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$$\begin{split} & \frac{1}{|\hat{x}-\hat{r}|} = \frac{qT}{22\pi i} \frac{r_c^2}{r_s^2} \frac{Y_{2m}(\hat{r}^2) Y_{2m}(\hat{r}^2) Y_{2m}(\hat{r}^2)}{r_s^2} \frac{Y_{2m}(\hat{r}^2) Y_{2m}(\hat{r}^2) Y_{2m}(\hat{r}^2)$$

Tr(HoG) + ETr((Z-Voc)G) + ETr(Voc m) - PC(m) + ... ETY (Zing Ging) - OPC [Mingo] +. Tr In G - Tr In Gene + Tr ( ( - wa Swan ) Grean ) + Tr ( (Eimp + Vorc) G ) - 12 Tr ( Volc G ) + . lattice (+LTV(VacMup) + ETV( Simp Ginp) - Apic [Minp] TV ln G -TV ln Geor +TV (15-40 Dam) Gran) +TV ((Eng + Vox) G) + LTV ((E-Vac)G) - LTV (Vox G) +... lettice. (+Tr(VacG)-cpoc(m) Tr(HLDAG) + ETr(ZG) - PRE +--F+TSimp = Tr ln G, -Tr ln Great + Tr ((Einp + D-un Sun) G) + ITr (EGinp) SUM! TY(HEMG) EORB: ETr(S.G)-poc[m] SUM! Tr(HLPAG) IEORB: ETr( Simp Glup) - pre [Ming] XSUM: Tr ln G - Tr ln Great + Tr ( (D-w, OD) Gen) + Tr ( (Emp + Vac) G) XEORB: ±TV ( Imp Ging) - Poc [Ming] + ± Vac Ming ) - ±Tr (Vac G) YSUM: Tr MG-Tr M Geor + Tr ( (D-Um Dan) Ger) +Tr ( (Emp + Voic) G) + LTr (E-Voic) G) 1 - 1 Tr (Vac G) X = Fimp[D] - Tr ((Eimp+Vde+D-Wm Jun) G)= X = Fup [A] - Tr((Eing + A - W. 30) G) - Pac (Ming) δX = -TV((Eig+D-wm 300) δG) + TV(ωm(300 δΔ). G) -TVCVdc δG) Should try: G=Go(G+E)G

(b) F = Tr M(-Go) + Tr M (H. E Geor) - Tr la Geore + Tr ( (D-wn Sun) Geor) + Tr ((Einp+Vor) G) + £Tr (Ein Gip) - (Dec [Mip]