From sine rule, ay = b/ = C/ = k. Form LiH-S Bbc = k2 sinB &mc albto Ksing + Ksing) = SMB SMC 8 MASINB+ 8 in ASINC Involing by sin & sin & is both numerator and denominator $= 1/8 \sin A \left(\frac{1}{8 \sin A} + \frac{1}{8 \sin A} \right)$ = /sina (cosec c t cosecs) sosece t cose & B putting A = (TI-(Btc)) = sin(11-CB+c) cosec€+ cosecB = sin(al8to) cosece t cosec b

= 1 Sin(Btc) cosecic tcosecB. = cosec(btc) cosecet week

