

Not "equvalut" to any
Serial execution

$$
\begin{aligned}
& T_{1} \rightarrow T_{3} \rightarrow T_{2} \\
& T_{2} \rightarrow T_{1} \rightarrow T_{3}
\end{aligned}
$$

Strategy 1
Given a concurrent schedule CS

$$
\begin{aligned}
& \text { Try } T_{1} \cdot T_{2} T_{3} \\
& T_{1} T_{3} T_{2} \\
& T_{2} T_{1} T_{3} \\
& T_{2} T_{3} T_{1} \\
& T_{3} T_{1} T_{2} \\
& 3!=6 \\
& T_{3} T_{2} T_{1}
\end{aligned}
$$



Compare out home If any if them match, CS is seriahzable
$T_{1}, \ldots, T_{k}-k!$ different serval orders Caunst whandively cheak alk
Hence look for more effecient ways to check seviabrabinty

- Confluct sevializesility - swap non-conflictiy activa
- Cheched effocientry noin conftiot grath

Merge Sort


Table on Disto





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$$

Hash Joun


