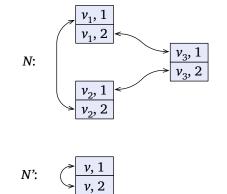
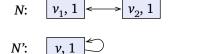
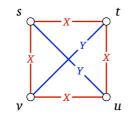
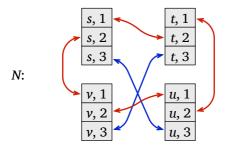


*c*, 1 *c*, 2



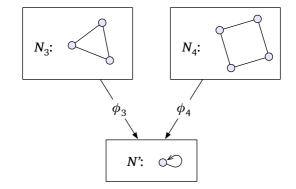


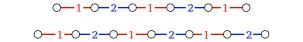




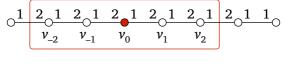
$$N'$$
:  $\begin{bmatrix} x, 1 \\ x, 2 \\ x, 3 \end{bmatrix}$ 

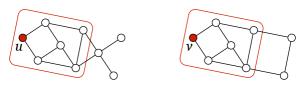
G:

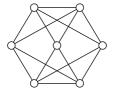


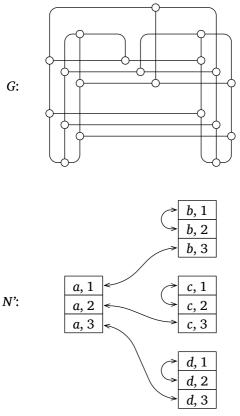


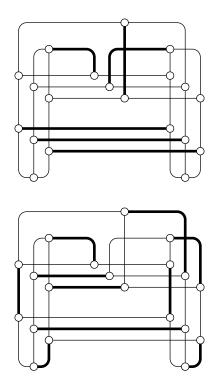
$$\bigcirc \frac{1}{} \stackrel{2}{\sim} \frac{1}{} \stackrel{2}{\sim} \frac{1}{} \stackrel{2}{\sim} \frac{1}{} \stackrel{2}{\sim} \frac{1}{} \stackrel{2}{\sim} \frac{1}{} \stackrel{2}{\sim} \frac{1}{} \stackrel{1}{\sim} \frac{1}{} \stackrel{1}{\sim}$$

