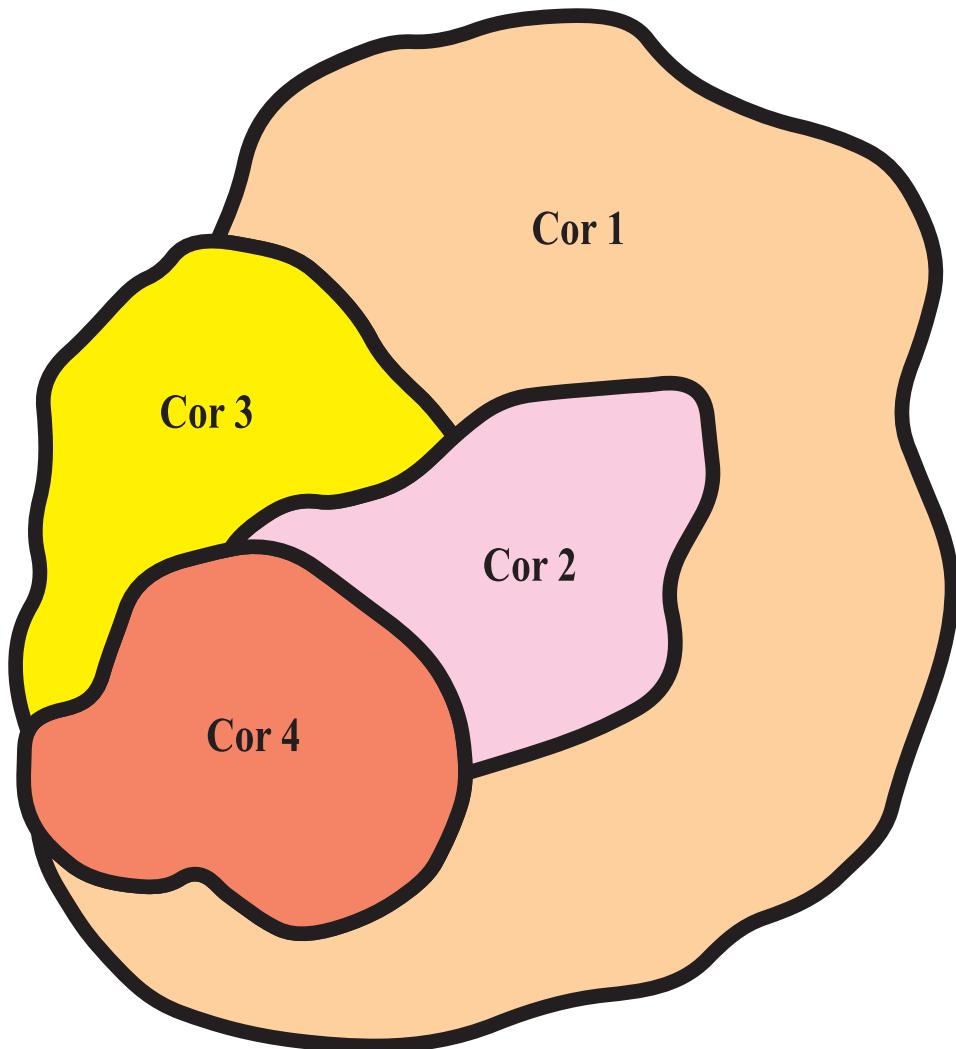




Polinômios Coloridos

$$P(x, v) = x^k + n_1 x^{k-1} + n_2 x^{k-2} + \dots + n_{k-1} x$$



PCoins

Colorful Coins



3.0 Aplicação do Operador Autodestrutivo R^*

$$R^* f(x) \prec f(x + R^*)$$

Operador

$$R^* R^* = 0 \quad | \quad R^* N = N$$

Operações

$$R^* x \prec (x + R^*)$$

$$R^* x \prec x + R^* 1$$

$$R^* x^2 \prec (x + R^*)^2$$

$$R^* x^2 \prec x^2 + R^* 2x + R^* R^0$$

$$R^* x^2 \prec x^2 + R^* 2x$$

