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CS 409

HW1

Professor Robert Ward

Problem1:

a. E1: name = null

E2: name = emptystring

E3: name = chars > 20 chars

E4: nameofchars < 20

E5: age < 0

E6: name = invalidchars

E7: age > 120

E8: $0 \leq \text{age} \leq 120$

b. Multi dimensional

E1: name = stringofchars < 20, age < 0

E2: name = {}, age < 0

E3: name = invalid_input, age < 0

E4: name = invalid_input, age > 120

E5: name = > 20 chars, age < 0

E6: name = stringofchars < 20, age > 120

E7: name = stringofchars < 20, $0 < \text{age} < 120$

E8: name = name = {}, $0 \leq \text{age} \leq 120$

E9: name = invalid_input, $0 \leq \text{age} \leq 120$

E10: name = > 20 chars, age > 120

E11: name = {}, age > 120

E12: name = invalid_input, $0 < \text{age} < 120$

Problem2:

a.

E1: $x \leq y$

E2: $x > y$

E3: $y < 5$

E4: $-5 \leq y \leq 4$

E5: $y > 5$

b.

$x \leq y, y < -5$

$x \leq y, -5 \leq y \leq 4$

$x \leq y, y > 4$

$x > y, y < -5$

$x > y, -5 \leq y \leq 4$

$x > y, y > 4$

