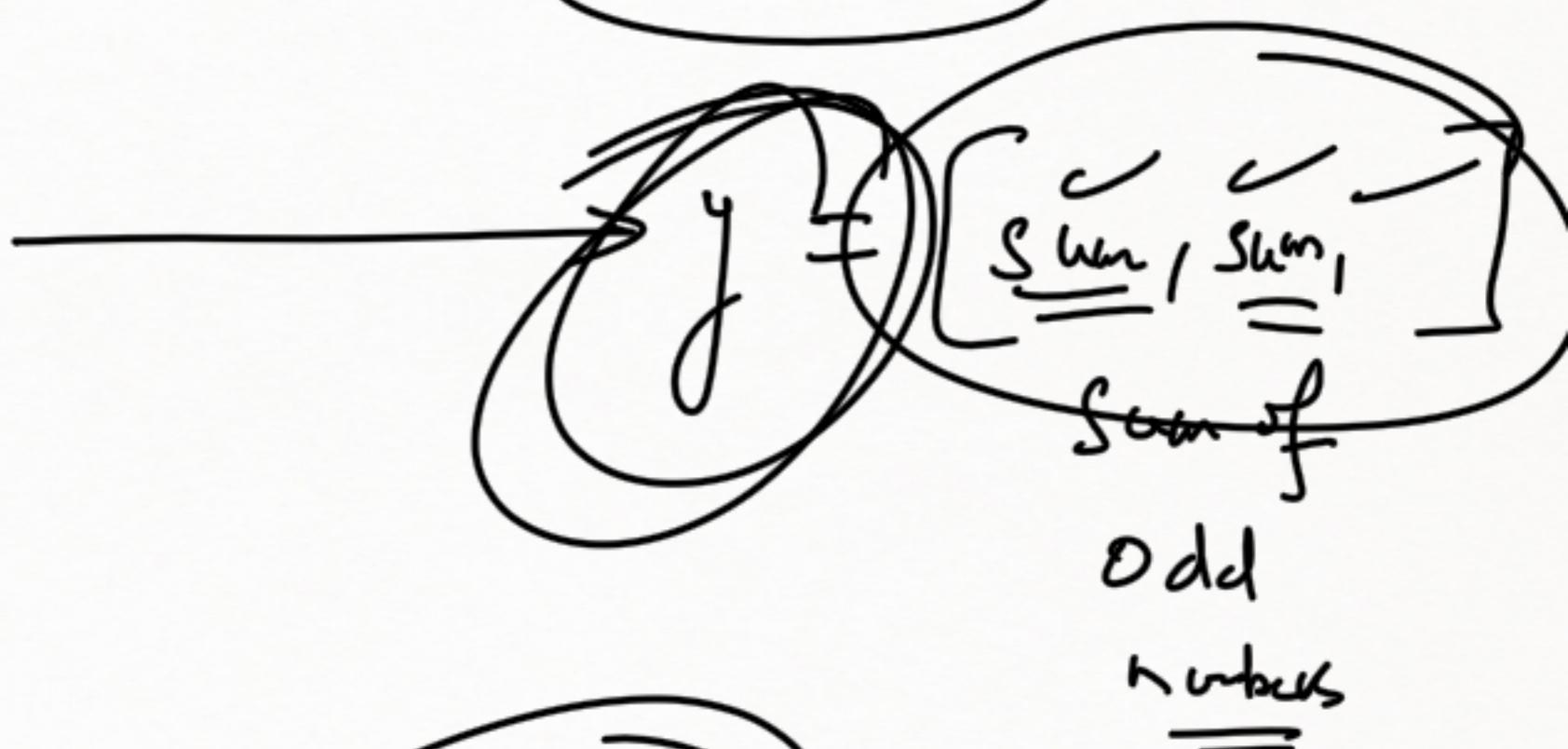


$$\text{primesum} = 13 + \text{number}$$

$$= 13 + 61$$

$$= \underline{\underline{74}}$$



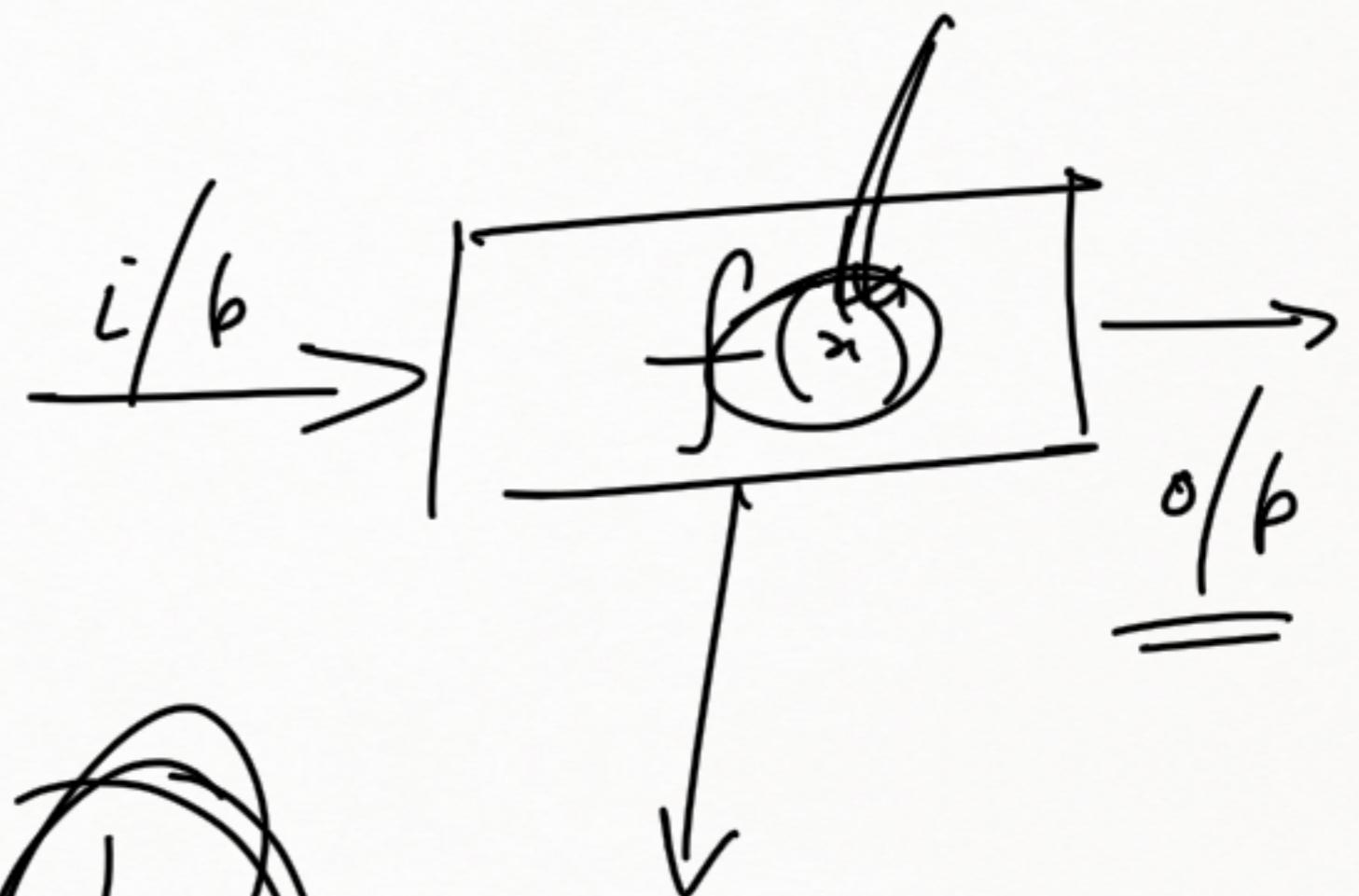
$$\begin{aligned} \text{odd sum} &= 57 + 13 \\ &= \underline{\underline{150}} \end{aligned}$$

