SUSY ALGEBRA Graded Lie algebra of grade n=1

 $L = L_0 \oplus L_1$ with L_0 =Poincaré and $L_1 = (Q^I_{\alpha}, \bar{Q}^I_{\dot{\alpha}})$ $\begin{array}{ll} [P_{\mu},Q^I_{\alpha}] = & [P_{\mu},\bar{Q}^I_{\dot{\alpha}}] = 0 \\ [Q^I_{\alpha},M_{\mu\nu}] = & i(\sigma_{\mu\nu})^\beta_{\alpha}Q^I_{\beta} \end{array}$

 $i(\bar{\sigma}_{\mu\nu})_{\dot{\beta}}^{\dot{\alpha}}Q^{\dot{\beta}I}$

 $[\bar{Q}^{\dot{\alpha}I}, M_{\mu\nu}] =$