Trabajo Práctico Integrador 2 Matemática y Programación
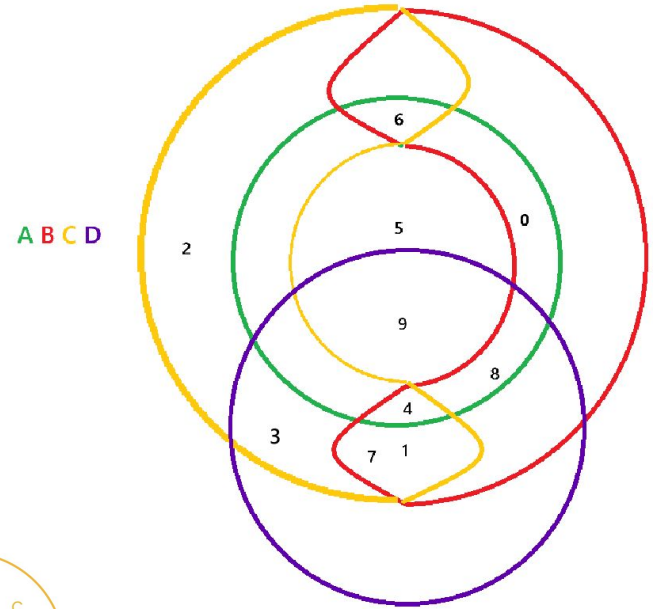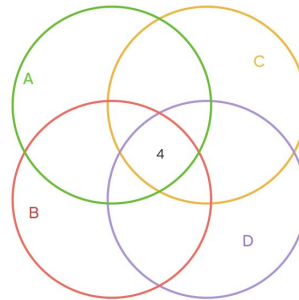
- Integrantes:
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  - Cristian Serna
  - Juan Martín Roques Zeballos
  - Emanuel Facundo Ruidiaz

Unión e Intersección

a. Unión
    A ∪ B ∪ C ∪ D = {0,1,2,3,4,5,6,7,8,9}
b. Intersección
    A ∩ B ∩ C ∩ D = {4}

Conjuntos
a. A = {3,8,9,6,4,5,0}
b. B = {4,0,6,7,8,1}
c. C = {3,2,7,4,1,6}
d. D = {9,4,7,3,1,8}

A B C D

Diferencia

$A - A = B - B = C - C = D - D$

a. Diferencia entre pares
A-A = B-B = C-C = D-D = {}
A-B = {3,9,5}
A-C = {8,9,5,0}
A-D= {6,5,0}

Conjuntos
a. A = {3,8,9,6,4,5,0}
b. B = {4,0,6,7,8,1}
c. C = {3,2,7,4,1,6}
d. D = {9,4,7,3,1,8}

A   B
3, 9, 5

A   D
6, 5, 0

A   C
8, 9, 5, 0
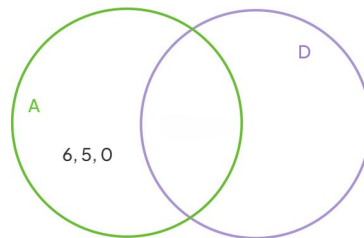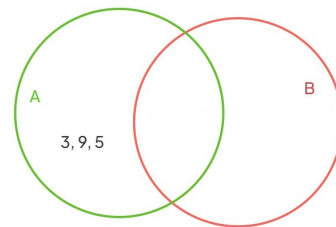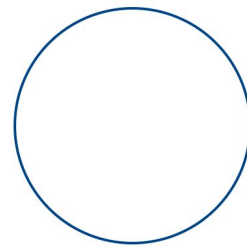
Diferencia Simétrica

a. Diferencia simétrica
A-B = {1,7,3,9,5}
A-C = {8,9,5,0,1,2,7}
A-D = {0,1,5,6,7}
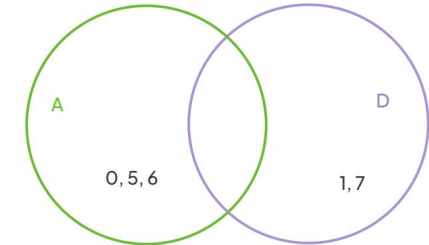
Conjuntos
a. A = {3,8,9,6,4,5,0}
b. B = {4,0,6,7,8,1}
c. C = {3,2,7,4,1,6}
d. D = {9,4,7,3,1,8}