$$\begin{aligned} \text{even\_sum} &= 28 + 6 \\ &= \underline{\underline{30}} \end{aligned}$$

$$f(x) = \sin x$$

$y = f(x) = \sin x = \frac{1}{2}$

30°



CALLING A  
FUNCTION

$f(a)$

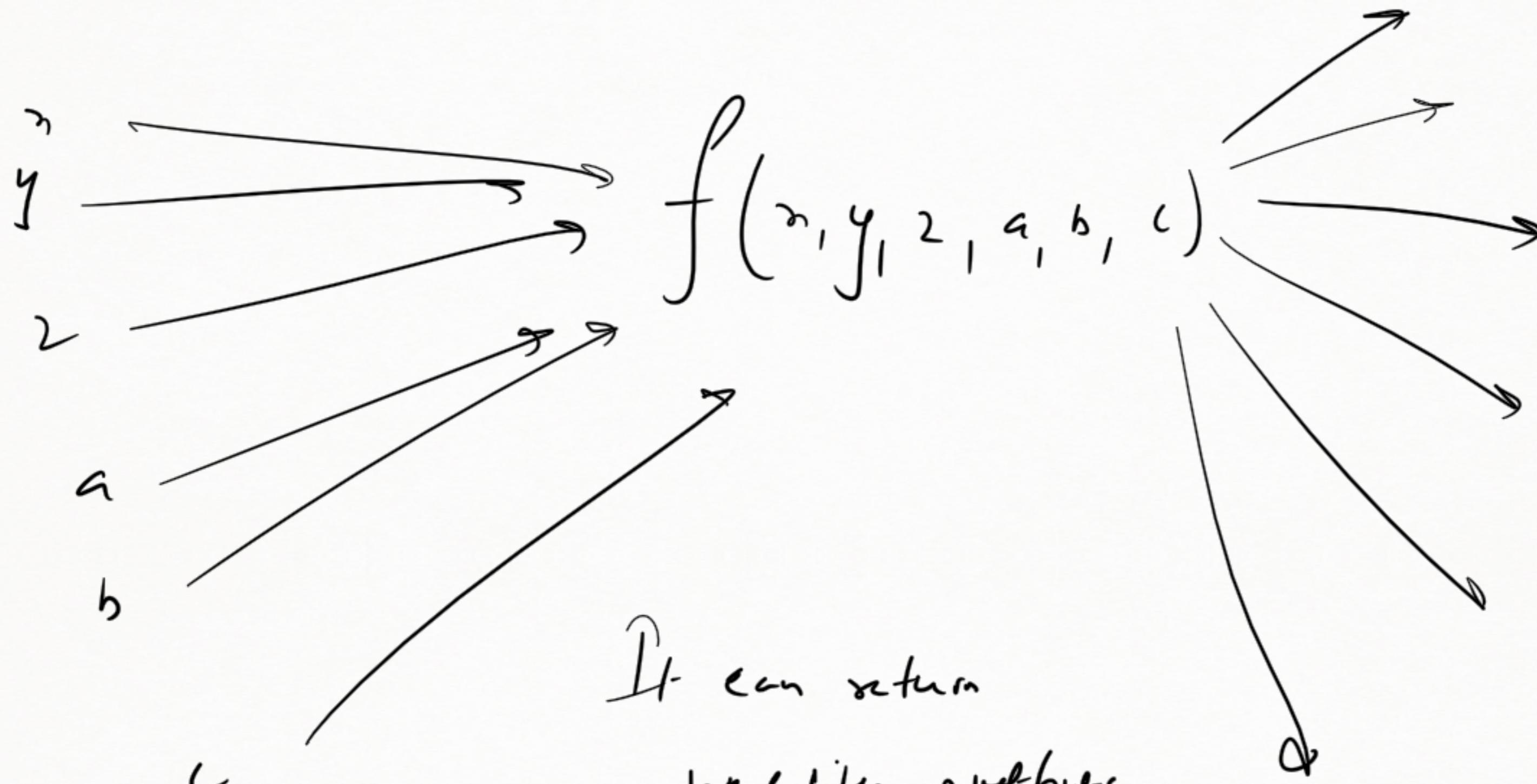
$f$  is a function of  $x$

DEBUGGING

