

# Sesión 3.2: BSP-Tree

**CS3102 EDA**



# Índice

## 1. BSP-Tree



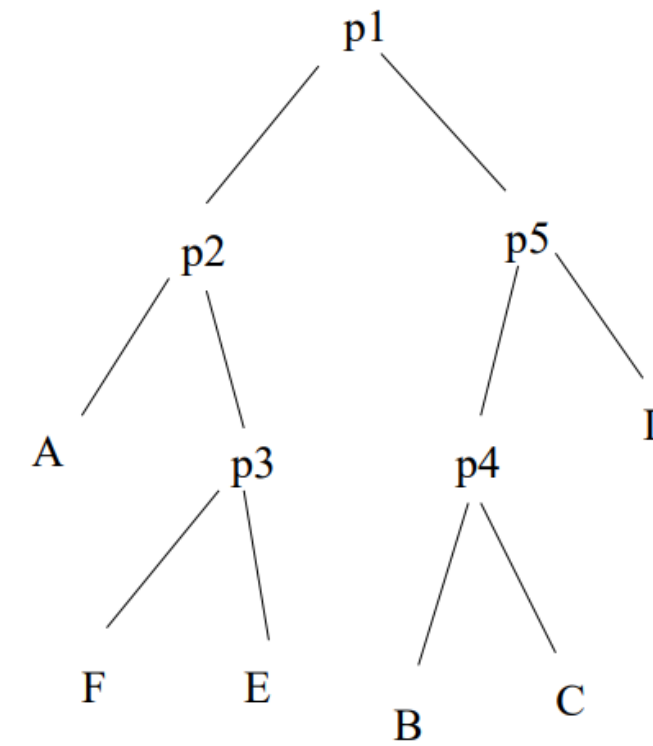
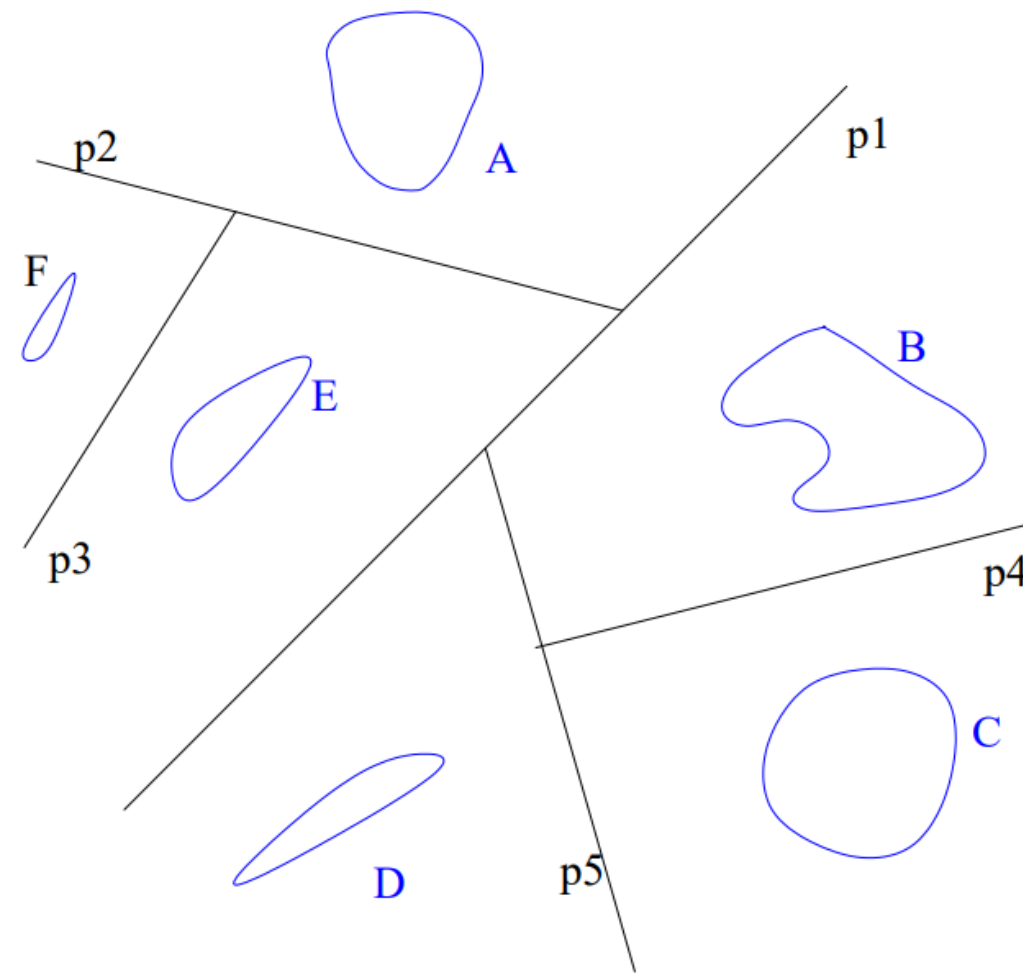


# 1. BSP-Tree



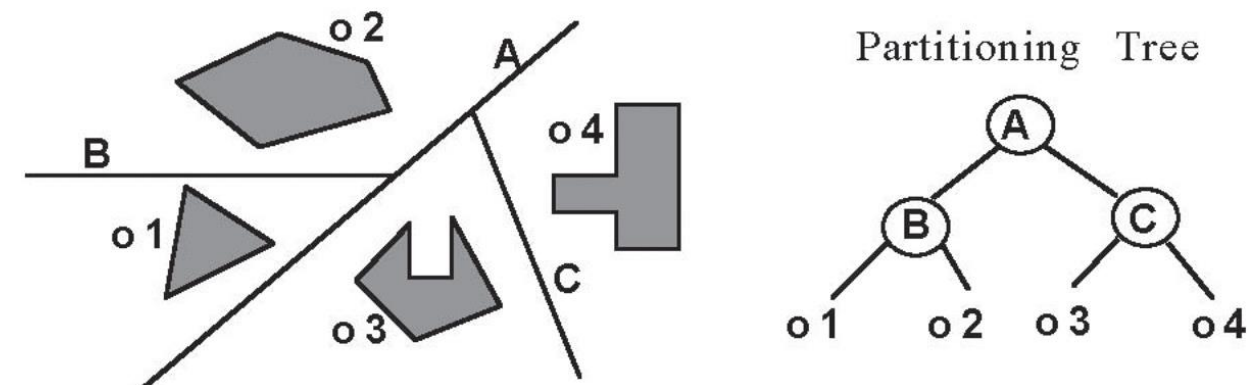
# BSP Tree

(binary space partitioning tree)

