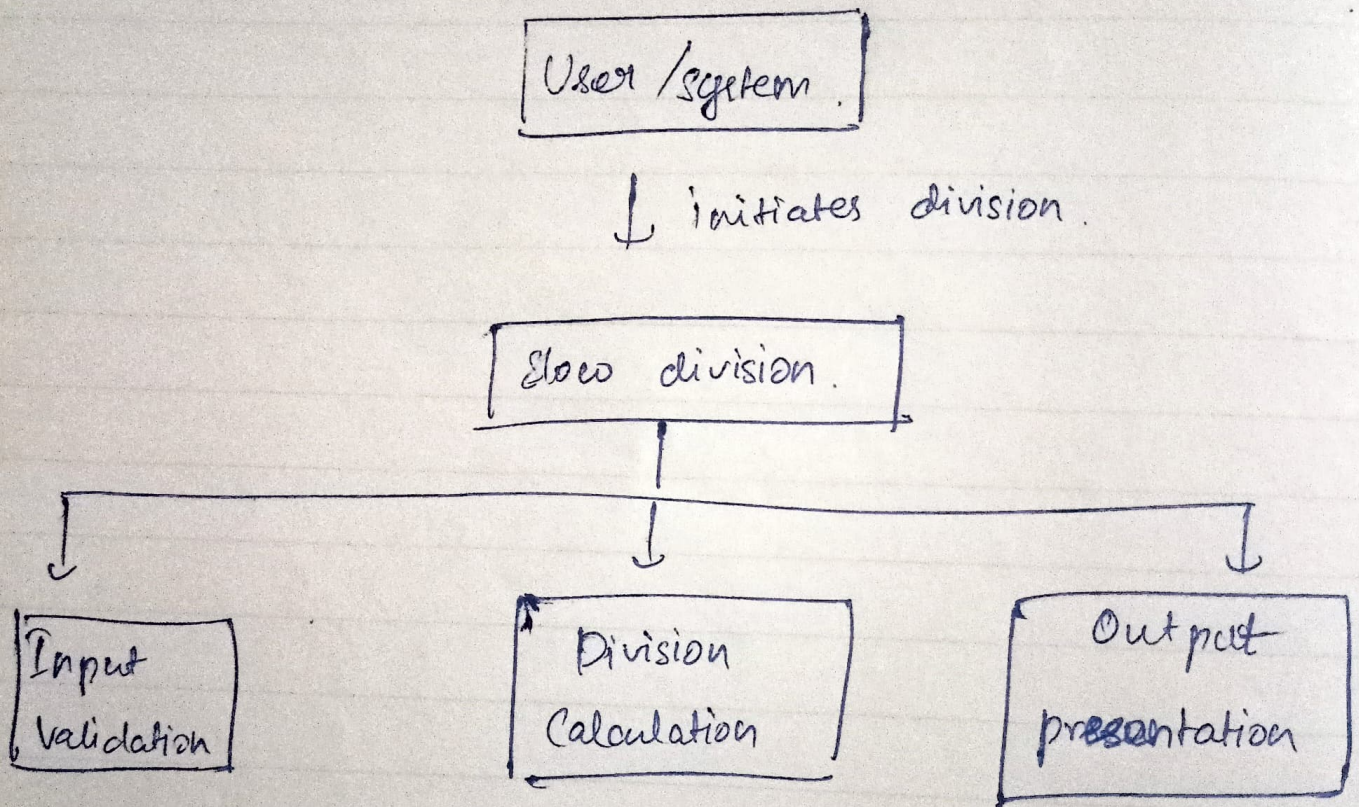


USE CASE DIAGRAM.

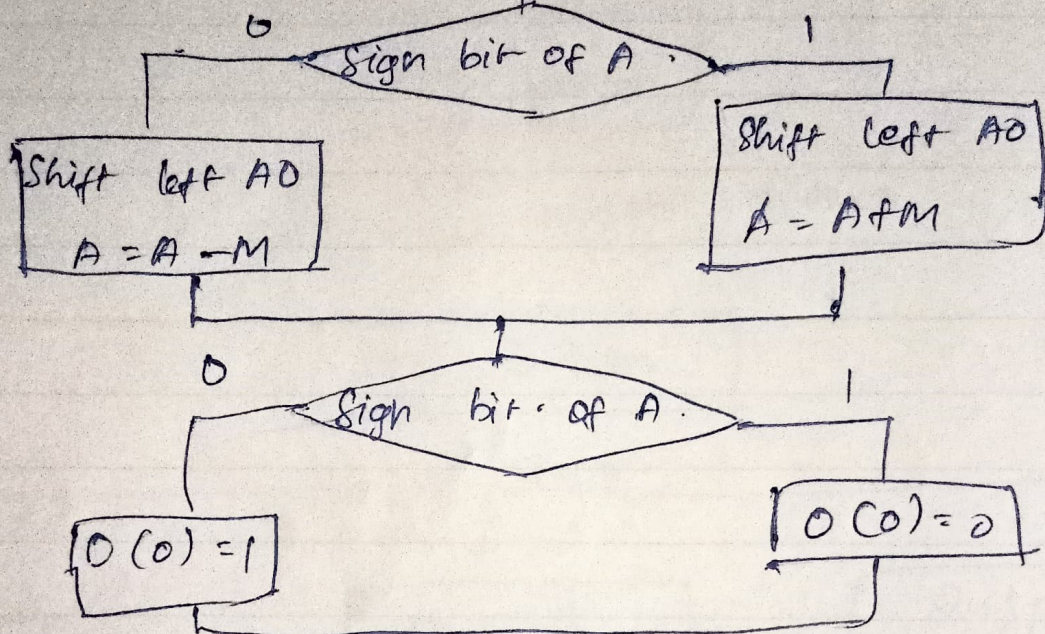
Slow division algorithm:

Overview:



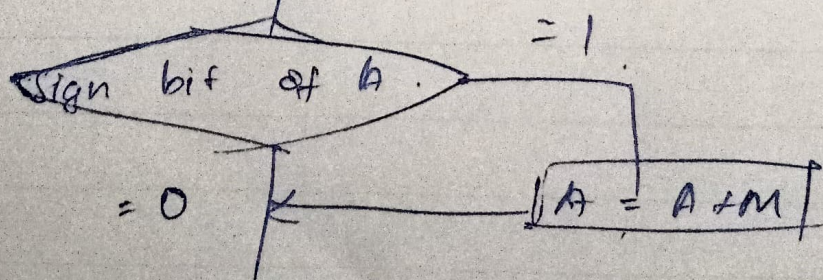
Start

N = Number of bits in dividend
 $A = 0$
 M = divisor
 Q = dividend



$N = N - 1$

If $N = 0$



Quotient is in register Q
and Remainder is in register A

Stop

Fast division algorithm

