$W \supset X \overline{\Phi} \overline{\Phi}, (X) = M + 0^2 F$ 9706540 Lou = Sto S(x,u) Wax Wa +h.c. + Wax Wa = 2ax 2ax holomorphic at the 1-loop level. = (S) Wad Wa on + S on had had +h.c. -> \frac{1}{4} (Wax Wax) = + \frac{Sloo}{4.51} \gamma^a \gamma^a \gamma + h.c  $M_{a} = \frac{S|_{00}}{2S|_{0}} = \frac{1}{4} \frac{X}{2} \frac{\partial S}{\partial X|_{0}} \frac{F}{M} = \frac{1}{2} \frac{\partial ln S}{\partial ln X|_{0}} \frac{F}{M}$ One can check w. S= I CR (X)R Lon = (d40 Z(X, X+) Q+Q  $= \left( 940 \left[ 2 + \frac{9 \times}{95} 0^{5} + \frac{9 \times}{95} 0^{5} + \frac{9 \times}{95} 0^{5} + \frac{9 \times}{95} 0^{4} + \frac{9 \times}{95} 0^{$  $\rightarrow \left(\frac{1}{40}\left(1+\left[\frac{z}{1}\frac{\partial^2 z}{\partial y \partial x^{\dagger}}-\frac{1}{z^2}\frac{\partial z}{\partial x}\frac{\partial z}{\partial x^{\dagger}}\right]0^{4}FF^{\dagger}\right)\Big|_{X=M}QQ^{\dagger}$ = Sd40 [ 1 + ( 2 ln Z ) FFT ] QQT : Ma = - 32 ln & Ft M 2 ln x 2 ln Xt Mt M

$$\mathcal{L} \supset \frac{1}{4} \left( W^{\alpha \alpha} W^{\alpha}_{\alpha} + c.c. \right) 00$$

$$= \frac{1}{4} \left( -\frac{1}{2} F^{\alpha n \nu} F^{\alpha}_{n \nu} + 2i \lambda \overline{O}^{n} D_{n} \lambda \right) + c.c.$$

$$= -\frac{1}{4} F^{\alpha n \nu} F^{\alpha}_{n \nu} + i \lambda \overline{O}^{n} D_{n} \lambda \right)$$

$$\mathcal{L}_{SUSY} \supset -\frac{1}{2} M_{\alpha} (\lambda \lambda + h.c.) + \dots$$

$$= Q' Q'^{\dagger} \left( 1 - \frac{1}{2} \frac{\partial^{2}}{\partial \lambda} O^{2} F \right) \left( 1 - \frac{1}{2} \frac{\partial^{2}}{\partial \lambda^{r}} \overline{O}^{r} F^{\dagger} \right)$$

$$= Q' Q'^{\dagger} \left( 1 - \frac{1}{2} \frac{\partial^{2}}{\partial \lambda^{r}} O^{2} F \right) \left( 1 - \frac{1}{2} \frac{\partial^{2}}{\partial \lambda^{r}} \overline{O}^{r} F^{\dagger} \right)$$