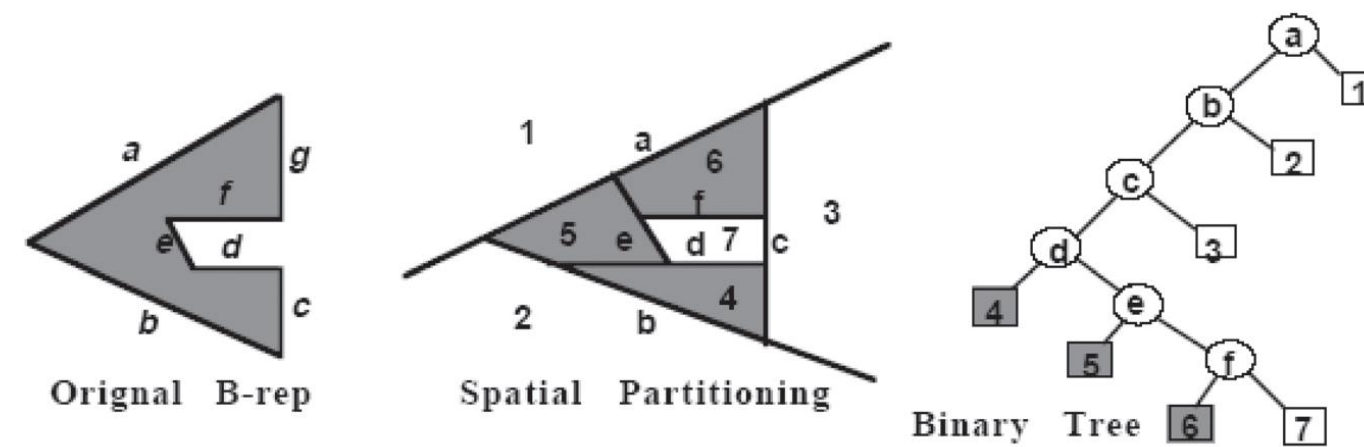


# BSP Tree

Inter-object spatial relations

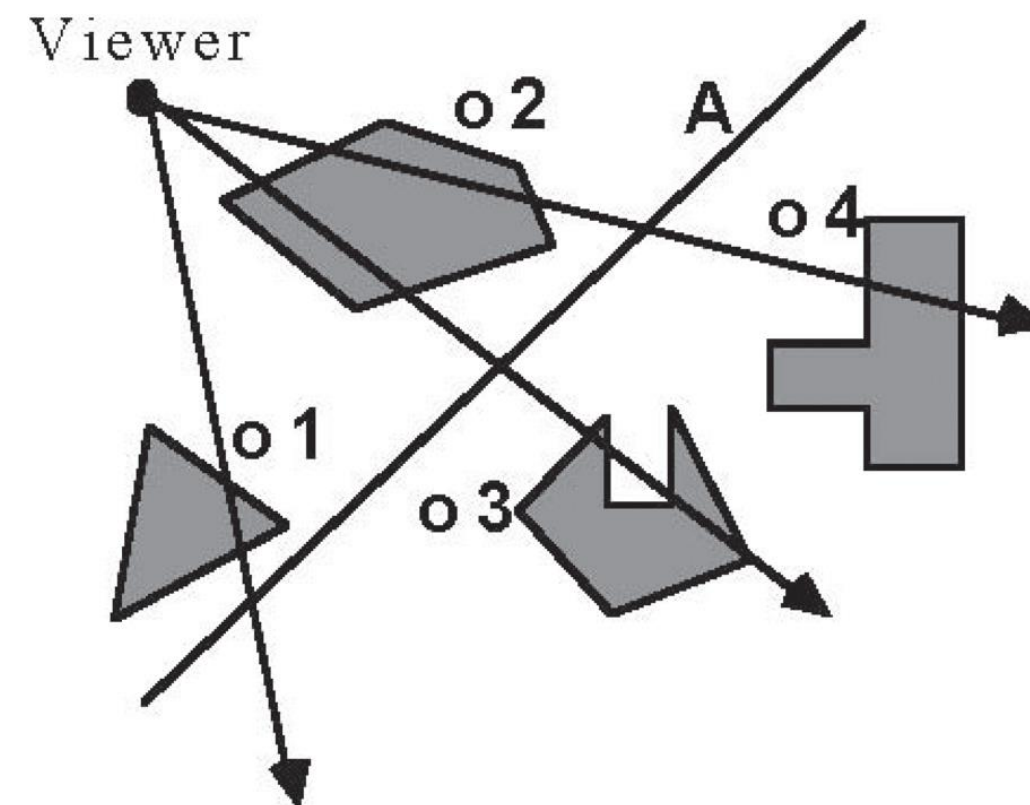


Intra-object spatial relations

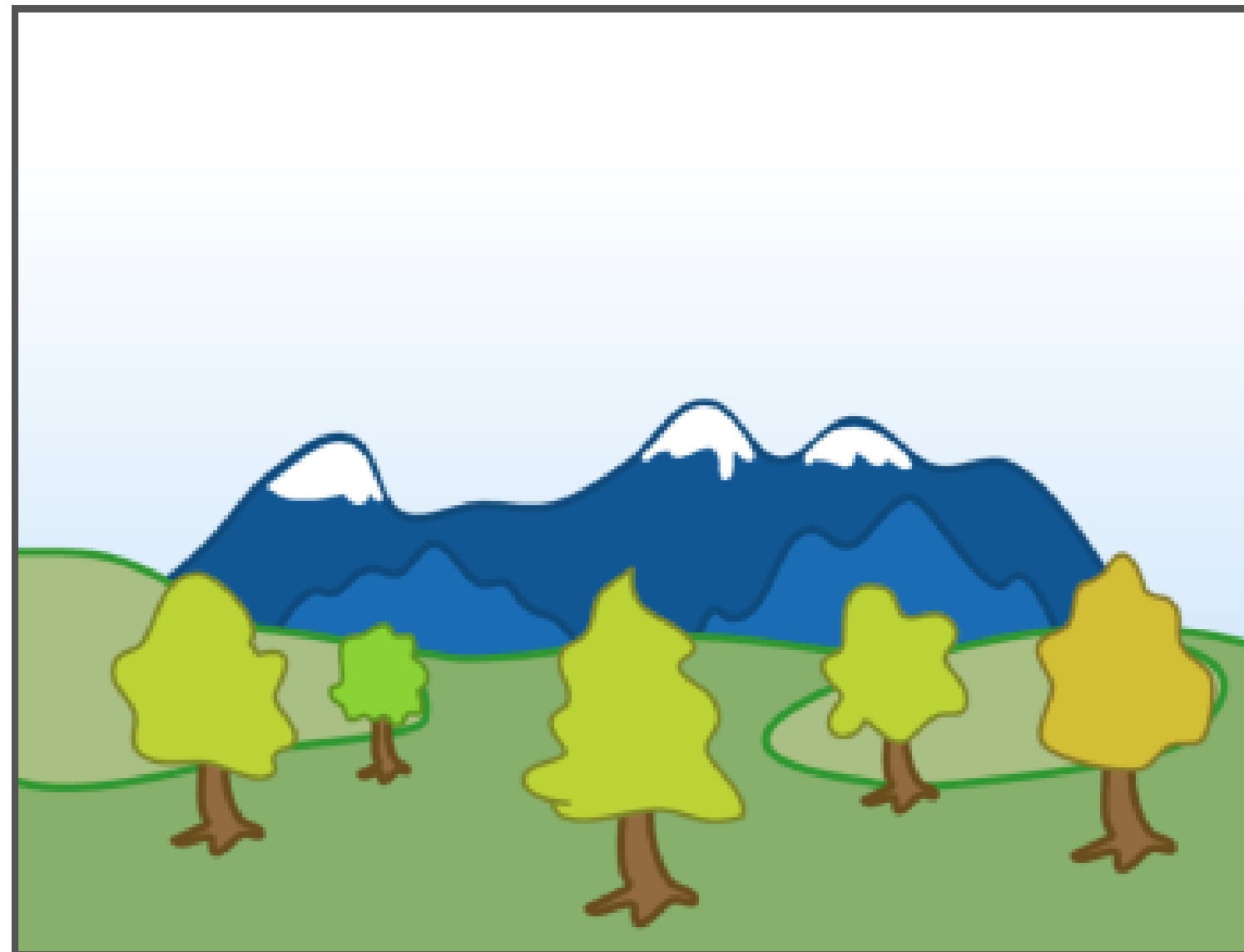


Partitioning Tree representation of intra-object spatial relations

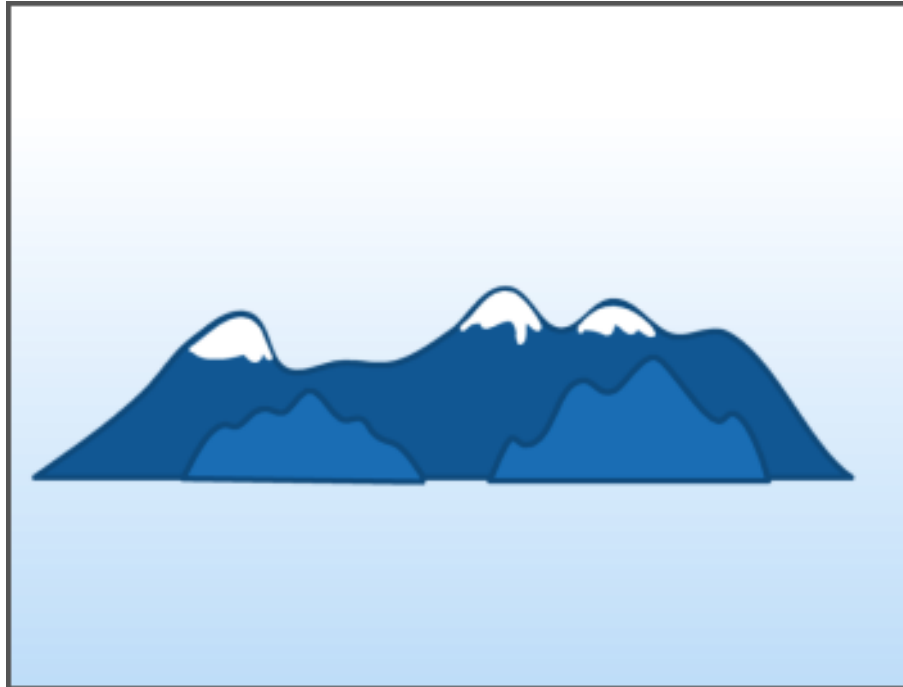
# BSP Tree



# Painter's Algorithm

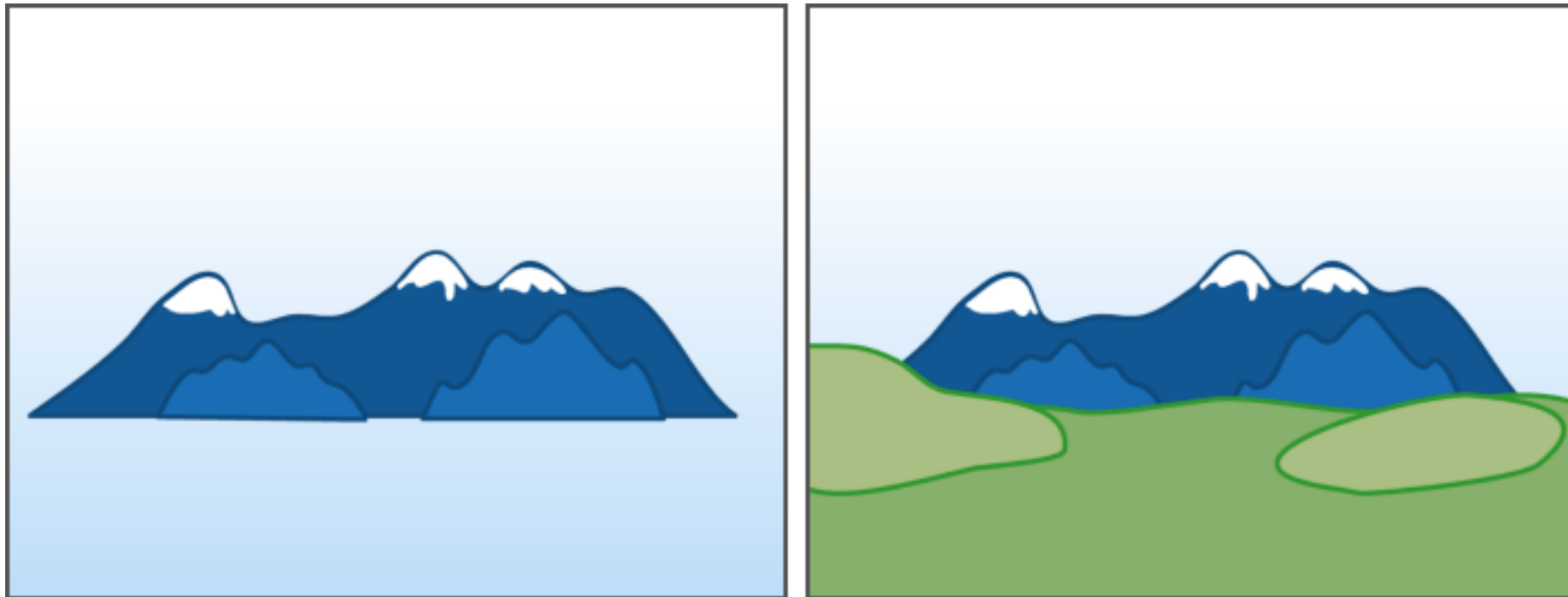


# Painter's Algorithm

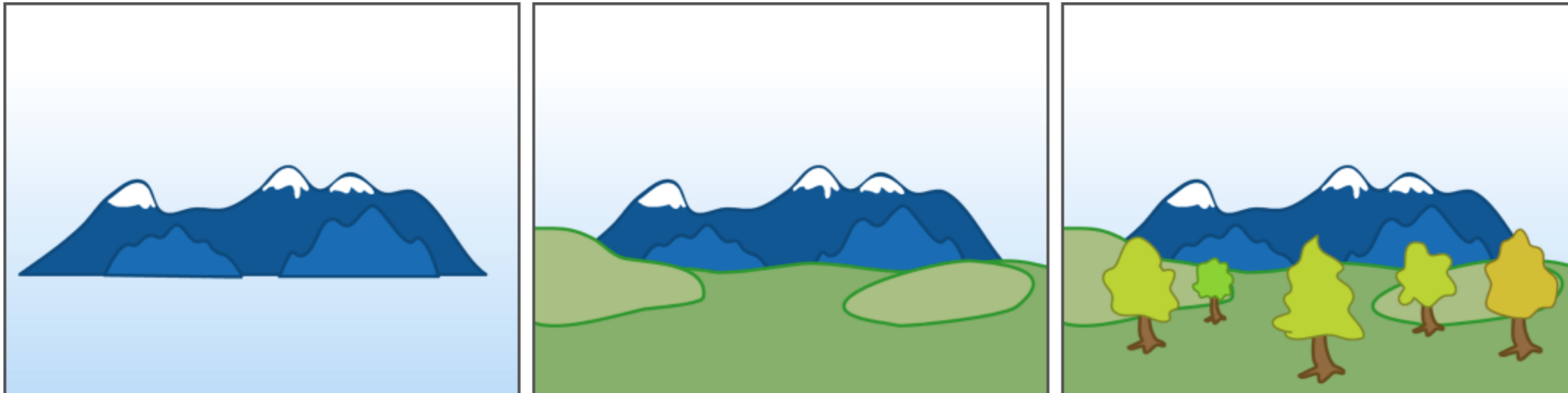




# Painter's Algorithm

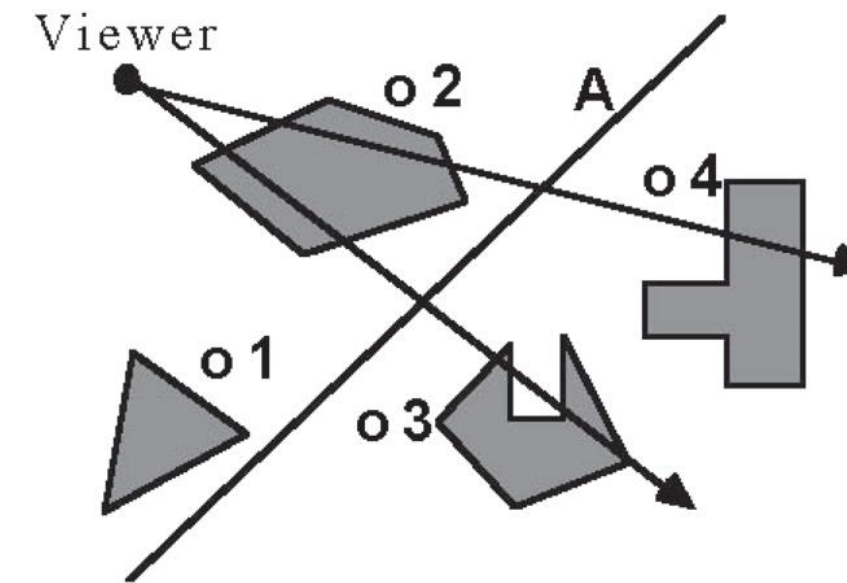


