

 $\nabla_{\omega_3}(5) = \nabla_3(L(\hat{\gamma_1}) + \lambda \mathcal{N}(0))$

=
$$\nabla_{\omega_3}(L(\gamma_1\gamma_1)) + \lambda \nabla_{\omega_3}(\Omega_{CO})$$

= $\nabla_{\alpha_3}(L(\gamma_1\gamma_1)) \nabla_{\omega_3}(\alpha_3)$
 $\frac{\partial L}{\partial \omega_3} = \frac{\partial L}{\partial \omega_3} + \lambda \nabla_{\omega_3}(\Omega_{CO})$
 $\frac{\partial L}{\partial \omega_3} = \frac{\partial L}$

1114 <u>JL</u> = <u>JL</u> <u>Jas</u> = f(asx)9 Vbs(ws Th +bs)

keep applying Choin rule