

@ energy intially Stored in Series Capacitors=7 Want = = = ( V2+ = = = = (2+156)(5)2+(8+156)(25)2 = [25254] Win = 2525MJ) # (5) (F) W = (-W ) + Waid = 2525 - 320 = [205 MJ] Trypped = 2205 MJ # 6 (9) Wypped = \frac{1}{2} C\_1 V\_1^2 + \frac{1}{2} C\_2 V\_2^2 = \frac{1}{2} \left( (2\*156) (21)^2 + (8\*156) (-21)^2 \right] = 2205) W = 22.5 MJ # P -uhich agree with answers obtained in (P)