# Painter's Algorithm

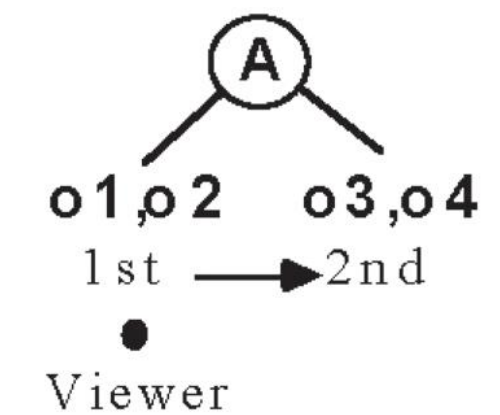


# Orden de visibilidad

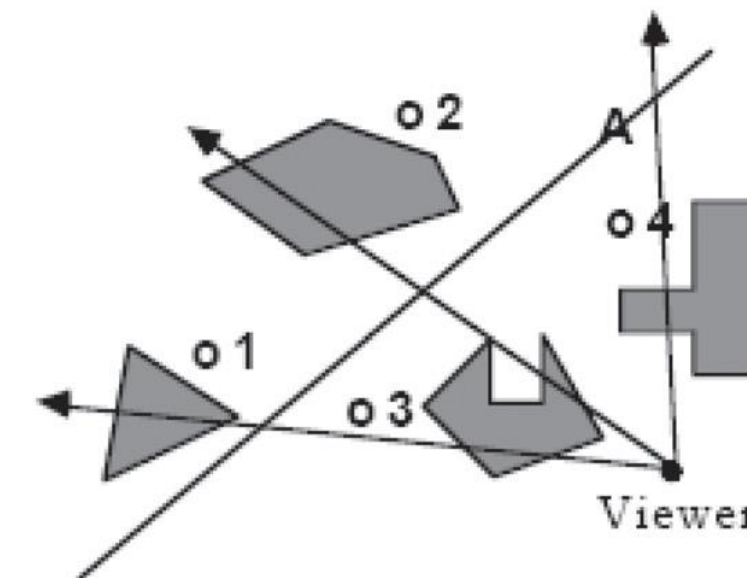
El lado izquierdo tiene prioridad sobre el derecho.



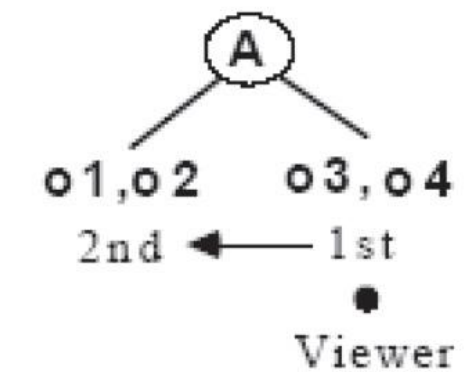
Partitioning Tree



El lado derecho tiene prioridad sobre el lado izquierdo.

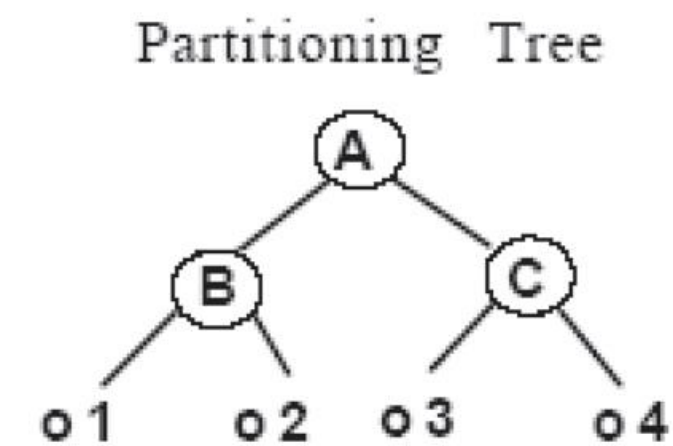
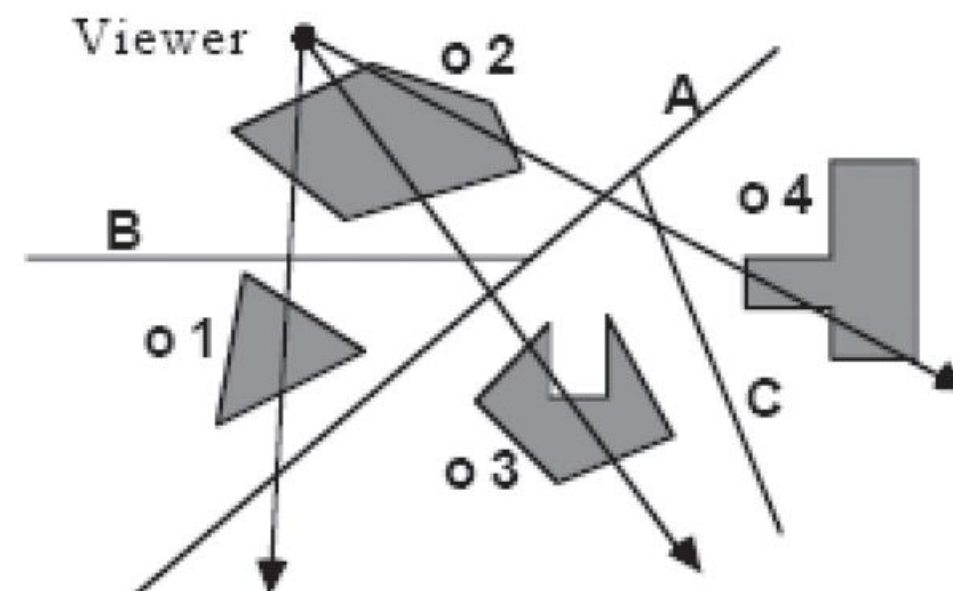
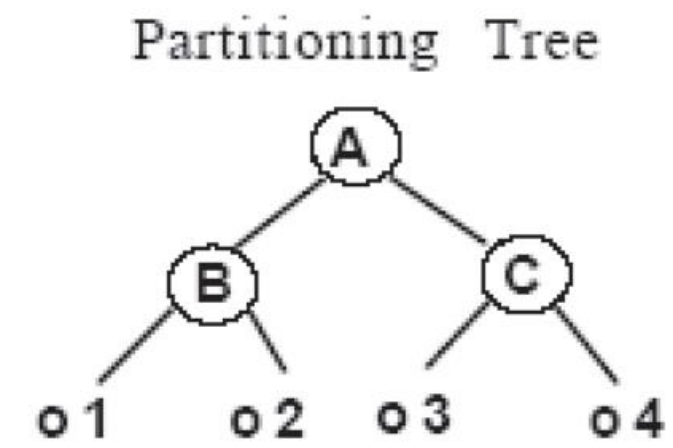
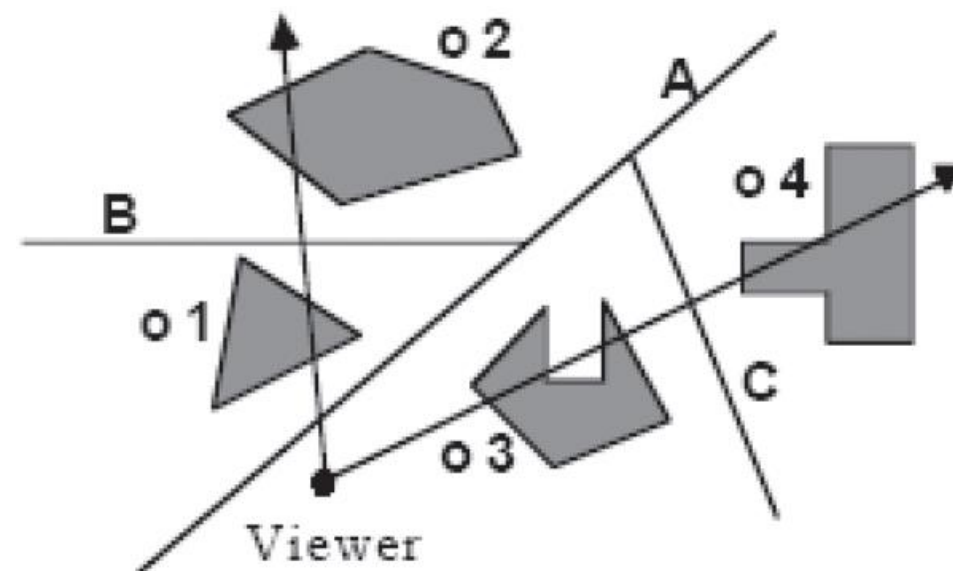


