$$= \sum_{i=1}^{n} \left[\int_{A_{i}}^{a} u_{i} u_{i} + n_{i}^{\dagger} u_{i} \right]^{+}$$

$$= n_{2}^{+} u_{2}^{+} + n_{2}^{-} u_{2}^{-}$$

 $=n_2^+u_2^++n_2^-u_2^-$

 $= [[u]]_2$



- $u_1^- = u_2^+$ $u_2^- = u_1^+$ = n_{1}^{+} = n_{1}^{+}