



Repaso Parcial 1

QuadTree, k-d-tree, BSP-tree, hB-tree





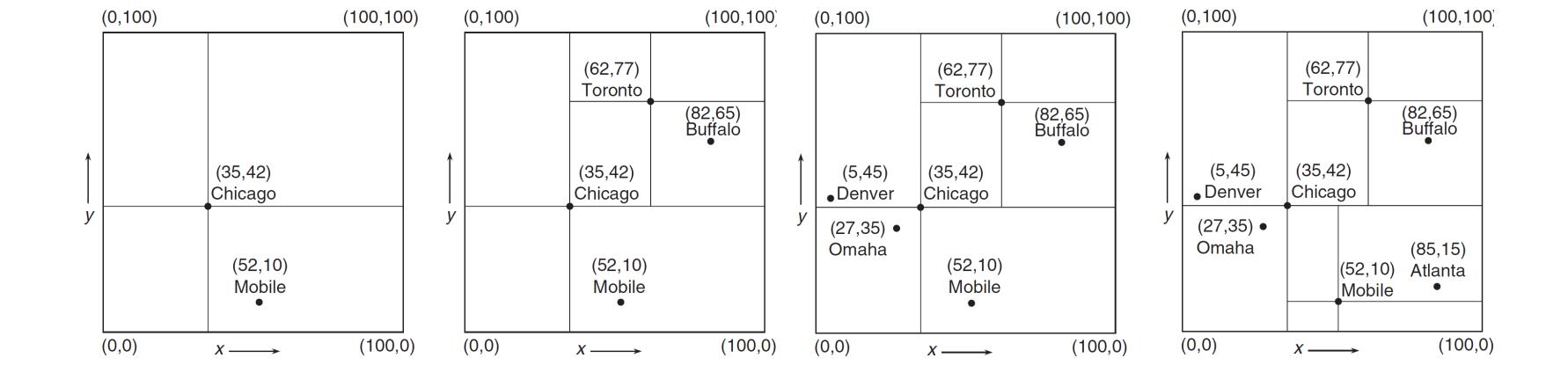
1.







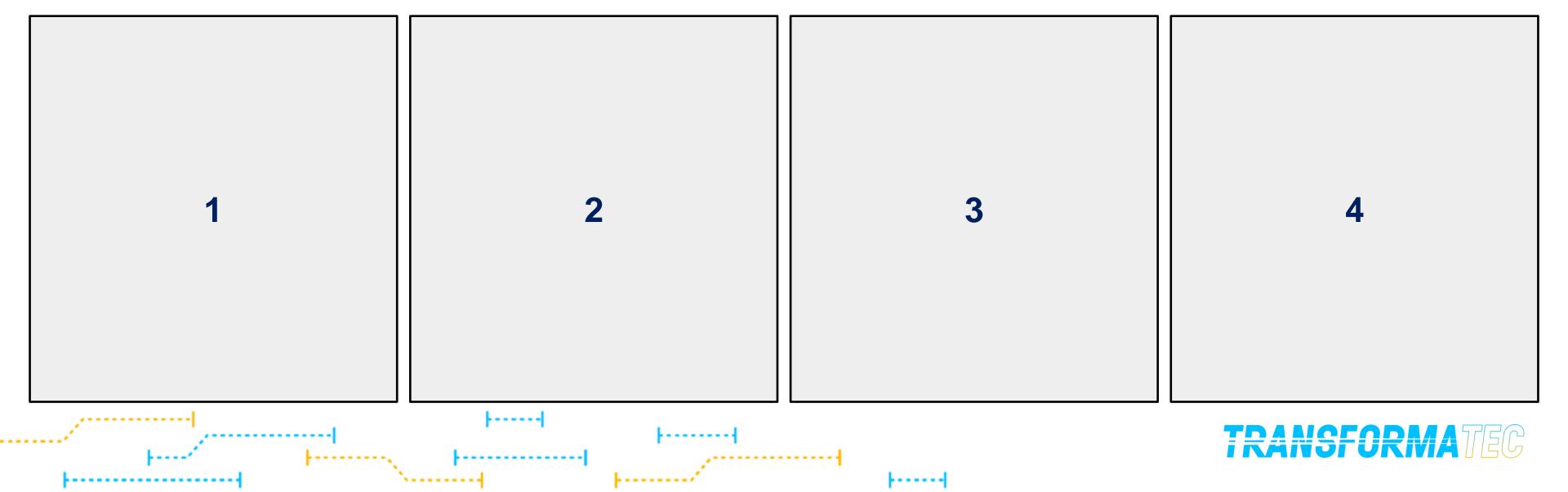
















A: (17, 7)
B: (17, 8)
C: (11, 0)
D: (10, 18)
E: (8, 7)
F: (6, 10)
G: (0, 19)
H: (1, 13)
I: (4, 11)
J: (12,5)
, , ,

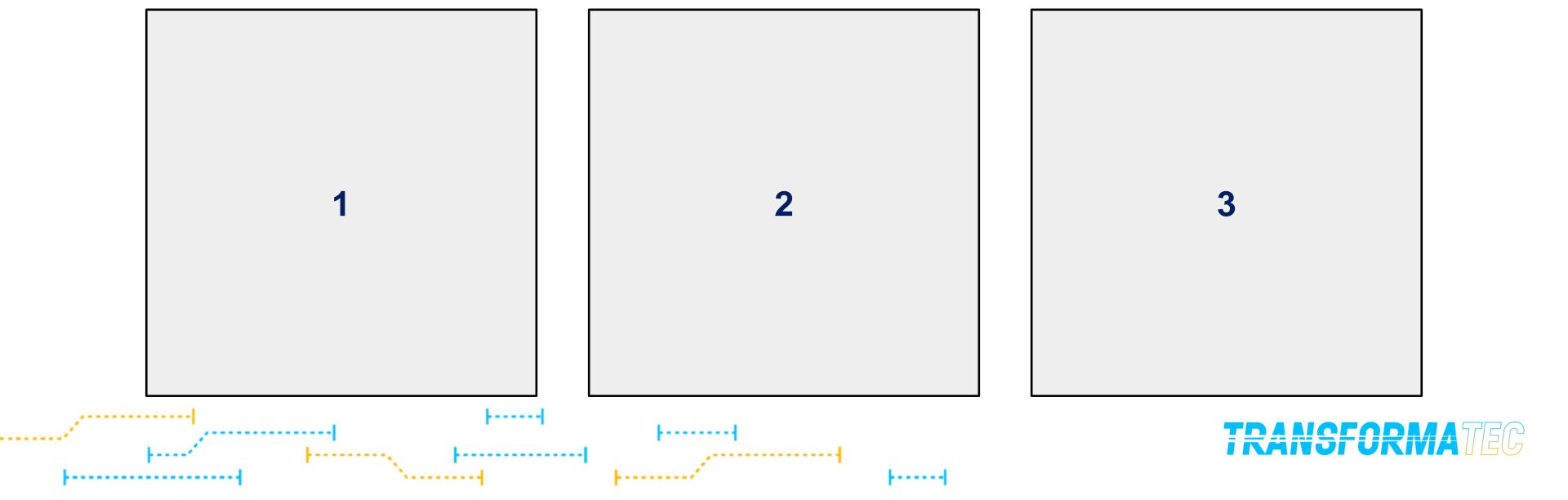
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B: (2, 2)	
C: (10, 16)	
D: (18, 1)	
E: (8, 8)	
F: (14, 2)	
G: (2, 19)	
H: (0, 14)	
I: (3, 5)	
J: (19, 12)	

B: (9, 10)	
C: (16, 13)	
D: (1, 6)	
E: (15, 2)	
F: (8, 16)	
G: (6, 3)	
H: (8, 11)	
I: (17, 13)	
J: (10, 16)	
,	

A: (8, 19)

A: (18, 8)
B: (17, 20)
C: (16, 8)
D: (18, 13)
E: (14, 7)
F: (11, 11)
G: (12, 0)
H: (19, 4)
I: (3, 18)
J: (2, 15)









A: (16, 20)
B: (13, 16)
C: (1, 0)
D: (6, 2)
E: (19, 4)
F: (14, 20)
G: (8, 19)
H: (7, 0)
I: (17, 13)
J: (14, 4)

A: (5, 5)
B: (19, 17)
C: (18, 2)
D: (16, 18)
E: (1, 15)
F: (6, 9)
G: (9, 13)
H: (3, 17)
I: (18, 17)
J: (4, 3)

1. (10 6)
A: (18, 6)
B: (4, 7)
C: (14, 10)
D: (7, 13)
E: (17, 4)
F: (1, 12)
G: (18, 6)
H: (11, 15)
I: (9, 4)
J: (8, 8)

