

**Key**

- worst case upper bound
- _____ worst case runtime
- worst case lower bound

Applications

- DARPA STAC program [4]
- AProVE [1] and LoAT [3] are crucial parts of the CAGE toolchain [2]
- used to find or prove the absence of DoS vulnerabilities in Java programs

[1] AProVE – <http://aprove.informatik.rwth-aachen.de>[2] CAGE – <http://www.draper.com/news/draper-s-cage-could-spot-code-vulnerable-denial-service-attacks>[3] LoAT – <https://github.com/aprove-developers/LoAT>[4] Space/Time Analysis for Cybersecurity (STAC) – <https://www.darpa.mil/program/space-time-analysis-for-cybersecurity>