P26. Show  $\int_{\mathcal{A}} \chi_{\mu}(8) \chi_{\nu}(8^{-1}h) dg = \frac{8_{\mu\nu}}{n_{\mu}} \chi_{\nu}(h)$   $2HS = \int_{\mathcal{A}} \sum_{i} M_{i}^{\mu}(8) \sum_{j} \left[ \sum_{k} M_{jk}(8^{-1}) M_{kj}(h) \right] dg$   $= \sum_{ijk} M_{kj}(h) \int_{\mathcal{A}} M_{i}^{\mu}(8) M_{kj}(8) dg$   $= \sum_{ijk} M_{kj}(h) \frac{1}{n_{\mu}} \delta_{\mu\nu} \delta_{ik} \delta_{ij}$ 

= Spr Z Miller = Spr X, (h)

P17 see Moore's leave notes.