

Algorithm: Division of floating point numbers

- Read x_1 , e_1 , x_2 and e_2
 - Set $x = \frac{x_1}{x_2}$
 - Set $e = e_1 - e_2$
 - If ($\text{abs}(x) \geq 1.0$) then
 $x = \frac{x}{10}$
 $e = e + 1$
End if
 - If ($\text{abs}(x) < 0.1$) then
 $x = x * 10$
 $e = e - 1$
End if
 - If ($e < -99$) then
 Print ("Underflow")
 STOP
End if
 - If ($e > 99$) then
 Print ("Overflow")
 STOP
End if
 - Print(x , e)
- END