

100

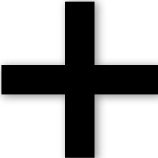
100 * 0.9

$100 * 0.9 * 0.9 * 0.9$

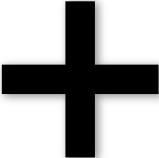
100*0.9*0.9

$100 * 0.9 * 0.9 * 0.9 * 0.9$













Factor out 1000:

1000(







9

0.92

0.93





9

4







9

5







9

6











$$\left(\frac{1}{1-0.9} \right)$$

$$\left(\frac{1}{0.1}\right)$$

=

1000

= 100 (10)

1,000

Δ Spending==

Government spends 100 and the multiplier process converts that 100 into a total of 1,000 in additional spending

Total change in spending and output after all rounds of the multiplier process:







2





h

2

n

Q







S

Q













a







U



Q

U



a









a









U

n



S







h



m m

U







no









10









S

S



This infinite sum of terms
equals:

0.9

0.94

0.95

0.96

0.97

Total change in spending and output
after all rounds of the multiplier process:

Total change in spending and output
after all rounds of the multiplier process:

$$100 \left(\frac{1}{1-0.9} \right) = 100 \left(\frac{1}{0.1} \right) \\ = 100 (10)$$

$$\Delta \text{Spending} = 1,000$$

Government spends 100 and the multiplier
process converts that 100 into a total of 1,000 in
additional spending

