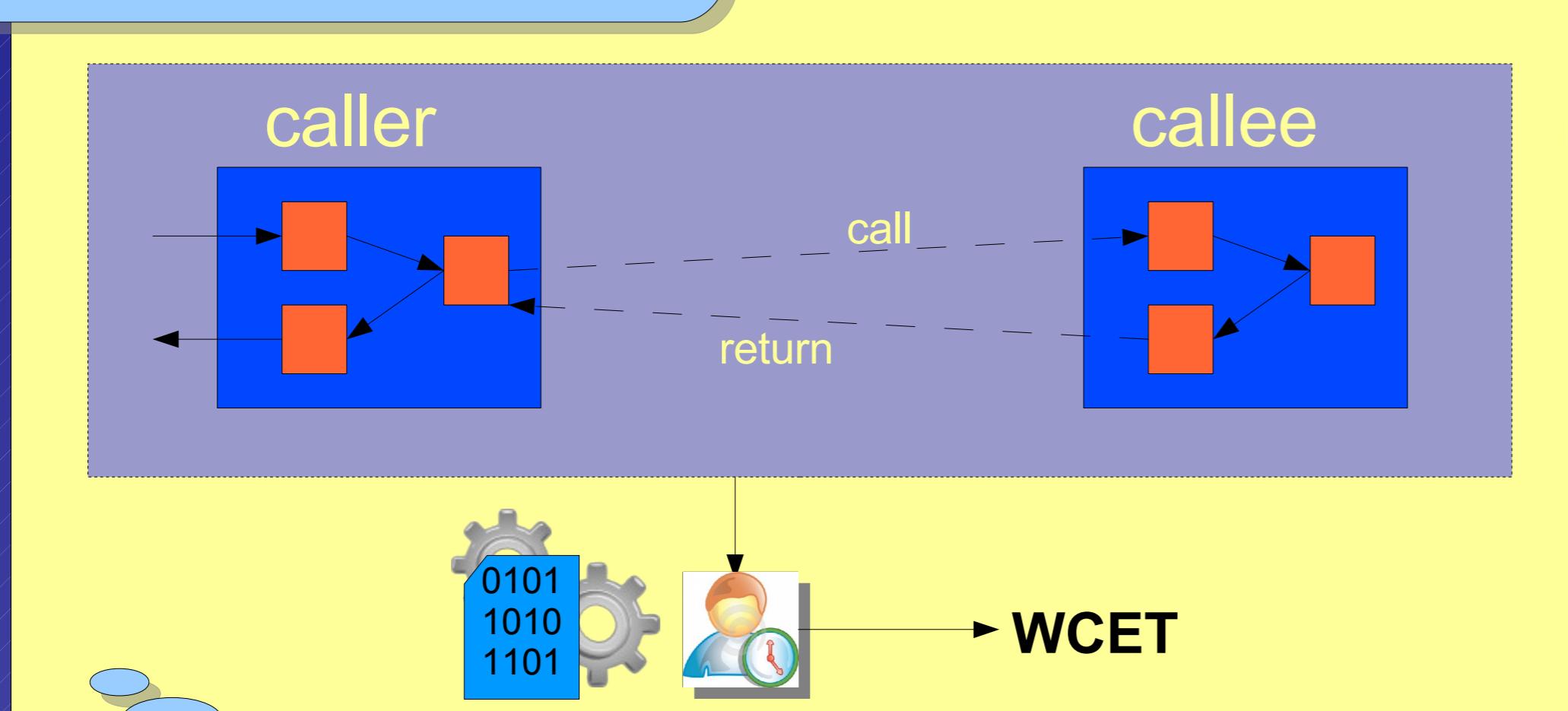