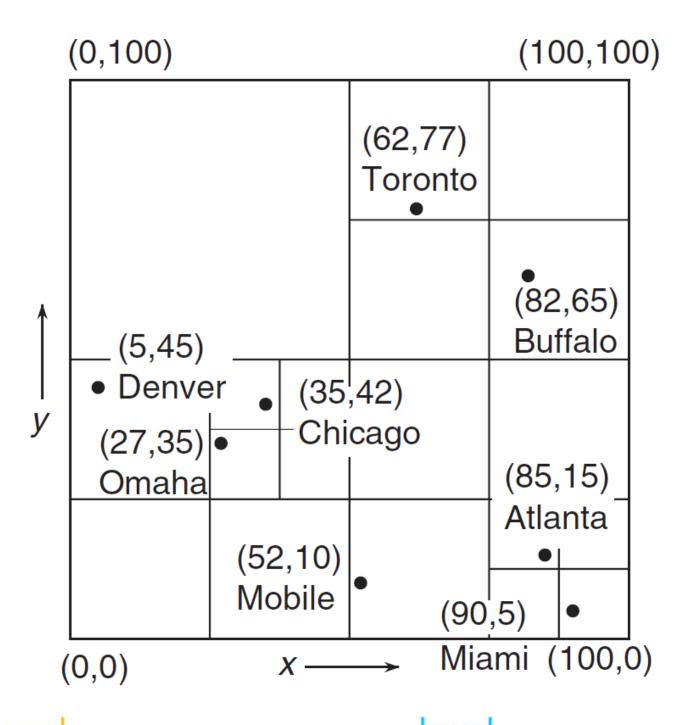


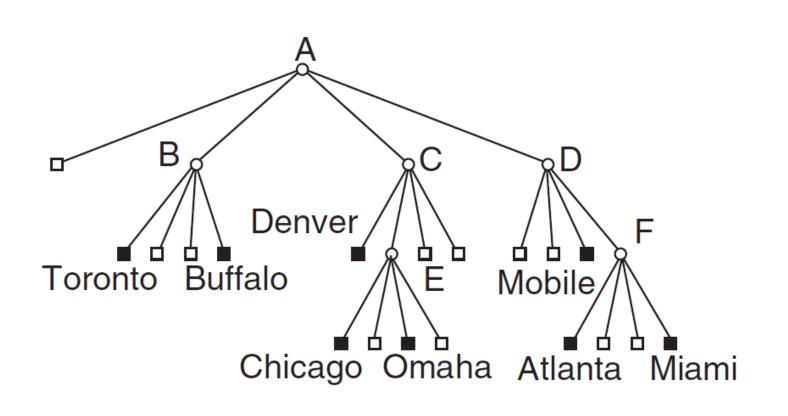
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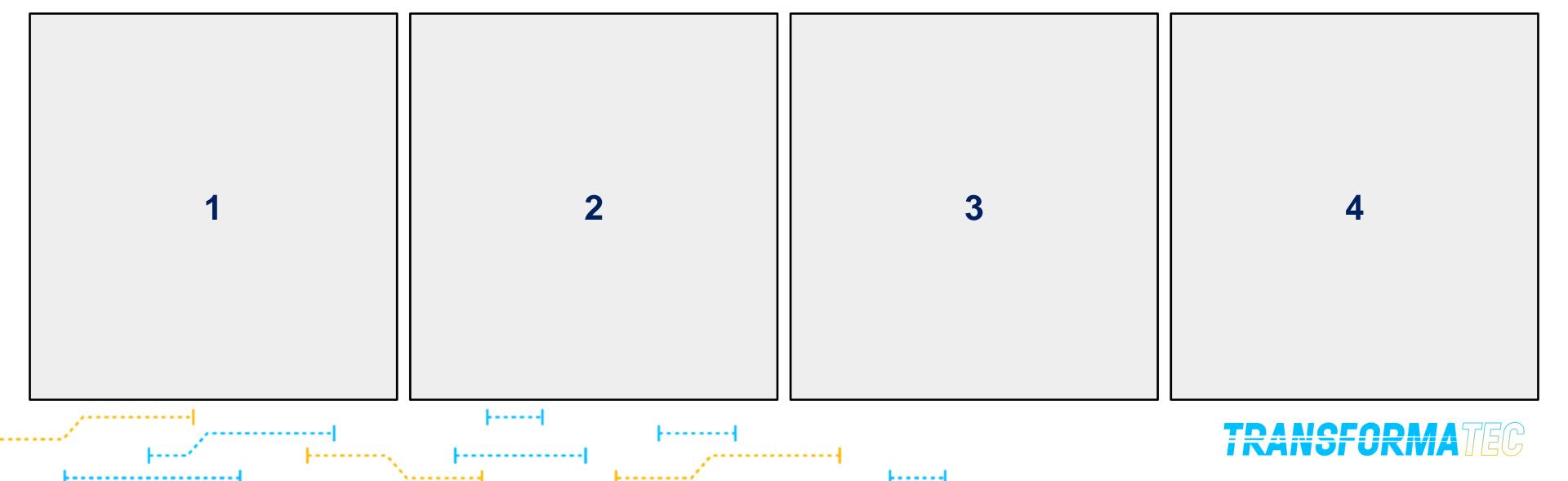
















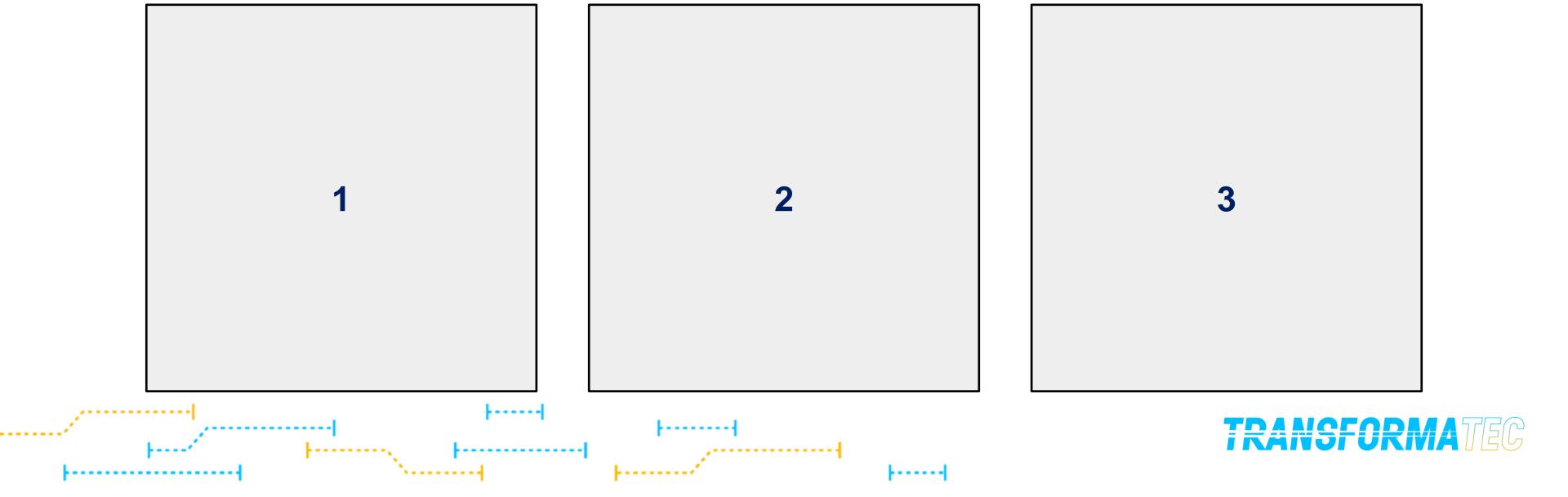
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B: (7, 7)
C: (19, 18)
D: (18, 5)
E: (7, 1)
F: (0, 17)
G: (18, 16)
H: (13, 10)
I: (5, 7)
J: (5, 11)

A: (2, 20)	
B: (17, 6)	
C: (3, 10)	
D: (9, 12)	
E: (17, 18)	
F: (16, 20)	
G: (10, 19)	
H: (13, 20)	
I: (19, 13)	
J: (7, 8)	

B: (8, 11)
C: (14, 16)
D: (16, 16)
E: (1, 15)
F: (15, 9)
G: (10, 9)
H: (0, 10)
I: (3, 0)
J: (20, 10)

A: (6, 14)









A: (9, 9)	
B: (17, 1)	
C: (17, 17)	
D: (14, 1)	
E: (1, 16)	
F: (16, 18)	
G: (10, 5)	
H: (7, 20)	
I: (0, 19)	
J: (12, 2)	

A: (8, 8)	
B: (16, 2)	
C: (5, 1)	
D: (3, 13)	
E: (16, 1)	
F: (16, 8)	
G: (18, 14)	
H: (8, 6)	
I: (17, 15)	
J: (18, 5)	

1 (1 0)
A: (1, 8)
B: (5, 15)
C: (6, 3)
D: (9, 19)
E: (15, 3)
F: (20, 10)
G: (7, 13)
H: (12, 18)
I: (17, 14)
I: (3, 1)

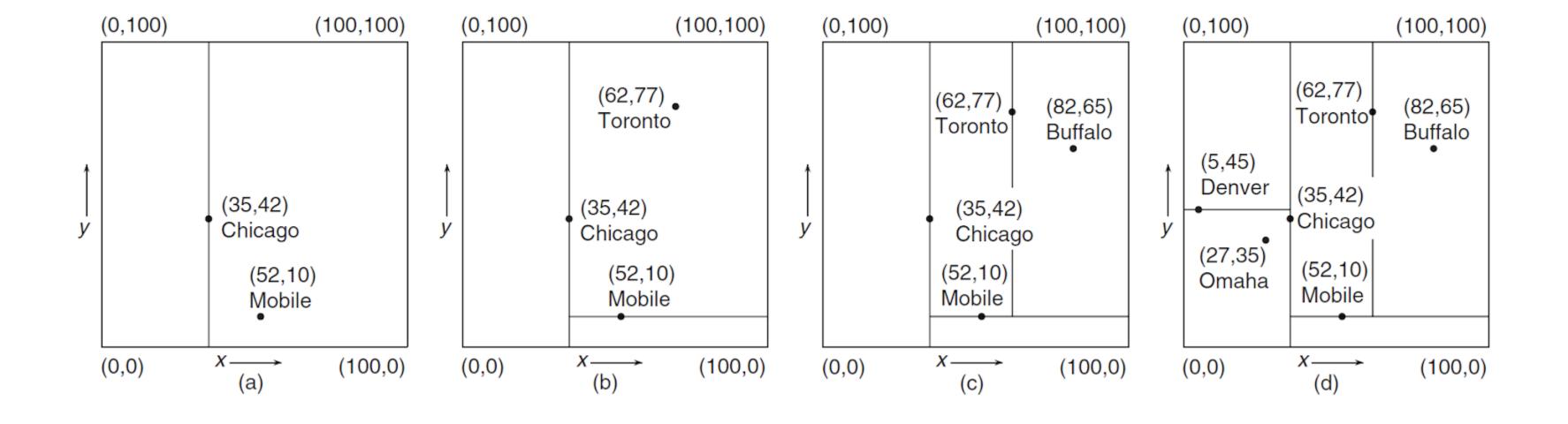


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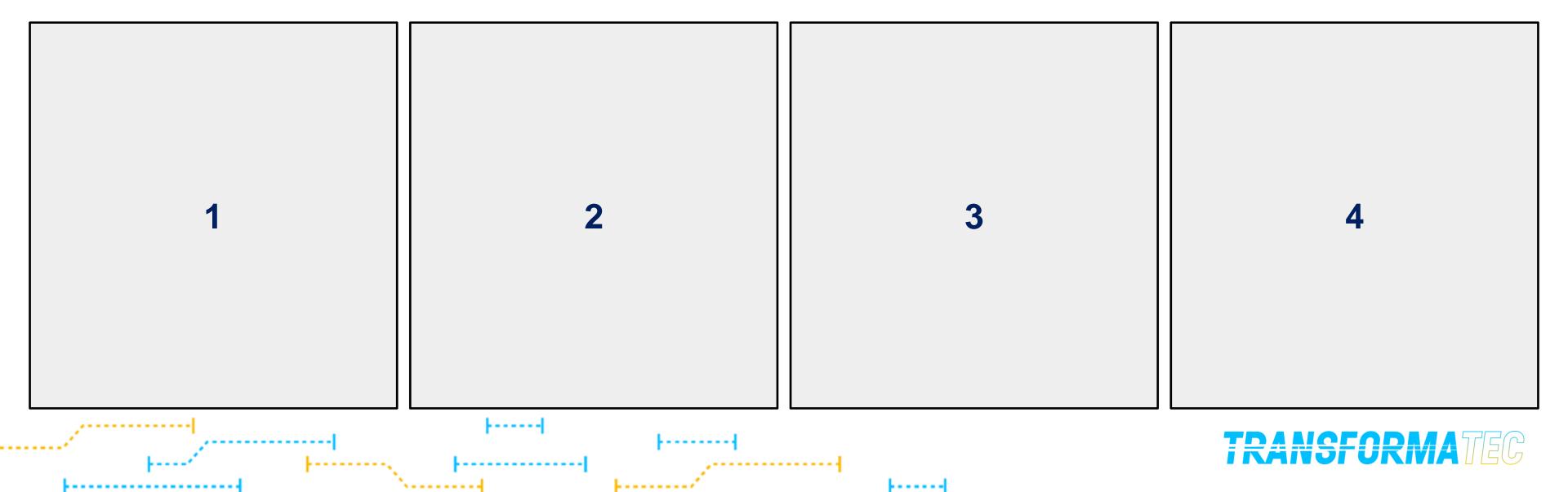
















A: (17, 7)
B: (17, 8)
C: (11, 0)
D: (10, 18)
E: (8, 7)
F: (6, 10)
G: (0, 19)
H: (1, 13)
I: (4, 11)
J: (12,5)

