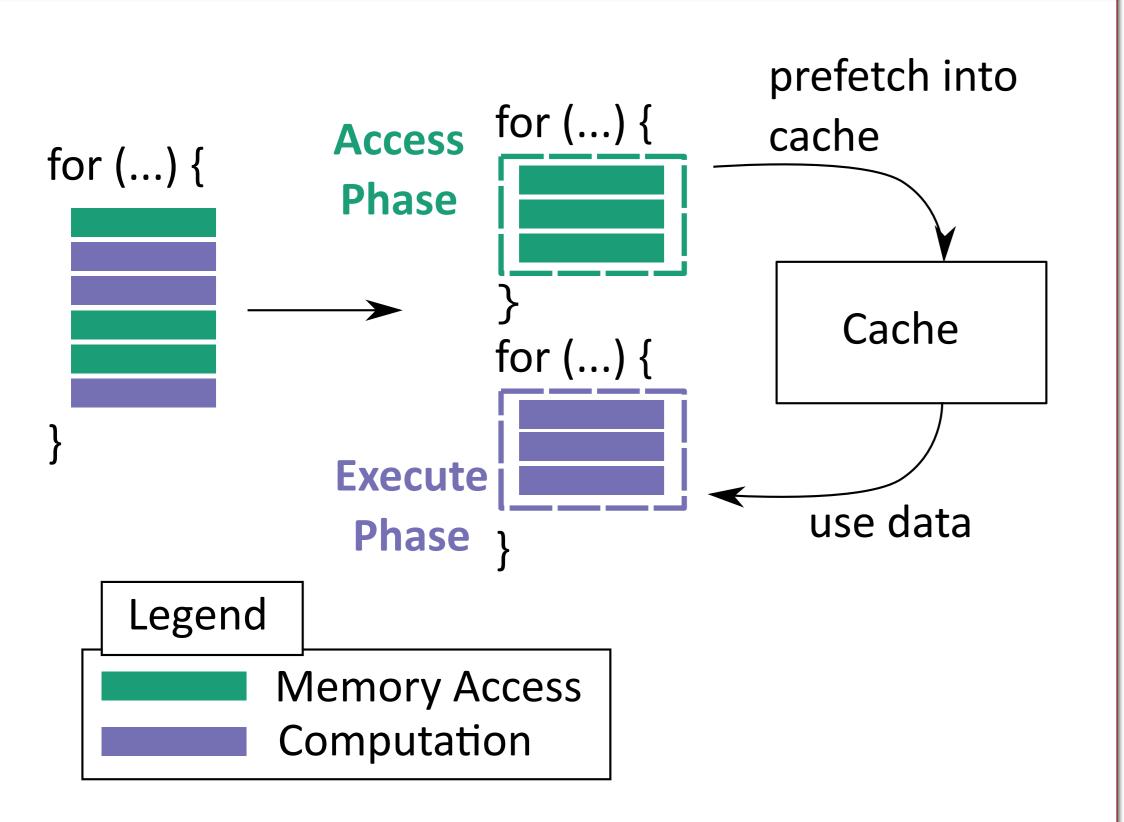


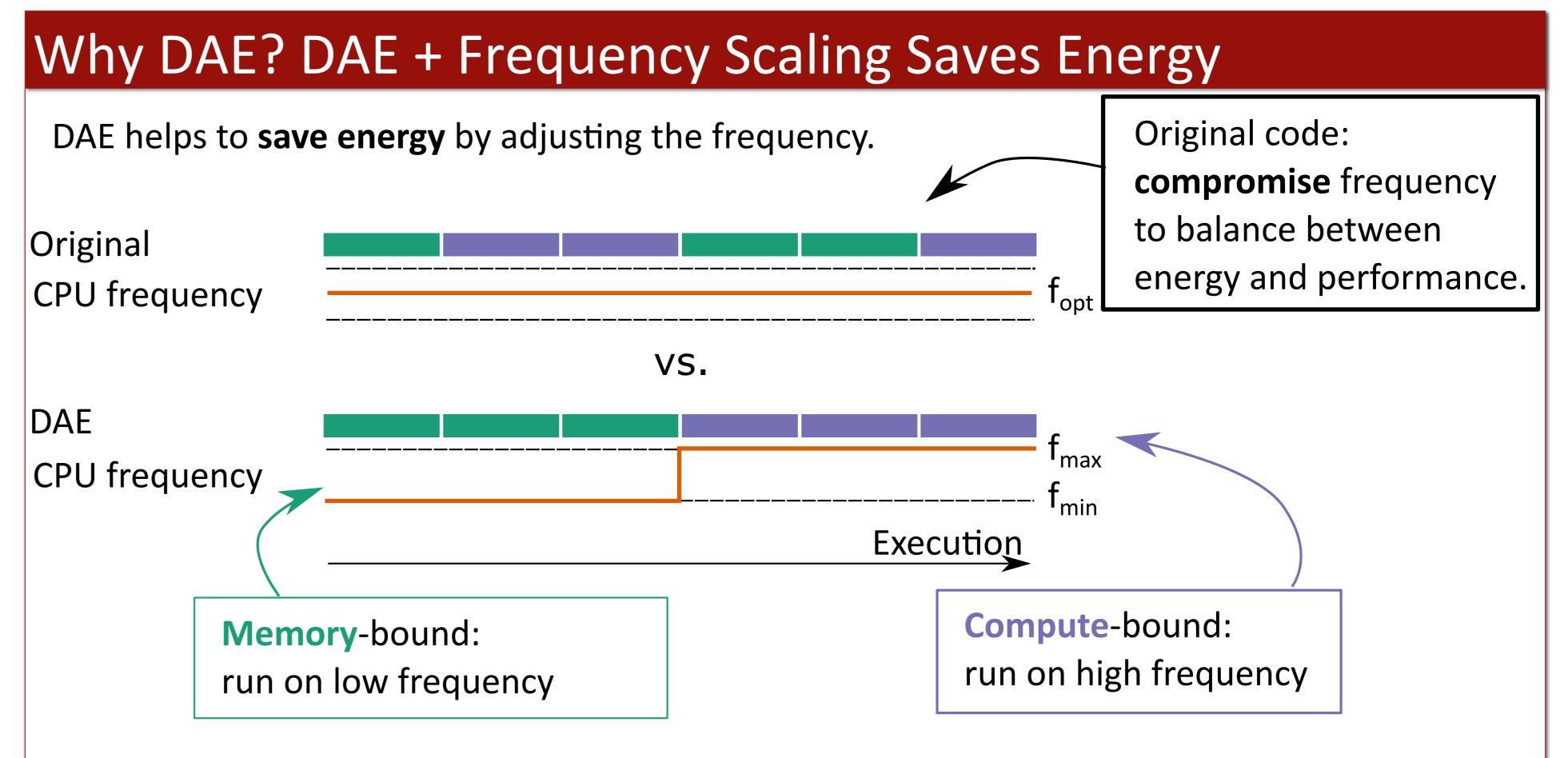
