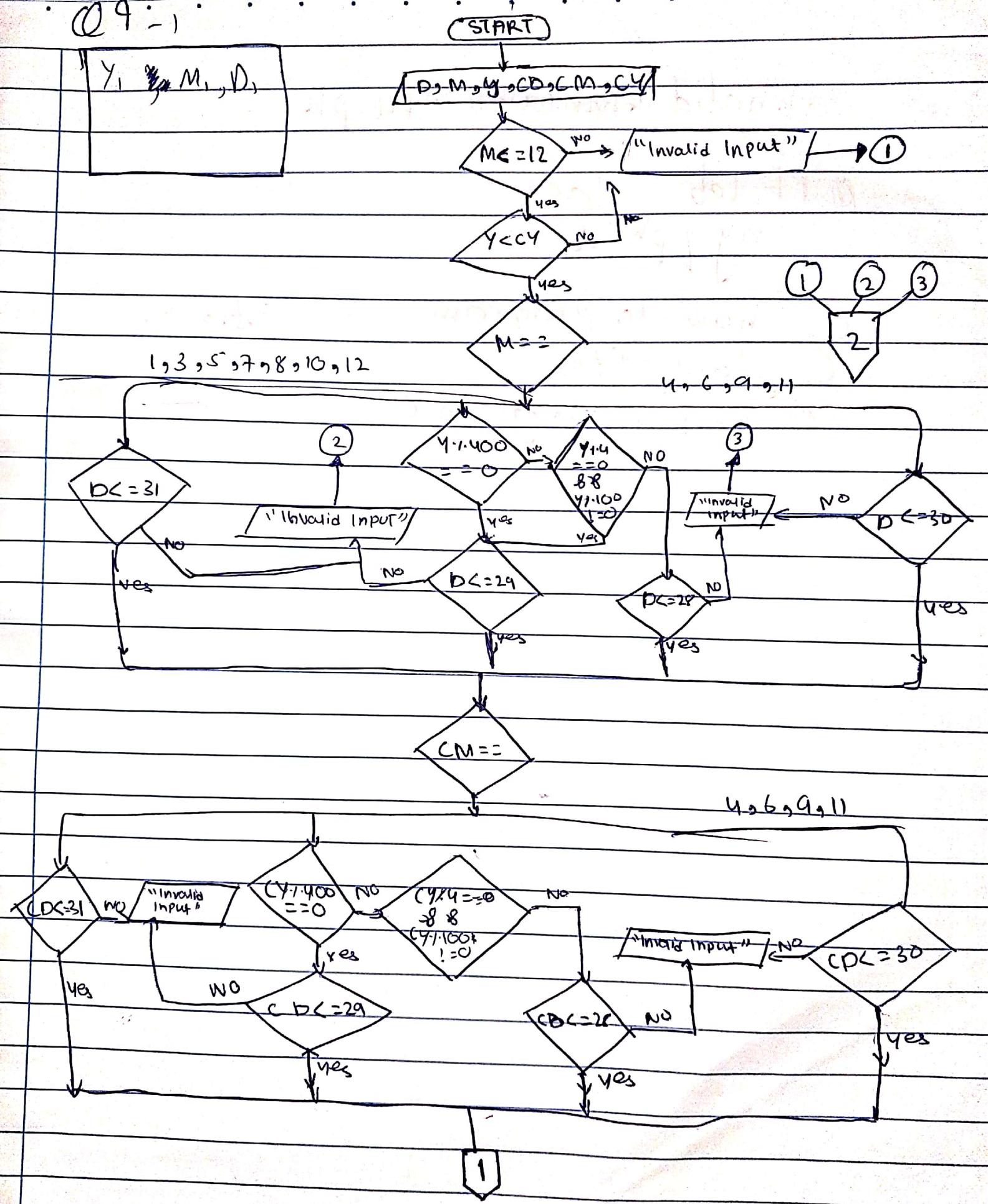


Q.8

i	int
sum	int



~~Q4:-~~



Q9-2



Yes $M > CM$

$$Y_1 = CY - Y_1$$
$$M_1 = M - CM$$

$$Y_1 = CY - Y$$
$$M_1 = CM - M$$

$$D_1 = CD - D$$

No $D > CD$

$$M_1 = M_1 - 1$$
$$D_1 = D - CD$$

$Y_1 \quad M_1 \quad D_1$

end

2

Q210

mul int
cor int

Start

mul = 1
cor = 0

num

num
 \neq
0

i = 10

num % i
 \neq
0

i = i + 1

num = num / 10
mul = mul * 10

i = i - 1

i = i - 1

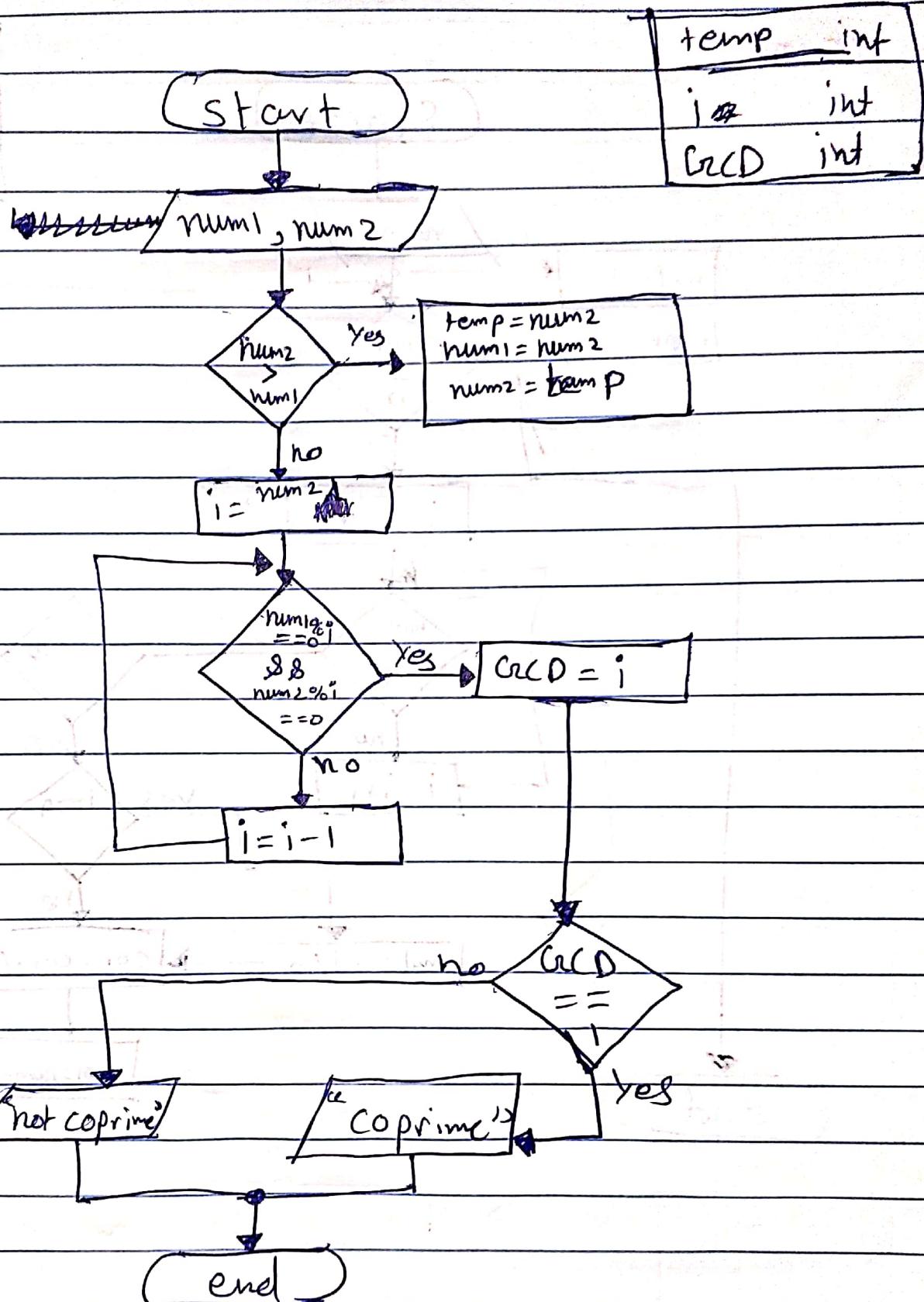
mul = mul / 10

cor = cor + (i * mul)

num = num - i

end

Q11



Q12

Start

 J_{1C}, J_{2C}
 J_1, J_2 $\bar{J}_{1C} = 3, \bar{J}_{2C} = 5$
