Inducción Matemática

1)
$$1+2+3...+n = n (n+1)$$

 $1=1(1+1)- | k=k(k+1)$
 $1=1$

2)
$$(3h+5) = n(3n+13)$$

 $(3(1)+5) = 1(3(1)+13)$ $(3k+5) = k(3k+13)$
 $(3+5) = 1(3+13)$

8=8

$$(3K+3+5) = K+7(3K+3+13)$$

$$(3+18) = (x+1)(3+16)$$

$$(2(k+1)+1)=k+1(k+1+2)$$

 $(2k+2+1)=k+1(k+3)$
 $(2k+3)=(k+1)(k+3)$

MCD

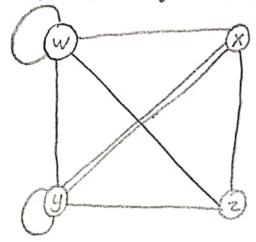
2)
$$350$$
, $75 = 5$
 $350 = 75.4 + 50$
 $25 = 50.1 + 25$
 $50 = 25.2 + 6$
 $25 = 6.5 + 0$

3)
$$101, 13 = 1$$

 $101 = 13.7 + 10$
 $13 = 10.1 + 3$
 $10 = 3.1 + 7$
 $3 = 3.1 + 0$

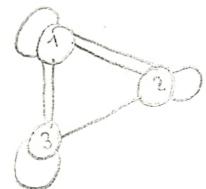
Dibujar los grafos y realizar su matriz de adyacencia

A= { WX, WY, WZ, WW, XY, +Z, YZ, ZZ, ZX3



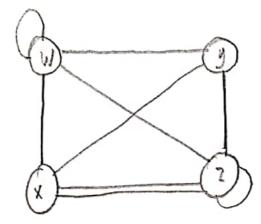
W X Y Z W 1 1 1 1 X 1 0 1 2 Y 1 1 0 1 Z 1 2 1 1

 $V = \{1, 2, 3\}$ $A = \{11, 12, 13, 21, 22, 23, 33, 31\}$

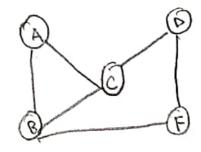


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V= {W, x, y, z} A= {WX, WY, WZ, WW, XY, YZ, ZZ, ZX}



Encontrar Ruta de Euler Encontrar Ruta o Circuito de Hamilton



Circuito de Euler {C,A,B,F,D,C,B}

Circuito de Hamilton &C,A,B,F,D,C3

Ruta de Hamilton {D,F,B,A, 0}

Nodo CBADF

Grado 32222

Color IIII = = IIIII