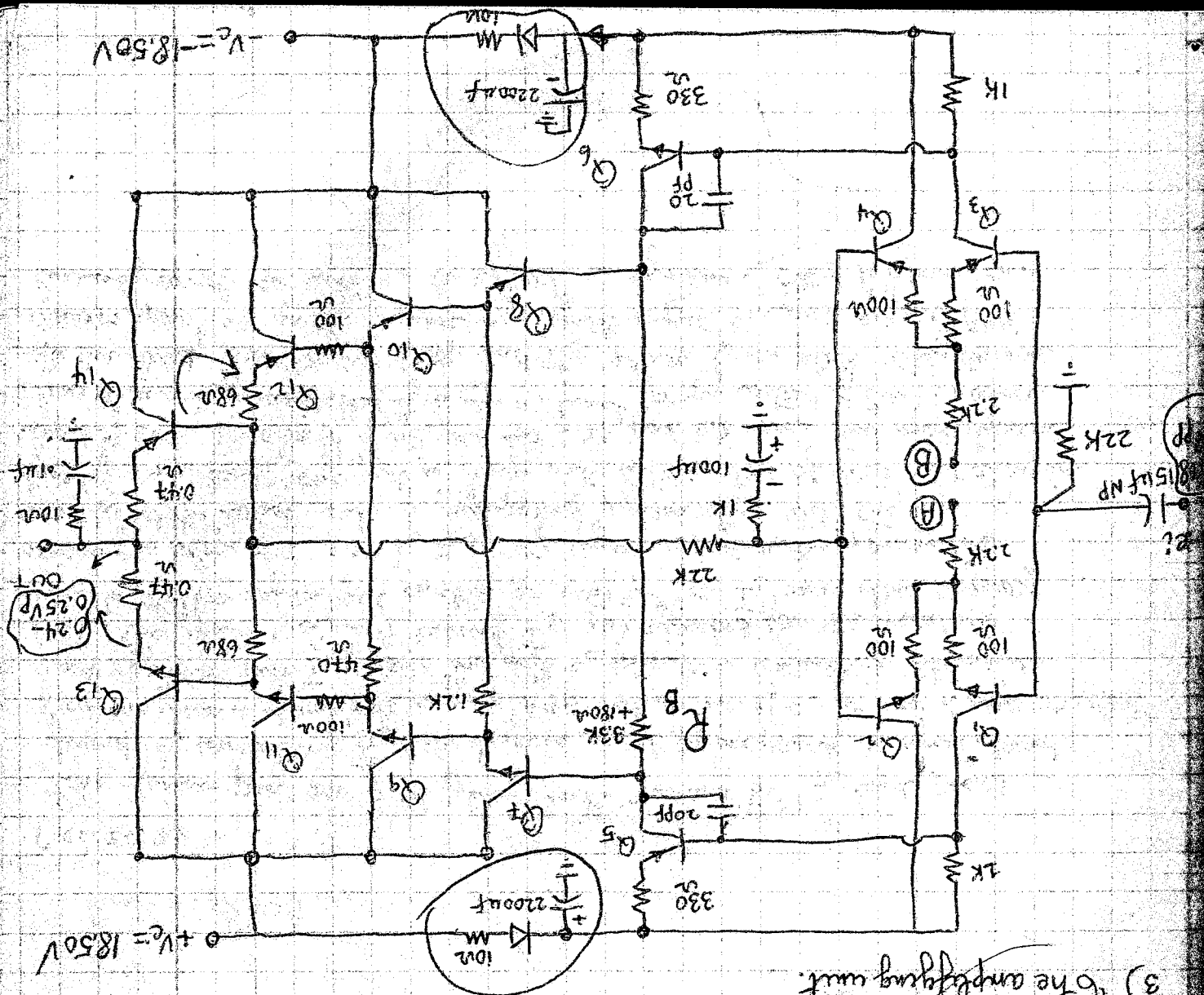


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3) the amplifying unit.



Amplifying unit. Output Zetel of $10\mu + 0.1\mu f$ needed to prevent spontaneous oscillation. Because the amplifying unit is a dynamic class A unit and draws substantial current as function of the signal e and B, the voltages at the rails will drop in response. The 10u, due to and zero u f cap (circled) ensure that rail voltage to the voltage amplifying unit (Q_1 thru Q_4) remains as high and constant as possible of high current demand (dynamic class A) from the power supply is encountered.

Signal applied: with input 15u f N P in circuit (circled in red)

$e_i = 0.18V_{pp}$
 $e_o = 0.07 - 0.08V_{pp}$

(A) - 5.58V Quiescent and -0.37V_P, (B) + 5.58V Quiescent and +0.37V_P

Output signals without input 15u f N P cap connected
 $out_{4u} = 0.24V_{pp}$
 $out_{2u} = 0.25V_{pp}$ (no load resistor)

and V_{out} with input 15u f N P cap and 4u load resistor
 $V_o = 4.1V_{pp}$