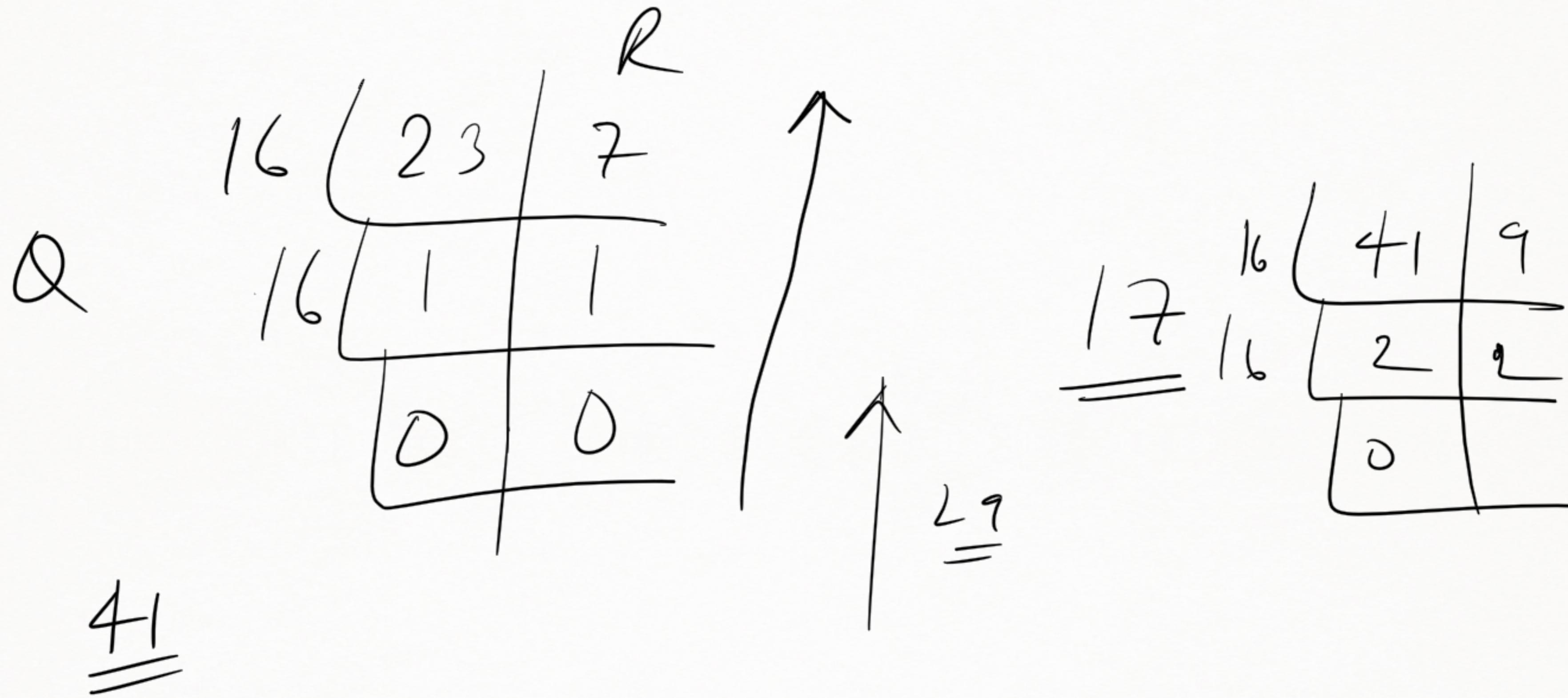
RECURSION

Parameter, Argument

PARAMETER, ARGUMENT



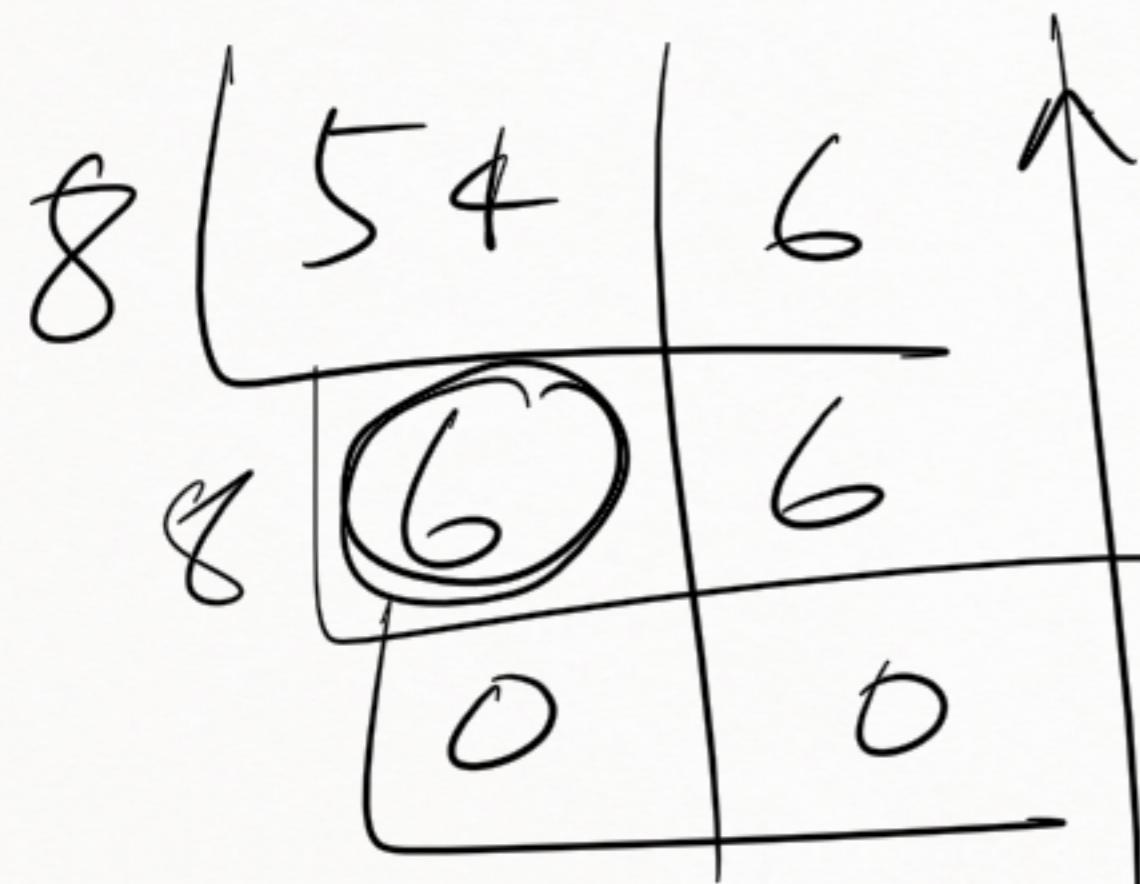
It can return  
multiple outputs



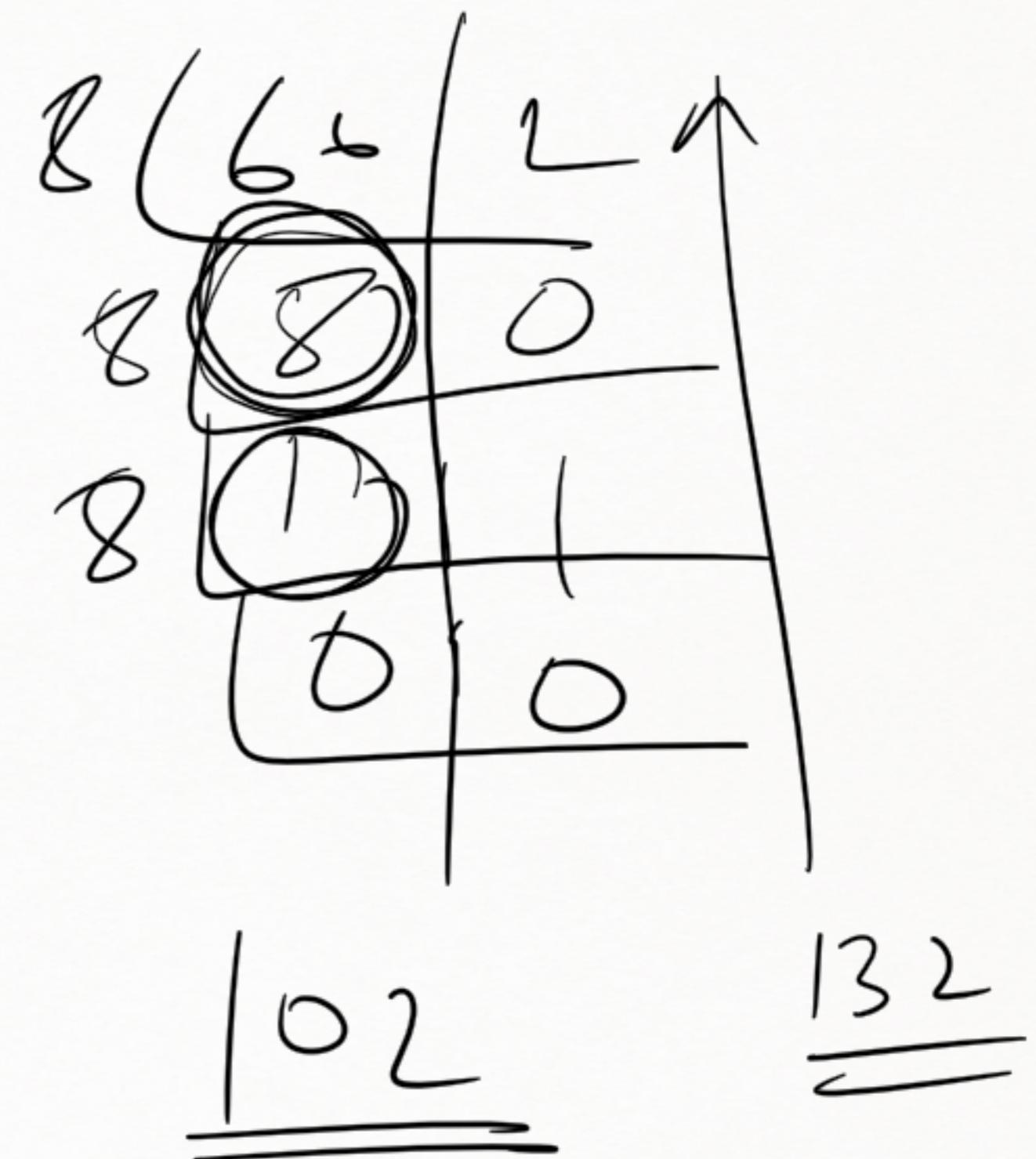
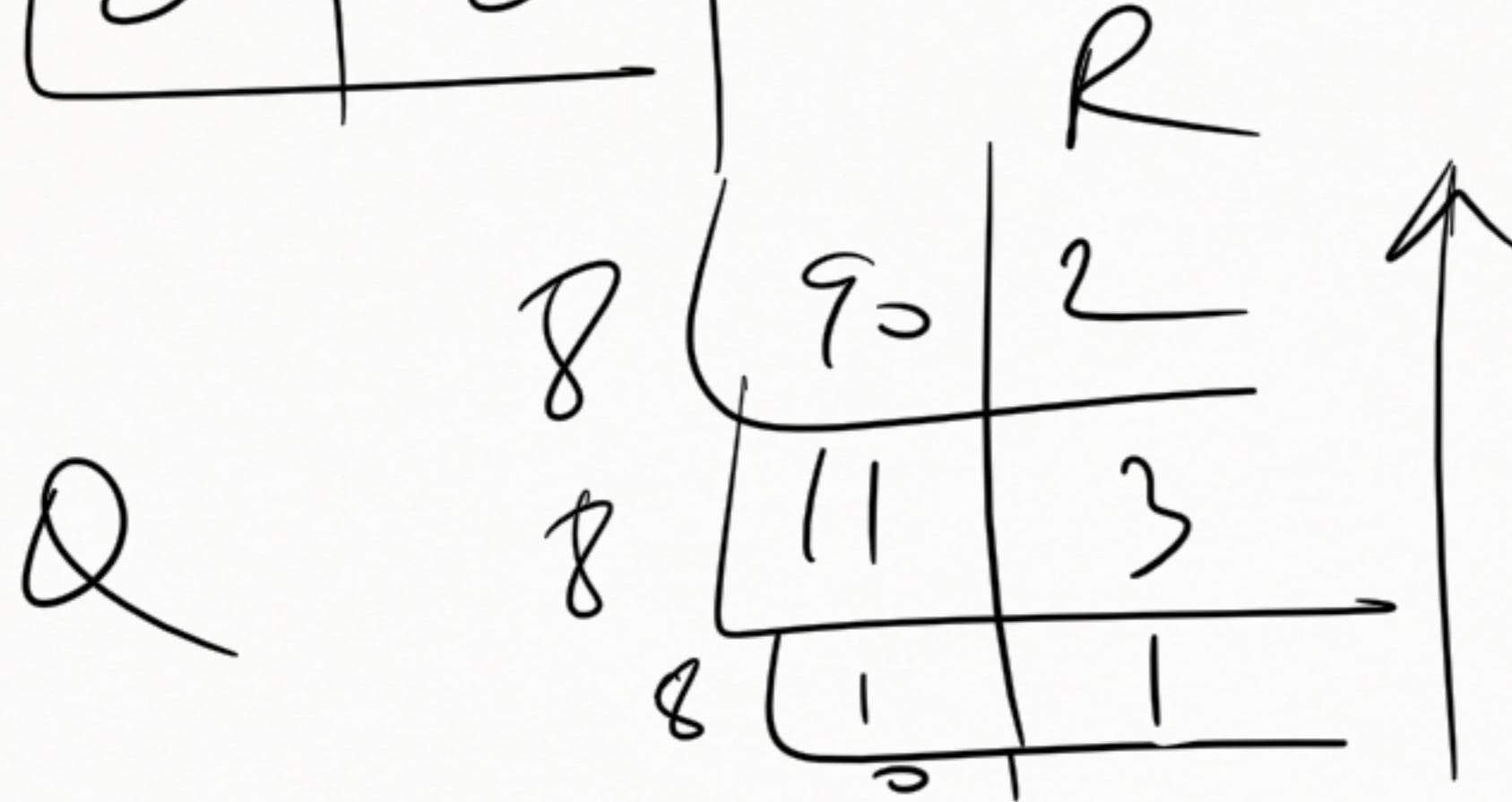
3D

