



## Specification-Based (Functional) Test Design

A: Desired, specified and implemented software behavior
B: Desired, but not specified or implemented software behavior
C: Specified, but not desired or implemented software behavior
D: Implemented, but not desired or specified software behavior
E: Desired and specified, but not implemented software behavior
F: Specified and implemented, but not desired software behavior
G: Desired and implemented, but not specified software behavior

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## Implementation-Based (Structural) Test Design

A: Desired, specified and implemented software behavior
B: Desired, but not specified or implemented software behavior
C: Specified, but not desired or implemented software behavior
D: Implemented, but not desired or specified software behavior
E: Desired and specified, but not implemented software behavior
F: Specified and implemented, but not desired software behavior
G: Desired and implemented, but not desired software behavior
G: Desired and implemented, but not specified software behavior









(1, 2, 3) $(1, 2, 3)(4, 2)$ $(6, 4, 2)(12, 4)$ $(9, 12, 4)(1, 16)$ $(0, 1, 16)$
(4, 2) $(6, 4, 2)(12, 4)$ $(9, 12, 2)(1, 16)$ $(0, 1, 16)$
12, 4) (9, 12, 4)
1, 16) (0, 1, 16
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3, 4, 1) (13, 4, 1
(1, 2, 3
(6, 4, 2
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1, 16) (0, 1, 16
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