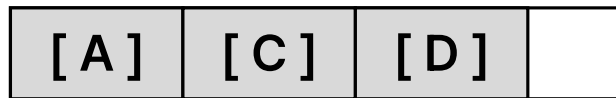


## Traditional Ordered Approach

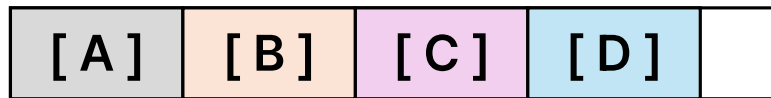
[File A, File C, File D]



Insert File B



[File A, File B, File C, File D]



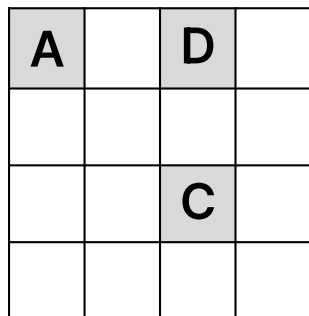
**Force Update**

## DeepVis Hash-based Spatial Mapper

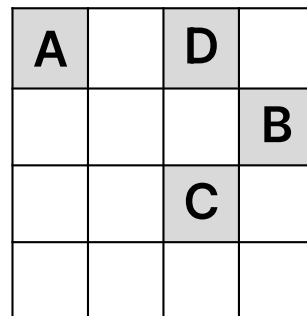
[A] → Hash (A) → (1, 1)

[C] → Hash (C) → (3, 3)

[D] → Hash (D) → (3, 1)



Insert File B



**A, B, C  
Unchanged**

[B] → Hash (B) → (4, 2)