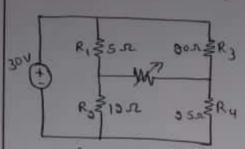
Circuit challenge [Simulation]

VATHSALAL & HALISECOST

-> Max. power transfer:



Discounced the load registeric from the sol Risser sons R3 load terminally a 4 b To reproper the given ckt as The venin's equivalent we Ros 10.00 350 R4 have to determine Vth 4 RTH

The therein's voltage @ voltage acres the terminal AB & VAB=VAVB

Va =
$$V \times \frac{R_0}{(R_1 + R_0)} = 30 \times \frac{19}{(5+12)}$$
 $V_A = 31.7 V$
 $R_1 \neq 3.2$
 $R_2 \neq 3.2$
 $R_3 = 30.2$
 $R_4 = 35.2$
 $R_4 = 35.2$

$$V_{B} = V \times \frac{R_{4}}{\left(R_{3}+R_{4}\right)} = \frac{30 \times \frac{85}{\left(30+35\right)}}{\left(30+35\right)}$$

. To calculate RTH: By treplacing source with their internal sugistance.

to load Re. y ,

