$$G_{1}^{2} + T_{1}^{2} = 100$$

$$MRT: - \frac{dG_{1}}{dT_{1}} = \frac{T_{1}}{G_{1}}$$
If community conspr occurs at a pt on a line which fouches the frontier, then
$$- \frac{dG_{1}}{dT_{1}} = \frac{T_{1}}{G_{1}} = \frac{P_{1}}{P_{0}} (rel. pr.) = 0 - \cdot \cdot (2)$$

$$E_{1}^{2} = \frac{T_{1}}{G_{1}} = \frac{P_{1}}{Q_{1}} (rel. pr.) = 0 - \cdot \cdot (2)$$

$$E_{2}^{2} = \frac{T_{1}}{Q_{1}} = \frac{P_{1}}{Q_{1}} (rel. pr.) = 0 - \cdot \cdot (2)$$

$$E_{3}^{2} + T_{1}^{2} = 100 \Rightarrow T_{1}^{2} = \frac{100}{\sqrt{(1+d_{1})}} - \cdot \cdot (4)$$

$$E_{4}^{2} = \frac{T_{1}^{2}}{Q_{1}^{2}} = \frac{10}{\sqrt{1+Q_{1}^{2}}} - \cdot \cdot (5)$$

$$E_{3}^{2} + T_{1}^{2} = 100 \Rightarrow T_{1}^{2} = \frac{100}{\sqrt{(1+d_{1})}} - \cdot \cdot (4)$$

$$E_{4}^{2} = \frac{T_{1}^{2}}{Q_{1}^{2}} + \frac{T_{1}^{2}}{Q_{1}^{2}} + \frac{T_{1}^{2}}{Q_{1}^{2}} = \frac{T_{1}^{2}}{Q_{1}^{2}} + \frac{T_{1}^{2}}{Q_{1}^{2}}$$

Now MRS = pr ratio 2) Gre = 0=) Gre= OTe Replace is it in TB condi. (6): QTc + QTc = 10 V (02+1) $\frac{7}{2} T_{c} = \frac{5}{9} \sqrt{9^{2}+1}$ 1. Gc = QTc = 5 \(1+0^{-1} \) Traded gt. 8 of 2 goods are $T_{p}-T_{c}=\frac{100}{\sqrt{1+0^{2}}}-\frac{5}{0}\sqrt{1+0^{2}}=\frac{5(0^{2}-1)}{0}$ 051+02 $G_{c}-G_{p}=5\sqrt{1+\theta^{2}}-\frac{10}{\sqrt{1+\delta^{2}}}=\frac{5(\theta^{2}-1)}{\sqrt{1+\delta^{2}}}$ It of Imp 2 exp ace to value ?

O (071).