



Part) In Terms Of  $U_0$ ; No Need To Expand Out The Relation Explicitly. Sol. We Simply Compute:  $U_1 = P_1 + (U_0)^2 = P_2 g x + G_2 x^2$  And Thus:  $V = U_1 U_0 = P_2 g x + G_2 x^2 \frac{1}{1 + G x}$  (b) Calculate  $V(x)$  In The Limits Of  $x \rightarrow 0$  (to Lowest Non-vanishing ... Mar 10th, 2024

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