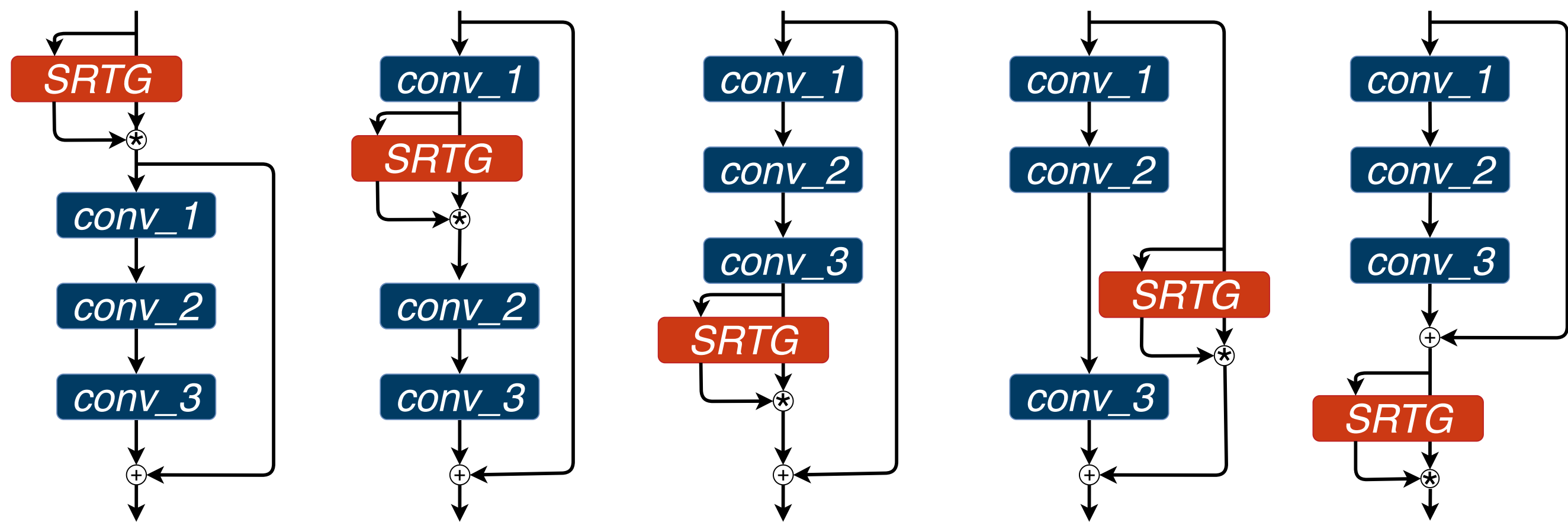


a. Gate *inactive*  
a. Gate *active (close state)*  
a. Gate *active (open state)*



b.(i) *Start*  
b.(ii) *Mid*  
b.(iii) *End*  
b.(iv) *Res*  
b.(v) *Final*