8/24 ~ Liang 2.8-2.9, 4.1~4.6, 4.11   >>>

** - power
// - integer division
% - modulo

$4/2 = 2.0$
$4//2 = 2$
$2/4 = 0.5$
$2//4 = 0$

$$\% n$$

$7 \% 2 = 1$
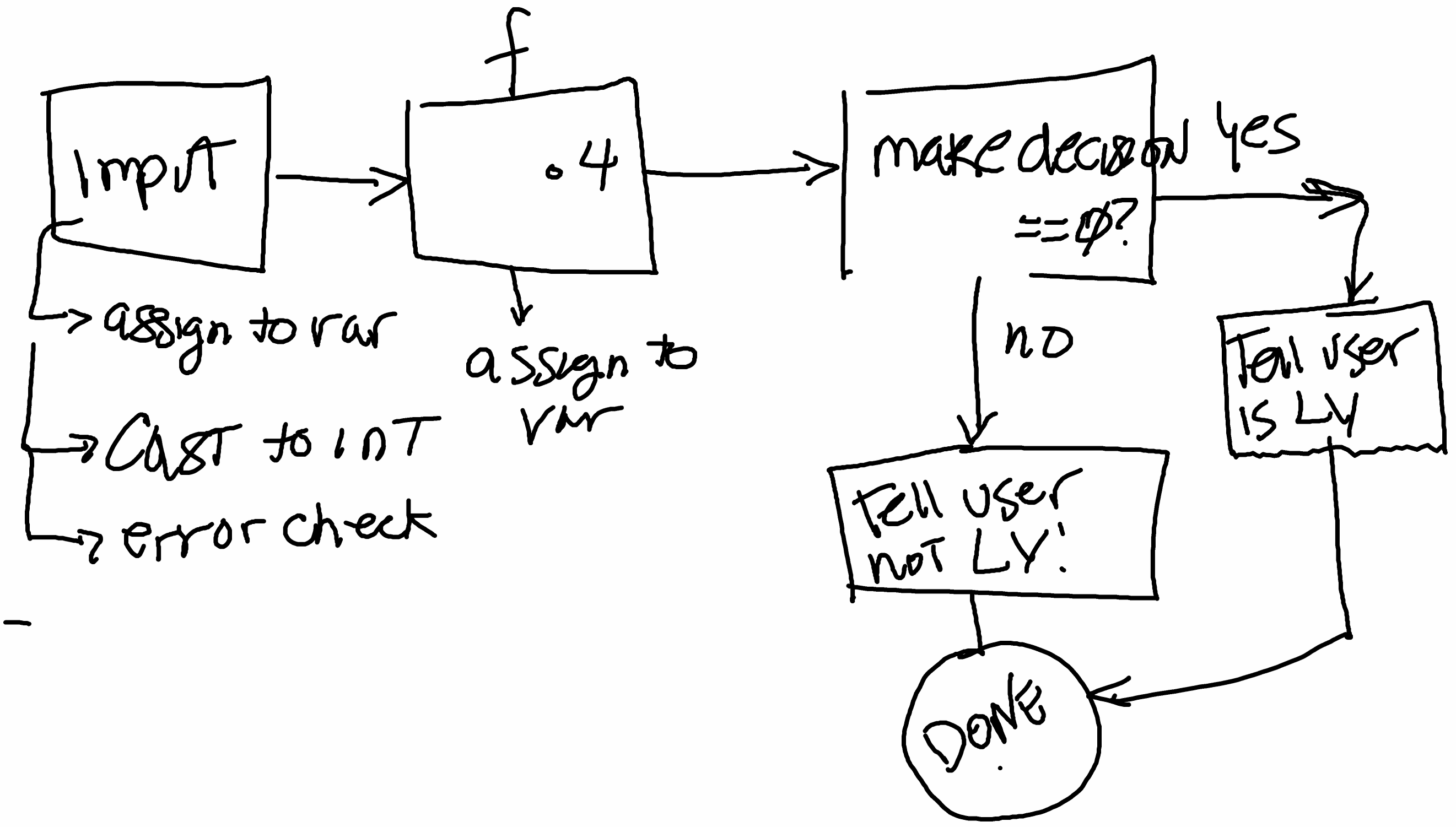
$7 \% 3 = 1$

$7 \% 4 = 3$

$1000 \% 3 = 1$

$1234 \% 3 = 1$

$2375 \% 3 = 2$

Input → f .4 → make decision == ∅? yes

Input:
→ assign to var
→ Cast to INT
→ error check

f .4:
assign to var

make decision == ∅?
no → Tell user not LY!
yes → Tell user is LY

Tell user not LY! → DONE

Tell user is LY → DONE

and, or, not

and

and	1	0
0	0	0
1	1	0

or

or	1	0
0	1	0
1	1	1

not

not	0	1
	1	0

$(5 > 4) - 1$

$==$ - Test for equal

$!=$ - Test for inequal

$(5 > 4)$
$\underbrace{}_{1}$

$3 < 2) - 0$
$\underbrace{}_{O}$

$(2 != 5) - 1$

$$(2 \mathrel{!=} 2) \text{ or } (3 == 3) - 1$$

$$\underbrace{(2 \mathrel{!=} 2)}_{\varnothing} \quad \underbrace{(3 == 3)}_{1}$$

$$(2 \mathrel{!=} 3) \text{ and } (-1 >= -4) - 1$$

$$\underbrace{(2 \mathrel{!=} 3)}_{1} \qquad \underbrace{}_{1}$$