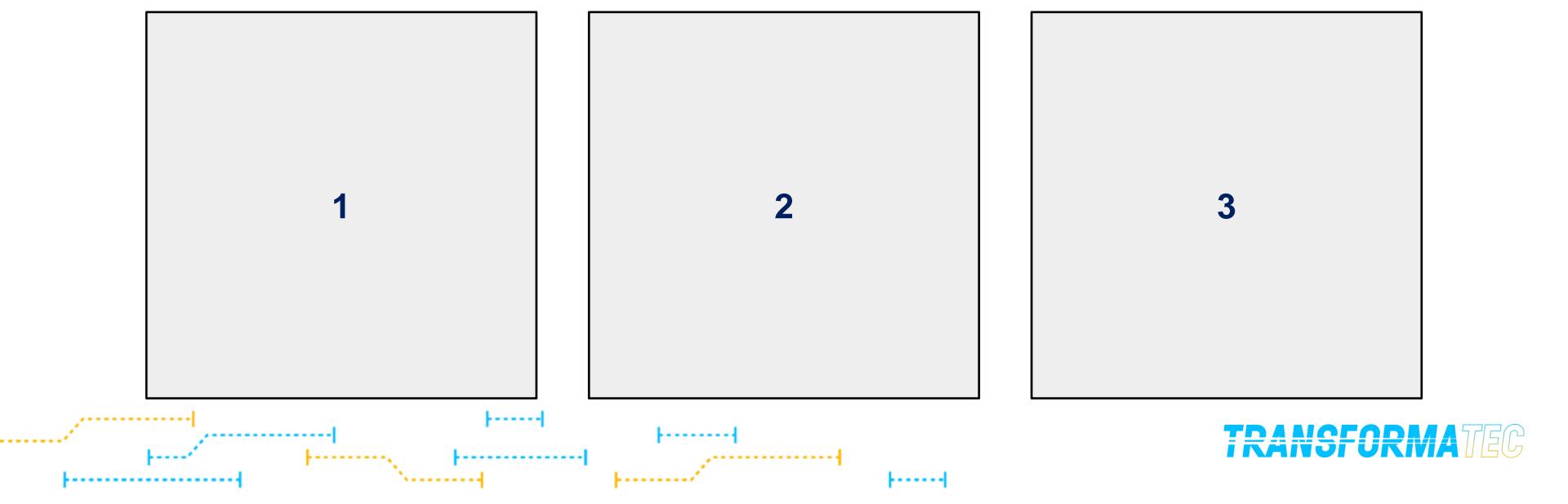
A: (1, 16)	
B: (2, 2)	
C: (10, 16)	
D: (18, 1)	
E: (8, 8)	
F: (14, 2)	
G: (2, 19)	
H: (0, 14)	
I: (3, 5)	
J: (19, 12)	

_ 1 1	
B: (9, 10)	
C: (16, 13)	
D: (1, 6)	
E: (15, 2)	
F: (8, 16)	
G: (6, 3)	
H: (8, 11)	
I: (17, 13)	
J: (10, 16)	

A: (8, 19)

A: (18, 8)
B: (17, 20)
C: (16, 8)
D: (18, 13)
E: (14, 7)
F: (11, 11)
G: (12, 0)
H: (19, 4)
I: (3, 18)
J: (2, 15)









A: (16, 20)	
B: (13, 16)	
C: (1, 0)	
D: (6, 2)	
E: (19, 4)	
F: (14, 20)	
G: (8, 19)	
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A: (5, 5)
B: (19, 17)
C: (18, 2)
D: (16, 18)
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F: (6, 9)
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H: (3, 17)
I: (18, 17)
J: (4, 3)

A: (18, 6)
B: (4, 7)
C: (14, 10)
D: (7, 13)
E: (17, 4)
F: (1, 12)
G: (18, 6)
H: (11, 15)
I: (9, 4)
J: (8, 8)