Partitioning Tree

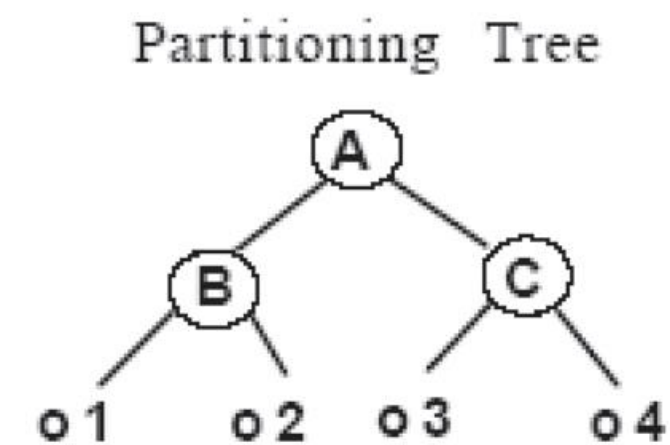
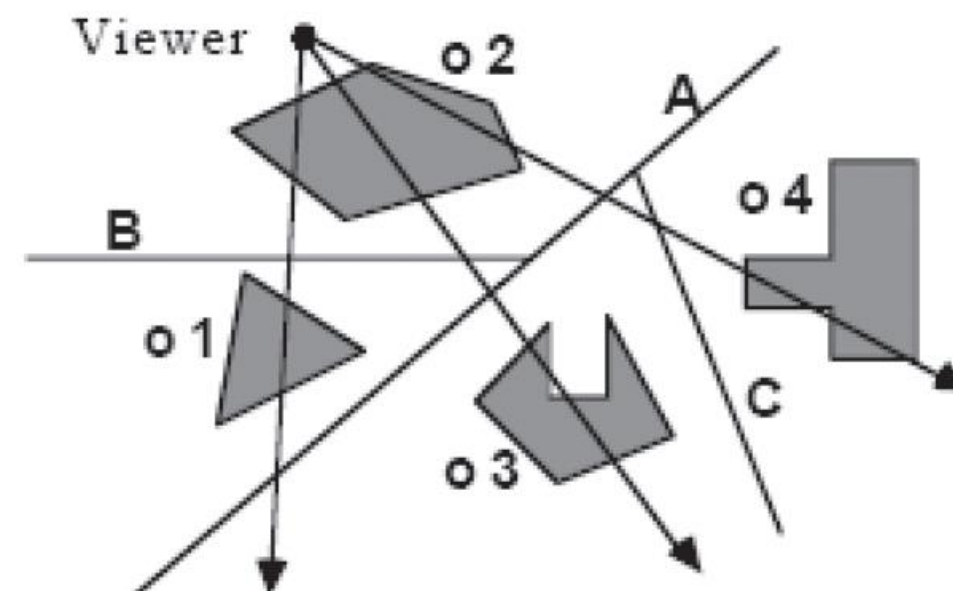
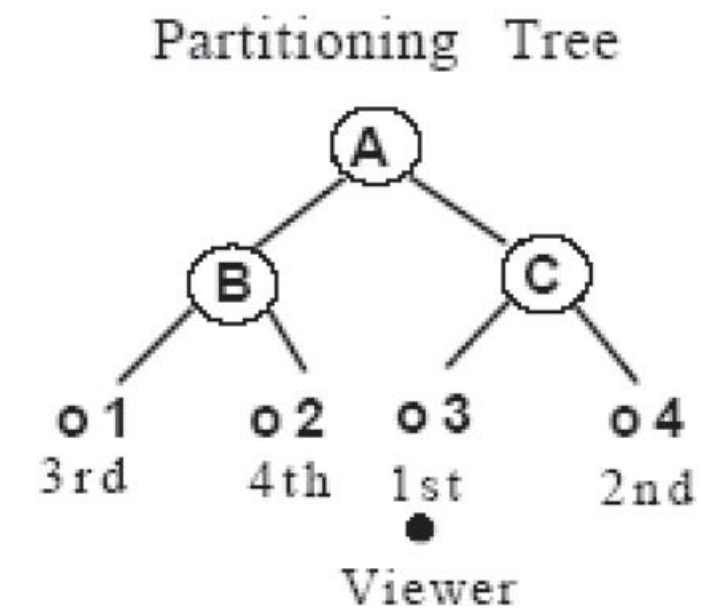
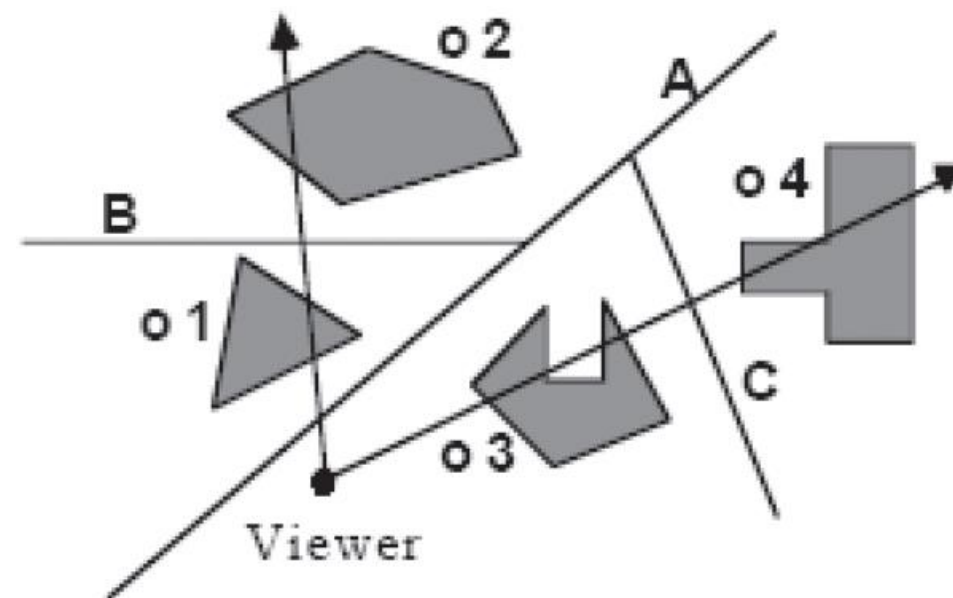




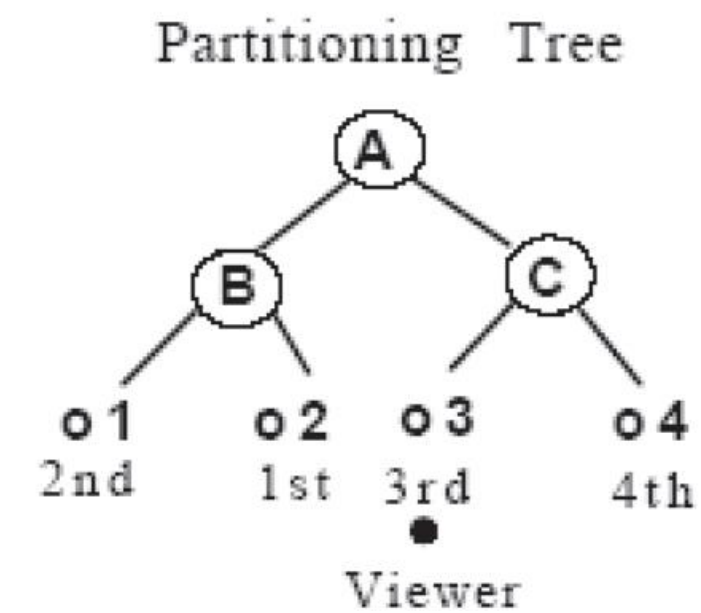
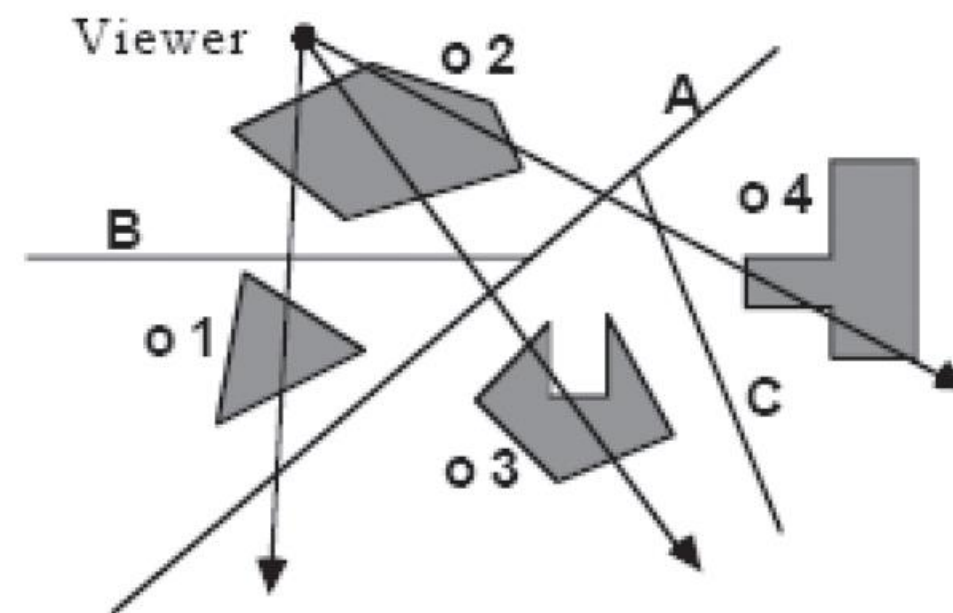
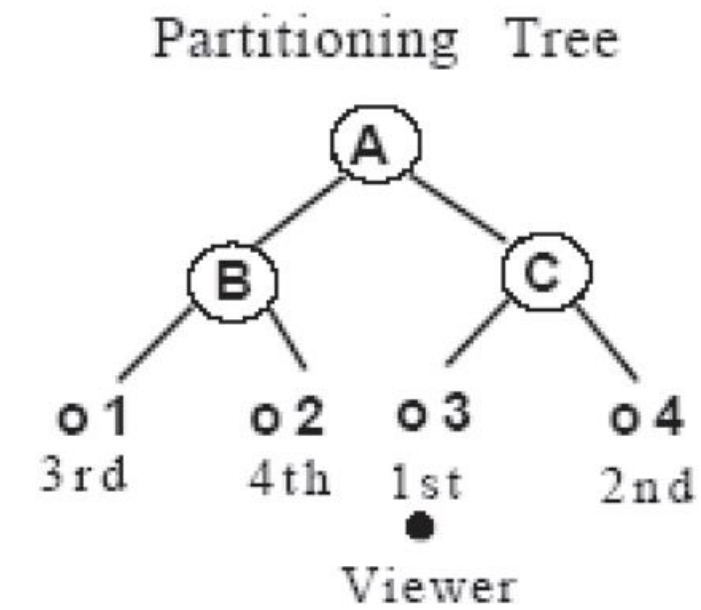
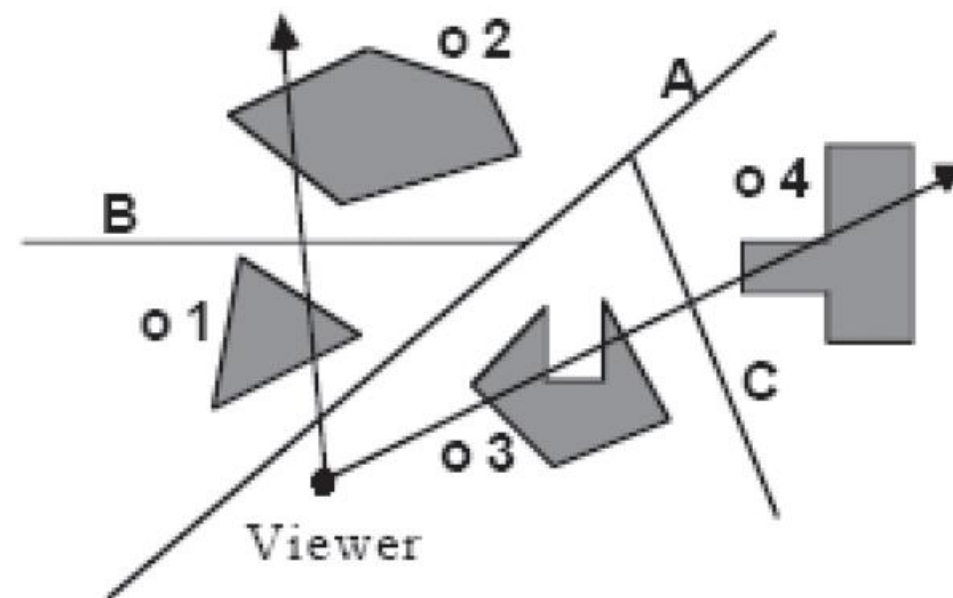
# Orden de visibilidad



