## Image Compression

Run Length coding & Bit Plane coding



Run Length coding Background Pixels (0's) N 256 foreground pinels (1's) How wany Pixels what intensity 2nd by te 1's+ byte 0000000

Bit Plane Coding

$$m_{7} \times 2^{7} + m_{6} \times 2^{6} + m_{5} \times 2^{5} + \dots + m_{0} \times 2^{0}$$

$$127 = 0 \times 2^{7} + 1 \times 2^{6} + \dots + 1 \times 2^{0}$$

$$128 = 1 \times 2^{7} + 0 \times 2^{6} + \dots + 0 \times 2^{0}$$