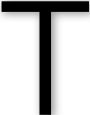




$\Delta a$









62







U



62



















2





h



2



Q







S

















2









U





**U**



62











6











**U**





S













**m**

**U**

























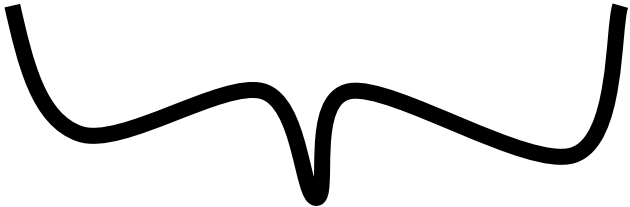


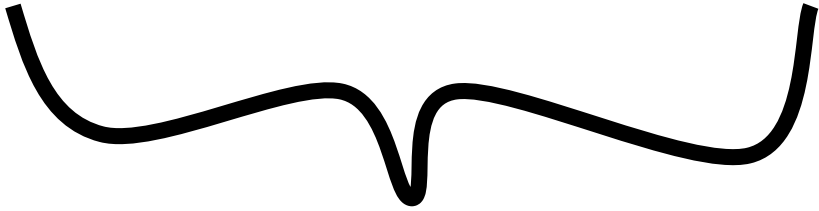


S









$\Delta C$





100



**-**

**1000**

-1000 \* 0.9



1000\*0.9

$\Delta C$

-1000 \* 0.9 \* 0.9

-1000 \* 0.9 \* 0.9 \* 0.9

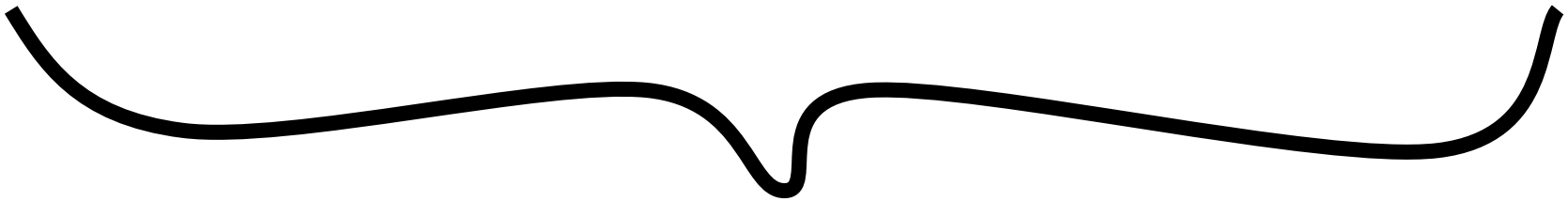
$\Delta C$

-1000 \* 0.9 \* 0.9 \* 0.9



-1000 \* 0.9 \* 0.9

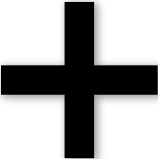
-1000 \* 0.9 \* 0.9 \* 0.9 \* 0.9



$\Delta C$

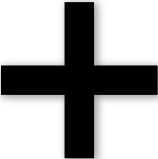
and soon.