# Orden de visibilidad



# **Orden** *de visibilidad*

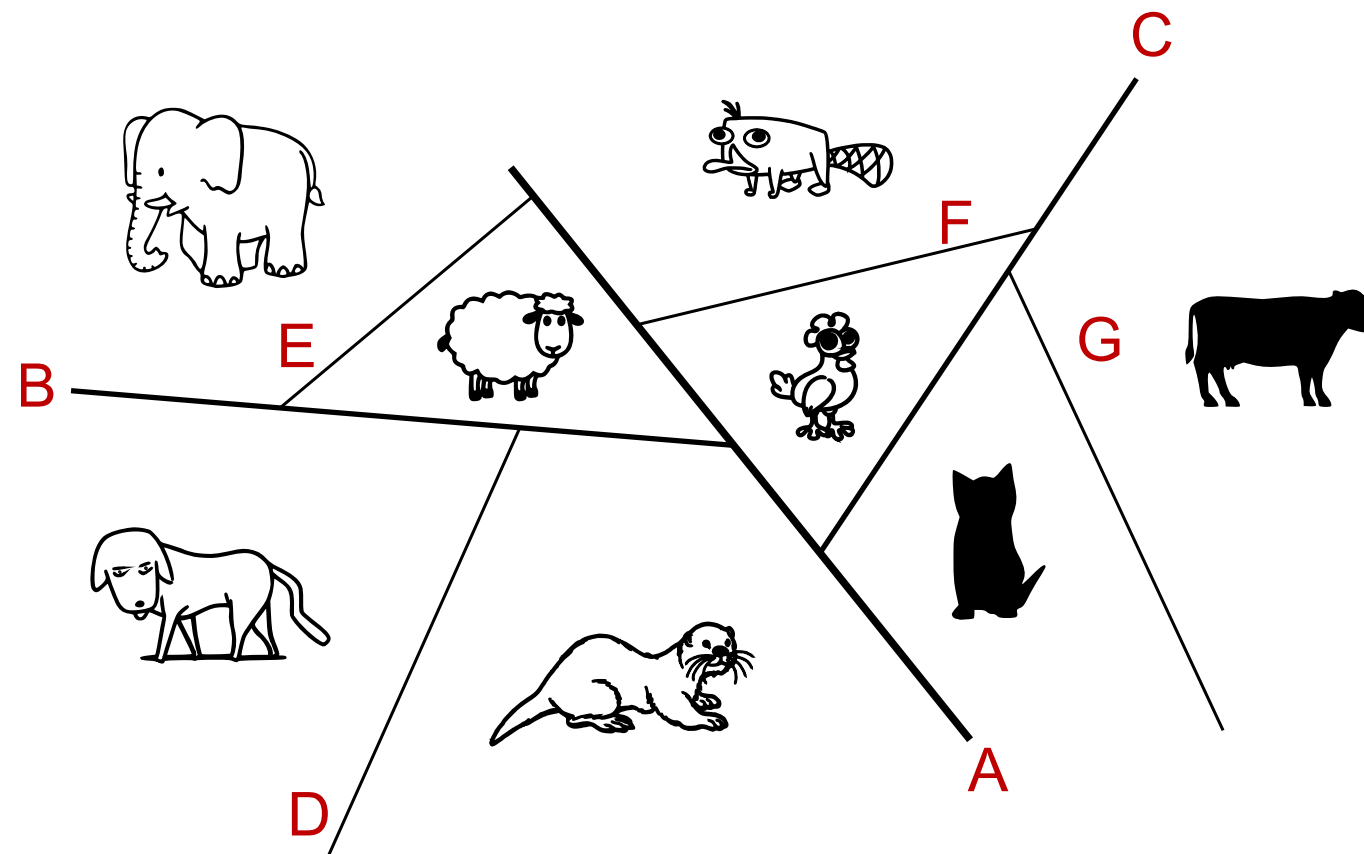




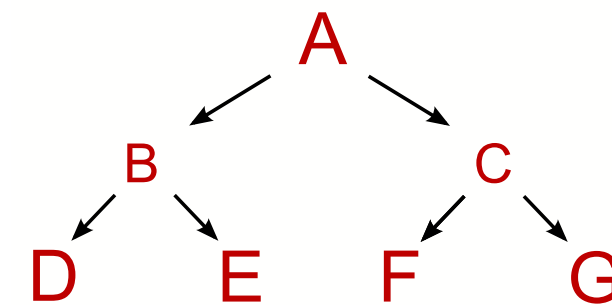
# Orden de visibilidad



# Orden de visibilidad

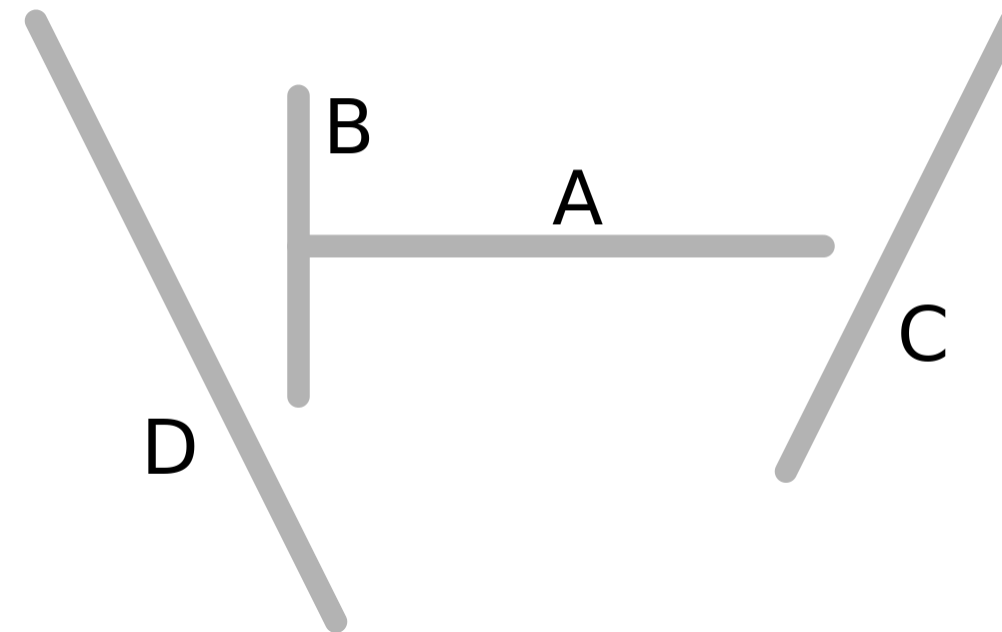


¿Cómo es la visibilidad del Agente P?



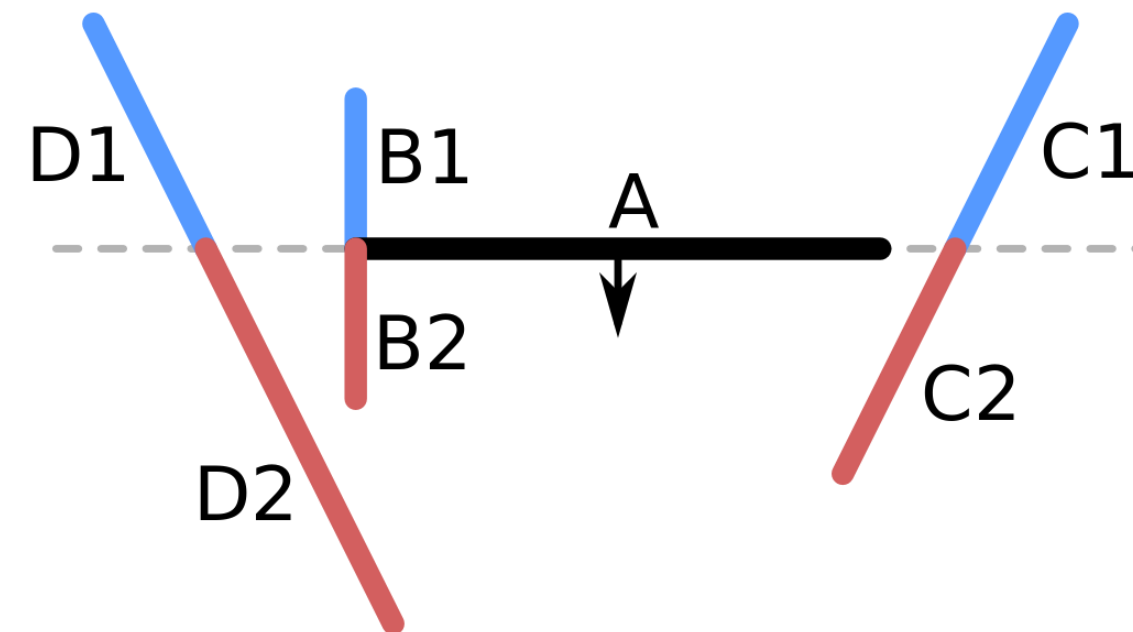
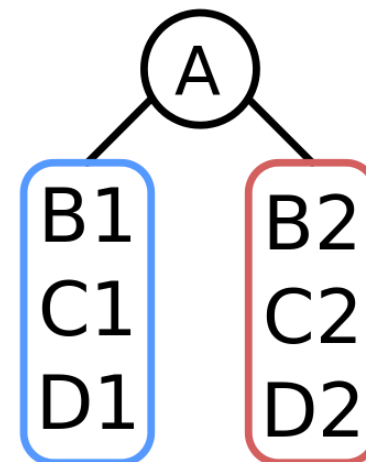
# Construcción *(una variante)*

