Ex

1) Show that the algebra:

$$\begin{aligned} \mathrm{Disk}_1 &\longrightarrow \mathrm{Ch}_{\mathbb{R}} \\ \mathcal{U} &\longmapsto \mathrm{Sym}^{\bullet}(\Omega^{\bullet}_c(\mathcal{U})[1]) \end{aligned}$$

factors as

$$\mathrm{Disk}_1 \xrightarrow{\pi_0(-)_+} \mathrm{FinSets}_* \xrightarrow{\mathbb{R}[-]} \mathrm{Ch}_{\mathbb{R}}$$

ie. it's equiv to a poly. algebra.

2) Use Quillen's Theorem A to show that

$$\Delta^{inj} \hookrightarrow \Delta$$

is final. Right down some consequences.