Intersect vector-pipeline stage

Stage n-1 state vars → **Stage n** → **To Stage n+1**

↓

Potential match
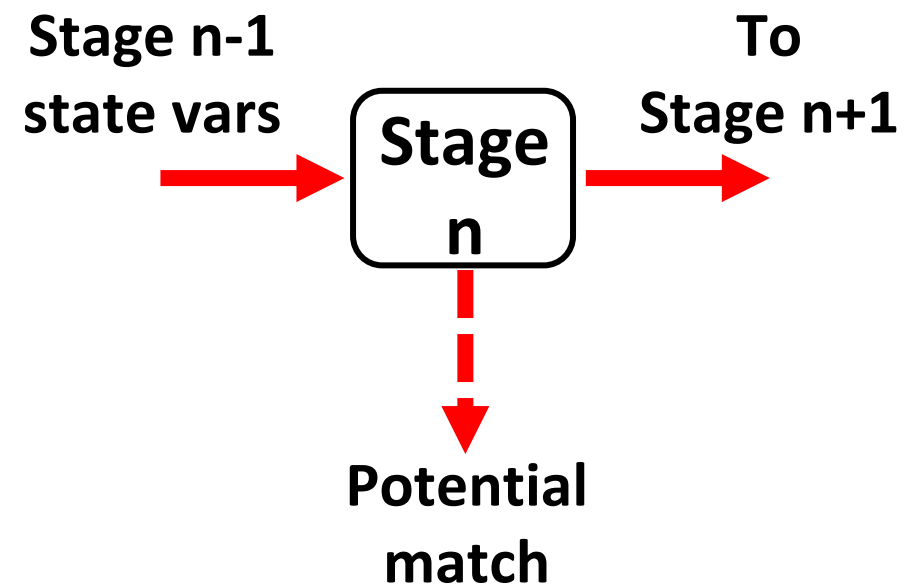
$match\ rate = P(match)$

Input operand vectors

Input vectorization

Intersection vector-pipeline

Pipeline depth
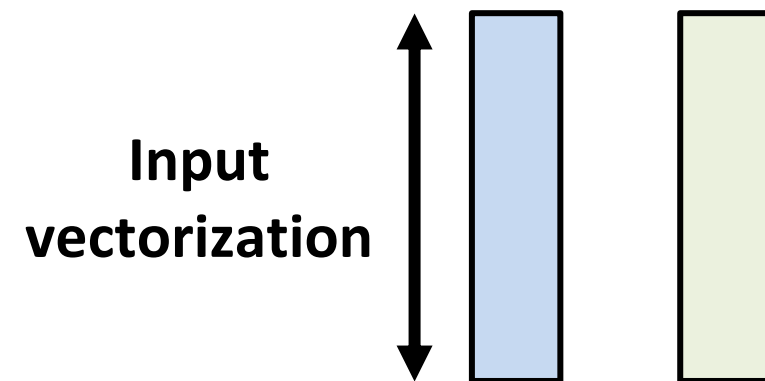
Stage → **Stage** → **Stage**

$Peak\ match\ throughput = E[\#\ matches]$

$Match\ throughput = E\left[\dfrac{\#\ matches}{\#\ stages\ to\ find\ all\ matches}\right]$

Output vector

Output vectorization