## Optimal Deviation from the Samuelson Rule

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Oxtimal public expenditure. 1 - MRSgc + m x t 1 - (- J'14) 1- MRSgc - m x [1-(-v'm))] Samuelon

Spending

2 x u-u\*

(1-MRSgc)

4 elastruly of substitution Formula in sufficient pravistics. u · u \* 1 g/c - 3/c+ = 2 x m x depends on g/c:
implicat

u - u famula in pleat g/c-g/c+ - 2 \( \times \) m \( \times \) u\* (, Famula tells up how public expendeture g/c should decrate from bendmark given by Samuelson ( 1954) rule, g/c \*

U men ployment multiplier, m

m = 0 mLU (more realistic) //// 9/6 > 9/6+ g/L 4 9/c\* u- u\* L0 9/1 = 9/1 \* 3 ( megatione lus) (too right) (boom) U-u+=0 9/c = 9/c+ 9/1 = 9/1 \* (efficient) 3/6=9/1 N-n x >0 3/12 g/ct 9/c = 9/c \* 3/4> 3/6\* (too Ladi) (positive stimules) (slump) A Never of ind to deviate for samuelson

enough so as to reliminate unemployment gap: only ophimal to reduce u-u+