R

38	38	42	43	29	26
60	67	87	108	120	109
31	27	29	46	92	113
51	62	109	123	118	129
39	49	64	89	107	93
13	11	9	7	30	44

G

55	58	61	56	49	49
80	89	126	162	189	179
29	33	37	59	105	129
36	39	88	100	97	113
49	54	67	94	108	93
15	15	14	11	34	48

B

34	36	36	32	32	32
60	66	94	110	116	115
31	36	39	45	71	80
19	21	31	40	68	77
36	41	48	73	87	73
13	13	13	11	33	47

1. Grayscale

$$G = \frac{R+G+B}{3}$$

$$G = \frac{38+55+34}{3} = 42$$

Biner

IF $G <= 128$

$G = 0$

else $G = 255$

$42 <= 128$

$G = 0$

2. $G = \frac{60+80+60}{3} = 66$

$66 <= 128$

$G = 0$

3. $G = \frac{31+29+31}{3} = 30$

$30 <= 128$

$G = 0$

4. $G = \frac{51+36+19}{3} = 35$

$35 <= 128$

$G = 0$

5. $G = \frac{39+49+36}{3} = 41$ $41 <= 128$ $G = 0$

6 $G = \frac{13+15+13}{3} = 13$ $13 <= 128$ $G = 0$

7 $G = \frac{38+58+36}{3} = 44$ $44 <= 128$ $G = 0$

8 $G = \frac{67+89+66}{3} = 74$ $74 <= 128$ $G = 0$

9. $G = \frac{27+33+36}{3} = 32$ $32 <= 128$ $G = 0$

10. $G = \frac{62+39+21}{3} = 40$ $40 <= 128$ $G = 0$

11. $G = \frac{49+54+41}{3} = 48$ $48 <= 128$ $G = 0$

12. $G = \frac{11+15+13}{3} = 13$ $13 <= 128$ $G = 0$

13 $G = \frac{42+61+36}{3} = 46$ $46 <= 128$ $G = 0$

14. $G = \frac{87+126+94}{3} = 102$ $102 <= 128$ $G = 0$

No.

Date:

15 $\sigma = \frac{29+37+39}{3} = 35$ $35 < = 128$ $\sigma = 0$

16 $\sigma = \frac{109+88+31}{3} = 76$ $76 < = 128$ $\sigma = 0$

17 $\sigma = \frac{64+67+48}{3} = 59$ $59 < = 128$ $\sigma = 0$

18 $\sigma = \frac{9+14+13}{3} = 12$ $12 < = 128$ $\sigma = 0$

19 $\sigma = \frac{43+56+32}{3} = 43$ $43 < = 128$ $\sigma = 0$

20 $\sigma = \frac{108+162+110}{3} = 126$ $126 < = 128$ $\sigma = 0$

21 $\sigma = \frac{46+54+45}{3} = 48$ $48 < = 128$ $\sigma = 0$

22 $\sigma = \frac{123+100+40}{3} = 87$ $87 < = 128$ $\sigma = 0$

23 $\sigma = \frac{89+94+73}{3} = 85$ $85 < = 128$ $\sigma = 0$

24 $\sigma = \frac{7+11+11}{3} = 9$ $9 < = 128$ $\sigma = 0$

Date:

25 $\sigma = \frac{29+49+32}{3} = 36$ $36 < = 128$ $\sigma = 0$

26 $\sigma = \frac{120+184+116}{3} = 140$ $140 < = 128$ $\sigma = \not{0}\ 255$

27 $\sigma = \frac{92+105+71}{3} = 89$ $89 < = 128$ $\sigma = 0$

28 $\sigma = \frac{118+97+68}{3} = 94$ $94 < = 128$ $\sigma = 0$

29 $\sigma = \frac{107+108+87}{3} = 100$ $100 < = 128$ $\sigma = 0$

30 $\sigma = \frac{30+34+33}{3} = 32$ $32 < = 128$ $\sigma = 0$

31 $\sigma = \frac{26+49+32}{3} = 35$ $35 < = 128$ $\sigma = 0$

32 $\sigma = \frac{109+179+115}{3} = 134$ $134 < = 128$ $\sigma = 255$

33 $\sigma = \frac{113+129+80}{3} = 107$ $107 < = 128$ $\sigma = 0$

34 $\sigma = \frac{129+113+107}{3} = 106$ $106 < = 128$ $\sigma = 0$

No.

Date:

35 $G = \frac{93+93+73}{3} = 86$

$86 < = 128$

$G = 0$

36 $G = \frac{44+48+47}{3} = 46$

$46 < = 128$

$G = 0$

Grayscale

42	44	46	43	36	35
66	74	102	126	140	134
30	32	35	48	89	107
35	40	76	87	94	106
41	48	59	85	100	86
13	13	12	9	35	46

Biner

0	0	0	0	0	0
0	0	0	0	255	255
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0