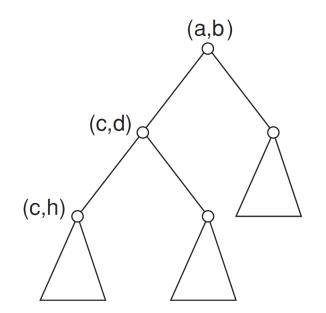




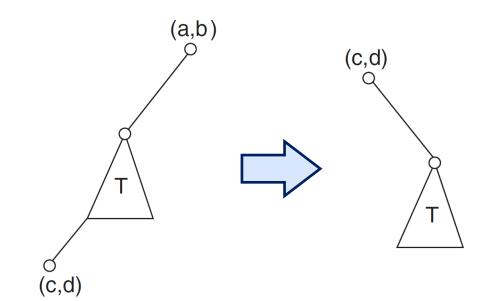


- 1.Si el nodo es una **hoja**: se borra
- 2.Si es nodo interno

Si hay sub-árbol derecho



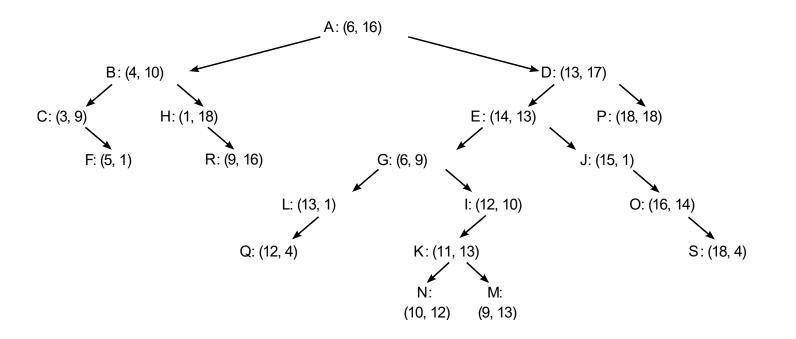
Si no hay sub-árbol derecho

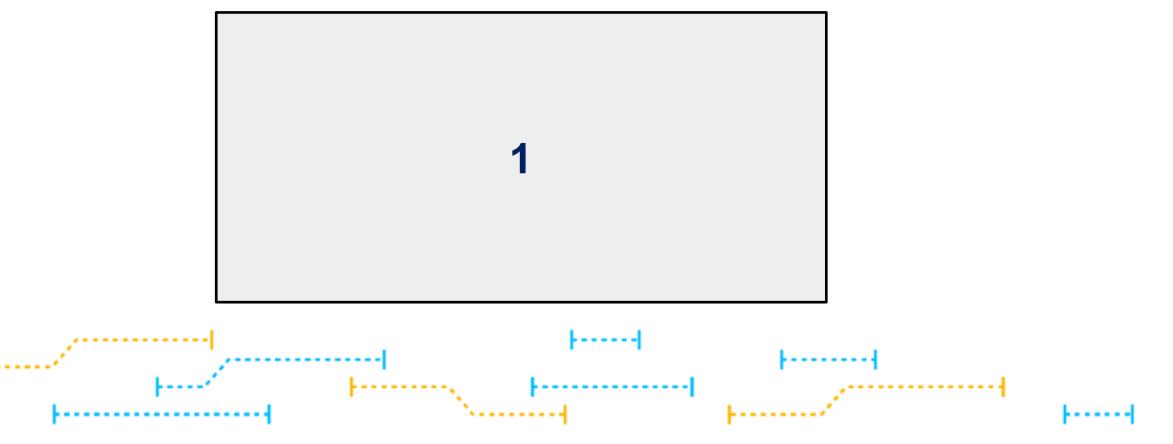








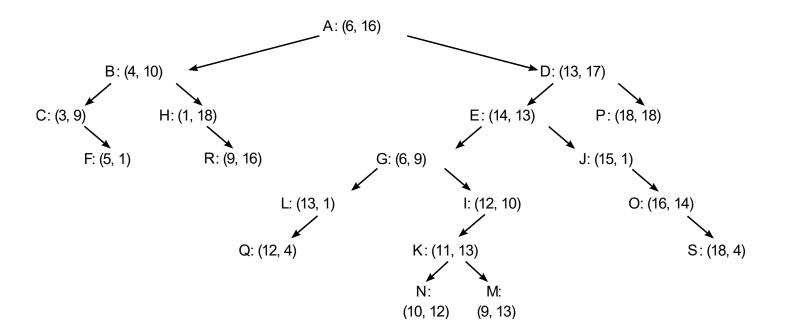




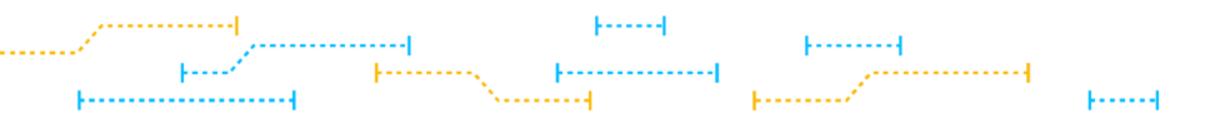
+3 pts





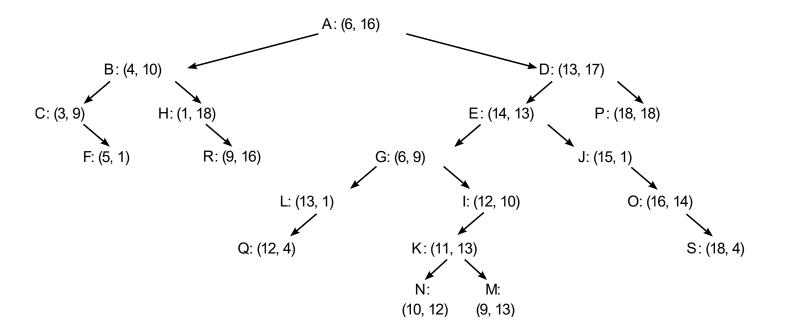


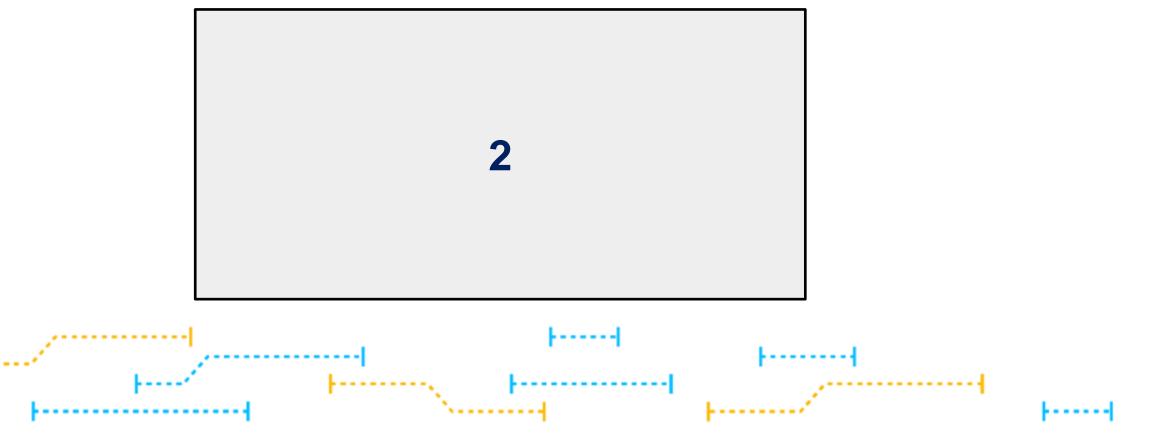
S, R, J, P, O +3 pts







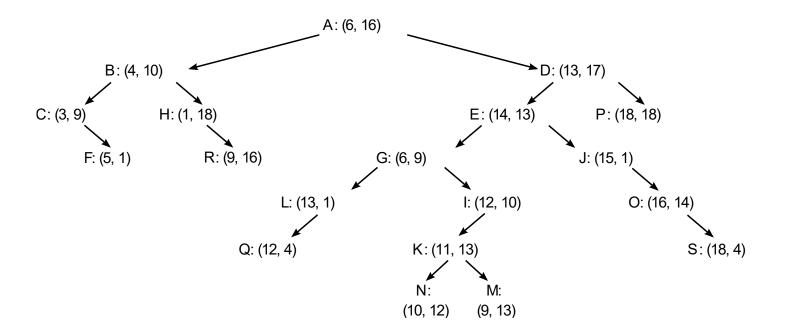




+2.5 pts







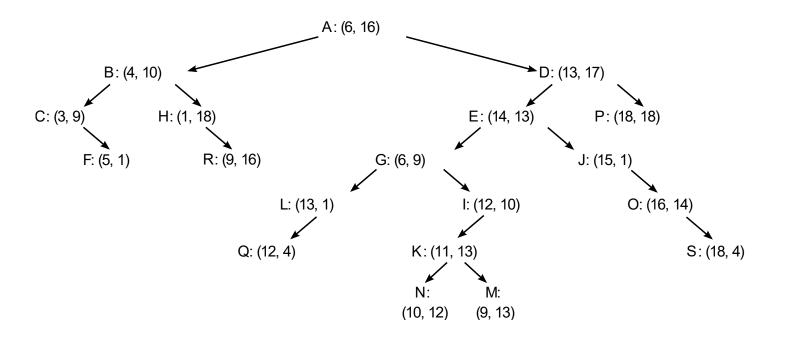
F, C, J, G, D

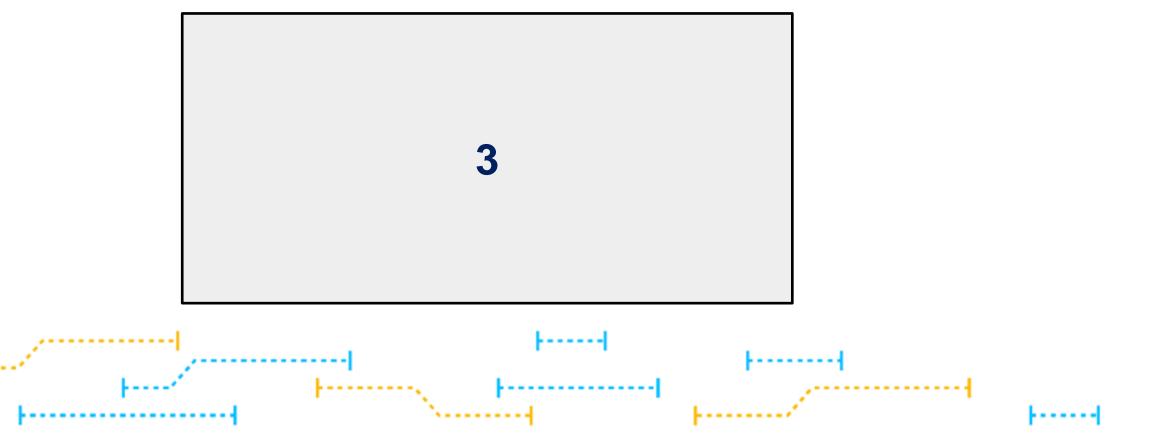
+2.5 pts