$$R^* x^2 \prec x^2 + 2(x + R^*)$$

$$R^* x^2 \prec x^2 + 2x + R^* 2$$

$$R^* x^3 \prec (x + R^*)^3$$

$$R^* x^3 \prec x^3 + R^* 3x^2 + R^* R^0 3x + R^* R^0 R^0$$

$$R^* x^3 \prec x^3 + R^* 3x^2$$

$$R^* x^3 \prec x^3 + 3(x + R^*)^2$$

$$R^* x^3 \prec x^3 + 3x^2 + R^* 6x + R^* R^0 3$$

$$R^* x^3 \prec x^3 + 3x^2 + 6(x + R^*)$$

$$R^* x^3 \prec x^3 + 3x^2 + 6x + R^* 6$$



$$P(X, V) = x^V + ax^{V-1} + bx^{V-2} + cx^{V-3} + \dots$$

Polinômio Cromo-Combinatório

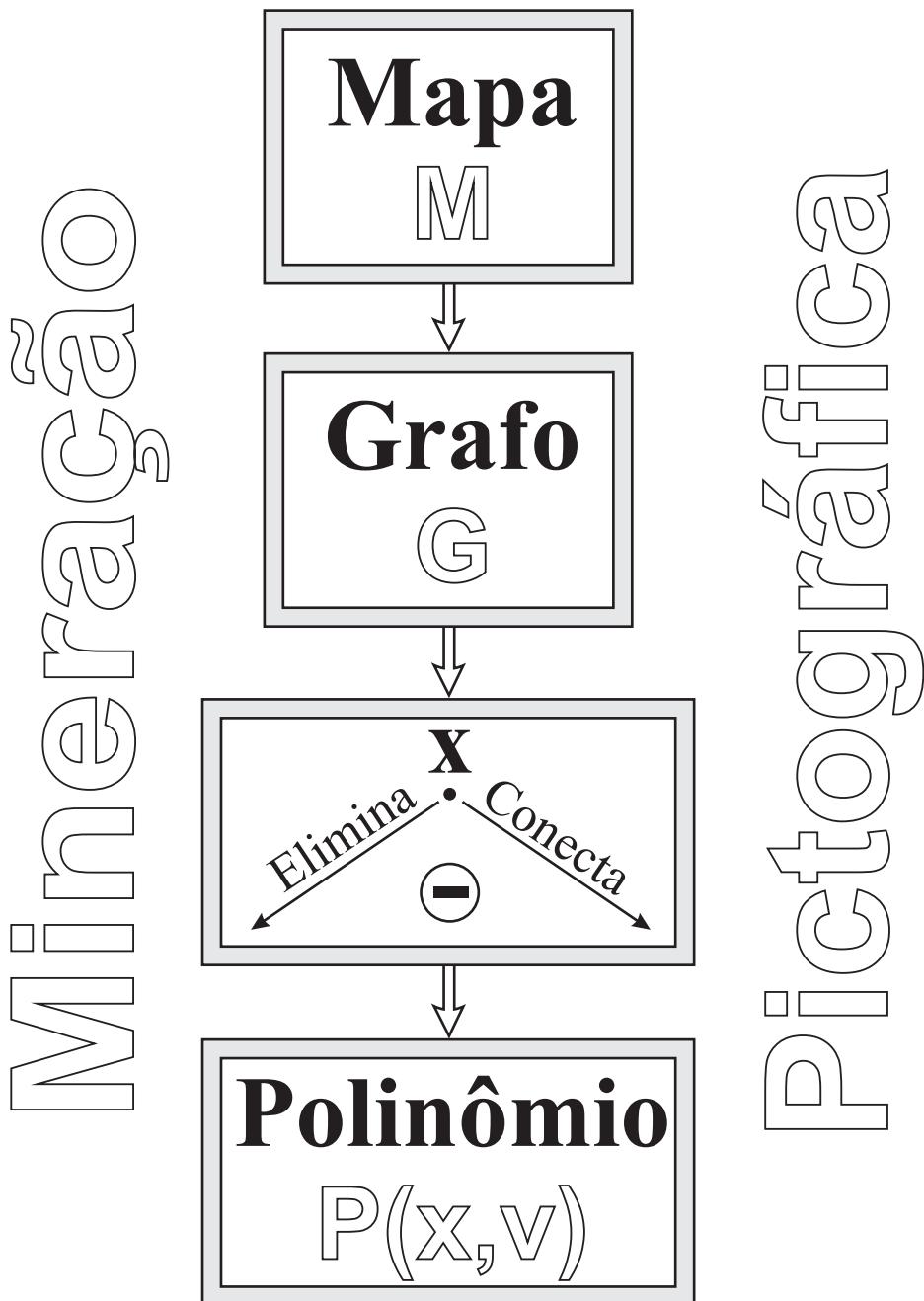


7.0 Cálculo Fracionário CromoPolinomial

Poligólise

Poly's (muito) + *nomós* (partes) + *lysis* (decompor).

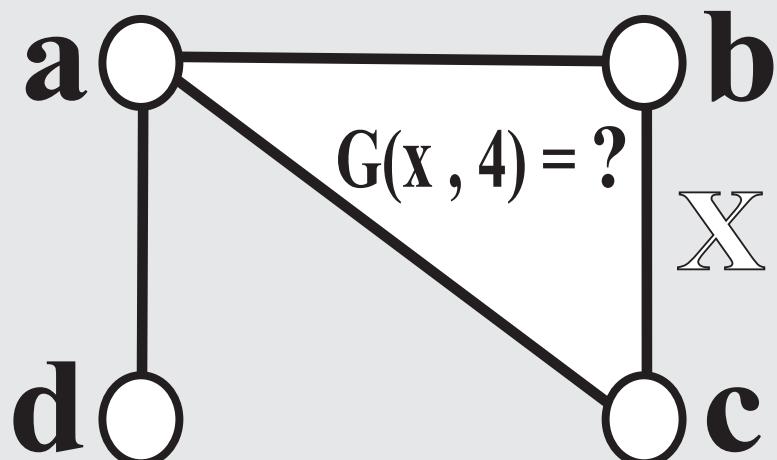
Dado um grafo originado de um mapa, formatado com os blocos A, B, C, ... segue o algoritmo que permite aos mineradores decompô-lo em polinômios cromo-valênciais:



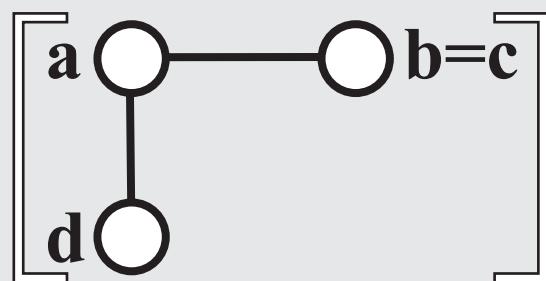
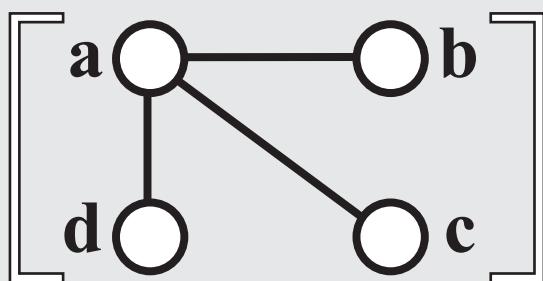
Poligólise CromoComputacional de PCoins