$$\begin{array}{r} 16(61) \\ \hline 16 \quad 3 \\ \hline 0 \end{array} \quad 13 \rightarrow D \uparrow$$

3  
0



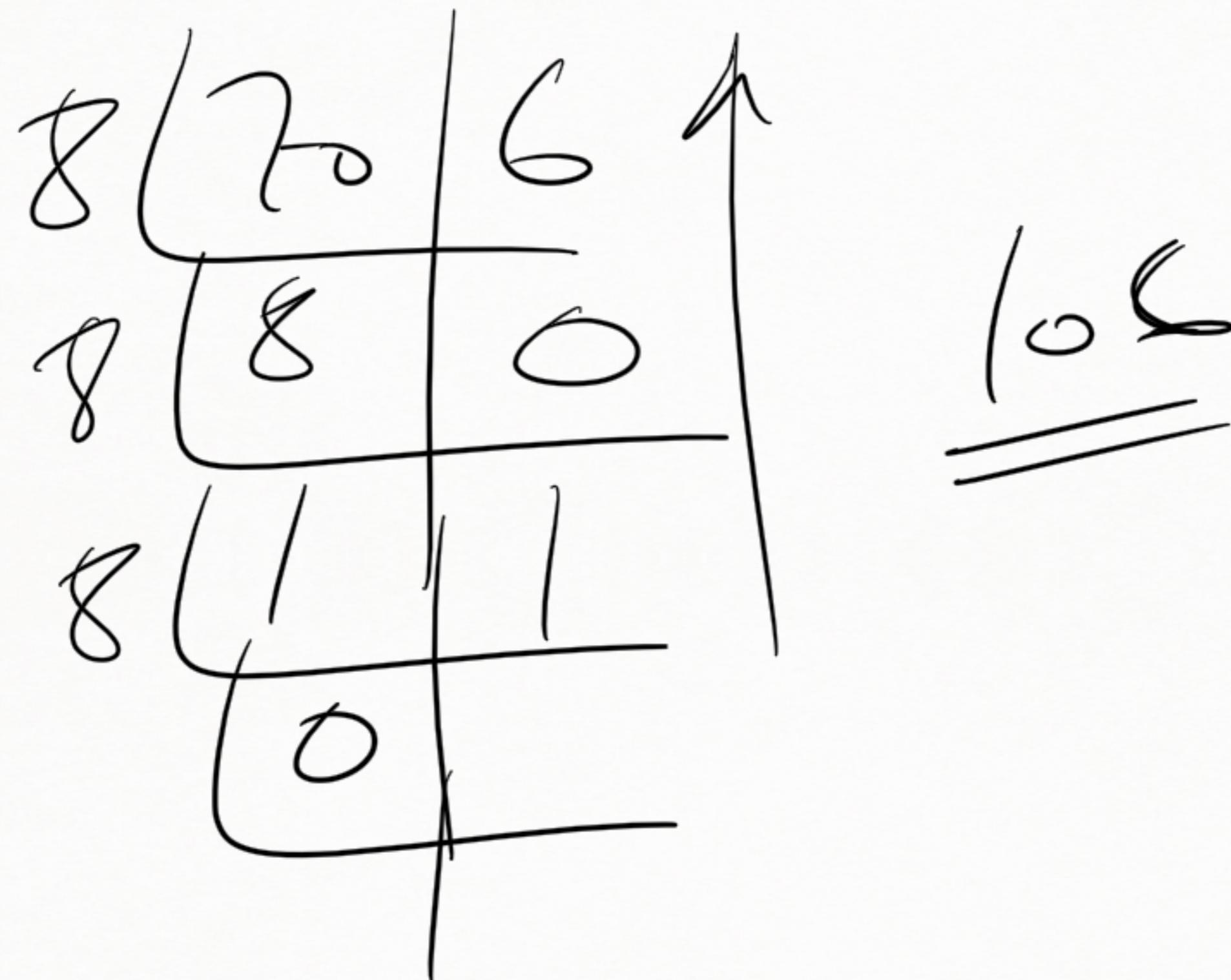
