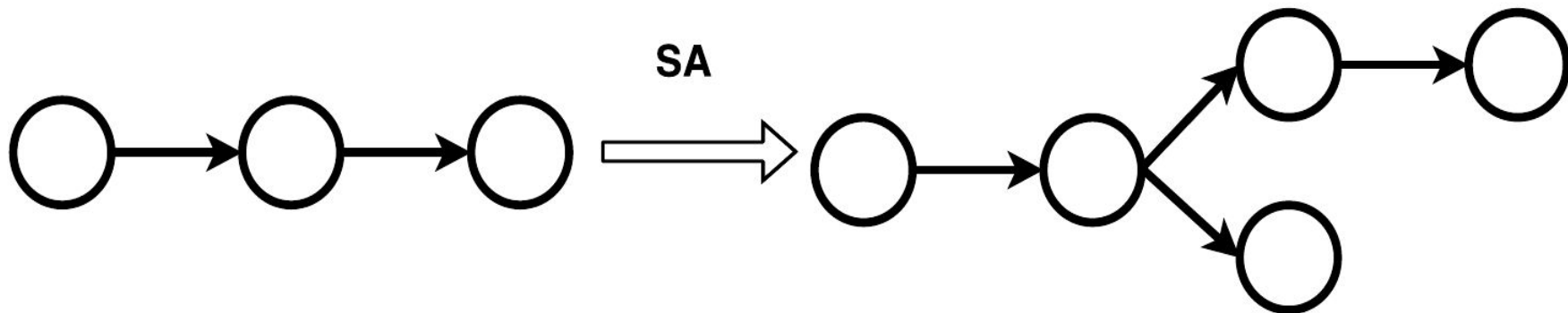


# Overcoming the Data Flow limit through Structural Approximation

Vignesh Balaji  
*vigneshb@andrew.cmu.edu*

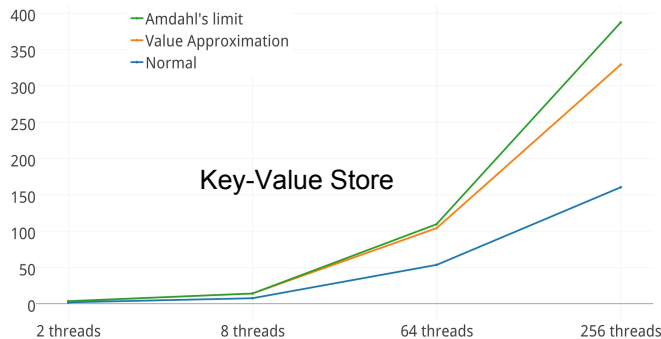
Brandon Lucia  
*blucia@cmu.edu*  
Carnegie Mellon University

Radu Marculescu  
*radum@cmu.edu*

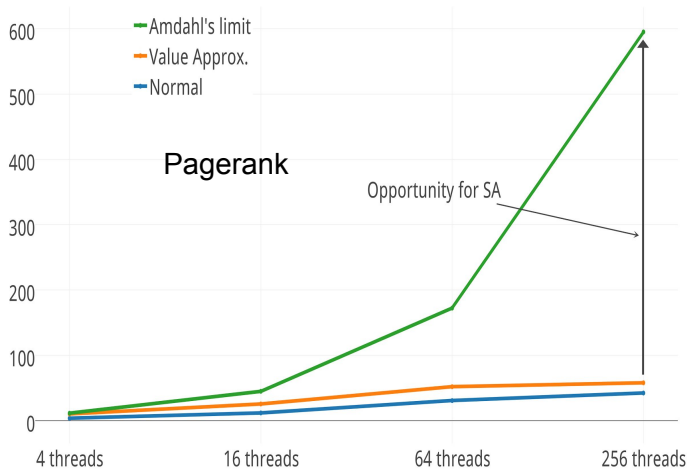
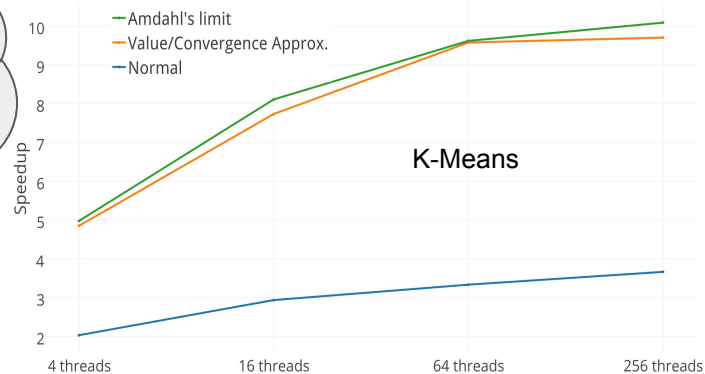


Performance-Consistency tradeoff

# Why do we need SA?



Value Approximation works here!



But unable to exploit parallelism here!