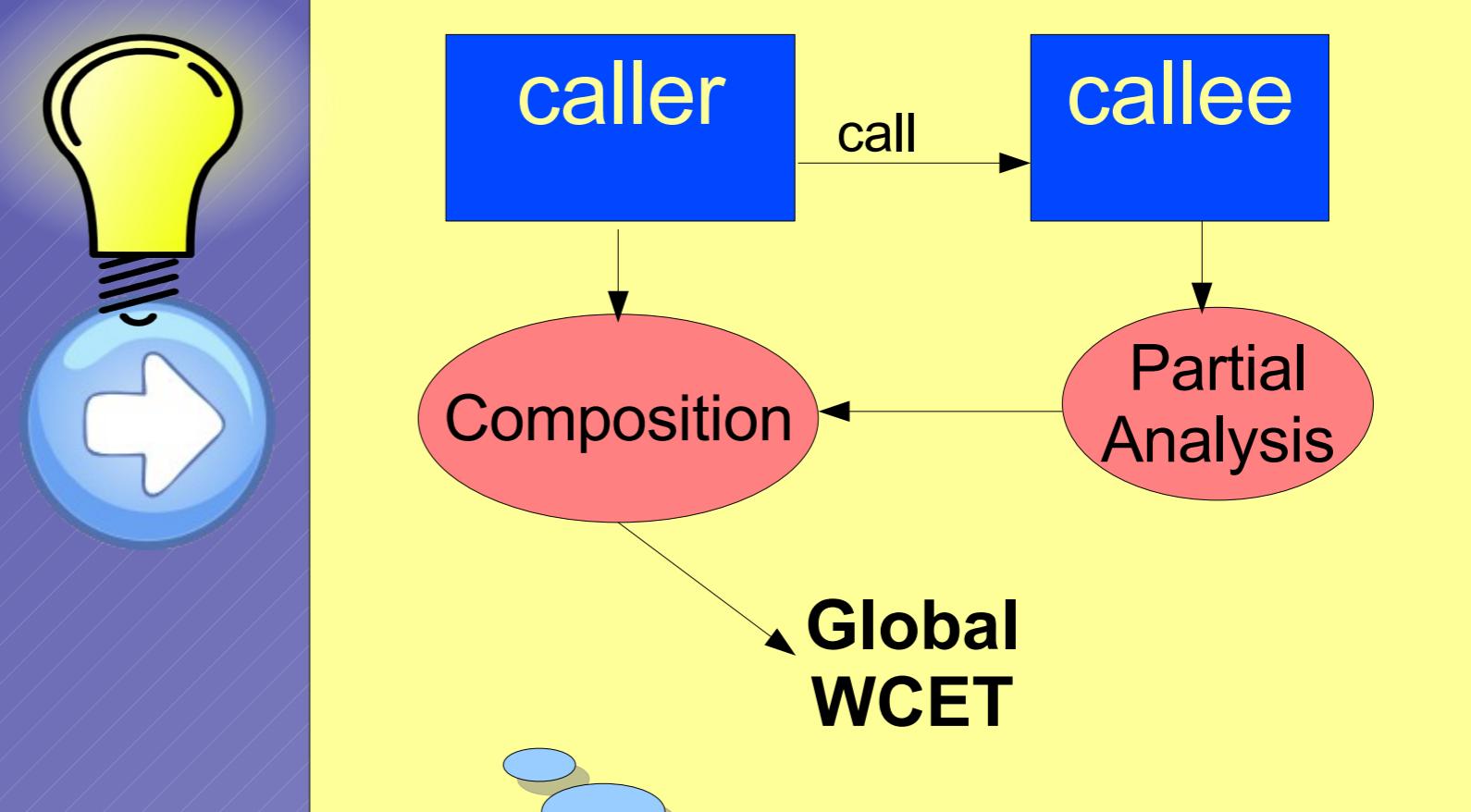


