

# Practico 2

## Report

Baseggio, Axel Gabriel

August 31, 2023

## 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:  $d1 \geq 1 \wedge d1 \leq 31$   
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 respect to the range [1..10000]"  
 Block 1:  $y \geq 1 \wedge y \leq 10000$   
 Block 2:  $y < 1$   
 Block 3:  $y > 10000$

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	$d1 < d2$	$m1 < m2$	$d1 \in [1..31]$	$m1 \in [1..12]$	$d2 \in [1..31]$	$m2 \in [1..12]$	$y \in$