Monday, February 10, 2020 10:49 PM

1: a) R= \old \(\lambda \) \(\lamb R. 1062 2062 . 3.3V . (1.65V b) R:10126 (200 (200x - 1 303.18) . 7863.4 10/2x 3.30 - 1.560 C) R: 1682 C 4300 (29818 - 306.15) : 68602 1062 .3.30 : (1.96V) 1.65 V , 4095 (2048) b) 1.850 . 4095 . (2296) c) 1.964, 4095 : 2432 3: X 4696 , Q184, 3.30 = 1.763V = minima voltyc 3189.3.30 : 1.764V = marximum

HW 3.3

Jamp for writing Polyse: 1.763V = 3.3V. 1022 10kx + R 1.7630 (10kn+ P) = 10kn G. 534 (1012+R) = 10 22 0.554R= 4.6612 0.534 0.534 R: 8.727 12 D: 10kne-4300 (1/218.15-1/2) : -4300 (11298.15-1/4) -4300 = 1/298.15-1/+ -1/298.15 -1/298.15 -0.00332 = -1 0.00332 (300.992 Helvin: +

4:

Temp for mux udt-gr:

$$\frac{1.764V = 3.3V \cdot \frac{10kx}{10kx+R}}{10kx+R}$$

$$\frac{1.764V \left(10kx+R\right)}{3.3V} = 10kx$$

$$\frac{0.535}{0.535} = \frac{4.65}{0.535}$$

$$\frac{R:9.692 kx}{0.535}$$

$$\frac{R:9.692 kx}{10kx} = \frac{4360(1/298.15-1/4)}{-4300}$$

$$\frac{-4300}{3.260.10^{-5}} = \frac{1/298.15-1/4}{-1/298.15}$$

$$-0.00332 = \frac{1}{4}$$

$$\frac{1}{0.00332} = \frac{1}{4}$$

$$\frac{1}{0.00332} = \frac{1}{4}$$

5. The resolution would go from 4096 to
1024 which is the aprilant to a redoction
of 3/4 from 4096.

6. The resolution would remain the same because the comparison of resistence and voltage is proportional with 3.30 to 50 and any other voltage.