$$X \text{ sempl conn} \Longrightarrow X \text{ cpa}$$
 $Y \text{ continua}$ 
 $Y \text{ continua}$ 

$$X$$
 sample con  $\Longrightarrow$   $\pi_{1}(X) = \{e\}$ 

$$X \text{ semp}/\text{ conn} \implies X \text{ cpa} \implies \pi_1(X,x) \cong \pi_1(X,y), \forall x,y \in X \implies \pi_1(A) \cong \{e\}$$

$$A cpa$$
 $\pi_1(A) \cong \{e\}$ 
 $\Rightarrow A sempl connesso$