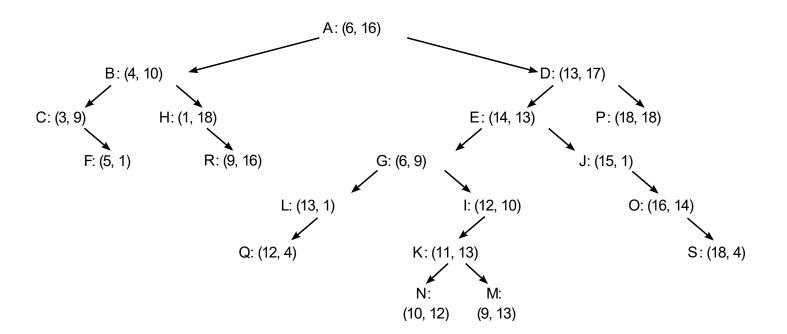




+2 pts





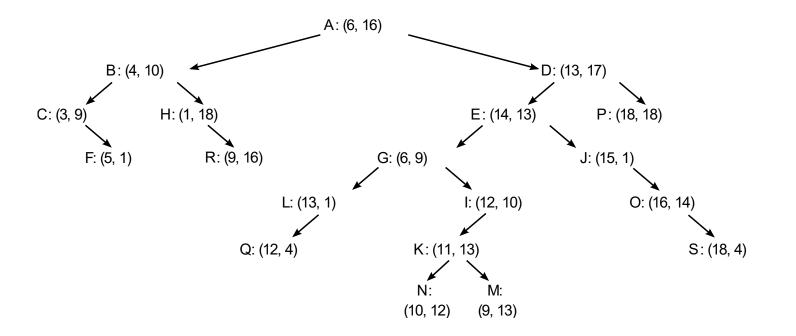


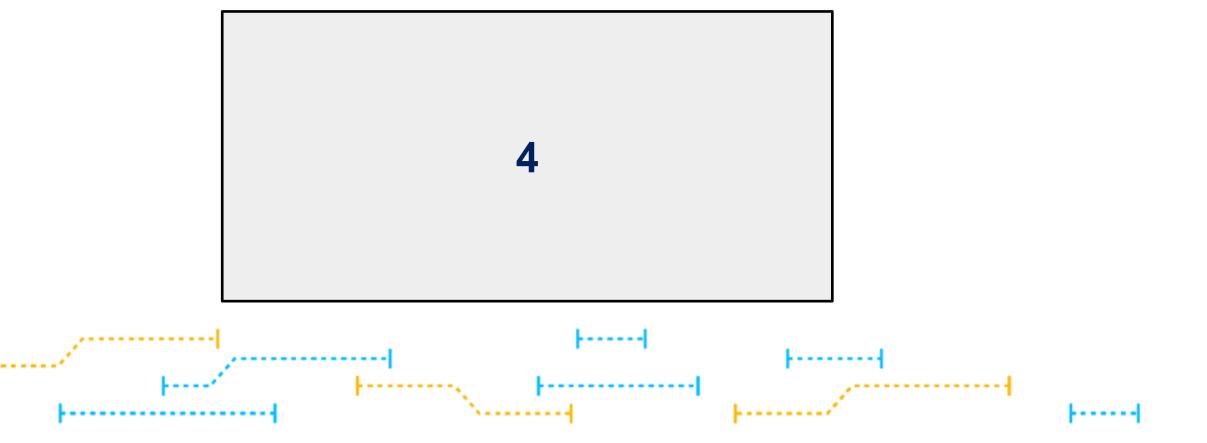
H, N, D, L, G +2 pts







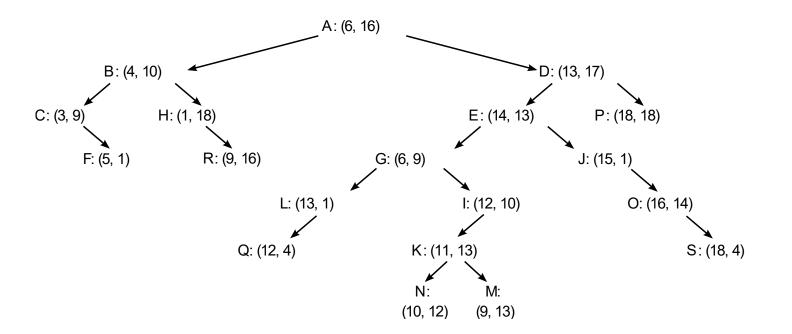




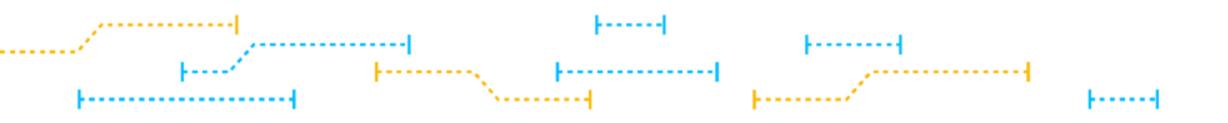
+1.5 pts





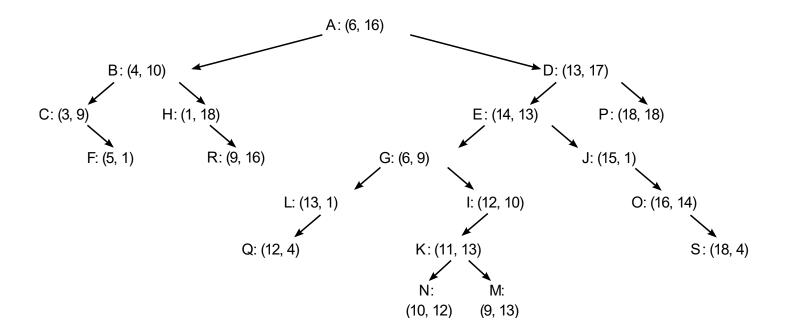


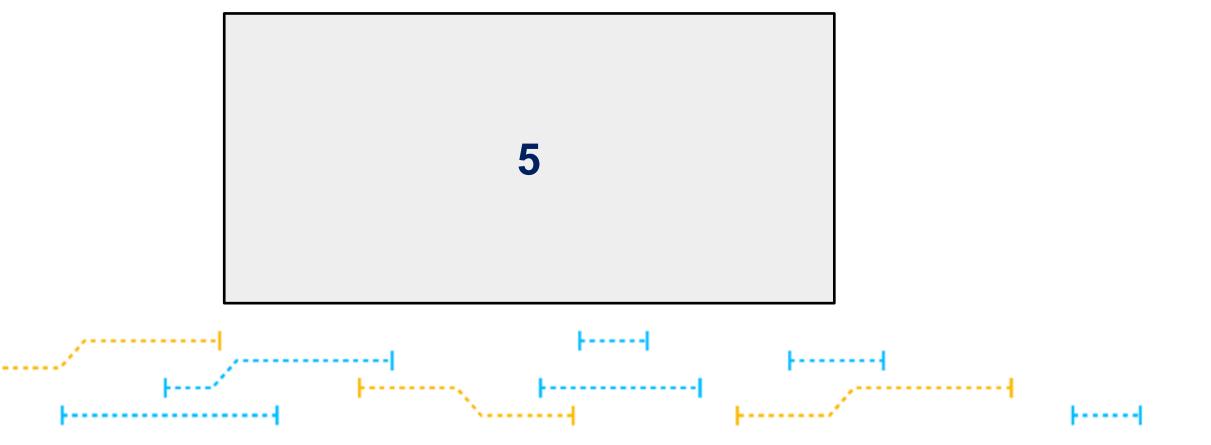
G, H, N, S, B +1.5 pts







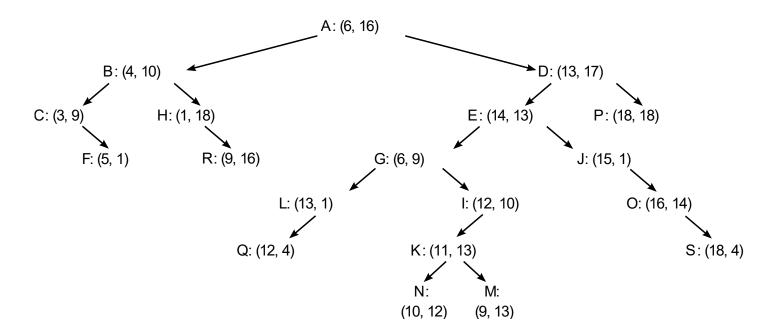




+1 pts





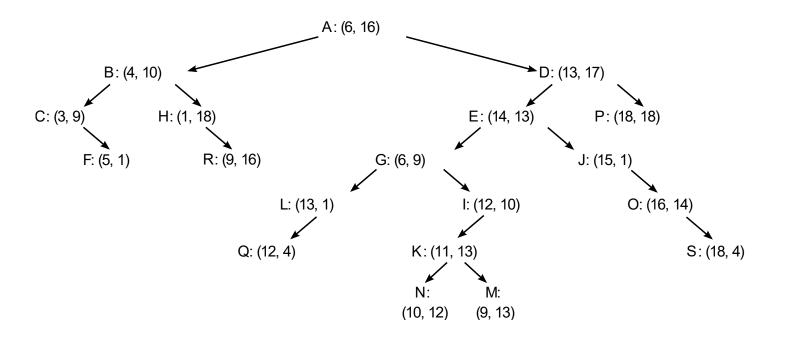


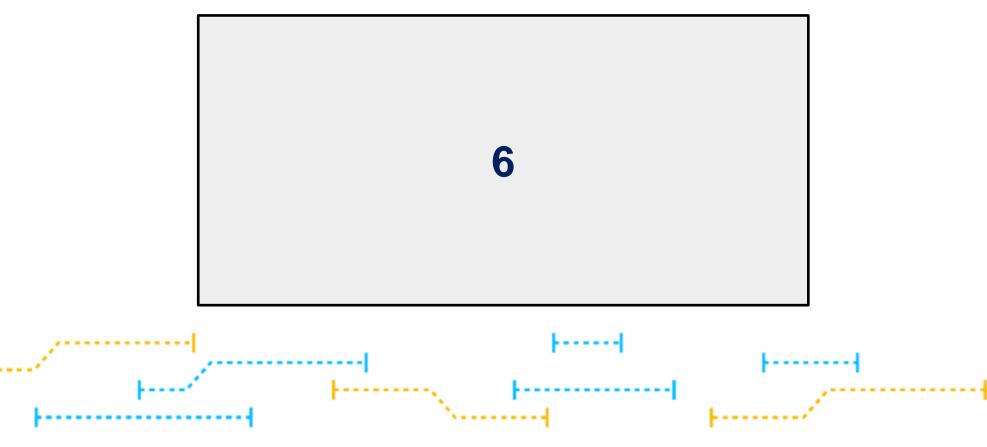
K, C, S, Q, P +1 pts







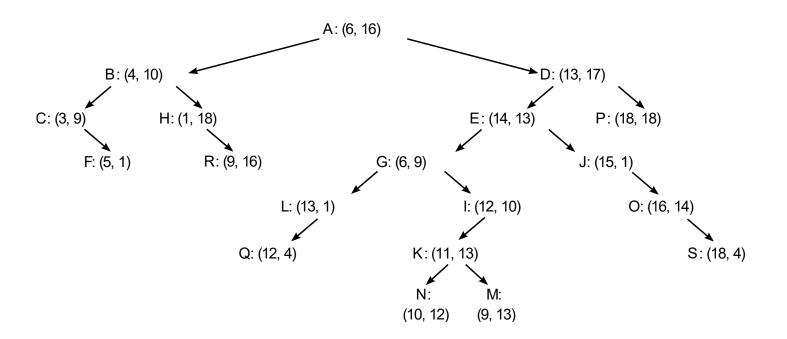




+0.5 pts







G, S, K, A, B

+0.5 pts







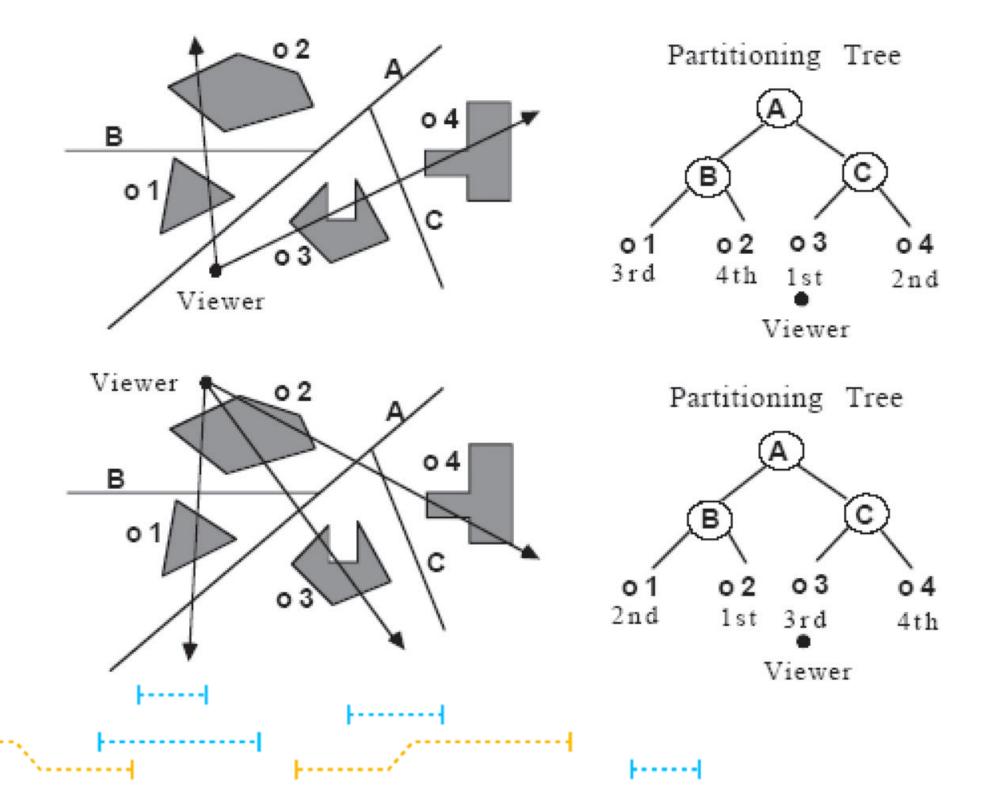
5.





