

Actividad 2

Resolver el grafo satisfaciendo la restriccion.

Solucion 1: (1 {1, 2, 3, 4, 7, 4, 2, 3, 6, 7, 4, 2, 3, 6, 5}) 1 -> 2 = 1 2 -> 3 = 4 3 -> 4 = 3 4 -> 7 = 6 7 -> 4 = 4 4 -> 2 = 1 2 -> 3 = 4 3 -> 6 = 2 6 -> 7 = 9 7 -> 4 = 4 4 -> 2 = 1 2 -> 3 = 4 3 -> 6 = 2 6 -> 5 = 2 x = 47

$F(47) = 2(47) + 1$ $F(47) = 95$ $F(47) \geq 50$; SI

Solucion 2: (2 {1, 2, 3, 4, 2, 3, 4, 2, 3, 6}) 1 -> 2 = 1 2 -> 3 = 4 3 -> 4 = 3 4 -> 2 = 1 2 -> 3 = 4 3 -> 4 = 3 4 -> 2 = 1 2 -> 3 = 4 3 -> 6 = 2 6 -> 5 = 2 x = 25

$F(25) = 2(25) + 1$ $F(25) = 25$ $F(25) \geq 50$; SI

Solucion 3: (3 {1, 4, 7, 2, 3, 4, 7}) 1 -> 4 = 3 4 -> 7 = 6 7 -> 2 = 4 2 -> 3 = 4 3 -> 4 = 3 4 -> 7 = 6 x = 26

$F(26) = 2(26) + 1$ $F(26) = 53$ $F(26) \geq 50$; SI