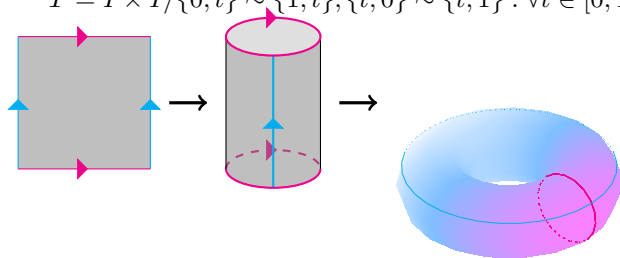$$T = I \times I/\{0,t\} \sim \{1,t\}, \{t,0\} \sim \{t,1\} : \forall t \in [0,1]\}$$

$$K = I \times I / \{s, 0\} \sim \{s, 1\}, \{0, t\} \sim \{1, 1 - t\} : \forall s, t \in [0, 1]\}$$