Example:

For a given SLS algorithm for SAT applied to a specific SAT instance we observe

- a median run-time of 38,911 search steps (*operation count*);

- the CPU time required for each search step is 0.027ms, while initialisation takes 0.8ms (*cost model*)

when running the algorithm on an Intel Xeon 2.4GHz CPU with 512KB cache and 1GB RAM running Red Hat Linux, Version 2.4smp (*run-time environment*).
Empirical scaling of algorithm performance

\[ f(n) = 0.35 \times 2^{n/23.4} \]

\[ f(n) = 10.9 \times n^{3.67} \]
Correlation of algorithm performance (each point one instance)
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