Gleichgewicht:

Q = 0.34\*1e6;

Cin = 320;

Qex = 0.5\*1e6;

V\_E = 50\*1e6;

V\_H = 100\*1e6;

0.34\*1e6 \* 320 / (50\*1e6) + C2 \* 0.5\*1e6 / (50\*1e6)

- 0.34\*1e6 \* C1 / (50\*1e6) – 0.02 \* C1 – 0.5\*1e6 \* C1 / (100\*1e6) = 0

0.5\*1e6 \* C1 / (100\*1e6) – 0.002 \* C2 – 0.5\*1e6 \* C2 / (50\*1e6) = 0

-> C2 = 5 \* C1 / 12

0.34\*1e6 \* 320 / (50\*1e6) + 5 \* C1 \* 0.5\*1e6 / (12 \* 50\*1e6)

- 0.34\*1e6 \* C1 / (50\*1e6) – 0.02 \* C1 – 0.5\*1e6 \* C1 / (100\*1e6) = 0

-> C1 = 78.74 -> C2 = 32.81