7.3 Cálculo Fracionário do Polinômio $G(X, 4)$



Elimina
Conecta



$$[x^4 - 3x^3 + 3x^2 - x] - [x^3 - 2x^2 + x]$$

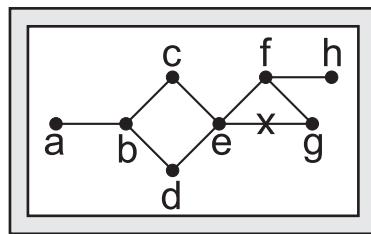
$$\{x^4 - 4x^3 + 5x^2 - 2x\}$$

$$G(X, 4) = C(X, 4) - C(X, 3)$$

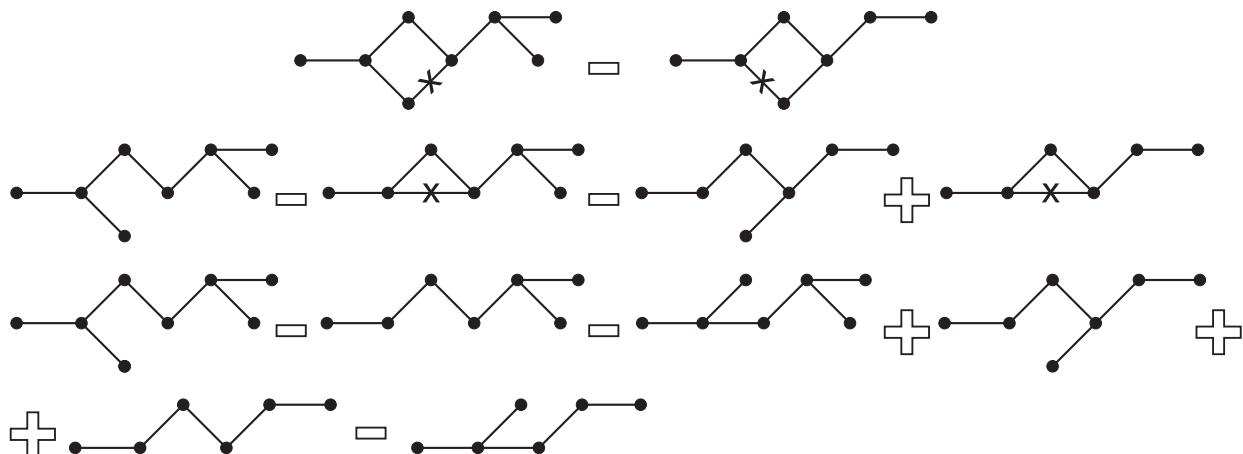
Mineração/Poligólise do Mapa $G(X, 4)$



10.3 Mineração do Bloco Tertium $M(x, 8)$

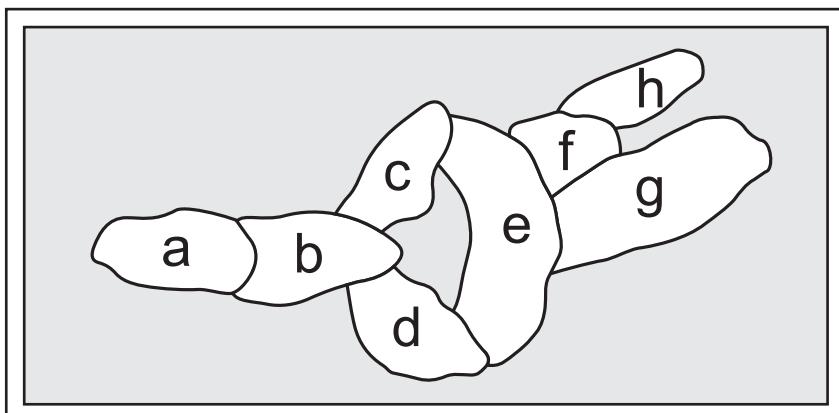


Grafo



$$M(x, 8) = C(x, 8) - C(x, 7) + C(x, 7) - C(x, 7) + C(x, 6) - C(x, 5)$$

$$M(x, 8) = x \cdot (x - 1)^4 \cdot [x^3 - 4x^2 + 6x - 4]$$



Mapa dos Estados

$$x = 1 \Rightarrow M = 0$$

$$x = 2 \Rightarrow M = 0$$

$$x = 3 \Rightarrow M = 240$$

Block $M(x, 8)$ Chain