Error Localization & Relevance Analysis

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Definition 1 (Relevancy)**.** *Let π be a feasible error trace and let $\pi[i]$ be an assignment statement of the form $x := expr$. We call the statement $\pi[i]$* ***responsible for the error*** *if there exists some mapping $f(y, z, ..)$ such that the trace π' that is obtained from π by replacing $\pi[i]$ by $x := f(y, z...)$ is infeasible.*