

$$n = (m - 1) \times S - 2 \times P + D \times (K - 1) + P_{out} + 1 \quad (1)$$

$$n = (m - 1)S + K \quad (2)$$

$$K' = (K - 1)D + 1 \quad (3)$$

$$n = (m - 1)S + (K - 1)D + 1 \quad (5)$$