$$\underline{\underline{66}}$$

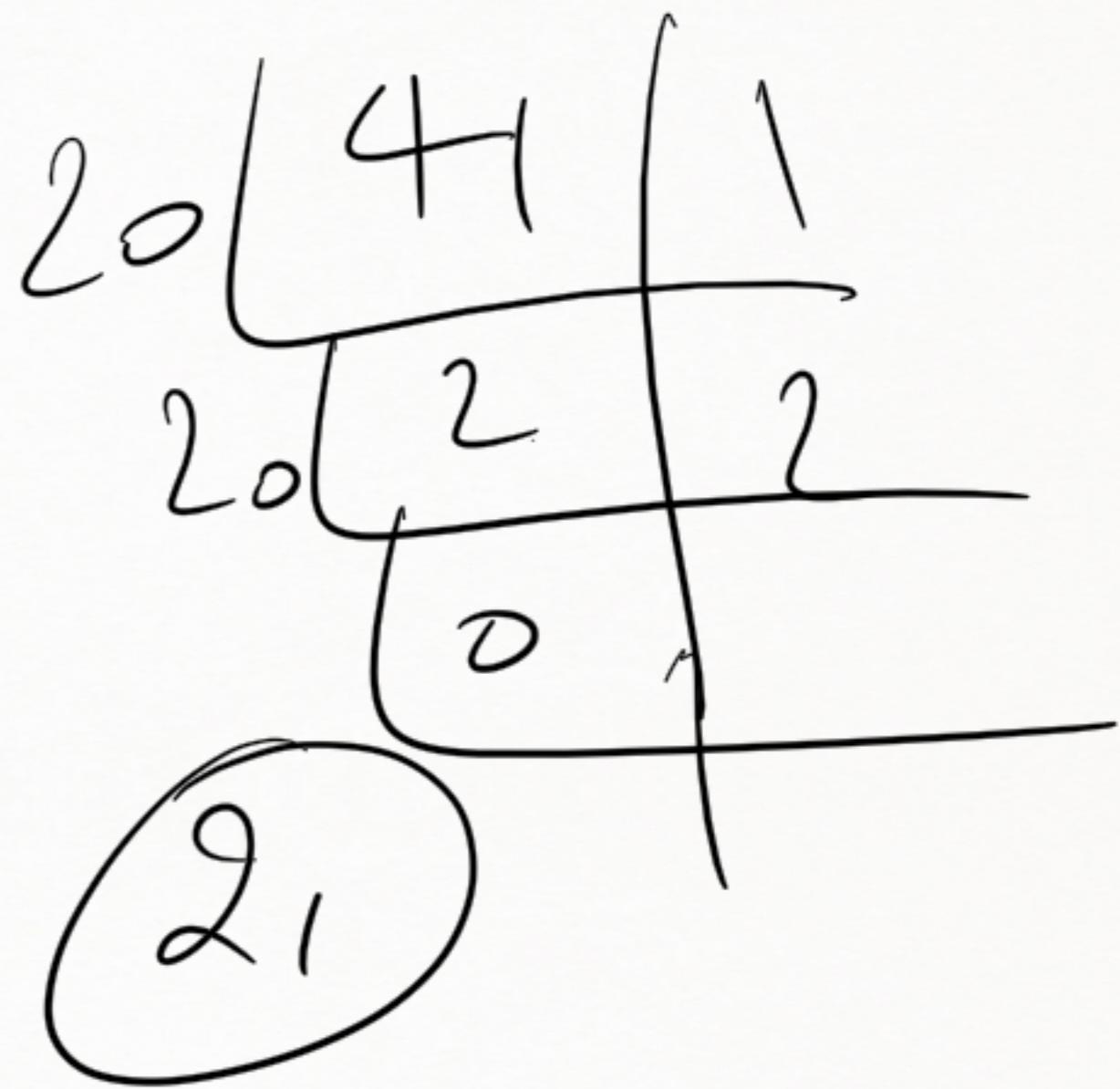
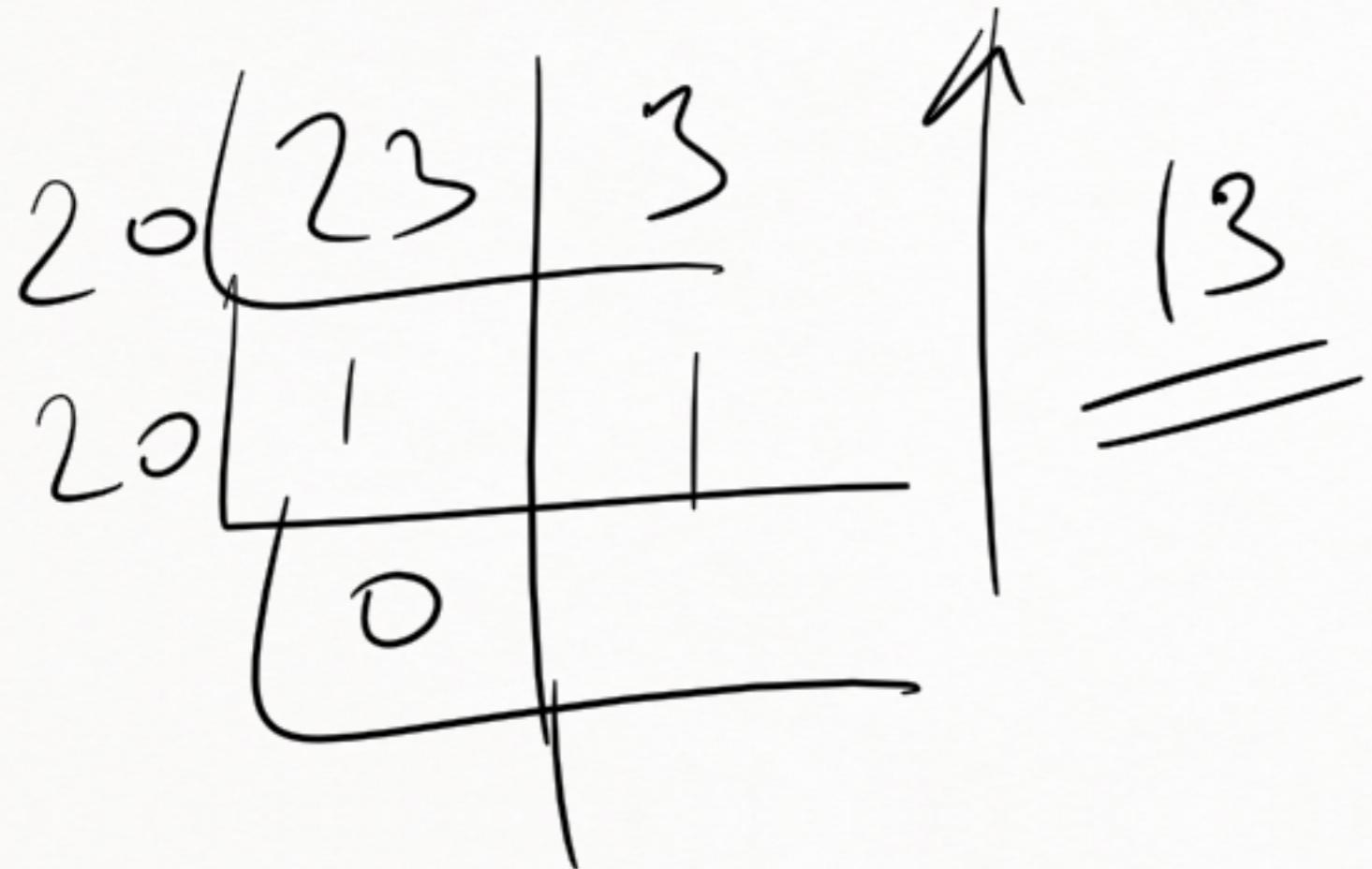


