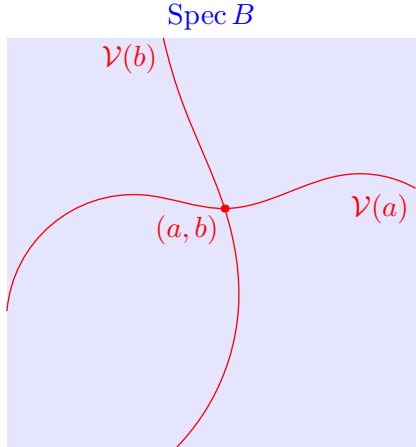


$$\mathcal{O}_U(U) = k[x, y]$$



$$\mathcal{O}_{\text{Spec } B}(\text{Spec } B) \cong k[a, b]$$