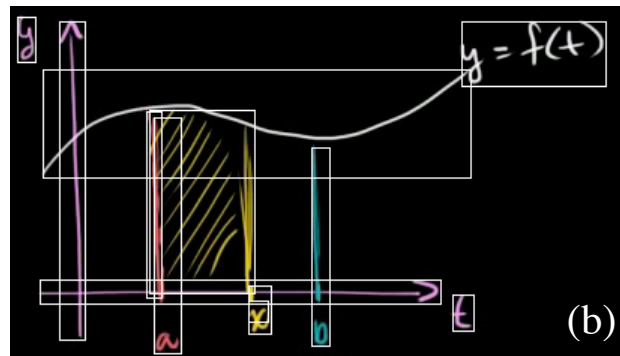


(a) $\int x^5 dx = \frac{x^{5+1}}{5+1} + C$
 $= \frac{x^6}{6} + C$



(c) If $S \cap T = \emptyset$, S and T are called disjoint