Software Decoupled Access-Execute

Kim-Anh Tran, Konstantinos Koukos, Stefanos Kaxiras, Alexandra Jimborean

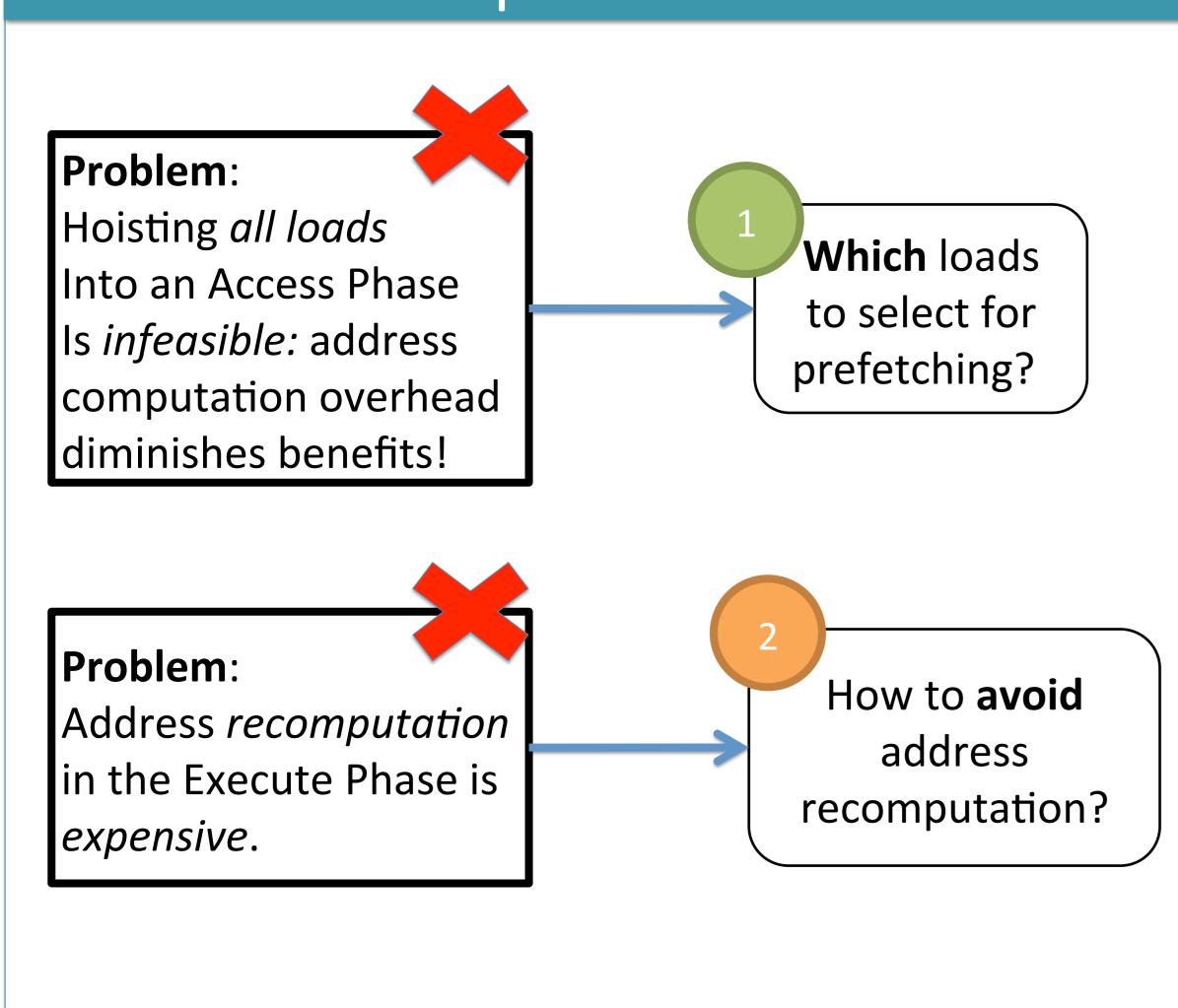




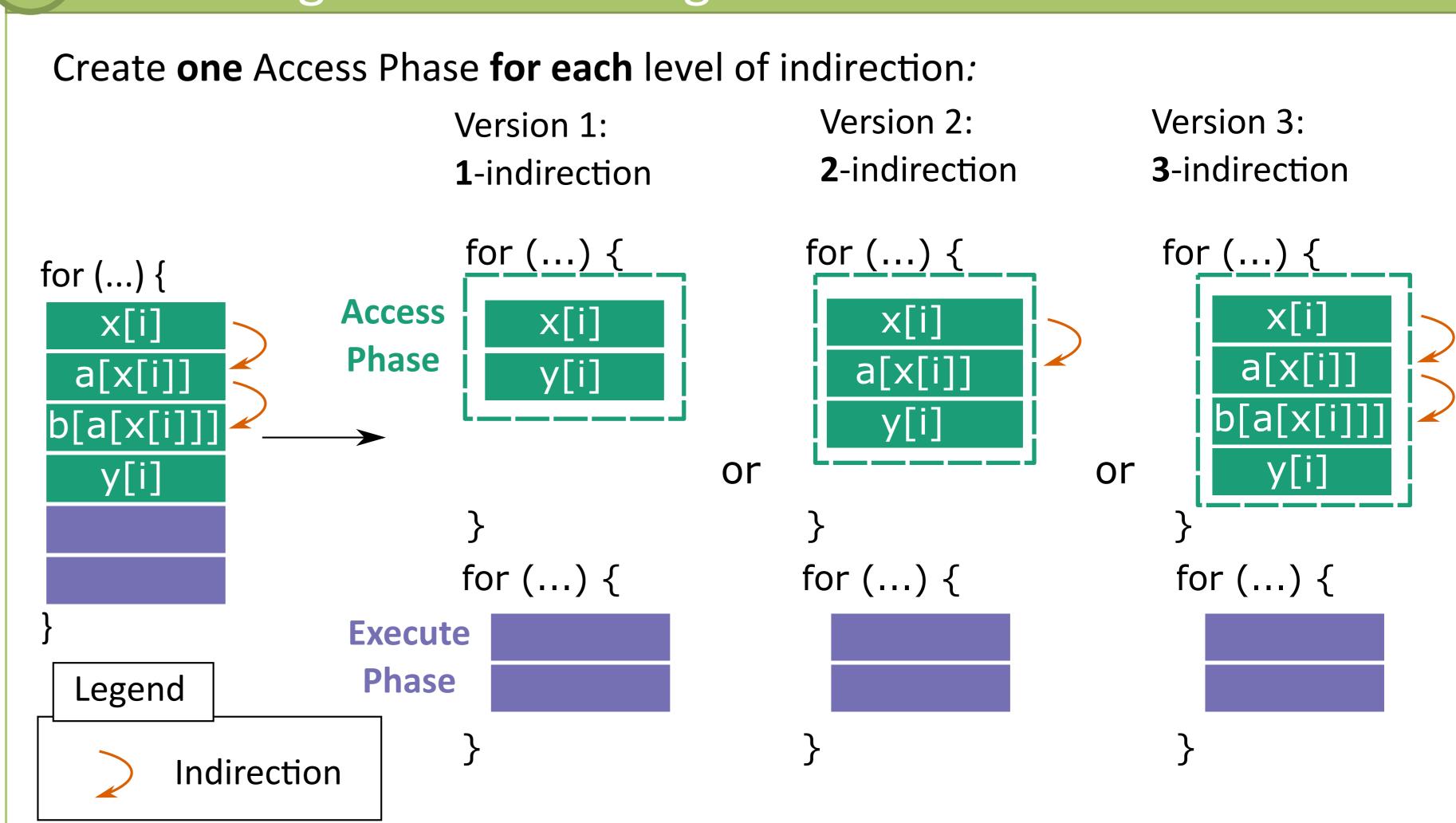




