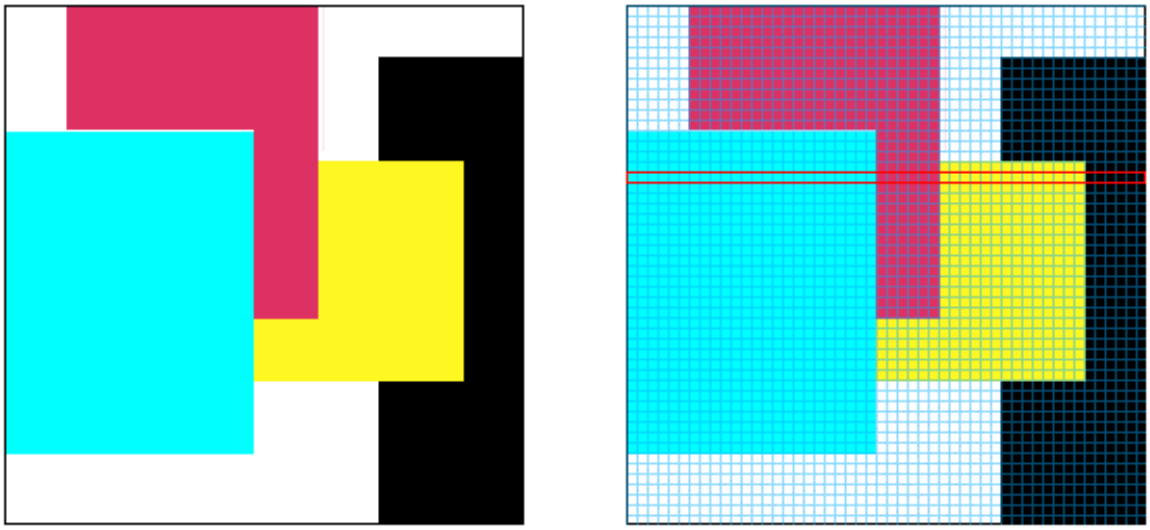
GIF Image Run-Length Reduction



A

B

= C = M = Y = K

C

C C C C C C C C C C C C C C C C C C C C C C C C M M M M M M Y Y Y Y Y Y Y Y Y Y Y Y Y Y K K K K K K

D

24C 6M 14Y 6K

E 24C 6M 14Y 6K

The original image (A) is divided into scan lines (B) and the pixel patterns analyzed line by line. Any repeating pattern (C) is compressed by reducing it to a single pixel and noting how many times it occurs in the line (D). The line is then expressed as pairs of counts and color values (E).