WCET Computation of Software Components by Partial Static Analysis

usual analysis process



partial analysis process



Exponential analysis time

Problem with unavailable components



Reduced analysis time

No problem with components.



callee

Transfer function

Partial Analysis

Summary function

building partial results

composing partial results

caller

transfer

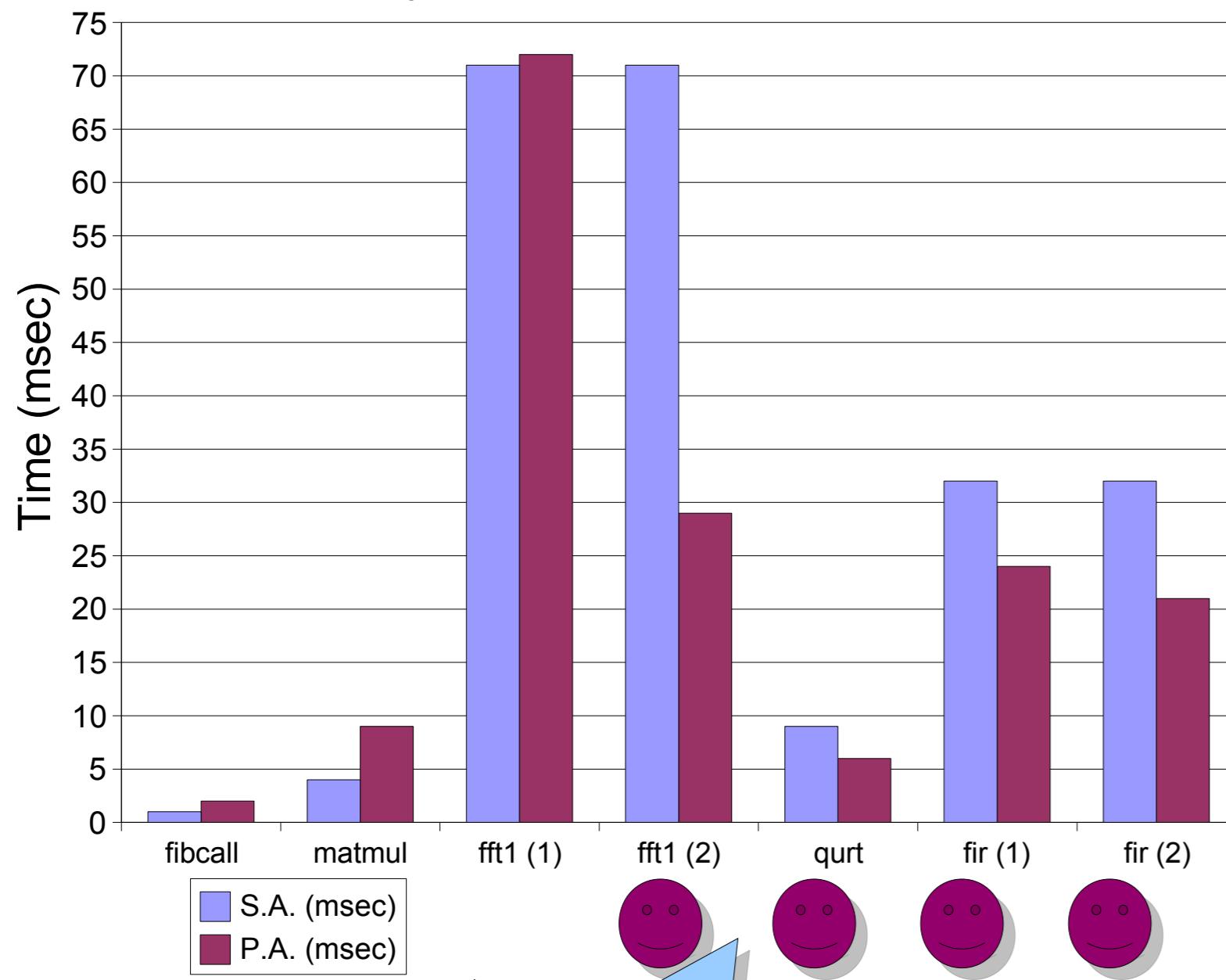
summary

WCET_{caller}

WCET

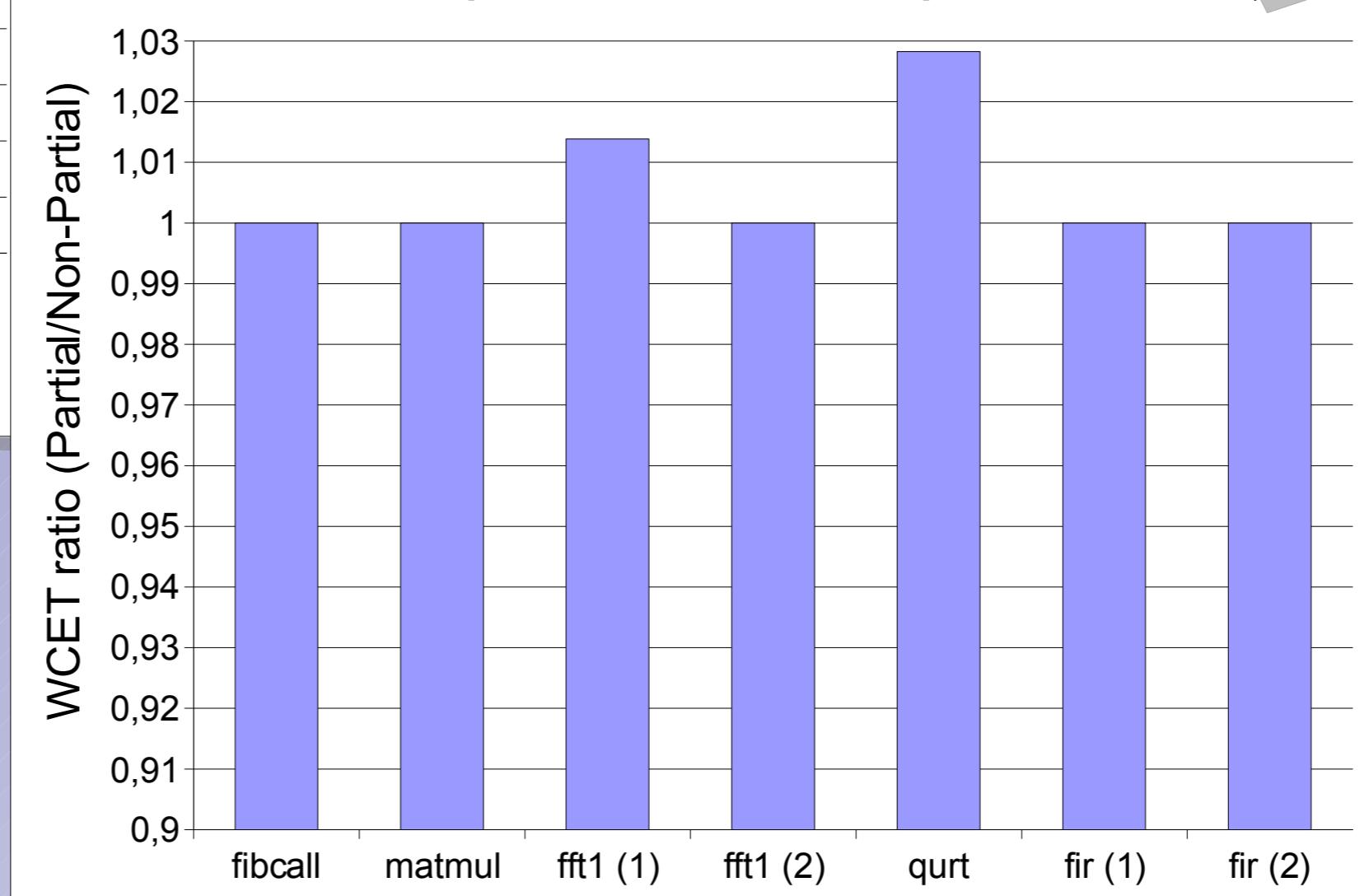
WCET_{callee}

Analysis time comparison



Analysis time gain

Added pessimism comparison



Correct WCET
Few added pessimism