Galcul aurent alternation:

Add = qm1 (rbe4 || ro3 || ro2) = qm1 \frac{702.703 + 702.42beq+ 703.7beq}{702.703.7beq}

= 21. \frac{83.33^2 + 83.33.35 + 83.33.45}{83.33^2. \frac{1}{15}} = \frac{1}{15}4.7

Aec = -9mt (P = 11 - P =

Acc = -gm = (R sursa | | r beg | | 2 beg) = 448 (20.20+20.400+20.400)

A push-pull=1 $Av = A d d \cdot Aec \cdot A \text{ push-pull} = -19,27$ $Ri = Ridd = \frac{Vi}{5i} = 250 \text{ M}\Sigma$ $Ro = Ro \text{ push-pull} = rds_8 || rds_9 = \frac{62,5 \cdot 41,42}{62,5+41,12} = 33,33 \text{ k}\Sigma$ $Ai = Av \cdot Ri \cdot \left(-\frac{1}{RL}\right) = -19,27 \cdot 250 \cdot \left(-\frac{1}{20}\right) = 240,87$