A  
B  
C  
D

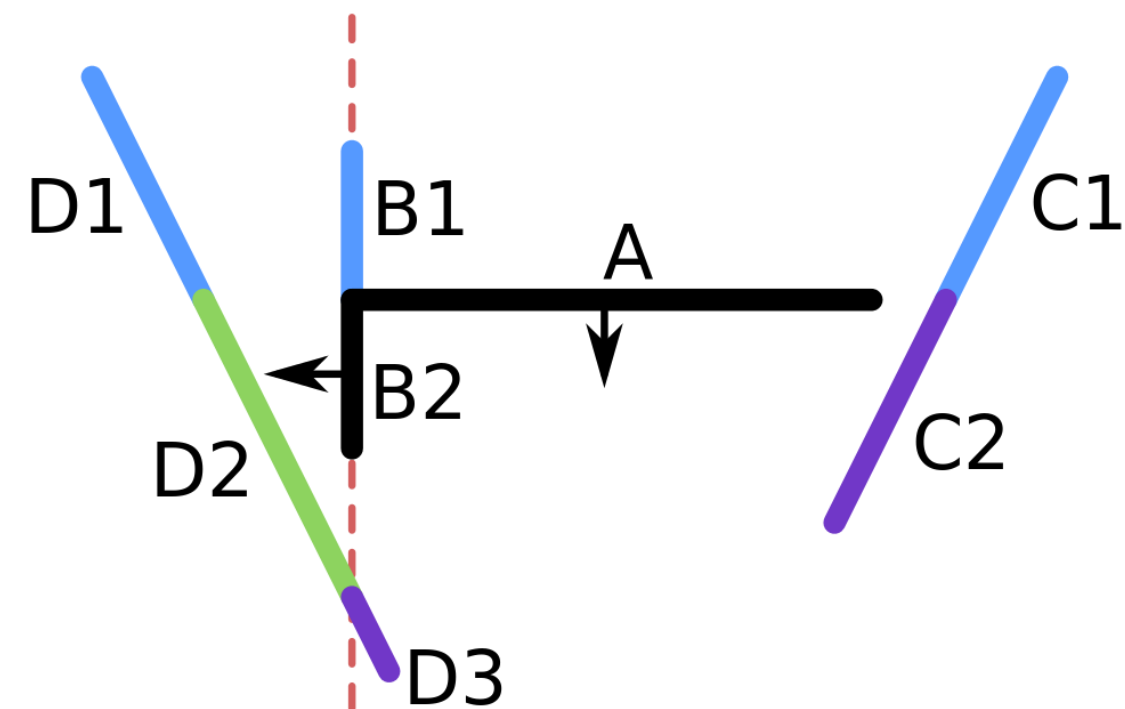
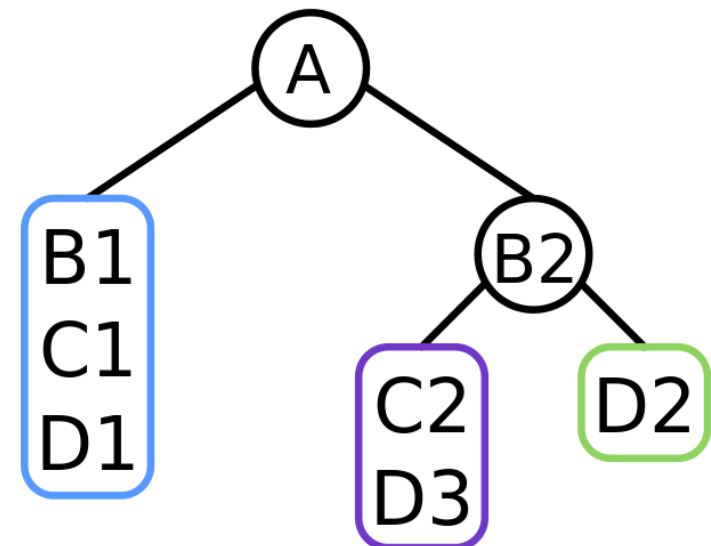




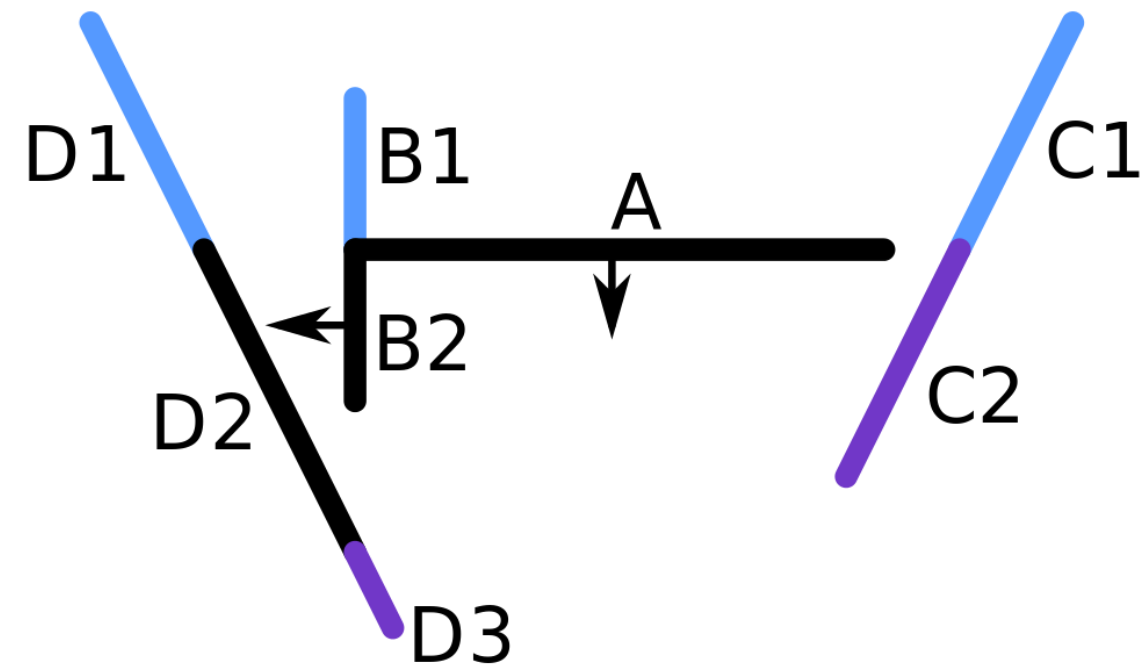
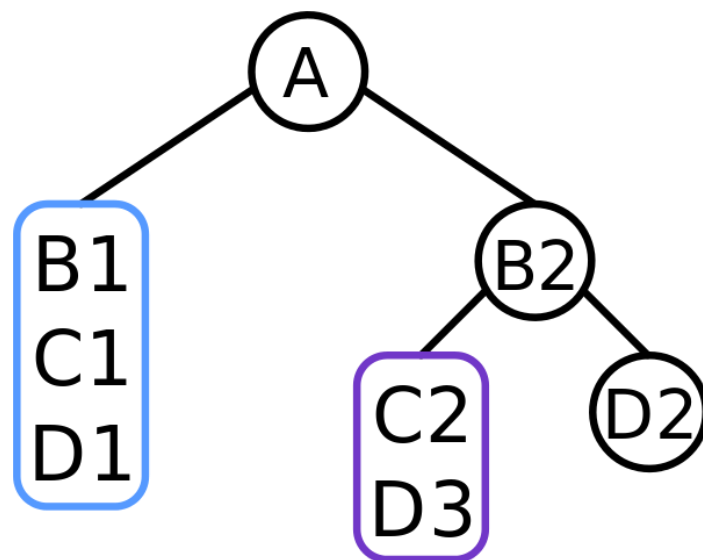
# **Construcción** *(una variante)*



# Construcción *(una variante)*

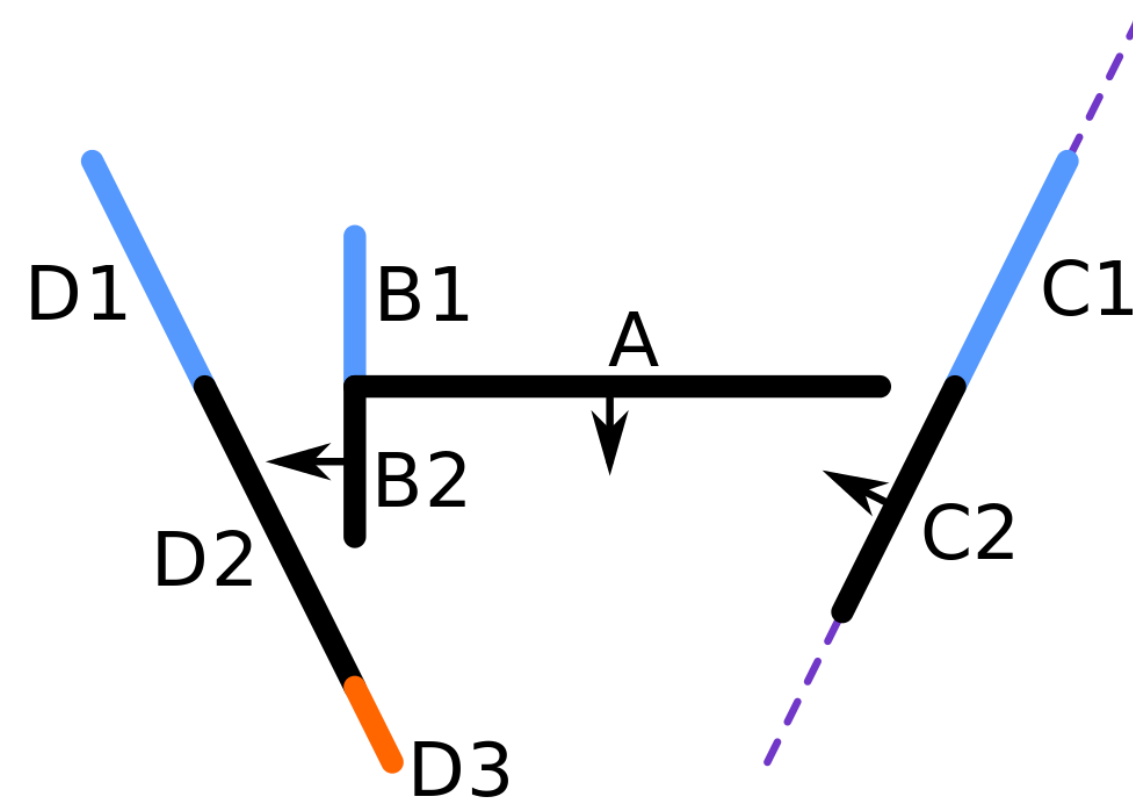
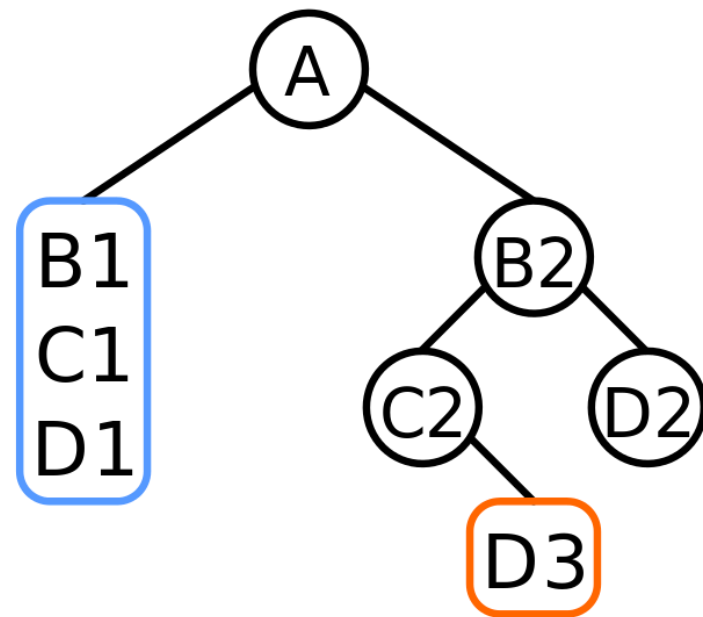


