

ABSTRACT. We establish versions of the Snake Lemma from homological algebra in the context of topological groups, Banach spaces, and operator algebras. We apply this tool to demonstrate that if $f : B \rightarrow B'$ is a quasi-unital C^* -map of separable C^* -algebras, so that it induces a map of Corona algebras $\bar{f} : \mathcal{Q}B \rightarrow \mathcal{Q}B'$, and if f is mono, then the induced map \bar{f} is also mono.