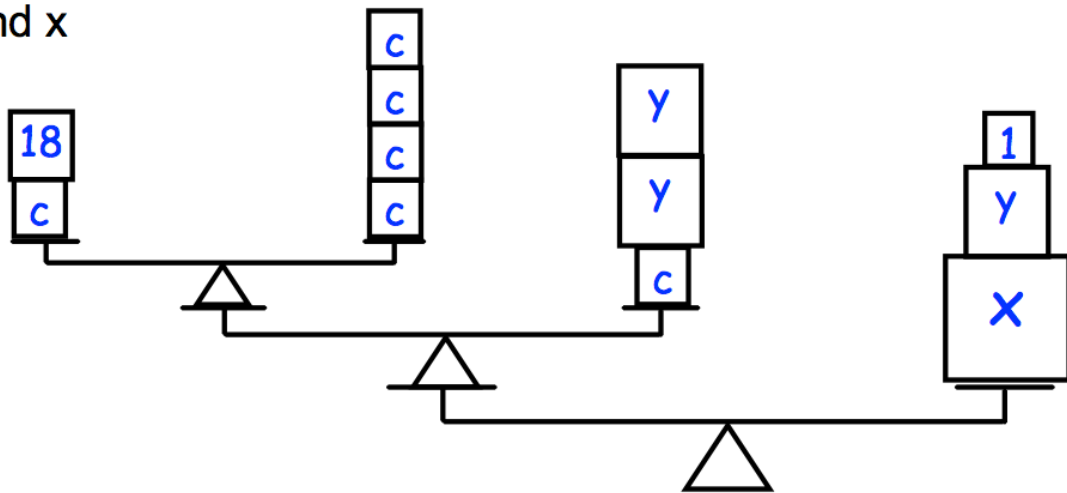


September 29th

Find x



On the left hand fulcrum

$$c + 18 = 4c$$

Hence

$$c = 6$$

On the middle fulcrum

$$c + 2y = 18 + c + 4c = 48$$

Hence

$$y = 21$$

On the right hand fulcrum

$$18 + c + 4c + 2y + c = y + x + 1$$

Hence

$$\mathbf{x = 74}$$