BF Backtracking

to the Bug in the
Improper Operation

back to the Improper
Operation

back to Improper
Operand$_{2j}$

back to Improper
Operand$_{np-2}$

from the Failure back to
Improper Operand$_{np-1}$

Improper Operation

Improper Operand$_{2j}$

Improper Operand$_{3k}$

Improper Operand$_{np}$

Exploitable Error

Improper State$_1$

(operation $_1$,
operand $_{11}$, ...
operand $_{1ii}$, ...)

Improper State$_2$

(operation $_2$,
operand $_{2j}$, ...)

...

Improper State$_n$

(operation $_n$, ...
operand $_{np}$, ...)

Failure

Initial State – caused by the Bug

Final State – results in the Final/Exploitable Error

Transition State – caused by a Fault

Failure – caused by exploitation of the Final Error

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