

# CFG with Results for straight

1



2



$\tau$

$x = \text{int}(\text{input}())$

$\tau$

$y = \text{int}(\text{input}())$

$\tau$

$a = \text{sub}(x, 1)$

$x - a \leq 1, -x + a \leq -1$

$b = a$

$b - a \leq 0, -b + a \leq 0, x - a \leq 1, -x + a \leq -1, x - b \leq 1, -x + b \leq -1$

$b = \text{add}(b, 10)$

$b - a \leq 10, -b + a \leq -10, x - a \leq 1, -x + a \leq -1, x - b \leq -9, -x + b \leq 9$

$\text{print}(\text{sub}(a, x))$

$b - a \leq 10, -b + a \leq -10, x - a \leq 1, -x + a \leq -1, x - b \leq -9, -x + b \leq 9$



3

$b - a \leq 10, -b + a \leq -10, x - a \leq 1, -x + a \leq -1, x - b \leq -9, -x + b \leq 9$