$$\underline{\underline{102}}$$

$$\underline{\underline{132}}$$

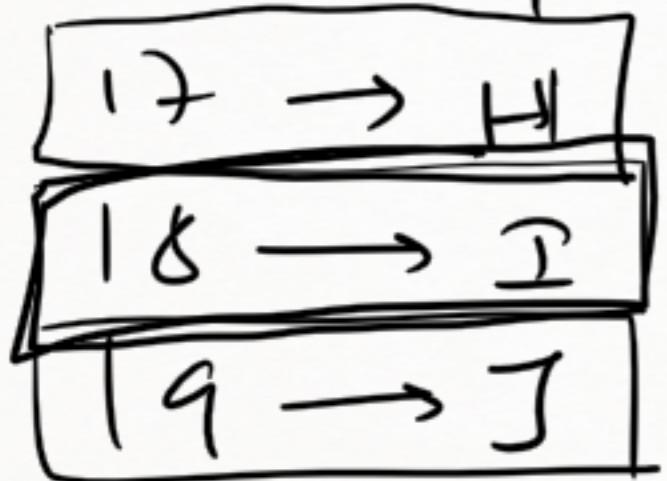
$$\underline{\underline{66}}$$





$15 \rightarrow F$

$16 \rightarrow G$



$0 \rightarrow J$

0  
1  
2  
3  
4  
5  
6  
7  
8  
9  
A  
B  
C  
D  
E  
F  
G  
H  
J

$JJ$

$00 \rightarrow JJ$

$100$

$101$

$102$

$103$

$104$

$105$

$106$

$107$

$108$

$109$

$10A$

$10B$

$10C$

$10D$

$10E$

$10F$

$10G$

$10H$

$10J$

$11J$

$21J$

$31J$

$41J$

$51J$

$12J$

$22J$

$32J$

$42J$

$13J$

$23J$

$33J$

$43J$

$14J$

$24J$

$34J$

$44J$

$15J$

$25J$

$35J$

$45J$

$16J$

$26J$

$36J$

$46J$

$17J$

$27J$

$37J$

$47J$

$18J$

$28J$

$38J$

$48J$

$19J$

$29J$

$39J$

$49J$

$10J$

$20J$

$30J$

$40J$

$11J$

$21J$

$31J$

$41J$

$12J$

$22J$

$32J$

$42J$

$13J$

$23J$

$33J$

$43J$

$14J$

$24J$

$34J$

$44J$

$15J$

$25J$

$35J$

$45J$

$16J$

$26J$

$36J$

$46J$

$17J$

$27J$

$37J$

$47J$

$18J$

$28J$

$38J$

$48J$

$19J$

$29J$

$39J$

$49J$

$10J$

$20J$

$30J$

$40J$

$11J$

$21J$

$31J$

$41J$

$12J$

$22J$

$32J$

$42J$

$13J$

$23J$

$33J$

$43J$

$14J$

$24J$

