Homework - 46;

a)
$$(A \cup B) \setminus C = (A \setminus C) \cup (B \setminus C)$$

$$|A_{A \cup B} \setminus C = |A_{A \cup B} \setminus C| = |A_{A \cup B}$$

AnB = Ø => CAUB~ CA×CB A B = |A|+|C| $C^{AnB} = \{f: AnB \rightarrow C\}$ $C \times C = \{(g: A \rightarrow c) \times (h: B \rightarrow c)\}$ f = (a, c,). (a, c,), (b, c'), (b, c') | \(\frac{1}{2} \) \(\frac{1}{2} \) \(\frac{1}{2} \) \(\frac g = {(a, c,) ... (a, c,) | Yssisn a; eA, c, el3 h = [(b, c,), (b, c,) | \tisisn b; \in A, c; \in Cf Torga cywecobyet Suenyus f - g xh => CAUB~ Cxc #2 $\forall A P_1(A) \sim A$ Xorum: f: A - P(A) - Suekyus $f: x \mapsto \{x\}$ (*) $\forall x_1 \neq x_2$ $f(x_1) = \{x_1\} \neq \{x_2\} = f(x_2) = f - unserrubna$ Pacemorpum $g: P(A) \rightarrow A$ rorga g'=fT.K. BENDAMENO (*), TO VIX, S + IX, S X, FORGE 9 - UNBERGULAR => nonyunn Suekyum metgg A u P(A) => P(A) ~ A.