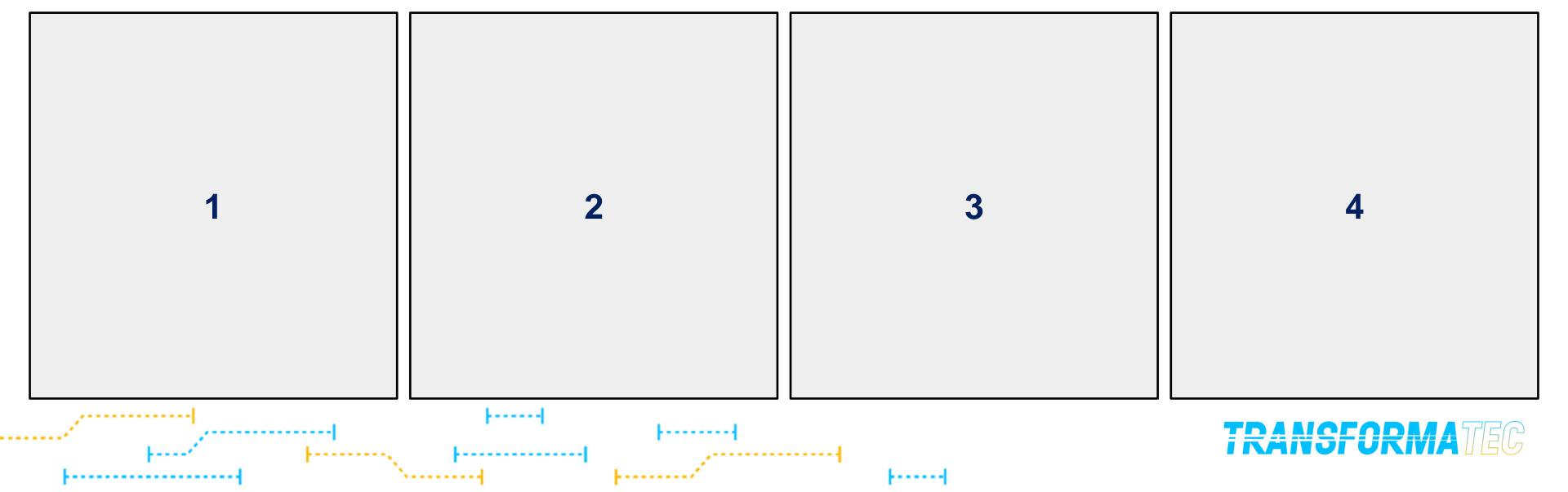


BSP-tree: Visualización





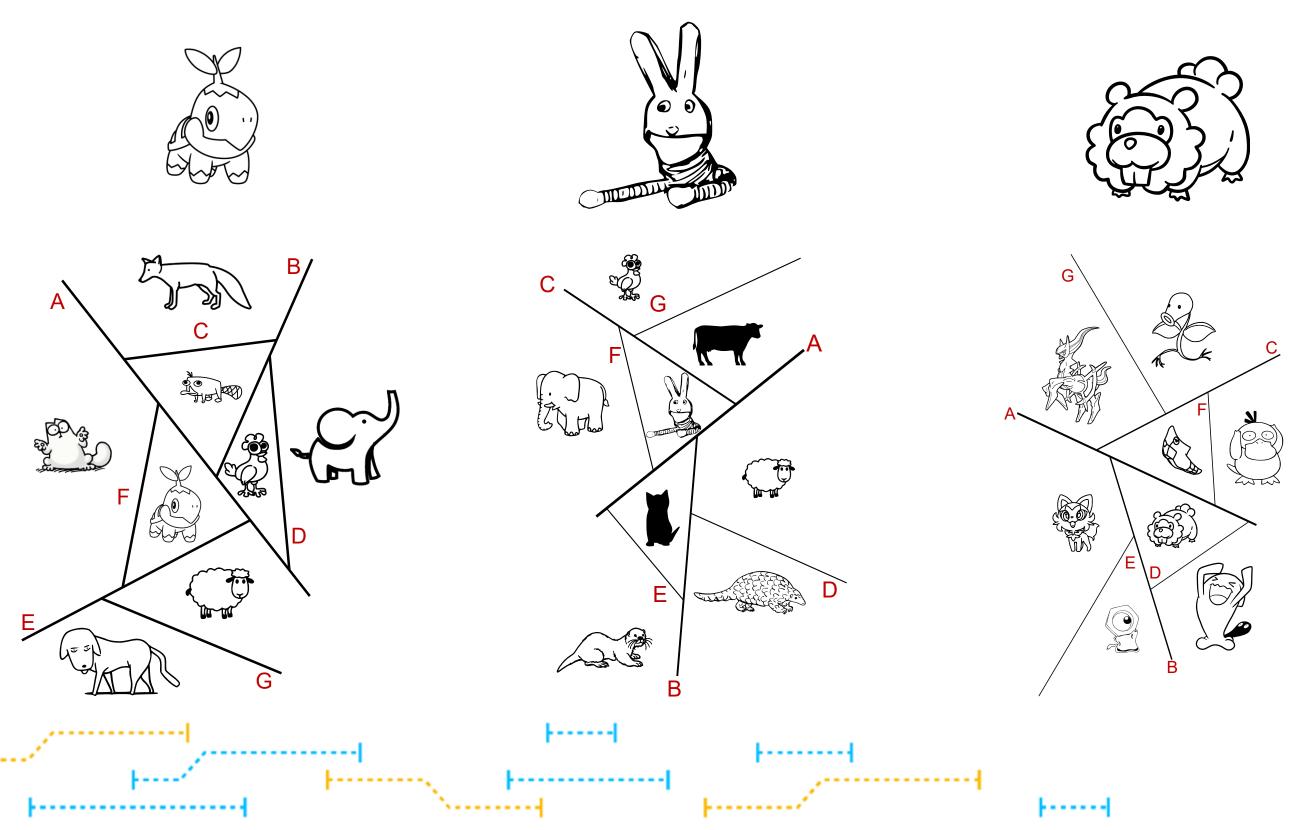
BSP-tree: Visualización

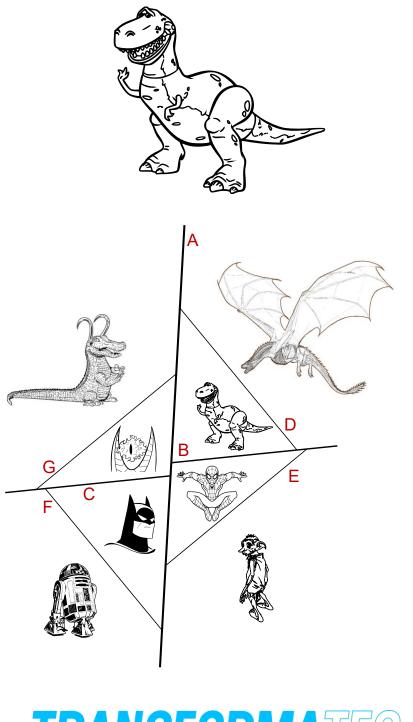






BSP-tree: Visualización

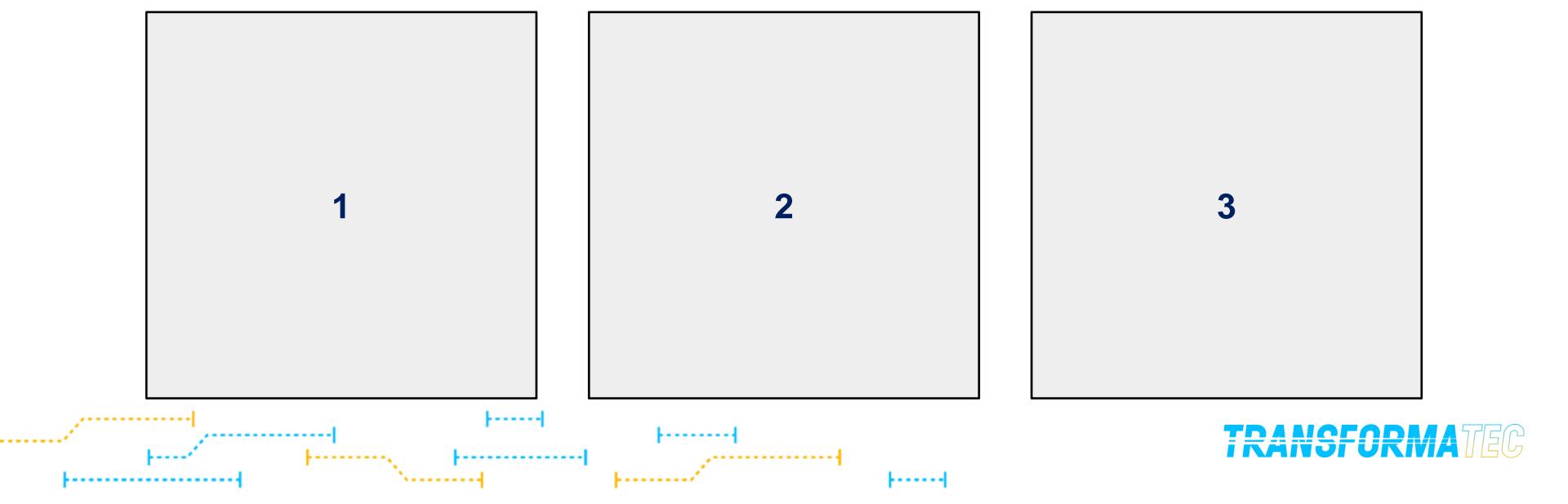








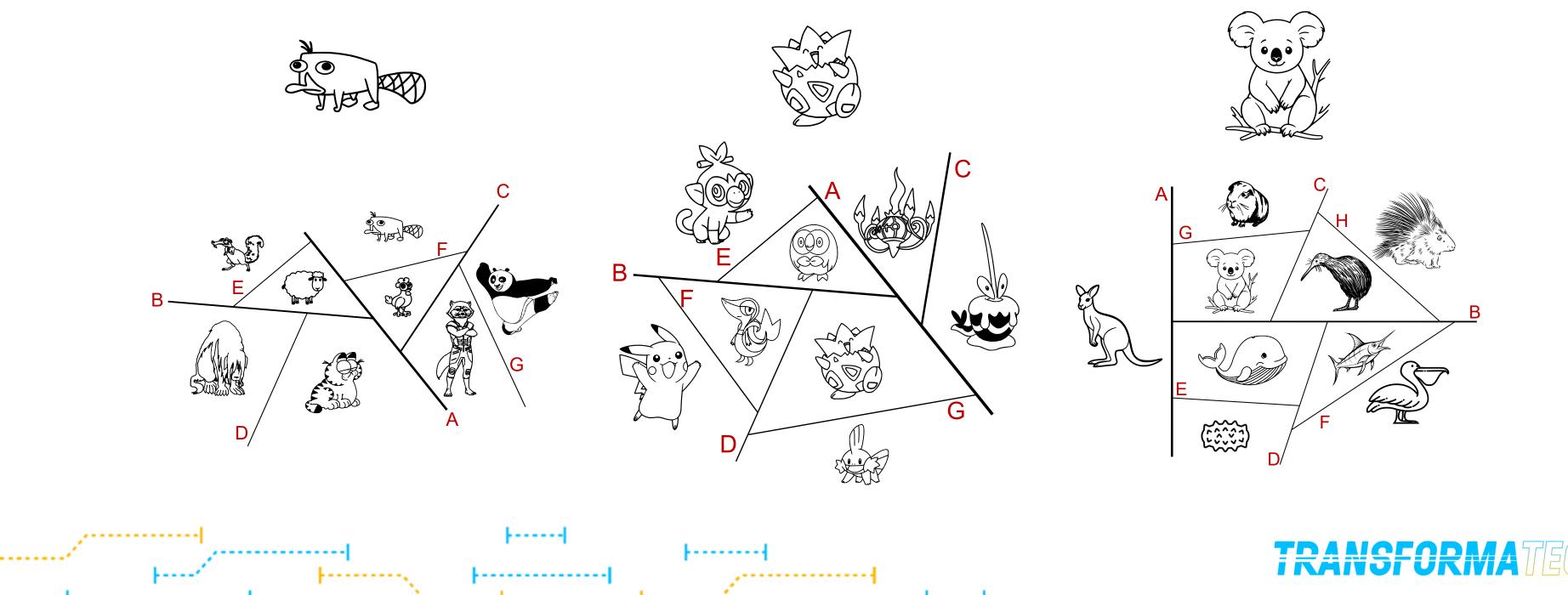
BSP-tree: Visualización







BSP-tree: Visualización





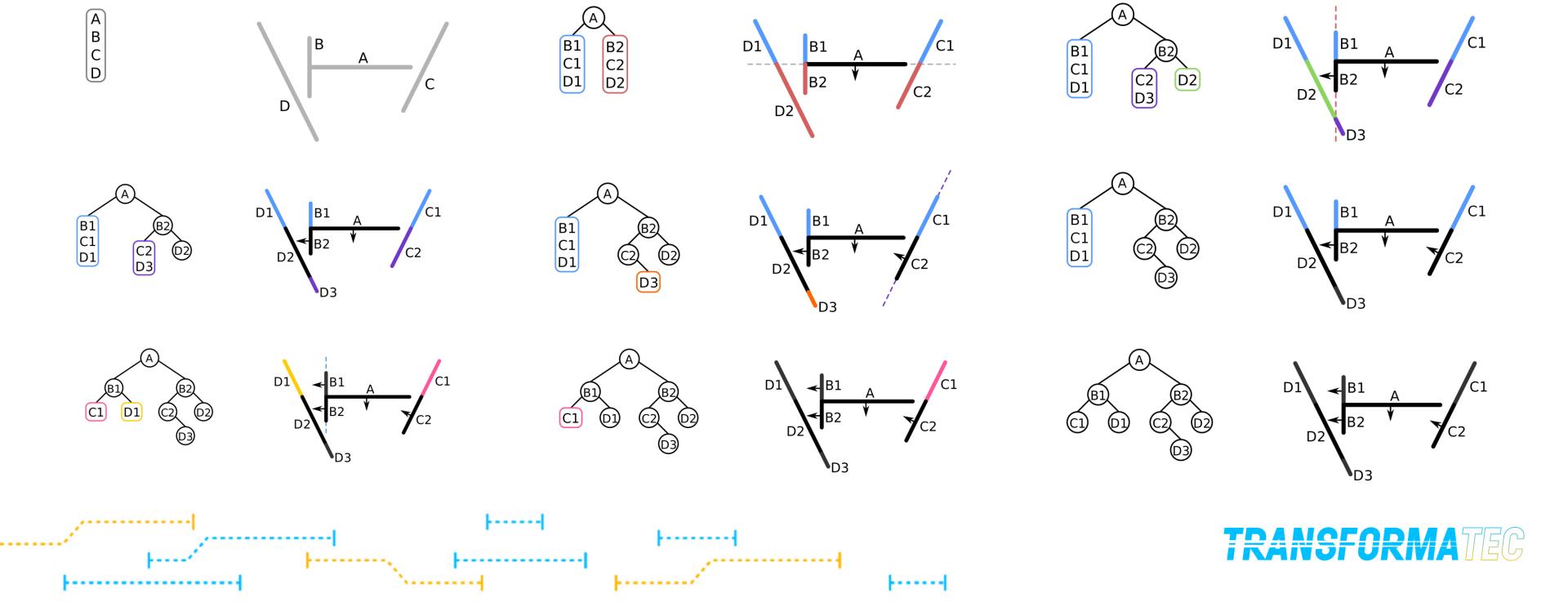
6.



