Coshe lule:  $C^7 = a^2 + b^2 - 2ab\cos\theta$ 0 11-5 12 = | 11 12 + | 5 12 - 21 1 1 1 st cost ( (r-5) (r-5) = r.r - s.r - s.r - s. (-5) = |r|2 - 2s.r + |s|2 Int + let /2/11/15/caso = let /2s.r + let Irlisicosa = S.r Dot product is helling us how much of Veclor A is gold in the same direction as Vector B. 47 Say few telore Q = 90° Cos 90°= 0 5 S.r = 0 No part of each vector is going in some direction.

COSO'= 1

Sor= | r | s | Both of them are fully

in the some direction.