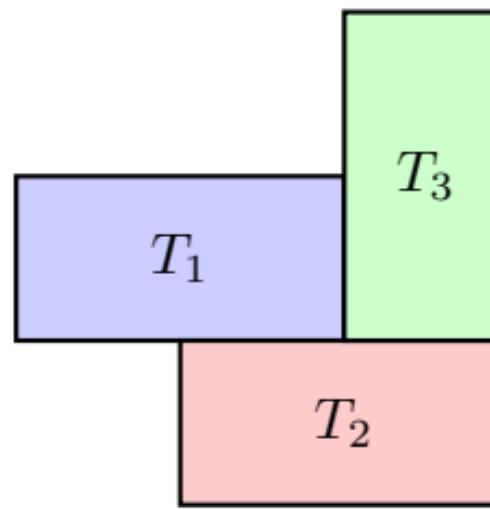
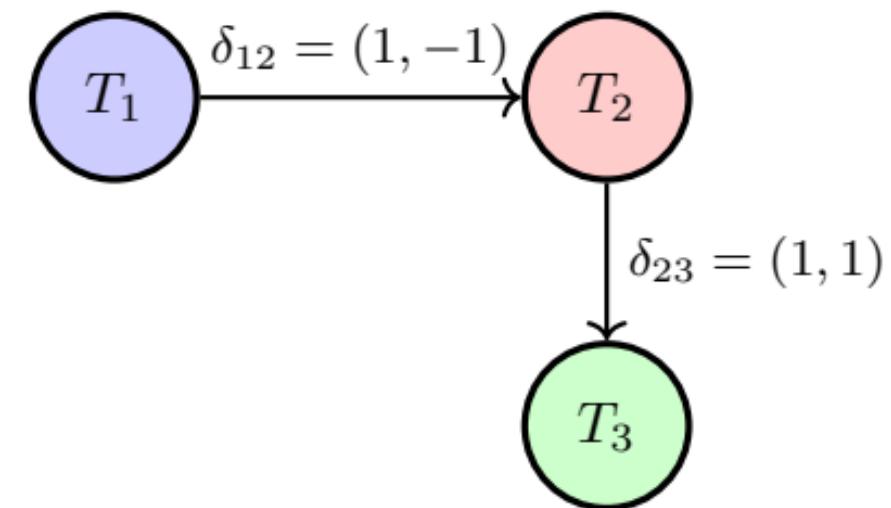


## Physical Placement



## Placement Tree

Encoded as  
Tree Structure



*Edges store relative offsets  
 $(\Delta x, \Delta y)$  defined in Def. 9.*