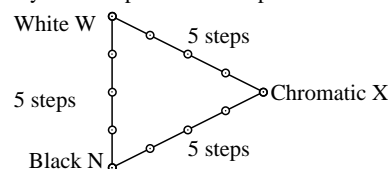


Equality of 5 step colour series by two definitions (Yes/No decision)

Layout example: three 5 step colour series **HP Laserjet CP1514n**



There are 3 basic colours on each page: N, W, X.
Ten pages include 10 hue planes
X = OYLCVM and RJGB.

Any colour is defined by two different
PS-operators in center and surround field.

**PS test chart 1 (rgb -> rgba)
according to DIN 33872-4, file -> PS printer**

All colours of the three series N-W, W-X and X-N should equal on all pages

Are the center and surround field colours equal on all pages? underline: **Yes/No**
only if No:

How many of the 3x4=12 steps are equal?

- Page 1: equal are out of 12 steps: **..01...** steps of O = Orange red
Page 2: equal are out of 12 steps: **..02...** steps of Y = Yellow
Page 3: equal are out of 12 steps: **..01...** steps of L = Leaf green
Page 4: equal are out of 12 steps: **..02...** steps of C = Cyan blue
Page 5: equal are out of 12 steps: **..01...** steps of V = Violet blue
Page 6: equal are out of 12 steps: **..01...** steps of M = Magenta red
Page 7: equal are out of 12 steps: **..01...** steps of R = Elementary Red
Page 8: equal are out of 12 steps: **..01...** steps of J = Elementary Yellow
Page 9: equal are out of 12 steps: **..01...** steps of G = Elementary Green
Page 10: equal are out of 12 steps: **..01...** steps of B = Elementary Blue

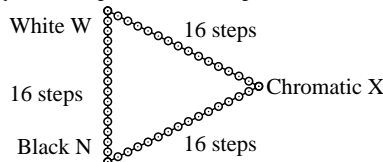
Sum: Of the given 3x4x10=120 steps **..12...** steps are equal

Part 1

LE940-3, De140-3

Equality of 16 step colour series by two definitions (Yes/No decision)

Layout example: three 16 step colour series **HP Laserjet CP1514n**



There are 3 basic colours on each page: N, W, X.
Ten pages include 10 hue planes
X = OYLCVM and RJGB.

Any colour is defined by two different
PS-operators in center and surround field.

**PS test chart 1 (rgb -> rgba)
according to DIN 33872-4, file -> PS printer**

All colours of the three series N-W, W-X and X-N should equal on all pages

Are the center and surround field colours equal on all pages? underline: **Yes/No**
only if No:

How many of the 3x15=45 steps are equal?

- Page 1: equal are out of 45 steps: **..03...** steps of O = Orange red
Page 2: equal are out of 45 steps: **..03...** steps of Y = Yellow
Page 3: equal are out of 45 steps: **..03...** steps of L = Leaf green
Page 4: equal are out of 45 steps: **..03...** steps of C = Cyan blue
Page 5: equal are out of 45 steps: **..04...** steps of V = Violet blue
Page 6: equal are out of 45 steps: **..03...** steps of M = Magenta red
Page 7: equal are out of 45 steps: **..03...** steps of R = Elementary Red
Page 8: equal are out of 45 steps: **..04...** steps of J = Elementary Yellow
Page 9: equal are out of 45 steps: **..03...** steps of G = Elementary Green
Page 10: equal are out of 45 steps: **..03...** steps of B = Elementary Blue

Sum: Of the given 3x15x10=450 steps **..32...** steps are equal

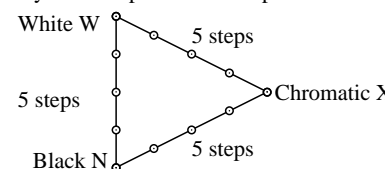
Part 2

LE940-7, De141-3

Printer and offset print output, Equality of colour scales and
discriminability of colour scales (Two Yes/No decisions)

Equality of 5 step colour series by two definitions (Yes/No decision)

Layout example: three 5 step colour series **RECS colour atlas, linearized offset print**



There are 3 basic colours on each page: N, W, X.
Ten pages include 10 hue planes
X = OYLCVM and RJGB.

Any colour is defined by two different
PS-operators in center and surround field.

**PDF test chart 1 (rgb -> rgb*d -> cmy*n*d)
according to DIN 33872-4, file -> offset**

All colours of the three series N-W, W-X and X-N should equal on all pages

Are the center and surround field colours equal on all pages? underline: **Yes/No**
only if No: **inapplicable**

How many of the 3x4=12 steps are equal?

- Page 1: equal are out of 12 steps: steps of O = Orange red
Page 2: equal are out of 12 steps: steps of Y = Yellow
Page 3: equal are out of 12 steps: steps of L = Leaf green
Page 4: equal are out of 12 steps: steps of C = Cyan blue
Page 5: equal are out of 12 steps: steps of V = Violet blue
Page 6: equal are out of 12 steps: steps of M = Magenta red
Page 7: equal are out of 12 steps: steps of R = Elementary Red
Page 8: equal are out of 12 steps: steps of J = Elementary Yellow
Page 9: equal are out of 12 steps: steps of G = Elementary Green
Page 10: equal are out of 12 steps: steps of B = Elementary Blue

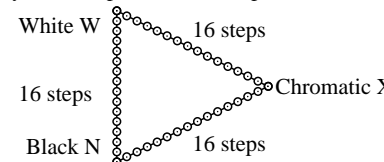
Sum: Of the given 3x4x10=120 steps steps are equal

Part 3

LE941-3, De140-3

Equality of 16 step colour series by two definitions (Yes/No decision)

Layout example: three 16 step colour series **RECS colour atlas, linearized offset print**



There are 3 basic colours on each page: N, W, X.
Ten pages include 10 hue planes
X = OYLCVM and RJGB.

Any colour is defined by two different
PS-operators in center and surround field.

**PDF test chart 1 (rgb -> rgb*d -> cmy*n*d)
according to DIN 33872-4, file -> offset**

All colours of the three series N-W, W-X and X-N should equal on all pages

Are the center and surround field colours equal on all pages? underline: **Yes/No**
only if No: **inapplicable**

How many of the 3x15=45 steps are equal?

- Page 1: equal are out of 45 steps: steps of O = Orange red
Page 2: equal are out of 45 steps: steps of Y = Yellow
Page 3: equal are out of 45 steps: steps of L = Leaf green
Page 4: equal are out of 45 steps: steps of C = Cyan blue
Page 5: equal are out of 45 steps: steps of V = Violet blue
Page 6: equal are out of 45 steps: steps of M = Magenta red
Page 7: equal are out of 45 steps: steps of R = Elementary Red
Page 8: equal are out of 45 steps: steps of J = Elementary Yellow
Page 9: equal are out of 45 steps: steps of G = Elementary Green
Page 10: equal are out of 45 steps: steps of B = Elementary Blue

Sum: Of the given 3x15x10=450 steps steps are equal

Part 4

LE941-7, De141-3

input: **rgb -> rgb*d, cmy0 -> cmy0*d**
output: **-> rgb*d, cmy*n*d (offset)**