# Construcción *(una variante)*

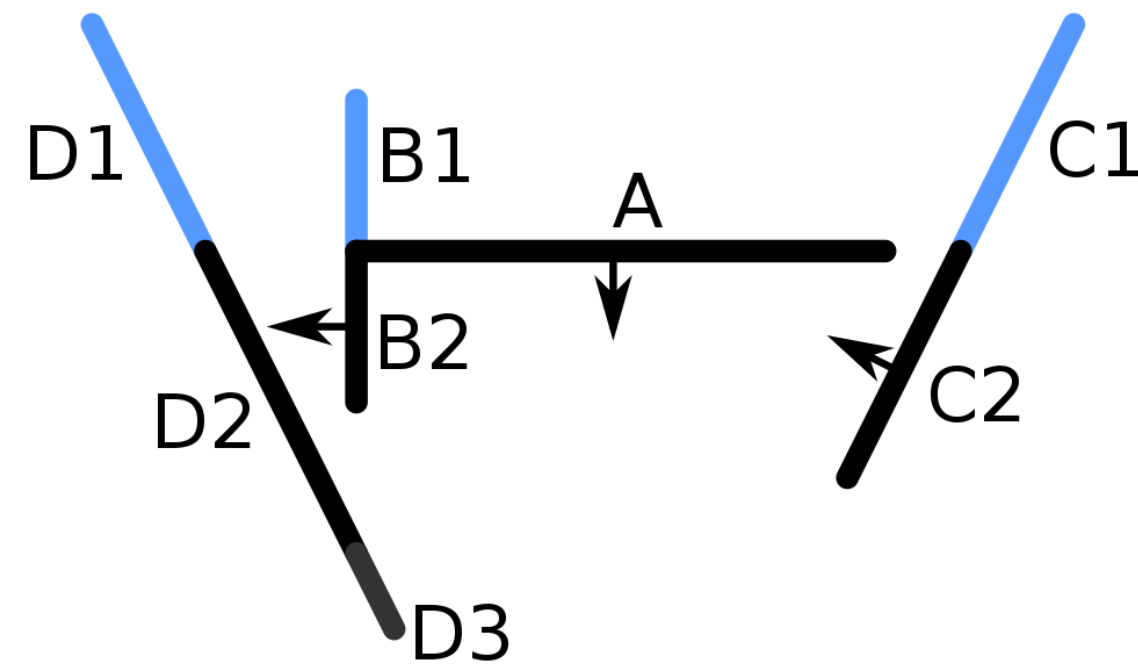
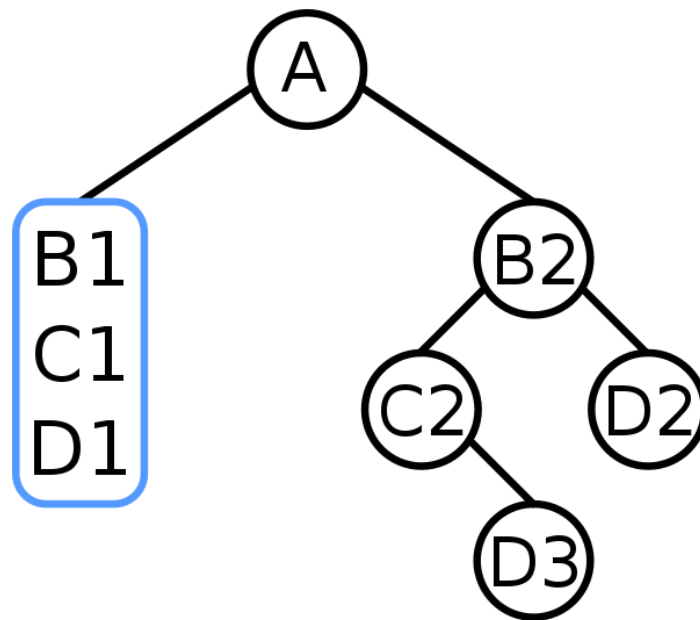




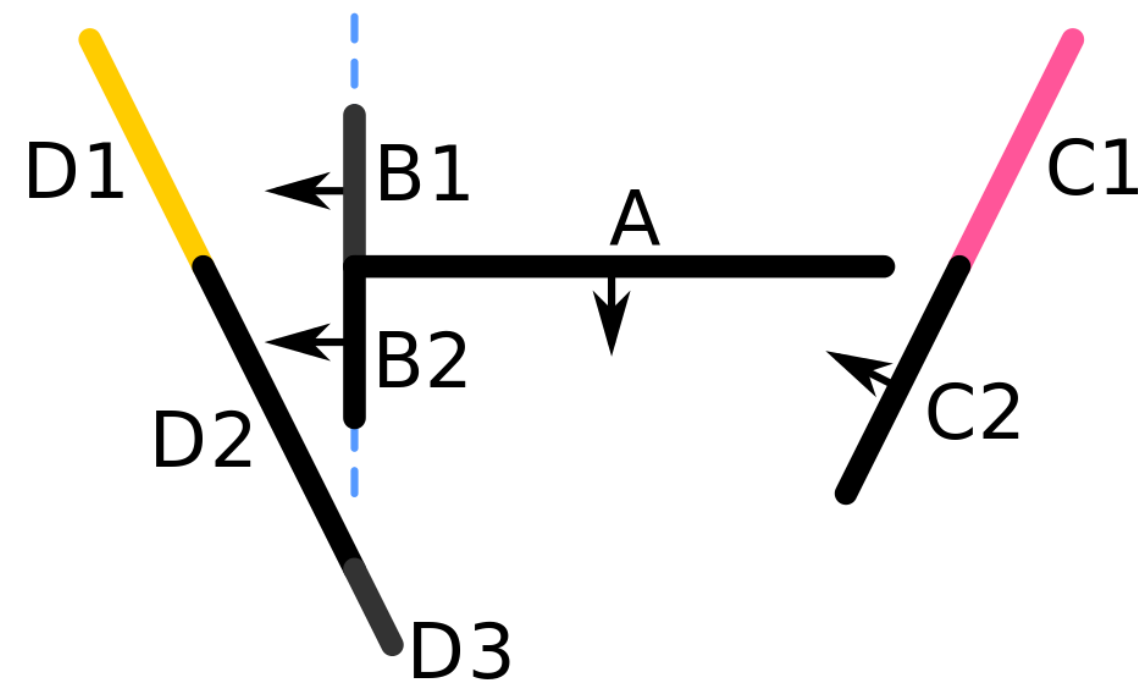
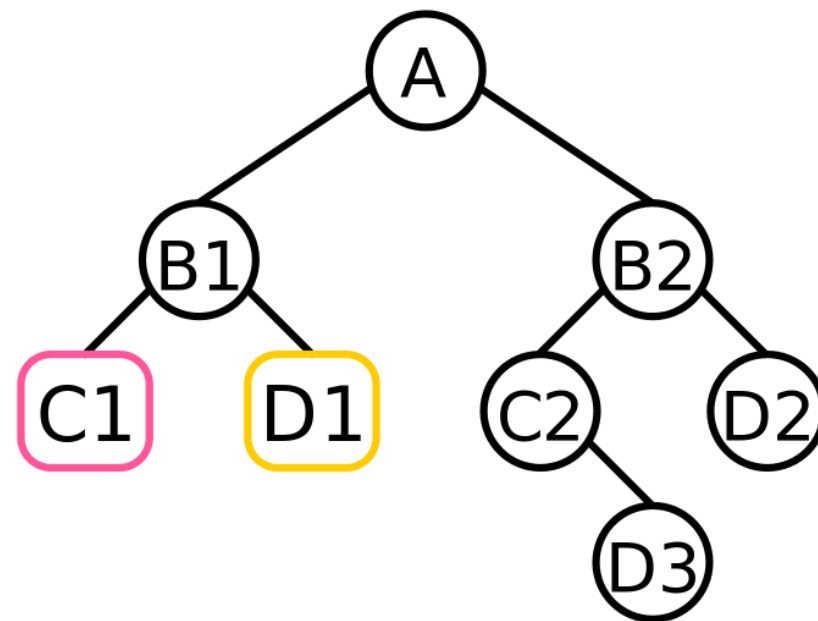
# Construcción *(una variante)*



