PART 5: (FIG 3) * BECAUSE THE REFELENCE CURRENT HOLDS VBIASZ FIXED, THE SOURCE VOLTAGES OF MZ & M3 CANNOT CHANGE LIKE IN PART 3. THUS THE CURRENT THROUGH M, WILL BE MUCH MORE STABLE. USING PALAMETERS FROM PART 4: -Vovo IREF = = (W)4 (VBIAS 2 - ZSJIREF - VEh) (w) 4 = ZIEVF B(VBIASZ-ZSJIEVF-VEh)2 2 ILEF B (25 JIREF + VEN-VEL) 625B IREF (=)4=10 => W4=2.5 am Ly = 0.25 Mm

PART 6 (ADD. CREDIT) Var = 25/2] exp VOIAS2 = 25/2 JIERF + VEN + 25/JERF 1 VBIAS2 = 60.35 JIEF + VEh IREF = \frac{B}{2} (\frac{W}{L})4 (k1ASZ - 25) \overline{\text{Text}} - Veh)2 (= 2 -leer B (35.35 Flore)2 1(w) 4= 5 W4=1.25um Ly = 0.25 um