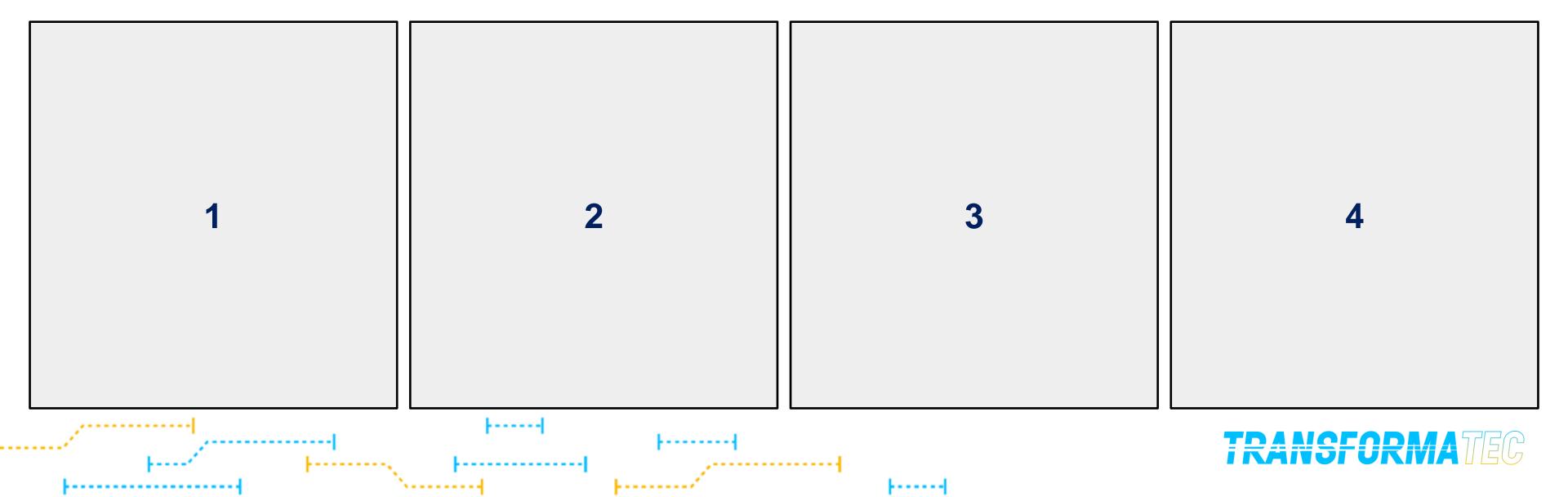




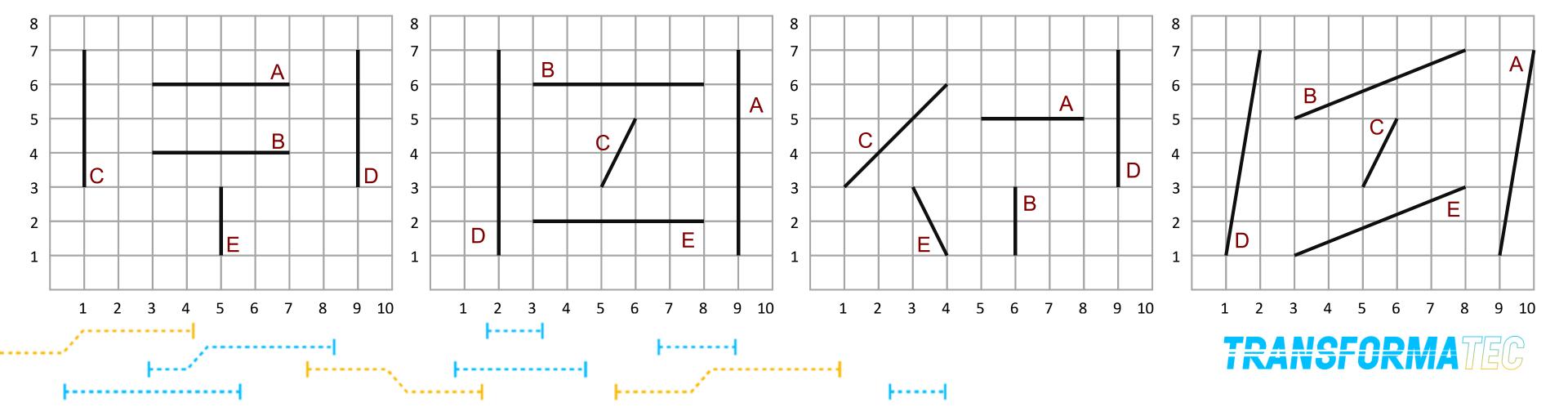




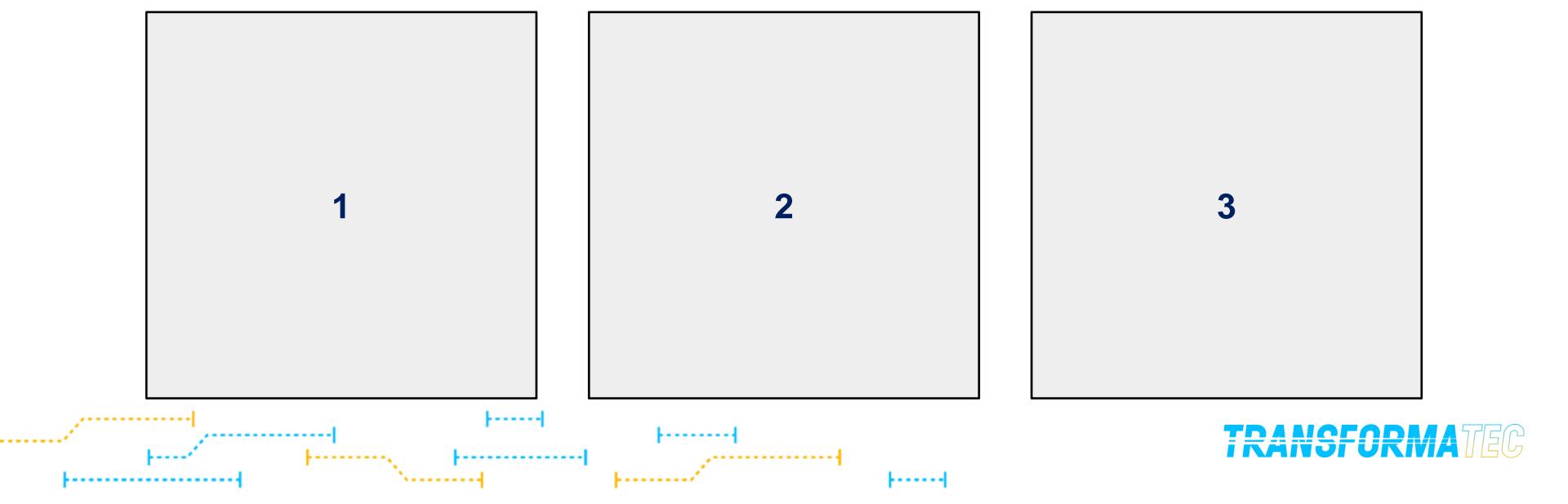






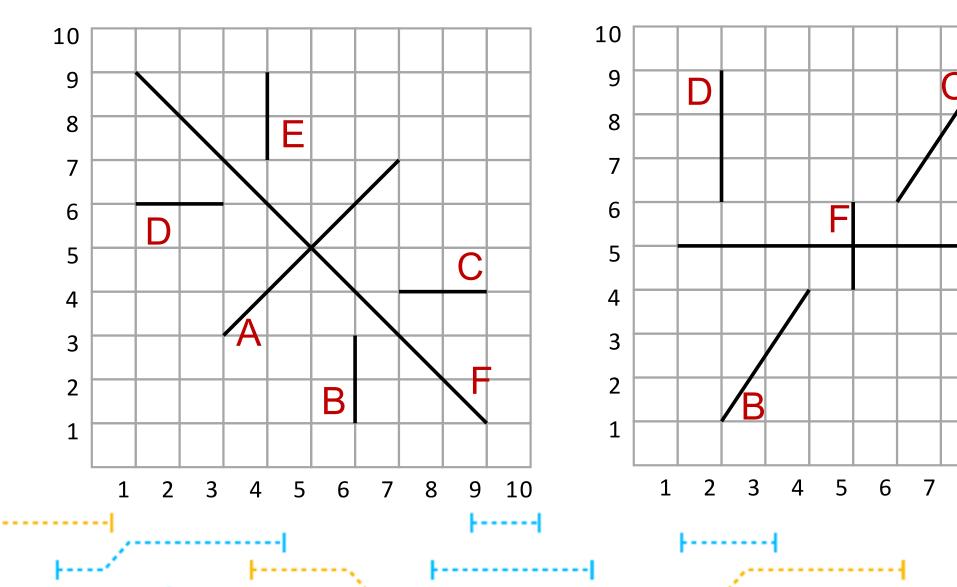


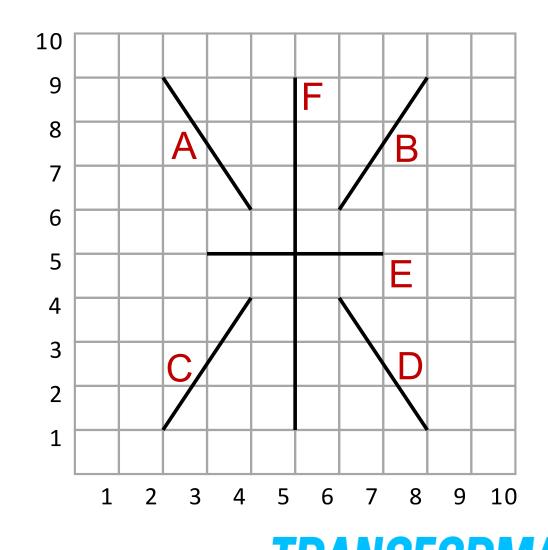














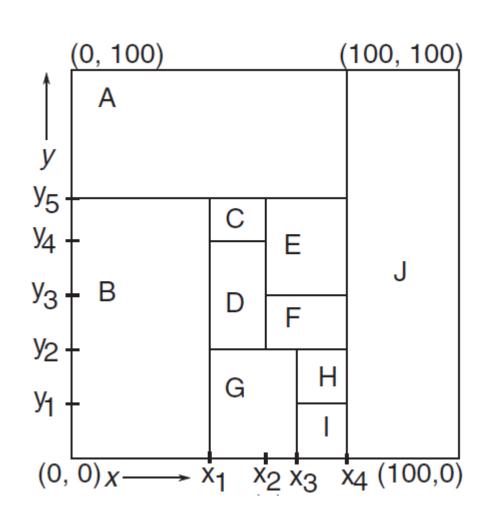
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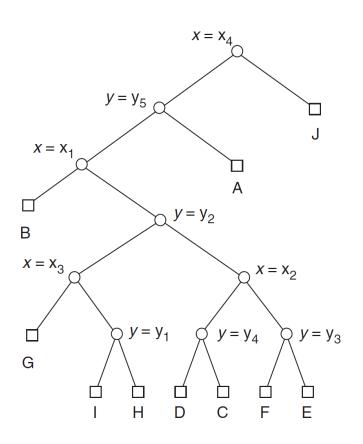




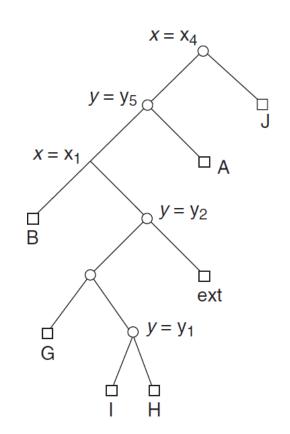


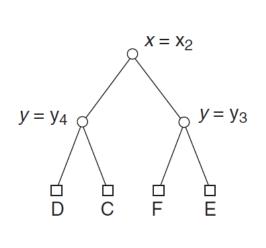
hB-Tree: Split





Recorremos el árbol descendiendo por elsubárbol con el mayor número de nodos de hoja, hasta obtener un tercio y dos tercios del número total de regiones de la página de regiones desbordadas.





