Practico 2
Report

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1 Black Box testing

1.1 Input space partitioning

- Characteristic 1: "is a leap year"
  Block 1: true
  Block 2: false

- Characteristic 2: "the first date is a valid date"
  Block 1: true
  Block 2: false

- Characteristic 3: "the second date is a valid date"
  Block 1: true
  Block 2: false

- Characteristic 6: "relation between days"
  Block 1: $d1 < d2$
  Block 2: $d1 = d2$
  Block 3: $d1 > d2$

- Characteristic 5: "relation between months"
  Block 1: $m1 < m2$
  Block 2: $m1 = m2$
  Block 3: $m1 > m2$

- Characteristic 6: "relation of the first day with respect to the range [1..31]"
  Block 1: $d1 \geq 1 \land d1 \leq 31$
  Block 2: $d1 < 1$
  Block 3: $d1 > 31$

- Characteristic 7: "relation of the first month with respect to the range [1..12]"
  Block 1: $m1 \geq 1 \wedge d1 \leq 12$
  Block 2: $m1 < 1$
  Block 3: $m1 > 12$

- Characteristic 8: "relation of the second day with respect to the range [1..31]"
  Block 1: $d2 \geq 1 \wedge d2 \leq 31$
  Block 2: $d2 < 1$
  Block 3: $d2 > 31$

- Characteristic 9: "relation of the second month with respect to the range [1..12]"
  Block 1: $m2 \geq 1 \wedge m2 \leq 12$
  Block 2: $m2 < 1$
  Block 3: $m2 > 12$

- Characteristic 10: "relation of the year with respec to the range [1..10000]"
  Block 01: $y \in [1..1000]$
  Block 02: $y \in [1001..2000]$
  Block 03: $y \in [2001..3000]$
  Block 04: $y \in [3001..4000]$
  Block 05: $y \in [4001..5000]$
  Block 06: $y \in [5001..6000]$
  Block 07: $y \in [6001..7000]$
  Block 08: $y \in [7001..8000]$
  Block 09: $y \in [8001..9000]$
  Block 10: $y \in [9001..10000]$
  Block 11: $y < 1$
  Block 12: $y > 10000$

c1	c2	c3	c4	c5	c6	c7	c8	c9	
t	t	t	$d1 < d2$	$m1 < m2$	$d1 \in [1..31]$	$m1 \in [1..12]$	$d2 \in [1..31]$	$m2 \in [1..12]$	$y \in$
f	t	t	$d1 < d2$	$m1 < m2$	$d1 \in [1..31]$	$m1 \in [1..12]$	$d2 \in [1..31]$	$m2 \in [1..12]$	$y \in$
t	f	t	$d1 < d2$	$m1 < m2$	$d1 \in [1..31]$	$m1 \in [1..12]$	$d2 \in [1..31]$	$m2 \in [1..12]$	$y \in$
t	t	f	$d1 < d2$	$m1 < m2$	$d1 \in [1..31]$	$m1 \in [1..12]$	$d2 \in [1..31]$	$m2 \in [1..12]$	$y \in$
t	t	t	$d1 = d2$	$m1 < m2$	$d1 \in [1..31]$	$m1 \in [1..12]$	$d2 \in [1..31]$	$m2 \in [1..12]$	$y \in$
t	t	t	$d1 > d2$	$m1 < m2$	$d1 \in [1..31]$	$m1 \in [1..12]$	$d2 \in [1..31]$	$m2 \in [1..12]$	$y \in$
t	t	t	$d1 < d2$	$m1 = m2$	$d1 \in [1..31]$	$m1 \in [1..12]$	$d2 \in [1..31]$	$m2 \in [1..12]$	$y \in$
t	f	t	$d1 < d2$	$m1 > m2$	$d1 \in [1..31]$	$m1 \in [1..12]$	$d2 \in [1..31]$	$m2 \in [1..12]$	$y \in$
t	f	t	$d1 < d2$	$m1 < m2$	$d1 < 1$	$m1 \in [1..12]$	$d2 \in [1..31]$	$m2 \in [1..12]$	$y \in$
t	f	t	$d1 > d2$	$m1 < m2$	$d1 > 31$	$m1 \in [1..12]$	$d2 \in [1..31]$	$m2 \in [1..12]$	$y \in$
t	f	t	$d1 < d2$	$m1 < m2$	$d1 \in [1..31]$	$m1 < 1$	$d2 \in [1..31]$	$m2 \in [1..12]$	$y \in$
t	f	t	$d1 < d2$	$m1 > m2$	$d1 \in [1..31]$	$m1 > 12$	$d2 \in [1..31]$	$m2 \in [1..12]$	$y \in$
t	t	f	$d1 > d2$	$m1 < m2$	$d1 \in [1..31]$	$m1 \in [1..12]$	$d2 < 1$	$m2 \in [1..12]$	$y \in$
t	t	f	$d1 < d2$	$m1 < m2$	$d1 \in [1..31]$	$m1 \in [1..12]$	$d2 > 31$	$m2 \in [1..12]$	$y \in$
t	t	f	$d1 < d2$	$m1 > m2$	$d1 \in [1..31]$	$m1 \in [1..12]$	$d2 \in [1..31]$	$m2 < 1$	$y \in$
t	t	f	$d1 < d2$	$m1 < m2$	$d1 \in [1..31]$	$m1 \in [1..12]$	$d2 \in [1..31]$	$m2 > 12$	$y \in$
t	f	f	$d1 < d2$	$m1 < m2$	$d1 \in [1..31]$	$m1 \in [1..12]$	$d2 \in [1..31]$	$m2 \in [1..12]$	
t	f	f	$d1 < d2$	$m1 < m2$	$d1 \in [1..31]$	$m1 \in [1..12]$	$d2 \in [1..31]$	$m2 \in [1..12]$	$y >$