

Regression Testing

Software Testing
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Regression Testing



Goldilocks Problem!

Right size, finish in timely manner, efficient, effective, safe, precise,

Evolving Regression Test Sets

- Failed one or more regression tests
 1. the **change** to the software is **faulty**, or
 2. the regression **test** set itself is **broken**.
- Regression test set that is satisfactory for a given version of the software is not necessarily satisfactory for a subsequent version.
- Any **change** requires the regression test set to be **reanalyzed** to see if it is adequate or not.



Regression Test Selection

Select a **subset** of the existing tests to retest the new version of the program.




Test Case Prioritisation

Order regression tests such that their execution provides benefits such as earlier detection of faults..



On the search for industry-relevant regression testing research

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