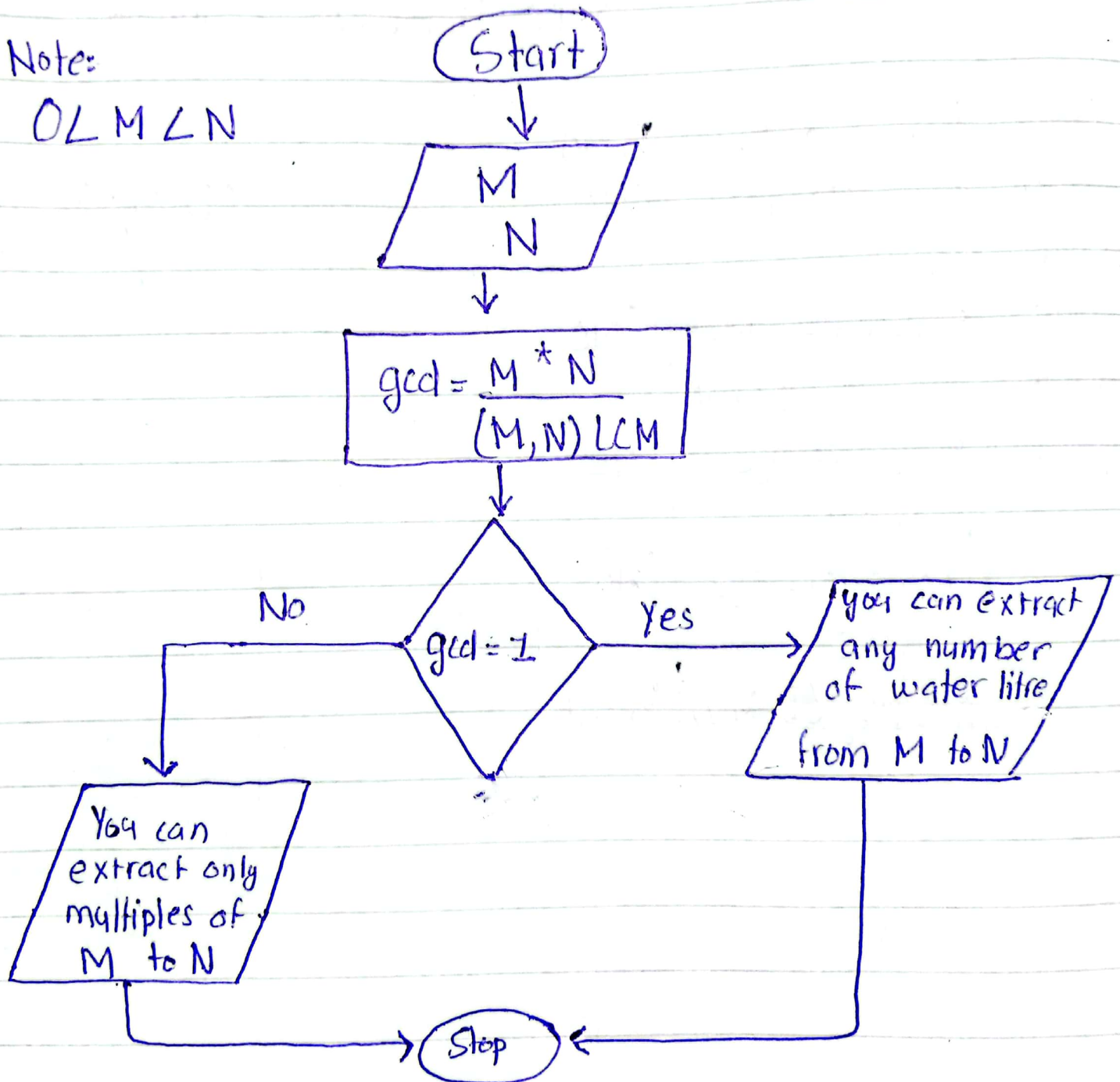


Problem 13: General N-M size die hard jug problem.

Note:

$$0 < M < N$$



Pseudocode:

- Start.
- // Take Input, Remember $0 < M < N$
 Enter M jug value
 Enter N jug value
- // calculate gcd

$$\text{gcd} = \frac{M * N}{(M, N) \text{ LCM}}$$
- // conditions
 if (gcd = 1)
 Print " You can any number of water
 litre from M to N."
 else
 Print " You can only extract multiplies of
 M litres to N".
- End.

48

IPO:

Input	Processing	Module Preference	Output
M N	<ul style="list-style-type: none">• Start• Input M, N• calculate GCDDetermine whether multiples of M will be extracted or all from 1 to N• Print " litres "• End	Read Calc Calc	litres that can be extracted.