 $J_1 = 0, J_2 = 0$ $J_2 = J_{2C}$ $J_1 = J_{1C}$ $\bar{J}_2 = \bar{J}_{2C} - J_{1C}$ $J_1 = 0$ $J_1 = J_2$ $\bar{J}_2 = 0$ $J_2 = J_{2C}$ $J_2 = \bar{J}_2 - (J_{1C} - J_1)$ $J_1 = J_{1C}$ J_2

end

Q13

Start

 $J_1L, J_2, J_1, \text{temp}$
 Regions Regs
 J_1C, J_2C

Req

 J_2C \bar{J}_1C

no

 $\text{temp} = J_2C$ $J_2C = J_1C$ $J_1C = \text{temp}$ $i \neq J_1C$ $\frac{\text{num1} \times i}{\text{num2}} = 0$ $\text{num2} \times i = 0$

yes

 $\text{GrCD} = i$ $j = j - 1$

no

yes

j

 $J_1 = 0, J_2 = 0, J_1L = J_1C$

no

yes

yes

 $J_2 \leq J_1C$ $J_1 = J_1C$ $J_2 = J_2 - J_1L$ $J_1L = J_1C - J_1$ $J_2 == \text{Req}$

no

 J_2 $J_1 \neq J_2$ if $J_2 = 0$

end