Derivation of GAY-BT variations Arsume OM ise timeliha. The hospital. Now we vary grandgra. Variation of Fig: g = gorb Aab where Aab are the (signed) subditionisms. Eg = Sgab Aab. Now gab = 1 Aab so Squa = Sgab ggab =) $\delta (-g)^{-\frac{1}{2}} = -\frac{1}{2} \delta g (-g)^{-\frac{1}{2}} = -\frac{1}{2} (-g)^{-\frac{1}{2}} g g^{ab} \delta g^{ab}$ = 2 1 - g g ab J g ab

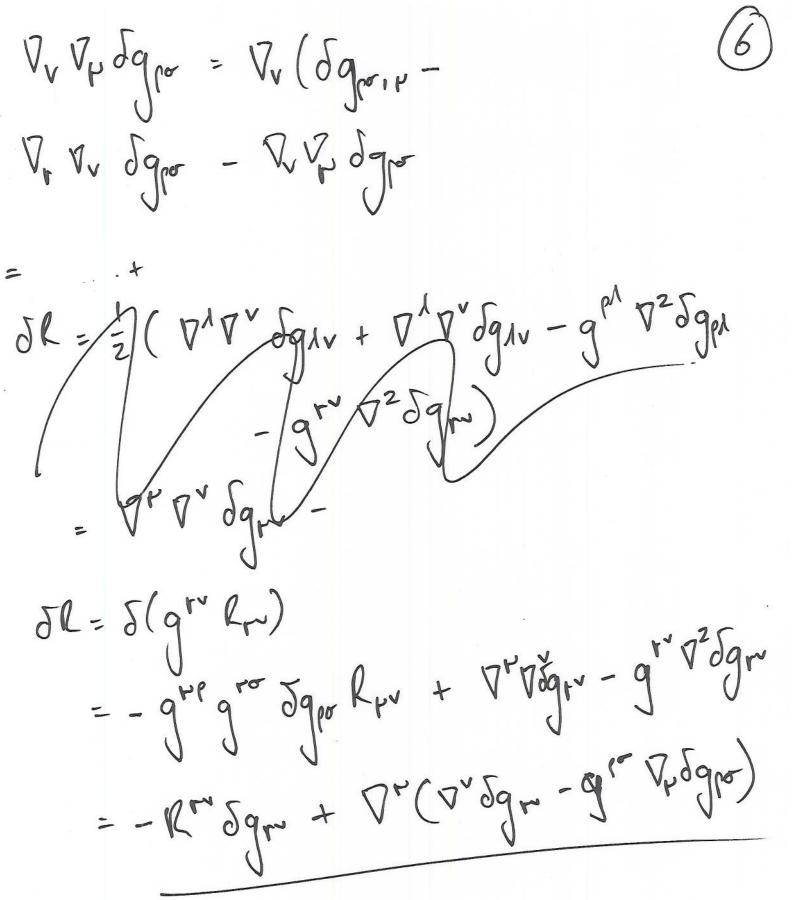
Sku = 5gl Kr hu = 5°p Rt, Kvo= 5° Rvo

$$\int_{\Gamma^{0}}^{\Gamma^{0}} = \frac{1}{2}g^{\mu \lambda}\left(g_{1\rho,\sigma} + g_{\lambda^{0},\rho} - g_{\rho^{0},\lambda}\right)$$

$$\int_{\Gamma^{0}}^{\Gamma^{0}} = \frac{1}{2}\delta g^{\mu \lambda}\left(g_{1\rho,\sigma} + g_{\lambda^{0},\rho} - g_{\rho^{0},\lambda}\right)$$

$$\lambda_{OW} \quad \int_{\Gamma^{0}}^{\Gamma^{0}} = \frac{1}{2}\delta g^{\mu \lambda}\left(g_{1\rho,\sigma} + g_{\lambda^{0},\rho} - g_{\rho^{0},\lambda}\right)$$

$$= \int_{\Gamma^{0}}^{\Gamma^{0}} = \int_{\Gamma^{0}}^{\Gamma^{0}} g_{\lambda^{0}} \int_{\Gamma^{0$$



8 SIEN & Sudix J-g & igtedgrum-Rrogm} + Small Ing Program-go Vrogram) suferce to. First for gives R* - 2 9 R = 0 =) Rm - 1 gm R =0

(where feets nearly to be carelled if action is to be truly stationery.