$34J$

$44J$

$15J$

$25J$

$35J$

$45J$

$16J$

$26J$

$36J$

$46J$

$17J$

$27J$

$37J$

$47J$

$18J$

$28J$

$38J$

$48J$

$19J$

$29J$

$39J$

$49J$

$10J$

$20J$

$30J$

$40J$

$11J$

$21J$

$31J$

$41J$

$12J$

$22J$

$32J$

$42J$

$13J$

$23J$

$33J$

$43J$

$14J$

$24J$

$34J$

$44J$

$15J$

$25J$

$35J$

$45J$

$16J$

$26J$

$36J$

$46J$

$17J$

$27J$

$37J$

$47J$

$18J$

$28J$

$38J$

$48J$

$19J$

$29J$

$39J$

$49J$

$10J$

$20J$

$30J$

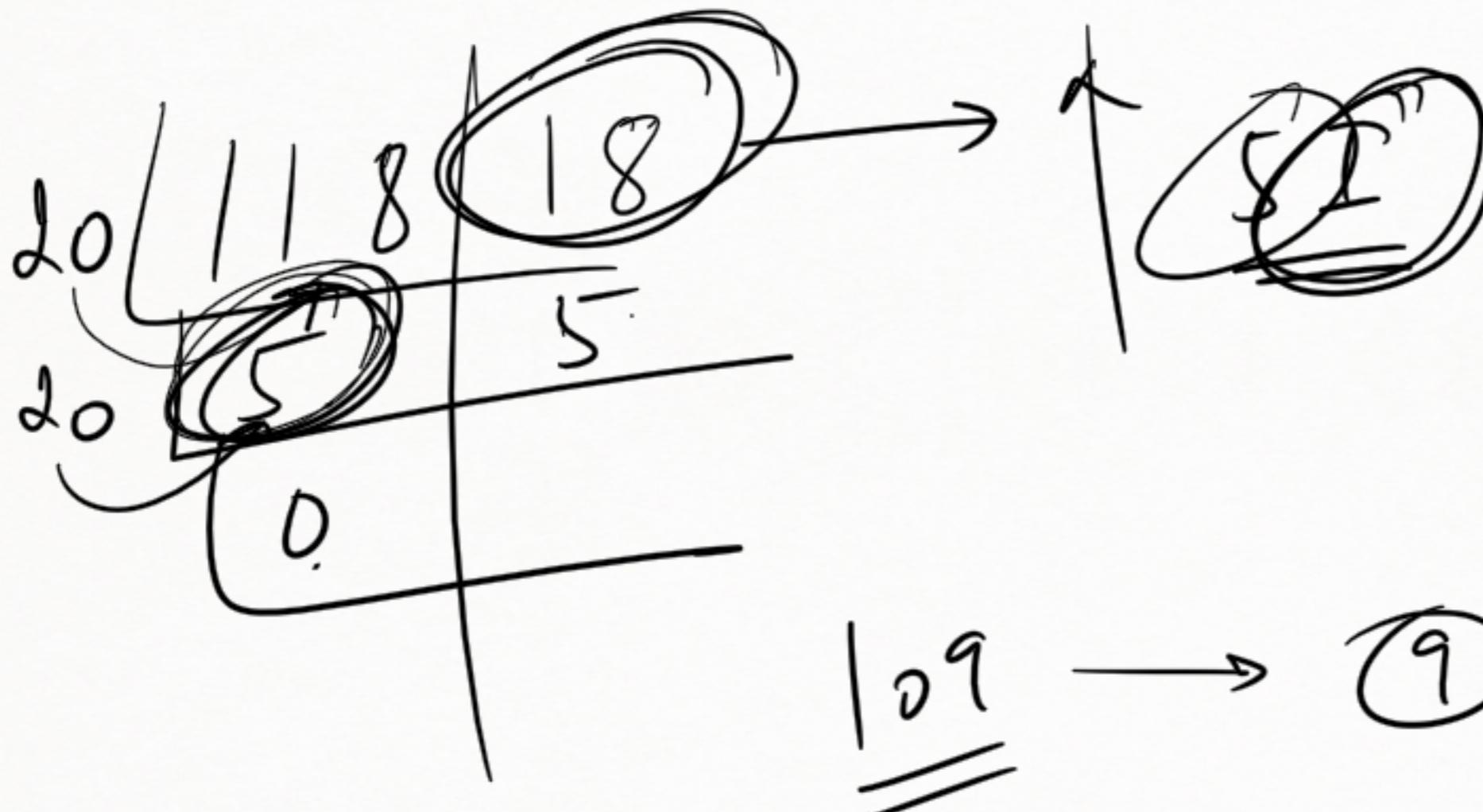
$40J$

$11J$

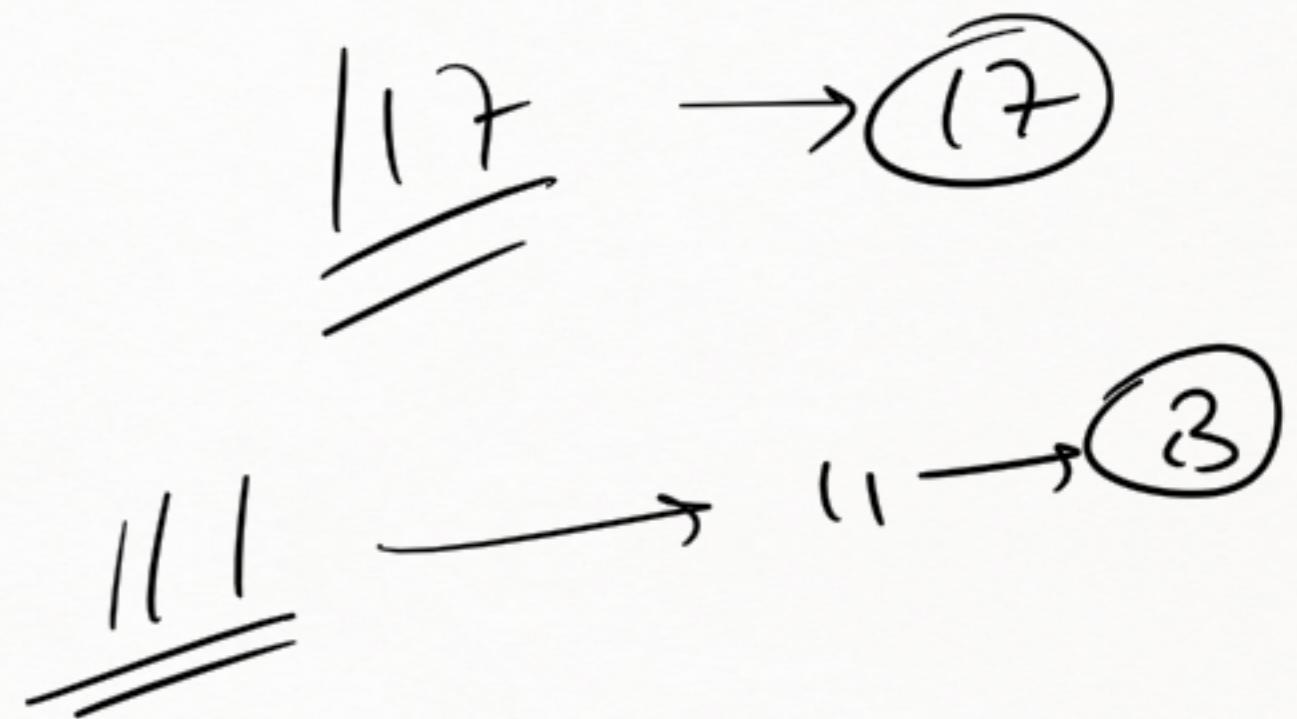
$21J$

$31J$

118



109 → ⑨

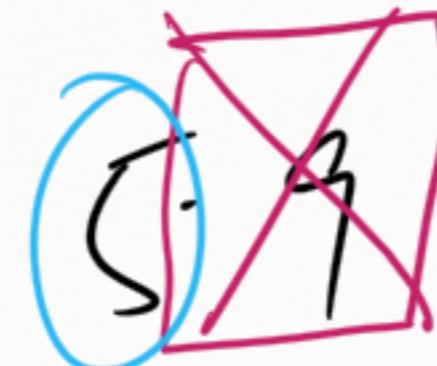


for loop

while loop

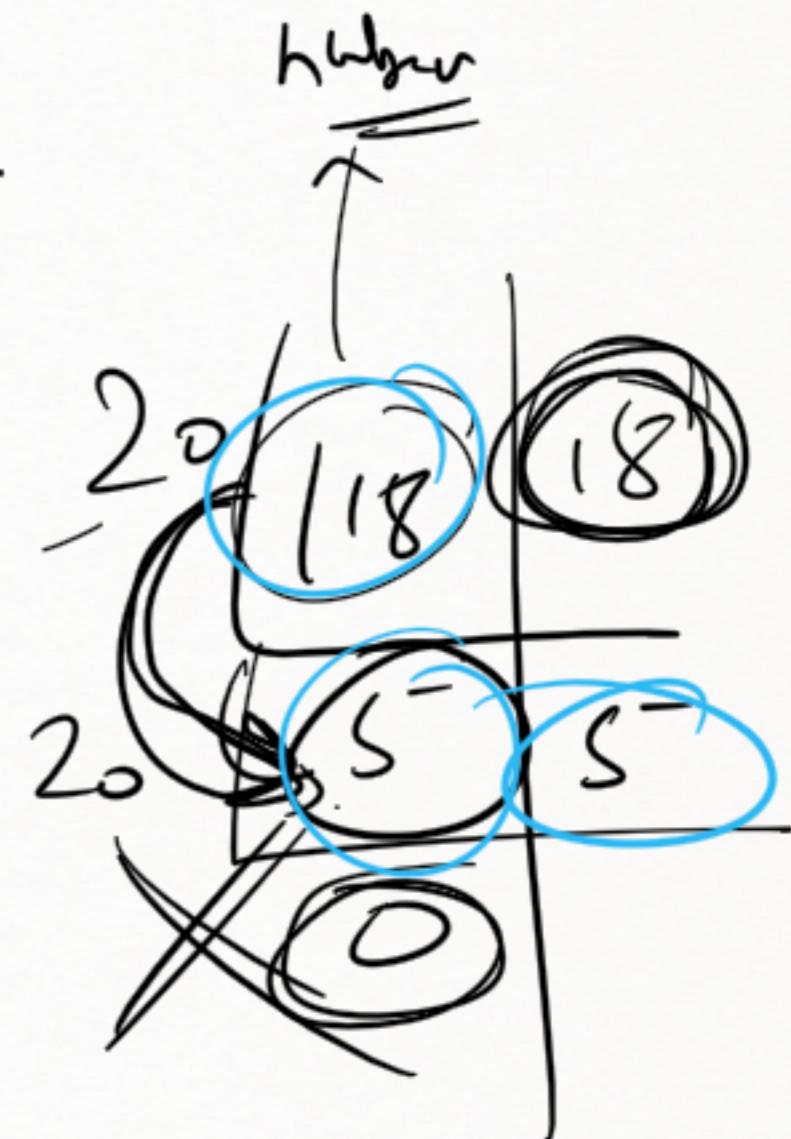
fill then

start dots



number → 118

5 P → 118



$$\text{number} = 118 // 20 \Rightarrow \text{number} = \underline{\underline{5}}$$

bgr-20-equivalent = " " + remainder str [remainder]  
" " + "i" = "i"

$$= 'i' \quad (" " + 'i') = 'i'$$

~~'i'~~ + ~~'i'~~ → error

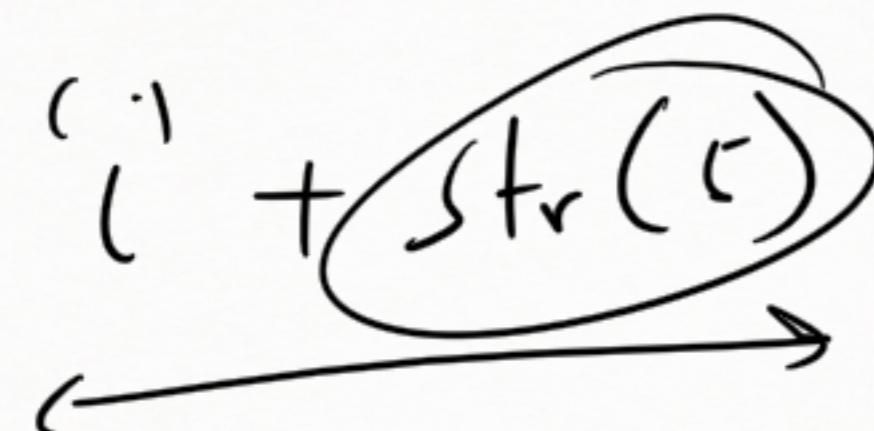
~~'i' 'i' 'i'~~ → str(s)  
~~'i' 'i' 'i'~~ → 's'  
symbol

bare- $\lambda_0$ -equivalent = ' $i$ ' 

