Ebn = 1 R 1 C (Y2-V1)2 Ro - s High a resonance will be more efficient The wolf was the Evers = T RC 1 C (V2-V1)2 if the >> RC, leas loss than V-sre charging if the >> RC, V-sre charging equations don't apply

Also may violate high-7 appear To 2 2.5

Capacitor Charging: Cap-Cap

$$V_{0} = V_{0} = V_{0$$

 $\frac{1}{2}C(V_2-V_1)^2 \left(1+\frac{c}{c_s}\right)$ if $c_s >> c$, same as V-sre changing

through

if $c_s >> c$, higher loss than V-sre changing

if $c_s >> c$, higher loss than V-sre changing

if $c = c_s \Rightarrow c_s > c$

Comparison of Capacitor Charging

for C charging from V, to V2 in time te

Voltage Source

Current Source

Cap - Cap

+c(4-4)2

1 C (V2-V1) 2 PRC

1 C (V2-V1) 2 TERC 1 c (4-4) = = I

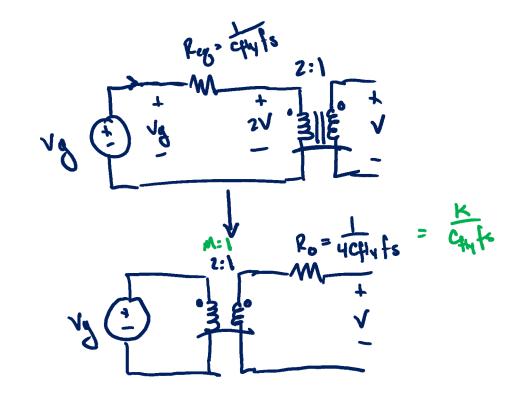
10 (V2-V1)2 (C+1)

Accumptions tess RC = T

High-Q resonance so state plane solution
applies P. >> P

2:1 SC Revisited

Equivalent Circuit Model



- · No regulation possible except losses
- · Fer high 7, want small Ro - 1 Cfly & 1 fs
- · For te >> RCfL
- o as bry as above to the,

 R = 2 run + 55Re 1 Rpor

 down affect 7