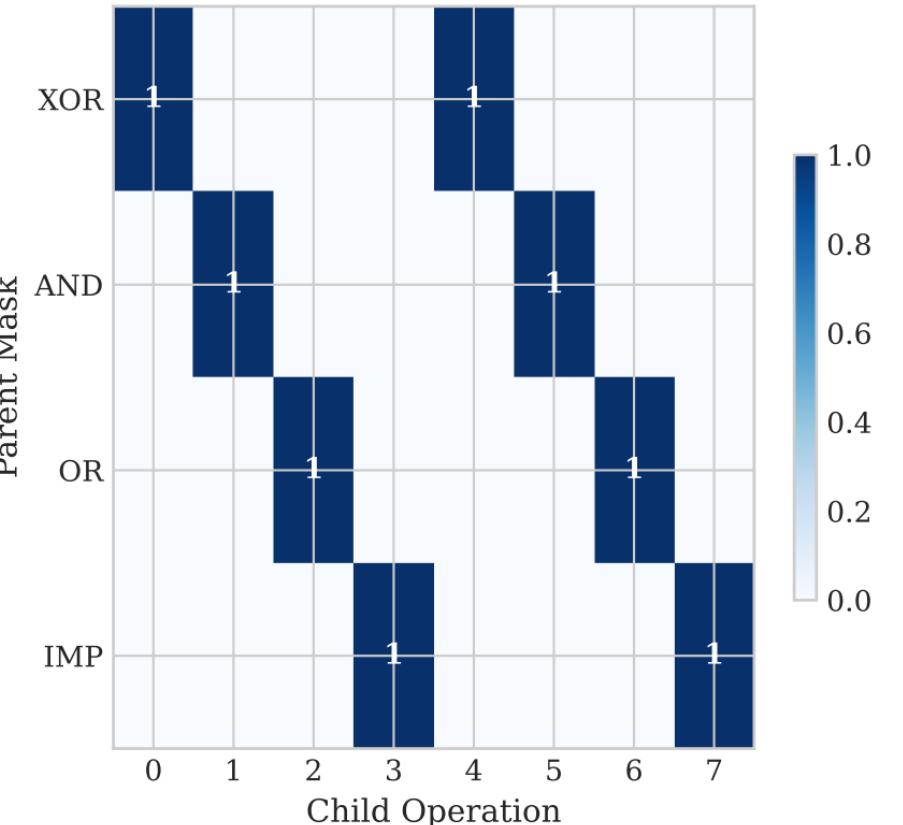
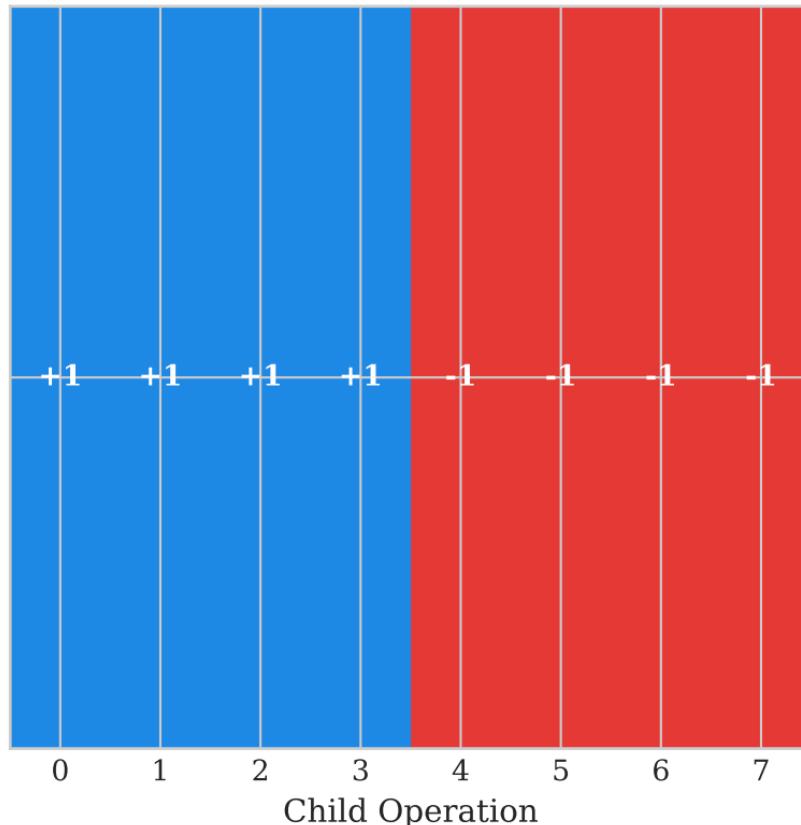


## Phase 2: Sinkhorn-Constrained Routing with Column-Sign Modulation

## P: Routing Matrix (Sinkhorn-constrained)



### s: Column-Sign Modulation



$R = P \odot s$ : Composed Routing  
(Enables Negation)

