Group Work 2 EMAG Kegn St. Sind 17, VSUR 2/8:n=1+0.6j - [= 1.0+0.6j] yin= 1+0.6j => yin=0.7353-j0.4411 -> 0.74-0.44j d = 3.1m = 71.552  $r = \frac{2z - 2z}{2z + 2c} = \frac{(50 + i30) - (50)}{(50 + i30) + (50)} = \frac{i30}{100 + i30} = \frac{100 + i30}{100 + i30}$  $H = 0.287 e^{1.279i}$   $I + H = 1 + 0.287 e^{1.279i} = VSWR = 1.8064$   $VSWR = 1 - H = 1 - 0.287 e^{1.279i}$ 21/2 = 1.8064 Zin = 1.5+j0.6 2.85 JO. 129. 5 200 100 13) 80 8 0.25 m b) 0.25 = 0.1257 witg Zw (025) = 1.9 + 6.3j C) stop batch & July & Stay 

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c) Stud matching  $ystub = 1 \pm 0.95j$ , ds = 0.4 + 0.161 = 0.5612 ds = 0.34 + 0.161 = 0.4612 = 0.5012ystub = 1+0.95; and : 0-j0.95 legath : 0.371) 984 = 1-0.95j meters: 0.742 0.258 m Stut / Stub = 1-0.95; , do = 0.258 m

