Problems 1) Chain rule states that the map difo dib -> dif(6) Let 2+ land in Spectra; it is lax monordal. Fact On takes fiber sequences of functors to fiber sequences of spectra. let F=Hom(X,-), G a reduced finitary analytic functor. (a) Reduce chairs rule for such f to the case of Hom(VS', -)(b) Reduce Hom (VS',-) to Hom (VS',-) (1) Prove chain rule for F= Hom(VS?,-) (harder) (d) Suppose F satisfies $\int (x) \cong (\dim_{Y \in Top} F(Y) \cap Hom(X,Y) (x)$

Prove chain rule for F. Fact We can extend the chain rule for such functors to all functors by cofibrant replacement: cofibrant functors satisfy (+) 2) Let $f_m(x) = \chi_n \chi_n \cdot n \lambda$ (a) Compute 24Fm (b) (ompute $(\partial_* f_m) \circ (\partial_* f_n)$ (C) Show the chain rule holds for $f = f_m, \ G = f_n, \ F_0 = f_{mn}$