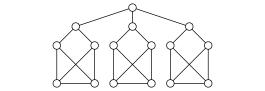


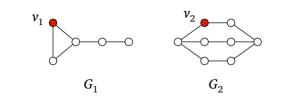


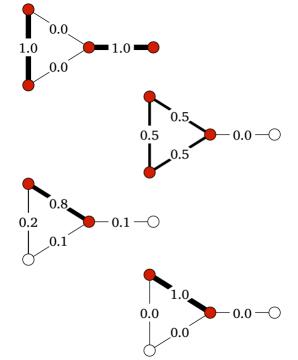


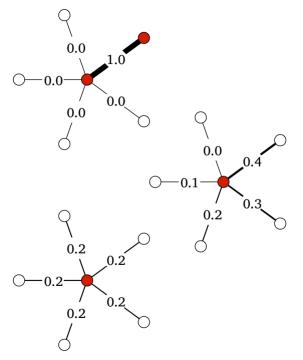


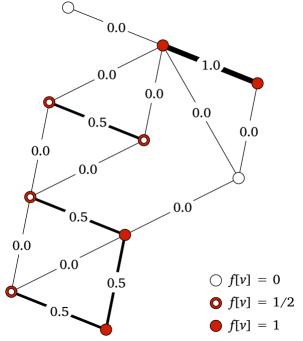


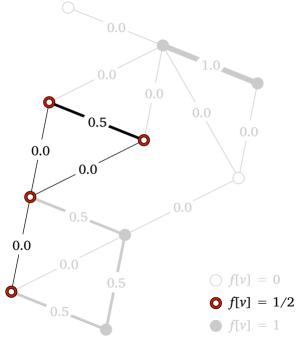


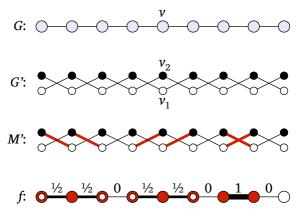


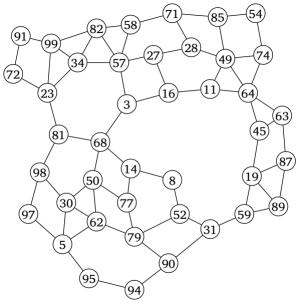


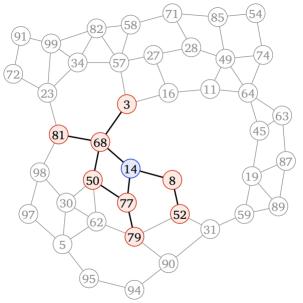


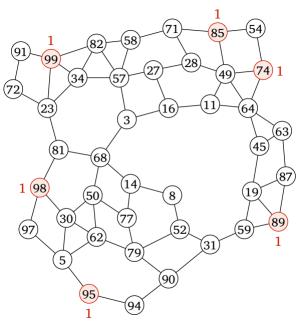


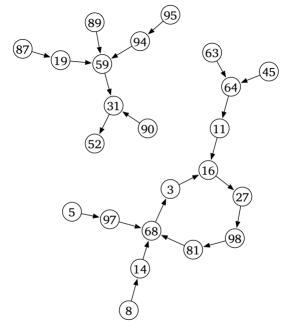


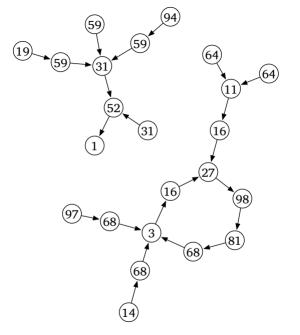


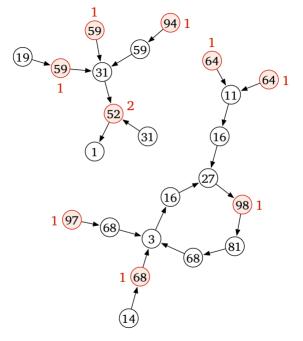


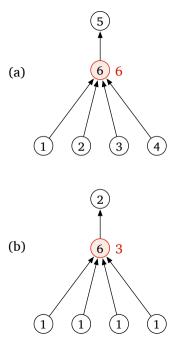


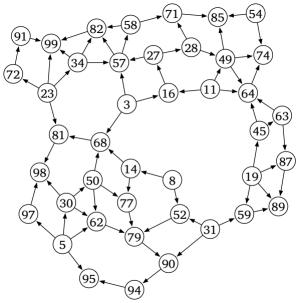


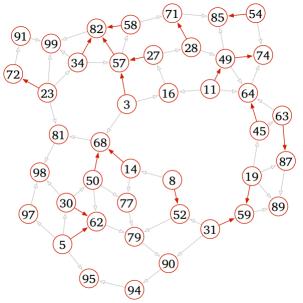


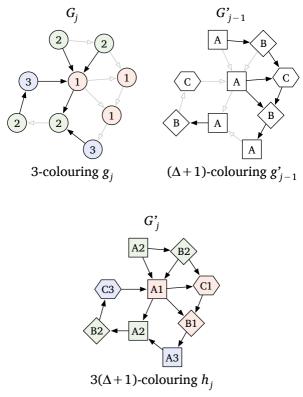


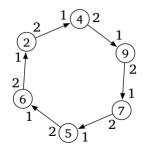










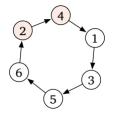


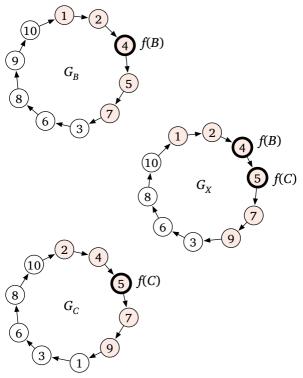
$$f\colon \begin{cases} \{1,2,3\} \mapsto 1 & \{1,2,4\} \mapsto 1 & \{1,2,5\} \mapsto 1 \\ \{1,2,6\} \mapsto 2 & \{1,2,7\} \mapsto 1 & \{1,3,4\} \mapsto 1 \\ \{1,3,5\} \mapsto 1 & \{1,3,6\} \mapsto 1 & \{1,3,7\} \mapsto 1 \\ \{1,4,5\} \mapsto 1 & \{1,4,6\} \mapsto 2 & \{1,4,7\} \mapsto 1 \\ \{1,5,6\} \mapsto 1 & \{1,5,7\} \mapsto 1 & \{1,6,7\} \mapsto 2 \\ \{2,3,4\} \mapsto 2 & \{2,3,5\} \mapsto 1 & \{2,3,6\} \mapsto 1 \\ \{2,3,7\} \mapsto 1 & \{2,4,5\} \mapsto 2 & \{2,4,6\} \mapsto 1 \\ \{2,4,7\} \mapsto 2 & \dots & \{4,5,6\} \mapsto 2 \\ \{4,5,7\} \mapsto 1 & \dots & \{5,6,7\} \mapsto 1 \end{cases}$$

$$f_2\colon \begin{cases} \{2,3\} \mapsto 1 & \{2,4\} \mapsto 1 & \{2,5\} \mapsto 1 \\ \{2,6\} \mapsto 2 & \{2,7\} \mapsto 1 & \{3,4\} \mapsto 1 \\ \{3,5\} \mapsto 1 & \{3,6\} \mapsto 1 & \{3,7\} \mapsto 1 \\ \{4,5\} \mapsto 1 & \{4,6\} \mapsto 2 & \{4,7\} \mapsto 1 \\ \{5,6\} \mapsto 1 & \{5,7\} \mapsto 1 & \{6,7\} \mapsto 2 \end{cases}$$

$$X_2 = \{2,3,4,5,7\}, \text{ monochromatic in } f$$

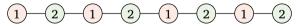
 $W = \{1,2,4,5,7\}$ , almost monochromatic in f























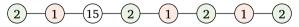


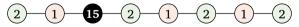


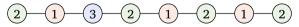




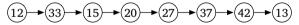






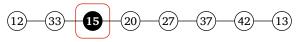




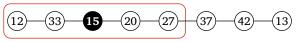


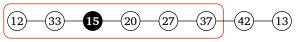




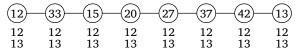


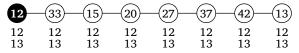


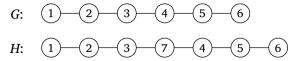


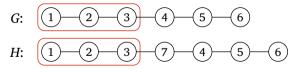


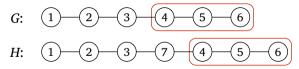


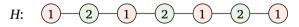


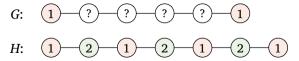












$$f(x_1, x_2, x_3, x_4, x_5)$$

$$(x_1) \rightarrow (x_2) \rightarrow (x_3) \rightarrow (x_4) \rightarrow (x_5)$$

