Shell report x Eco Tut 5 1/8 = AV

97) Let good X → Copie V 18 X 111 Y → Sandwich

For Consumer Equilibrium 51785.55 in 2 Commodity Case

 $\frac{MU_{x}}{P_{x}} = \frac{MU_{y}}{P_{y}}$

Here Muy = 2 [given]

Also, Px = 5 & Py = 3

So, $\frac{P_x}{P_y} \neq \frac{MU_x}{MU_y}$; $\frac{3}{5} \neq \frac{1}{2}$ Consumer is not at eq1b.

better when Mux should increase, this will only helpen when Mux falls, Mux will fall if consumer consumes more of good y (sendwich) due to law of DMU (Diminishing Marginal Utility)

So, consumer should consume more of Sandwiches

92] Let good X - souice l'es Y - wheat my given 2- Px=) 12 50 Mux = 2.5 Muy At eglb ? Mux = Px b So, Px = Mux x Py-192-302 = SP= 25 x128 1 bx = 30 f 93] I = 5000 U = V9192 me 40 /1= 50 p2 = 20 14 consumer spends his entire income gom I = p191 + p292 $5000 = 5091 + 2092 \Rightarrow 500 = 591 + 292 - 0$ To maximise utility function

serve ever take day to derivative test OE = 03x = 19, (500-59,) So, Income = P8QB+RQC= 600

Slote = - 609 - = 21018

u 2 will be max when U twill been max server - 1 U2 = 911 (500-591) 10x = 2.5 MUX $0 = \frac{d(u^2)}{dq_1} = \frac{1}{2} \left[500 - 10 q_1 \right]$ 91 = 500 = 50 9 xUM 10 x9 egh 0 5 92 = 500-5Q, 92 = 125 93] I = 5000 SPIPL = U 94] Dorawing graph Veing given Information Profes For Eq 12x 2 = 1005 + 1809B = 2008 PC = 12 98=20 Qc=50 test alleviels -> Income documains const PRQB = PcQc (192-002), PV = 12 ×50 = 30 So, Income = PBQB+PcQc= 600 Slope = - POB =

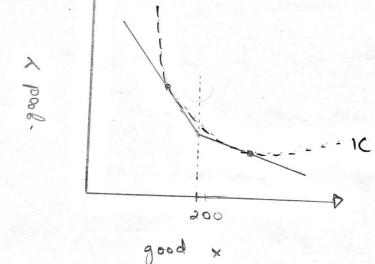
$$P_{x} = \begin{cases} 2 & Q_{n} \leq 200 \\ 0.5 & Q_{n} > 200 \end{cases}$$

Income = I = 500

Stope of Budget line =
$$-\frac{P_x}{P_y}$$

$$S = \begin{cases} -2/1 & Q_m \leq 200 \\ -0.5/1 & Q_m > 200 \end{cases}$$

tan-1(-2)=-63° tan-1(-0.5)=-26°



Yes, It is possible to have multiple Eq. Points.