

Solução Geral

$$x = x_0 + (b/d)t$$

$$y = y_0 - (a/d)t,$$

$$d = (a, b) \text{ e } t \in \mathbb{Z}$$

Existência de Solução (Z)

$$(a, b) \mid c$$

A scatter plot showing the relationship between the number of nodes (N) and the number of edges (M). The x-axis represents N, ranging from 1 to 10. The y-axis represents M, ranging from 0 to 10. Data points are represented by open squares. The points show a clear linear trend, starting at (1, 0) and ending at (10, 10).

Encontrar o penúltimo convergente

Solução Alternativa 4

EQUAÇÕES DIOFANTINAS LINEARES

$$aX + bY = c; a,b,c \in \mathbb{Z}$$

□ □ □ □ □ □

Levar para
 Z_a ou Z_b
(congruência “mod m”)

Solução Alternativa 3

Solução Alternativa 1

Reduzir usando

$$u = x + y$$

$$\mathbf{v} = \mathbf{x} - \mathbf{y}$$

A horizontal sequence of 15 small, empty square boxes arranged in a single row. This visual element is likely a placeholder for a list of items or a series of steps.

Usar o algoritmo
generalizado de
Euclides e depois
somar e subtrair “abt”

Solução Alternativa 2