22/09/23 ASSIGNMENT 2 ...

bor Notrable to be stable by R. 2100Rs.

of terms you const to appear still P. S. J. Ps

RL 5 100 x 50 x 106.

RL = 5 x105 1

3.) R=0.1-2 i=5A voltage d-op3 v=iR v=0.1x5 v=5v

2.) ] {RS } RL

4.) Exp & Red = 250 × 10
250 dio

3 1250 x1/2 3 Peq : 9.612

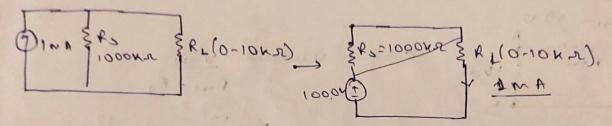
R\_ S\_100 Rs.

10x103 5 1 × 250×103. \$ 10×103 \$ 2500

builties ton eva 424 vod noitibnos. therewas blite ton 2111 02

5) For stiff emount Ps 2100 RL Rs 21000 KR

Main value of Rs should be 1000 KR



PROPER XS = ZMA

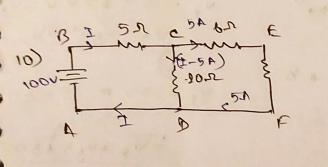
1010KN xJ: 10000000 x J = 1, x10-3.

J=10-3×0.99 & 9.9×10-4

6.

36V. ] 3K & PRISIKA R+H = 6x3 : 24 : 2KR 16 V source is decreased to 12N RTH = 2KD I Rim & Iva dood current 1/14 Rim & Iva Rim & d 12 d 12 d 321000 32103 8) 4x10-3 A 3 umA 8.) I norton = VTH = 12 = 6 M A 6 4 5 0 x 3 = 18 = 5 MV 5-2 6-2 5-2 6-2 vorion's circuit.

In reutors theorem



100-51-20(7-5)=0: 100-51-201-10000 1-8A

5 100p ABEF :-

11) (5-71) 8r (5-71) 8r (5-71) b

48U-6(5-I1) -12I, =0348-30 -6 En +12[,=0.

(-ve mean opposite din)

np+ 88 - 9 (0 - (-1)) -1 -81 = Aa UB+48-610) = Va : 00-00= 274 048-36012V 8m= 13.6 +8 9 24.62 74.8= 12= 8 Th Therin's circuit 100 FAREIDA 00.01/00 12. B C 10-2(0-51) 20 30V 82 100V = \$52 233 [11/4 www. 100V = \$52 4026 (420A) (00-1:5) (00-21) 20 f 14-300 \$80 W 2 Ug NF-18=1100 NT-30 N 4 180-100 tup 408 2 2001 5r doop CD an: - 512 - 10(50-11) 440T1=0 - 215 - 500 410 I' + 40 T'=0 101,-12=40 --- 0 Un 100p ABCH! 100 4 & I 5 = 0 3 -100 = I 3 3 I 5 [[2=-20A] From eq 1/2 we get 107,-(-20)=40, [], 2H 102,420:40 RTH = 10 x40 +8 · 400 08 2162

7 Numerius circuit [ mu a hon ] hon ] hon ] b

VB-40(2) ~30 +8(X)= Va VB-80~30=Va> VB-Va=50V VB-Va-VaH=50V.

1 4 1 10 0 10