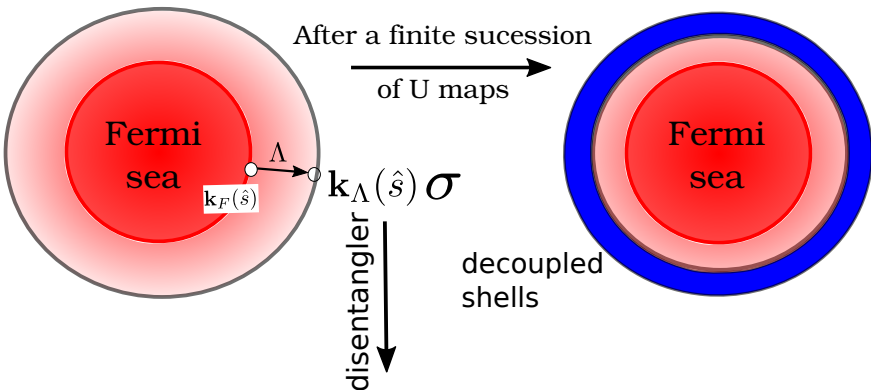# Unitary RG Algorithm

$$U_\Lambda = \prod_{\hat{s},\sigma} U_{\Lambda,\hat{s},\sigma}$$

This disentangles all electronic states $|\mathbf{k}_{\Lambda\hat{s}}\sigma\rangle$ on shell Λ