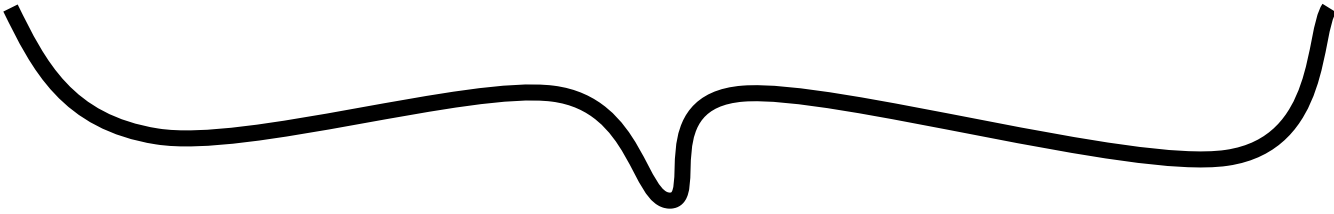


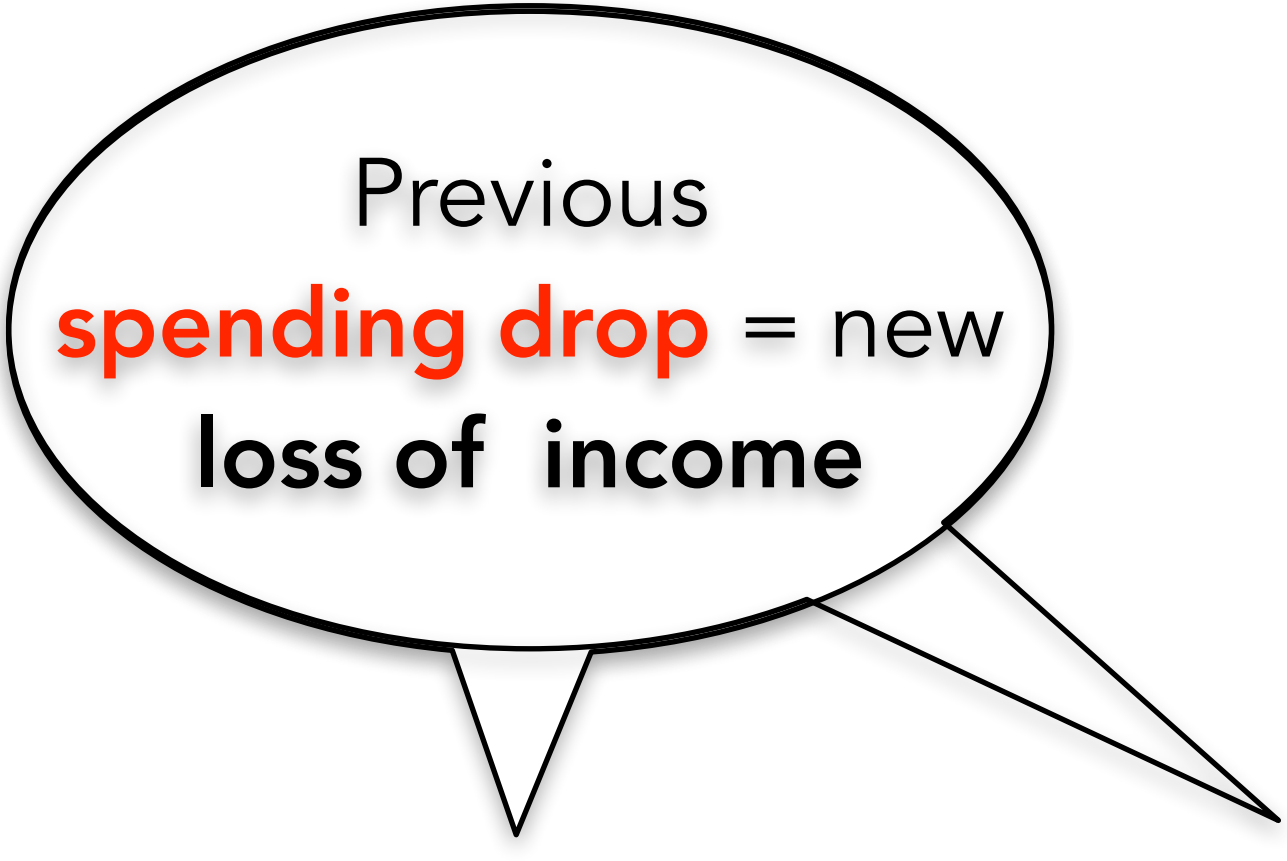












A large, hand-drawn style speech bubble with a black outline and a white fill. It has a tail pointing towards the bottom right. Inside the bubble, the text "Previous" is at the top in black. Below it, "spending drop" is written in red, followed by an equals sign and the word "new" in black. At the bottom, "loss of income" is written in black.

Previous  
**spending drop** = new  
loss of income

A large, black-outlined speech bubble with a tail pointing towards the bottom left. Inside the bubble, the text "Use the previous drop in spending as new drop in income" is written in a sans-serif font. The words "drop" and "spending" are highlighted in red, while the other words are in black.

Use the  
previous **drop** in  
**spending** as new  
**drop** in **income**

A large, black-outlined speech bubble with a drop shadow, containing text. The bubble has two small triangular tails at the bottom.

Use the  
previous **drop** in  
**spending** as new  
**drop** in **income**

To calculate the **total change** in spending and output after all rounds of the multiplier process:



$$\begin{aligned}
 & \underbrace{-100}_{\Delta a} + \underbrace{-100 * 0.9}_{\Delta C} + \underbrace{-100 * 0.9 * 0.9}_{\Delta C} \\
 & + \underbrace{-100 * 0.9 * 0.9 * 0.9}_{\Delta C} + \underbrace{-100 * 0.9 * 0.9 * 0.9 * 0.9}_{\Delta C} \\
 & \text{and so on...} + \dots
 \end{aligned}$$


$$-100 + -100 * 0.9 + -100 * 0.9 * 0.9$$

$$-100 * 0.9 * 0.9 * 0.9 + -100 * 0.9 * 0.9 * 0.9 * 0.9$$

+ ...