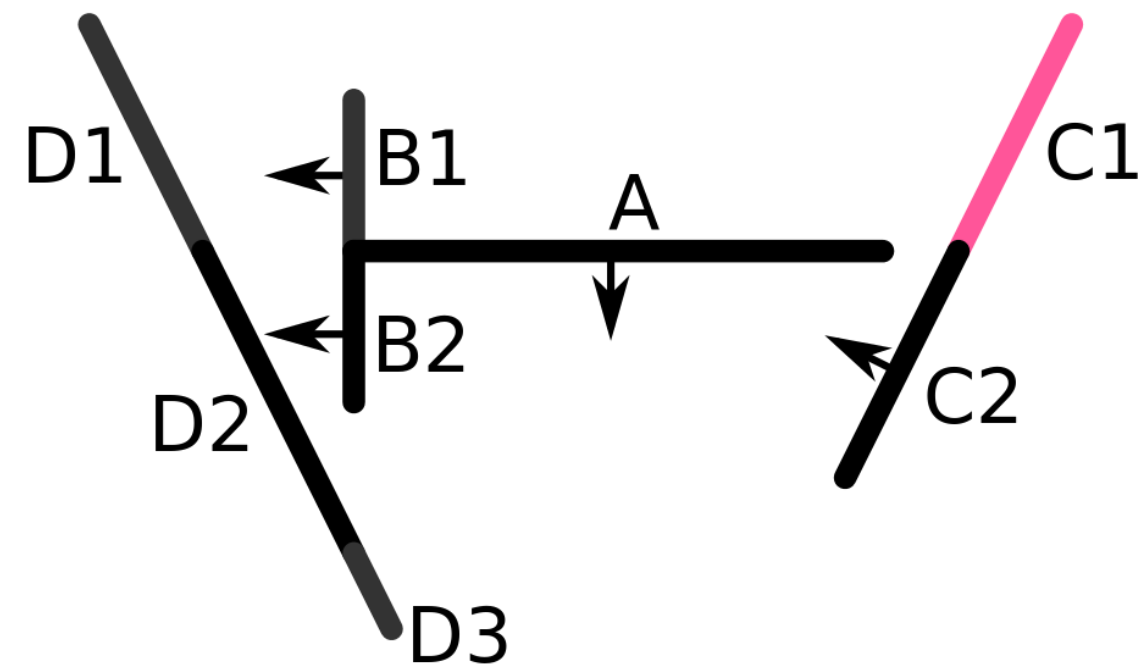
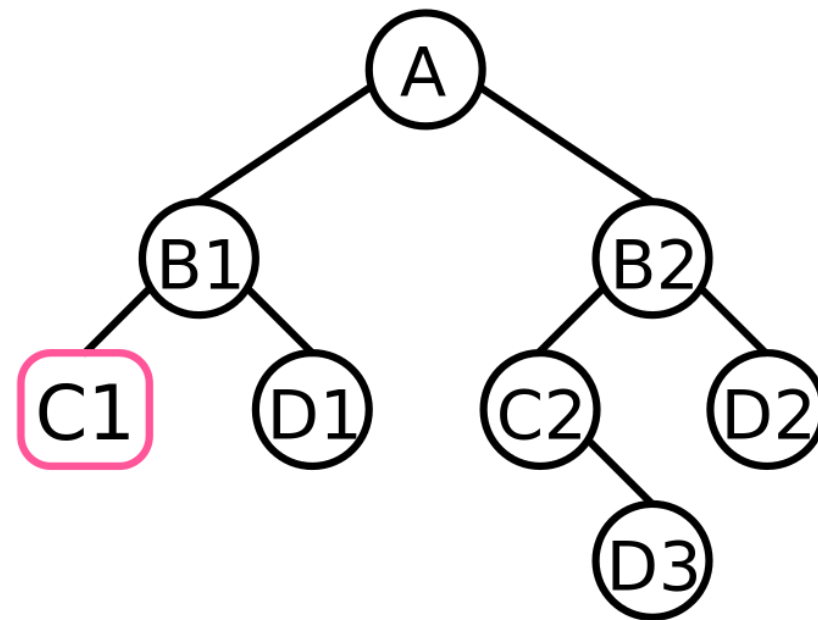
# Construcción *(una variante)*



# **Construcción** *(una variante)*

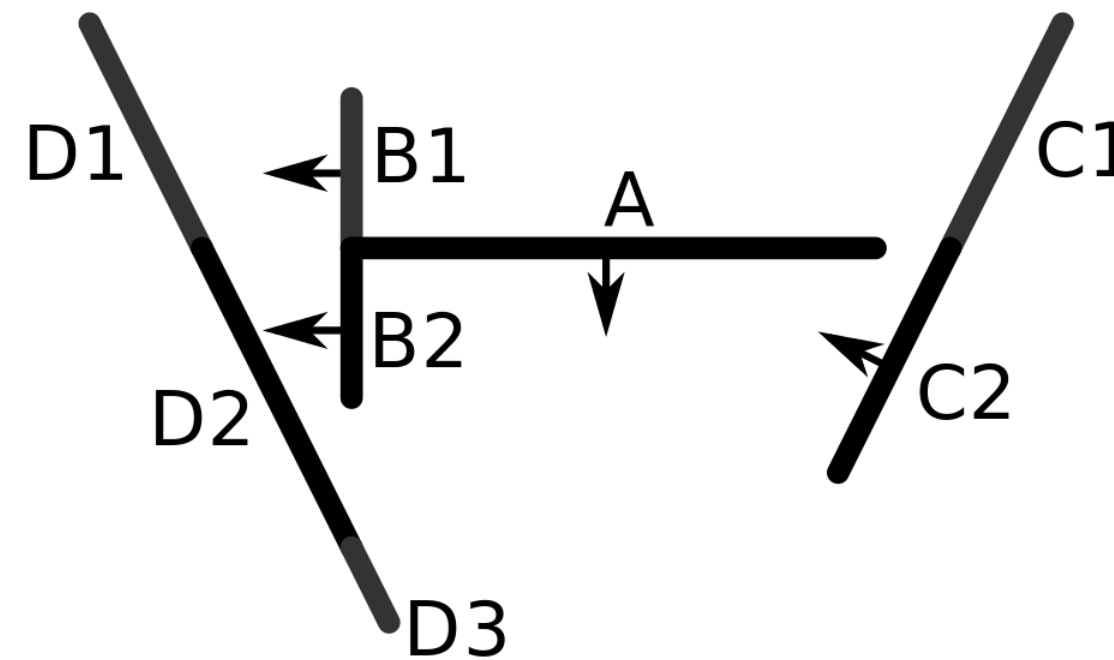
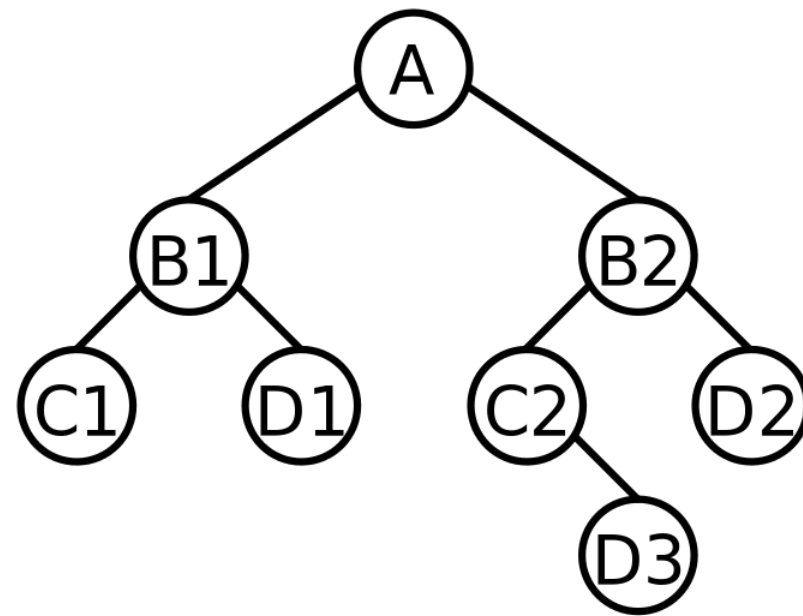


# Construcción *(una variante)*

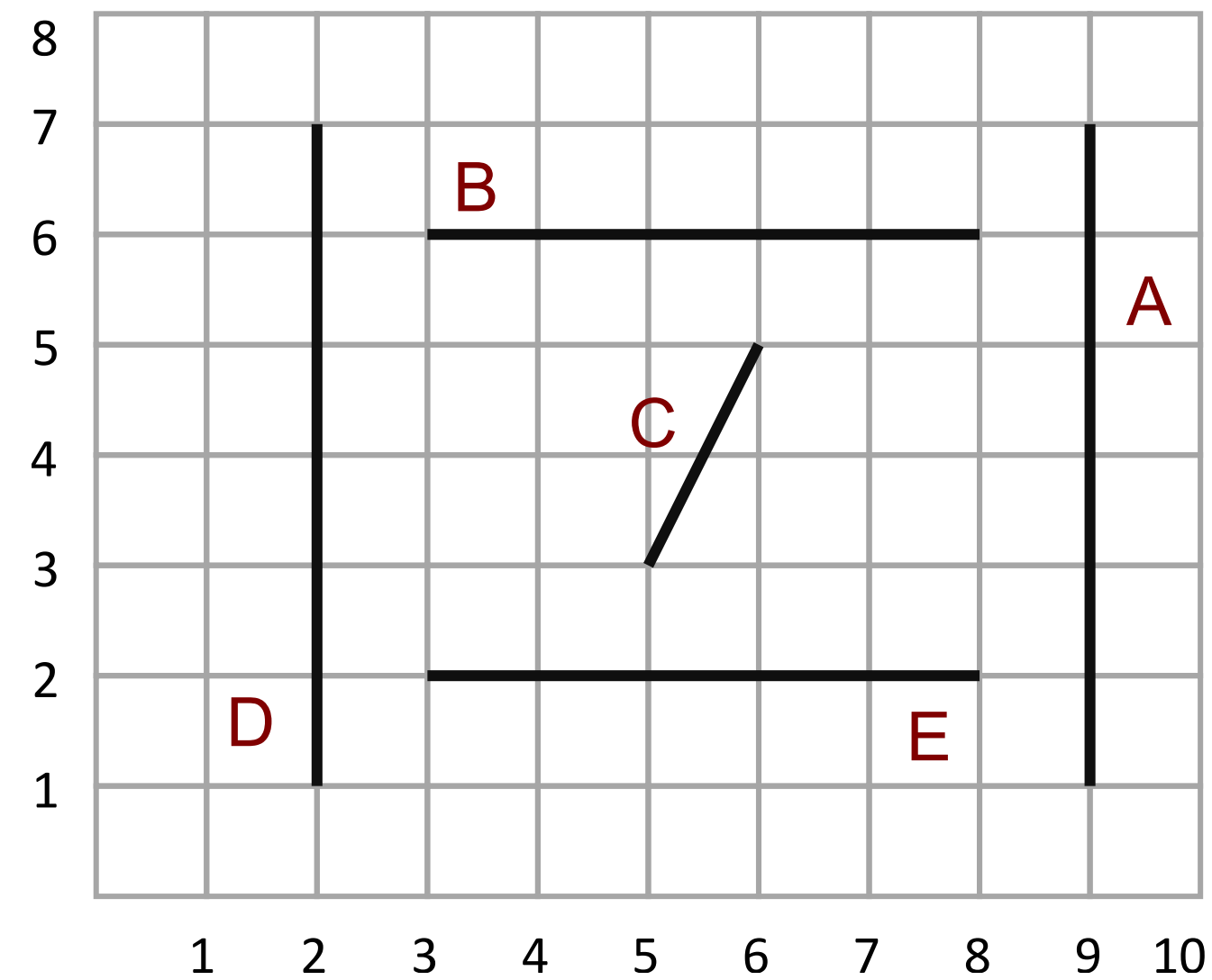




# Construcción *(una variante)*



# **Construcción** *(una variante)*







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