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Developed by Hicks

•Hicks combined the effect of multiplier and accelerator on the economy

•Combined effect of the multiplier and the accelerator is also called the leverage effect which may lead the economy to very high or low level of income propagation.

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Working of Super-multiplier

Y = C + IWhere, Y= income **C=** consumption I= investment $\Delta Y = \Delta C + \Delta I$ $\Delta C = b \Delta Y$ $\Delta \mathbf{I} = \mathbf{v} \Delta \mathbf{Y} + \Delta \mathbf{I}_{\mathbf{a}}$ $\Delta \mathbf{Y} = \mathbf{b} \Delta \mathbf{Y} + \mathbf{v} \Delta \mathbf{Y} + \Delta \mathbf{I}_{\mathbf{a}}$ $\Delta \mathbf{Y} \cdot \mathbf{b} \Delta \mathbf{Y} \cdot \mathbf{v} \Delta \mathbf{Y} = \Delta \mathbf{I}_a$ $\Delta Y(1-b-v) = \Delta I_a$ $\Delta Y / \Delta I_a = 1 / (1 - b - v)$

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Working of Super-multiplier

 $\Delta \mathbf{Y} = \mathbf{K}_{s} \Delta \mathbf{I}_{a}$

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Numerical example-

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b = 0.5
v = 0.4
\Delta I_a = Rs. 100 crore
\Lambda Y = 1/1-0.5-0.4 *100
=1/0.1 * 100
=10*100
= Rs. 1000 crore (super multiplier is 10)
Multiplier =1/1-0.5 *100
=Rs. 200 crore (because multiplier is 2)
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Table-

Period	Initial invest ment	b = 0.5	v = 0,4	∆¥ = C+V	Total increas e in Y
• t	• 0	• 0	• 0	• 0	• 0
► t+1	100	•	•	100	100
• t+2	100	5 0	4 0	90	190
t+3	100	45	36	81	271
■ t+4	100	40.50	32.40	72.90	343.90
■ t+n	100	• 0	• 0	• 0	1000

Total increase in income is in multiple amounts as compared to initial investment.

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