Diferencia

a. Diferencia entre pares
    B-A={7,1}
    B-C={0,8}
    B-D={0,6}
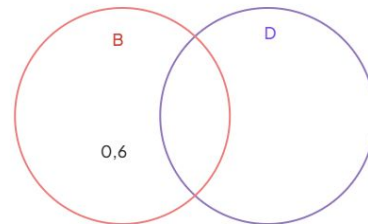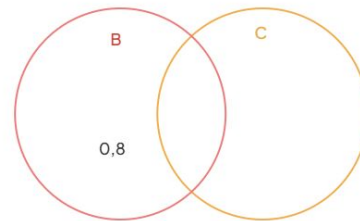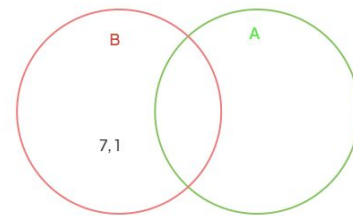
Conjuntos
    a.   A = {3,8,9,6,4,5,0}
    b.   B = {4,0,6,7,8,1}
    c.   C = {3,2,7,4,1,6}
    d.   D = {9,4,7,3,1,8}

Diferencia Simétrica
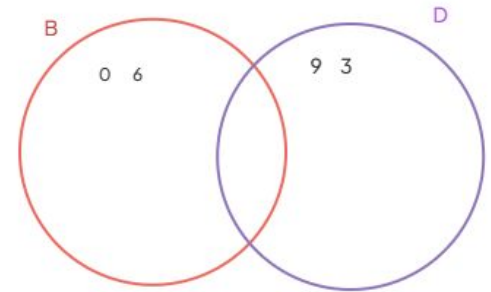
a. Diferencia simétrica
   B-C = {0,2,3,8}
   B-D = {0,3,6,9}

Conjuntos
a. A = {3,8,9,6,4,5,0}
b. B = {4,0,6,7,8,1}
c. C = {3,2,7,4,1,6}
d. D = {9,4,7,3,1,8}

B   0 8   2 3   C

B   0 6   9 3   D

Diferencia

a. Diferencia entre pares
   C-A={2,7,1}
   C-B={3,2}
   C-D={2,6}

Conjuntos

    a. A = {3,8,9,6,4,5,0}
    b. B = {4,0,6,7,8,1}
    c. C = {3,2,7,4,1,6}
    d. D = {9,4,7,3,1,8}

Diferencia Simétrica

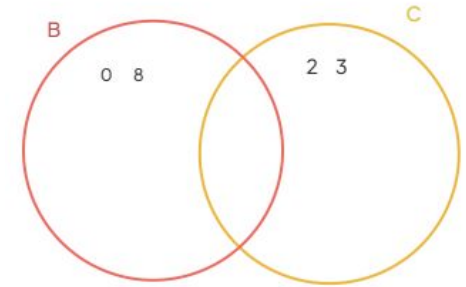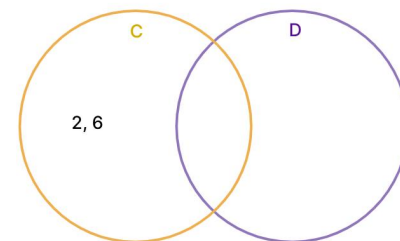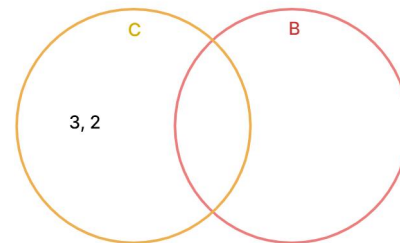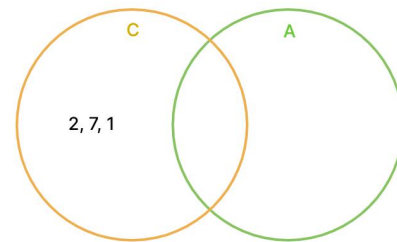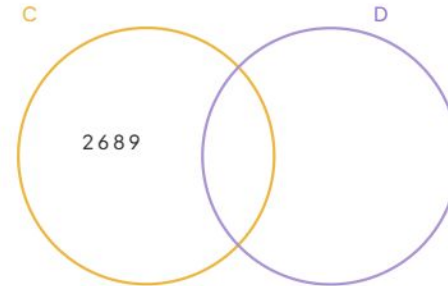a. Diferencia simétrica
   C-D = {2,6,8,9}

Conjuntos
    a. A = {3,8,9,6,4,5,0}
    b. B = {4,0,6,7,8,1}
    c. C = {3,2,7,4,1,6}
    d. D = {9,4,7,3,1,8}

Diferencia

a. Diferencia entre pares
D-A={9,7,1}
D-B={9,3}
D-C={9,8}

Conjuntos
a. A = {3,8,9,6,4,5,0}
b. B = {4,0,6,7,8,1}
c. C = {3,2,7,4,1,6}
d. D = {9,4,7,3,1,8}