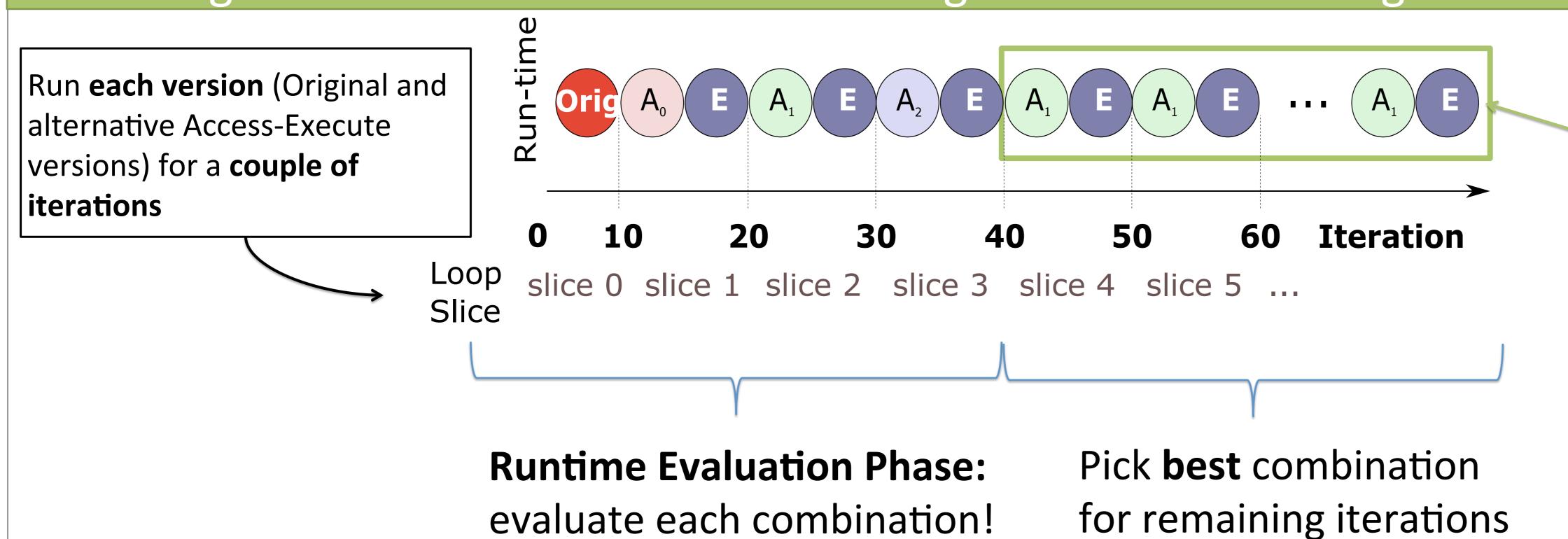
How Can We Improve DAE?