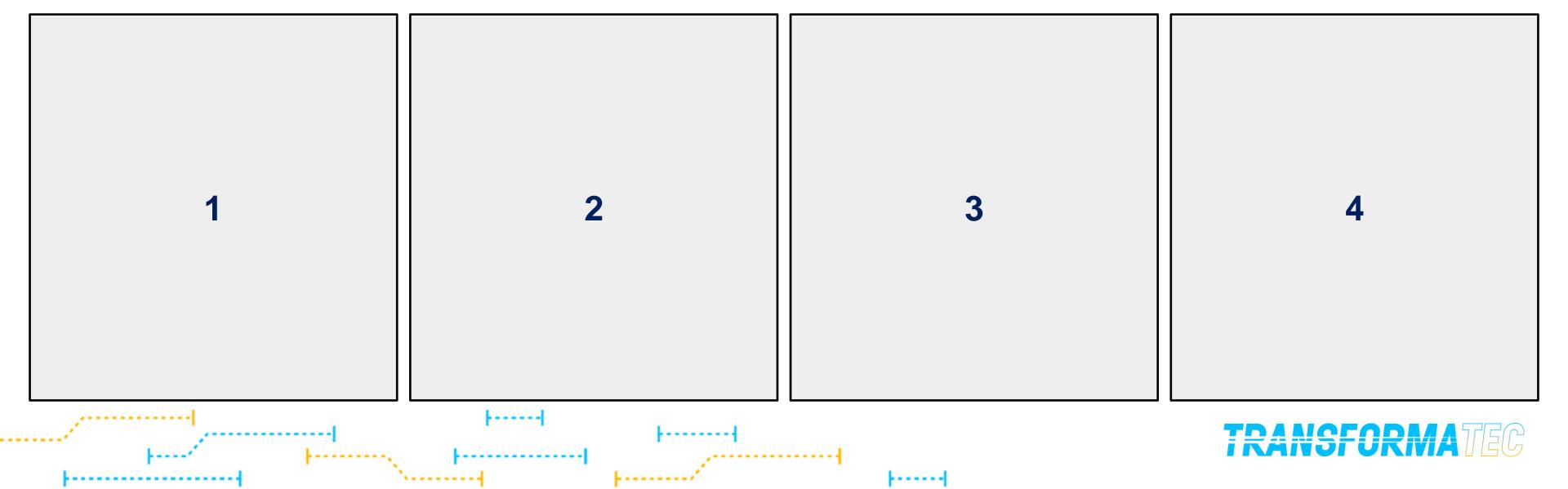








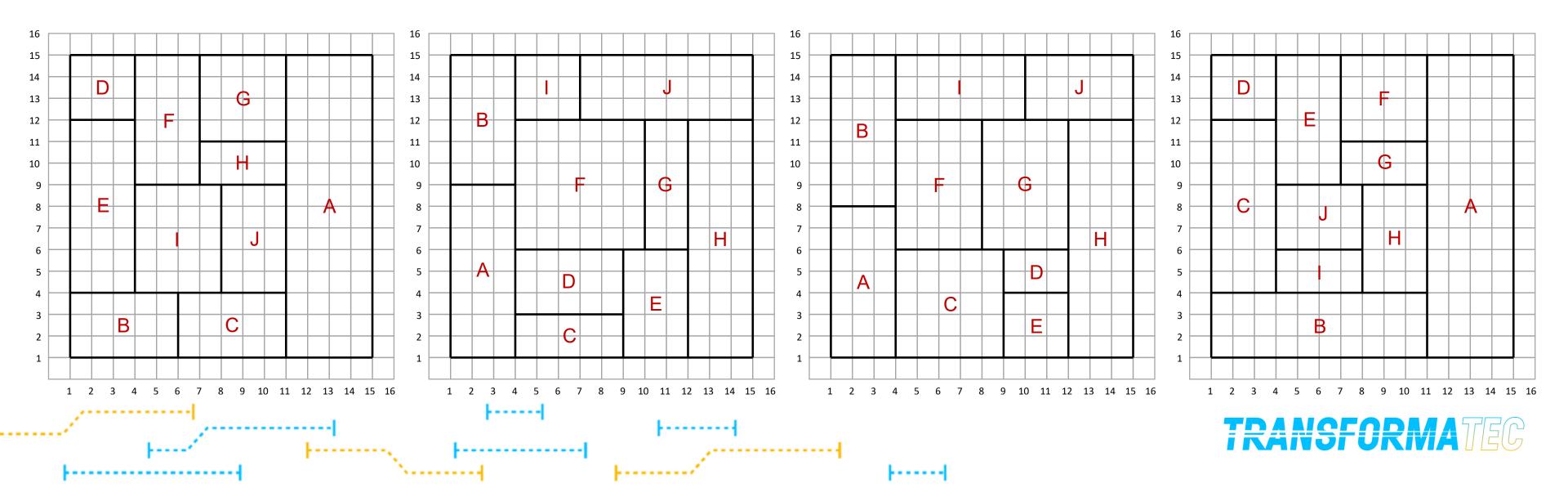
hB-Tree: Split





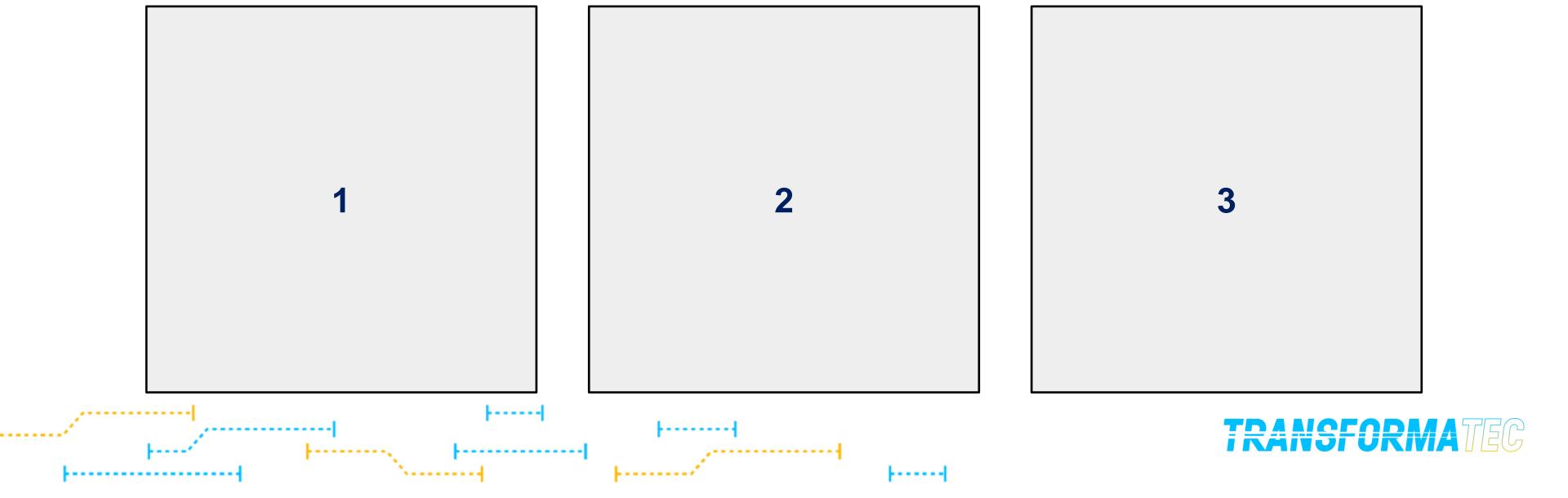


hB-Tree: Split





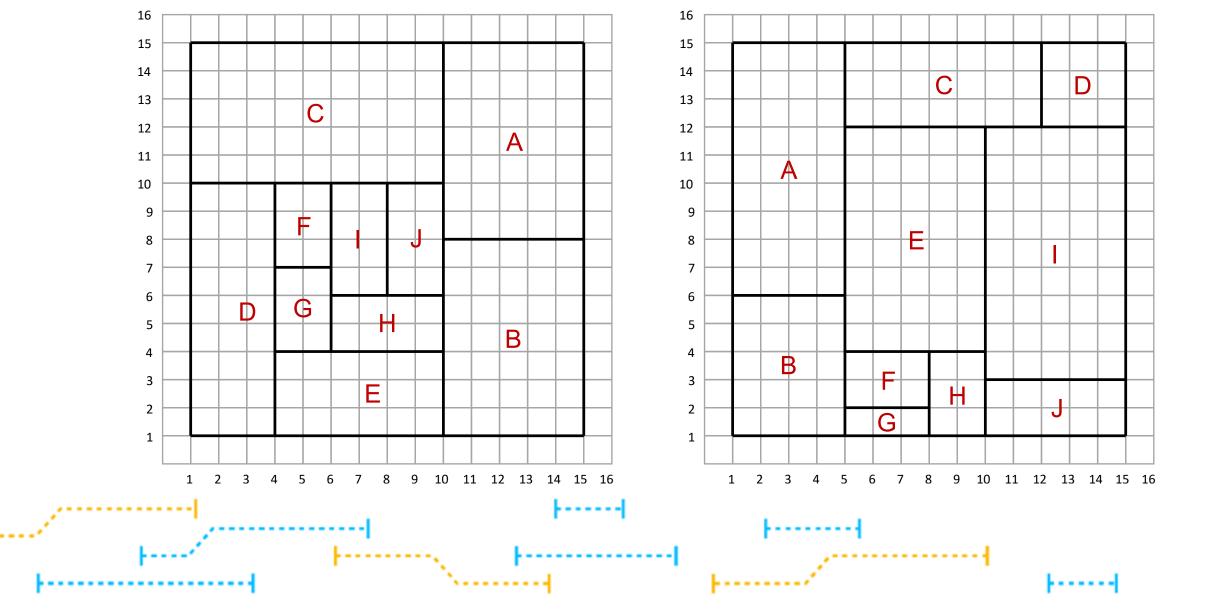
hB-Tree: Sp/it

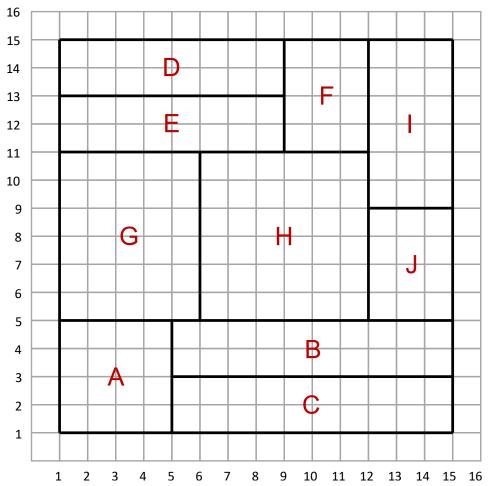






hB-Tree: Sp/it







> Reinventa el mundo <

GRACIAS

Victor Flores Benites

