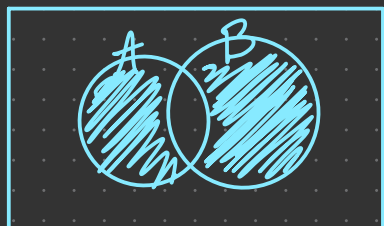


B.S Let $A \Delta B =$ the set of elements that are in exactly one of the 2 sets.



(a) Express $A \Delta B$ in set notation

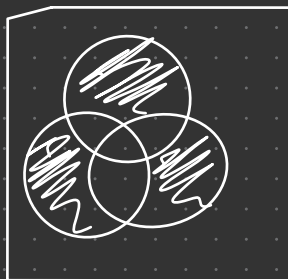
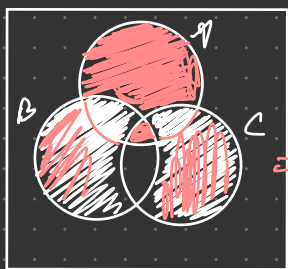
Solⁿ

$$A \Delta B = (A \cap B^c) \cup (B \cap A^c)$$

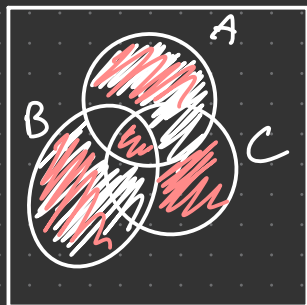
(b) Show that $A \Delta (B \Delta C) = (A \Delta B) \Delta C$

Pf.

LHS



RHS



\parallel

✓ g.e.d