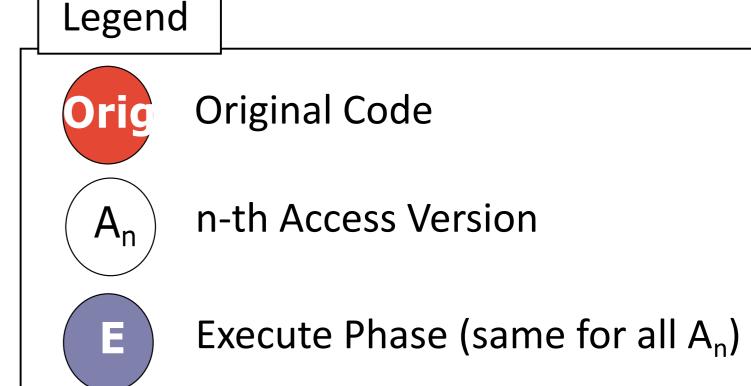
Selecting Loads: Creating Alternative Access Phases



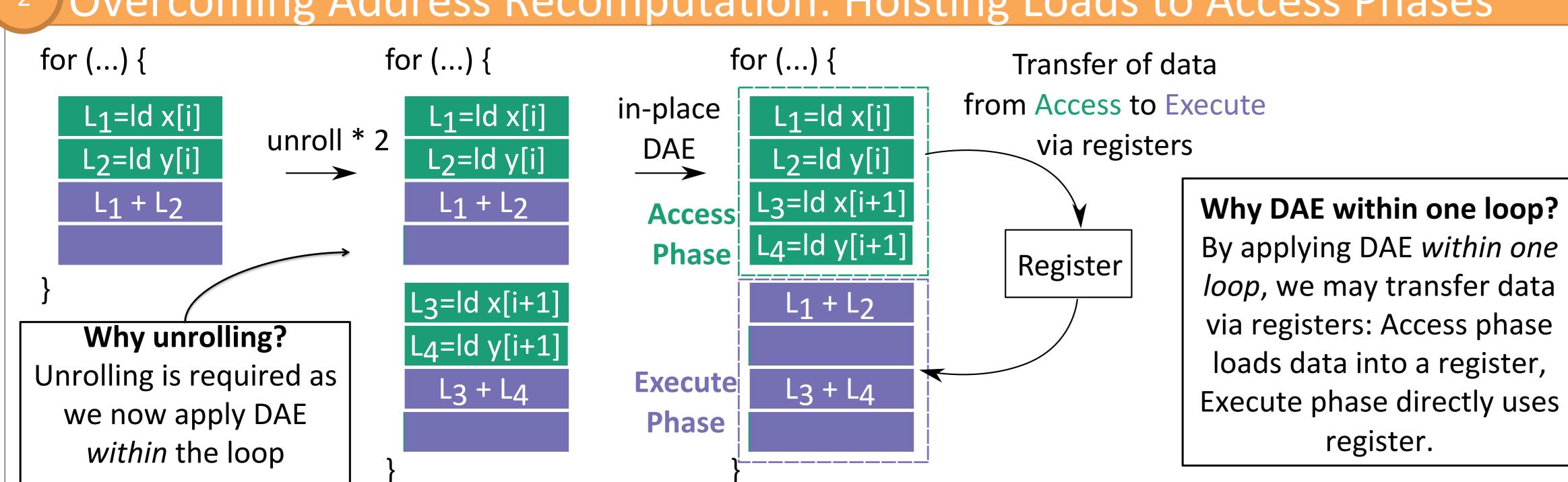
Evaluating Versions at Runtime and Selecting the Best Performing One



was identified as the best performing version: settle on this combination!



Overcoming Address Recomputation: Hoisting Loads to Access Phases



Reference: A. Jimborea

Info

A. Jimborean, K. Koukos, V. Spiliopoulos, D. Black-Schaffer, S. Kaxiras. Fix the code. Don't tweak the hardware: A new compiler approach to Voltage-Frequency scaling. In Proc. of CGO'14

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