n= 00001111 00111001 00110010 00000000

n>>3 00000001 11100111 00100110 01000000

& 1 00000000 00000000 00000000 00000001

leftBit= 00000000 00000000 00000000 00000000

n= 00001111 00111001 00110010 00000000

n>>24 00000000 00000000 00000000 00001111

& 1 00000000 00000000 00000000 00000001

rightBit= 00000000 00000000 00000000 00000001

leftMask= 11111111 11111111 11111111 11110111

rightMask= 11111110 11111111 11111111 11111111

n&leftMask= 00001111 00111001 00110010 00000000

n&rightMask= 00001110 00111001 00110010 00000000

n|rightBit<<3 00001110 00111001 00110010 00001000

n|leftBit<<24 00001110 00111001 00110010 00001000