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$$1ML = \frac{\alpha}{\sqrt{3}} = .33883 nm$$

TO DESTRED GROWTH RATES AS FOLLOWS:

$$GR_{1} = \frac{1}{\sqrt{100}} \iff \frac{3}{\sqrt{5}} \cdot (0.0848 \text{ me/s}) = 0.09792 \text{ me/s}$$

$$G_{1} = \frac{3}{\sqrt{5}} \cdot (0.0848 \text{ me/s}) = 0.08683 \text{ me/s}$$

WE USED THE FOLLOWING PEO'S FROM DET TO DETAIN THE TEMPERATURE NECESSARY TO ACHTEVE THE ABOVE RATES:

$$I_{\alpha}(100) \iff Y = -2.5763x + 21.552$$

$$G_{\alpha}(100) \iff Y = -2.7641x + 21.094$$

$$G_{\alpha}(100) \iff Y = -3.4826x + 23.606$$

WHERE Y IS GROWTH RATE + X IS F(A).

TO ACHEIVE Upowith RATE OF 0.09792 mys In (100) , WE

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$$In \begin{cases} I_{n}(0.0979) m_{1k} = -2.5763 \times +11.551 \\ \Rightarrow \chi = 9.2674 = 7 \\ T_{9} = 1079.05 \times = 805.90 \end{cases}$$

TO ACHIEVE GROWTH RATE OF . 08683 MU/S TOO(100) WE

Now, FOR In ALAS KEEPSNG THE

SAME TEMPERATURE FOR IN MEANS WE HAVE A

GROWTH RATE OF .0949 MILLS FOR INDIAN ON

THE (III). AGAIN SHOOTENL FOR A TOTAL IN ALAS

RATE OF OILGALLS GIVES THE DESTRED RATE

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THIS GIVES OUR AT TEMERATURE AS

$$A_{1} \begin{cases} \int_{\sqrt{5}}^{2} \cdot \left[0.0752 \text{ m/s}\right] = -3.4926 \times +23.609 \\ \Rightarrow \chi = 7.4733 = 7 \int_{9}^{2} = 1337.2 \times = 1064.036^{\circ} \end{cases}.$$