S104 5:291 JL 10 21042:291 JUIL ATIM + inolis A a limited amount of energy, which circuit would run longer? Check yourselt; It you had a voltage source with 7 - 0001 Power consumed Power consumed to some consumed to resistor eyche resistois and graph the results below: Find the equation for the power consumed by V TITI VI=9 The power consumption of rd novig si transques si AS DVOI In this question, we're going to explore why we 10V = SIR LOV (2) Soth voltages Voi and Voz Below we have 2 voltage dividers: Yight somet

2 2005 (F) AOI Itet's look at another circuit.

2001 by the walt as 105; 2101 210 110 oft offi

wired? You can think of all the appliances you plug

parallel circuit? How do you think your home is

you rather place it in the series circuit or

for each resistor and graph the results below. Ignore Tust like before, find the equation of power consumption

Monter consumption

10/2/201 2002 to 15/100 What happens when R=0

A 10/2:201 40

(hech you's elt: Imagine you 5002 (15h+bulb. Would

1 = 49V 1 1 5 40 4 50 V 66 When 21 40AV What is the voltage Vob when is tohw 3000. Otherwise it stays above 24.D. Nyan passes between the light and photoresistan of our to Tart Paps) the resistance goes down to The resistor labeled R is a photo resistor. Whenever 99/ The next thing you do is build as sensor like so: Whenever the device has a 10 V drop across it. automatically spicity water near your Taxt Pops and you're able to tigure out a way to Nyan deesn't like being spiayed with water to eat for breaktast, lunch, or dinner. You know winton Atim noy pring you with nothing Your cat, Nyan, Keeps finding a way into Cats and Keyboords

Volue and make it into a love ond make it into a low class. Essentially, invertors take in You might see in a digital electronics very similarly to an inverter as This Kind of circust behaves (optional) Graph what Ver would look = 4 sholitoutis (i.e. Vign =10) and sets Vean to OV in other which couse spiny when Nyan is in the way Let the Volues of the ond Vote / tan What is the equation of Vean in terms of Vbb, THE WAS ASSESSED. differential amplifier (; like below: In order to sproy Nyan, your choose to userd

rot gurus Draw the Terminals. describes, the relationship between I and Vat the IV curve for the circuit which : T = 1:001:0

2 Mins Thevenins

Let's represent each circuit as a box:

(cirty

by

Circy

How would the IV cuve of this circuit look?

Think about how the slopes x-intercepts and

Think about soft the first scienits should

interact

int

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