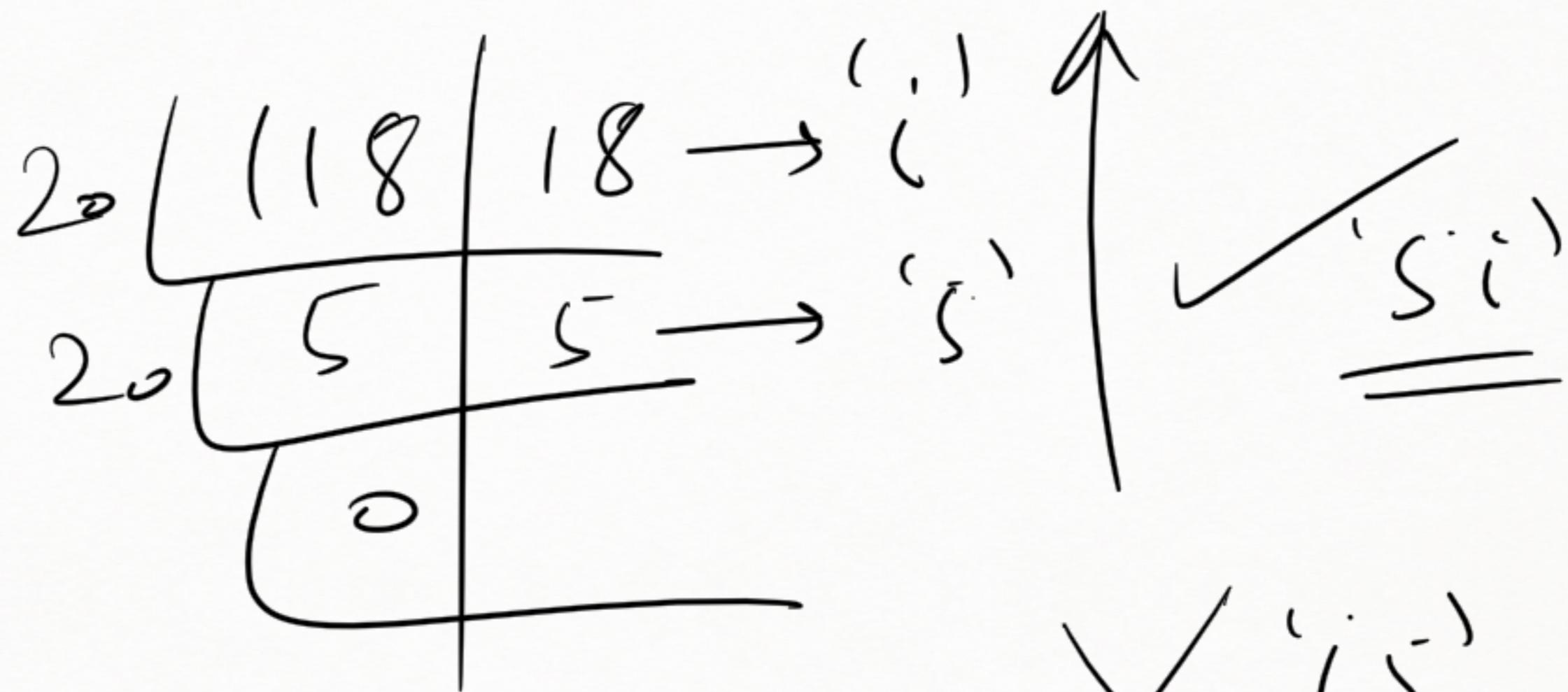
veränderte   $\stackrel{S}{\rightarrow} \stackrel{\sigma}{\rightarrow}$   
 $L_0$

bare- $\lambda_0$ -equivalent = bare- $\lambda_0$ -equivalent +

str( remainder)

= ' $i$ ' + str( $c$ ) = 'is'      ' $i$ '      ' $s$ '  


~~(i5')~~



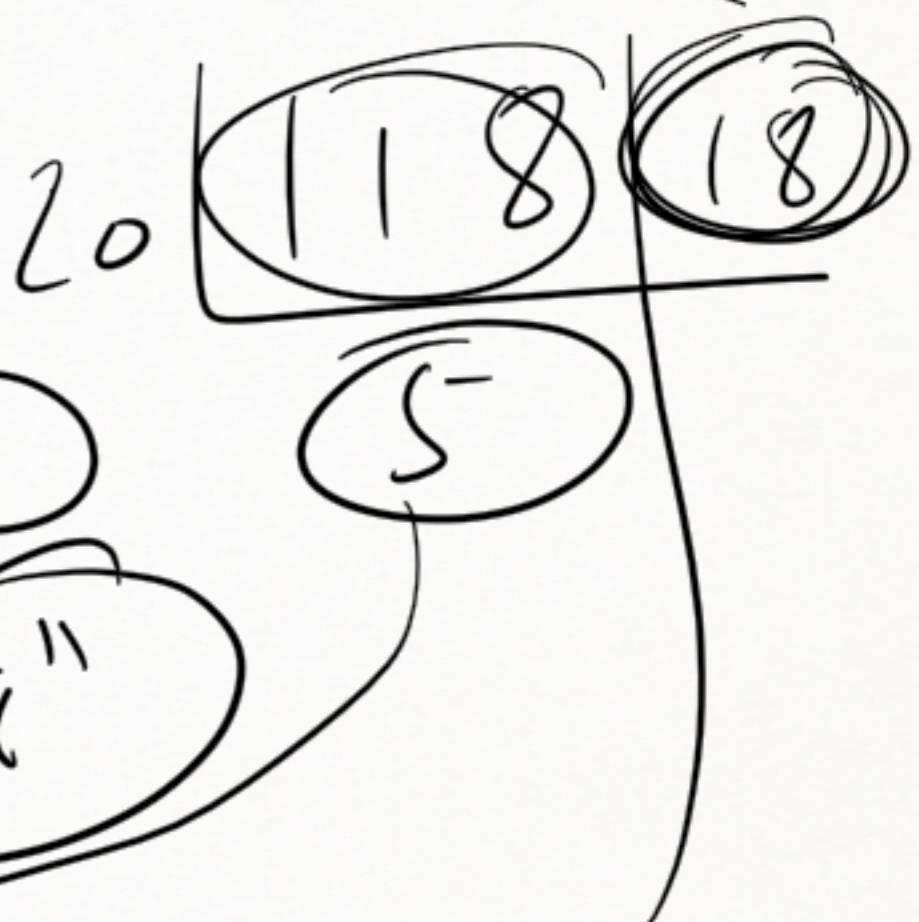
~~(i5')~~

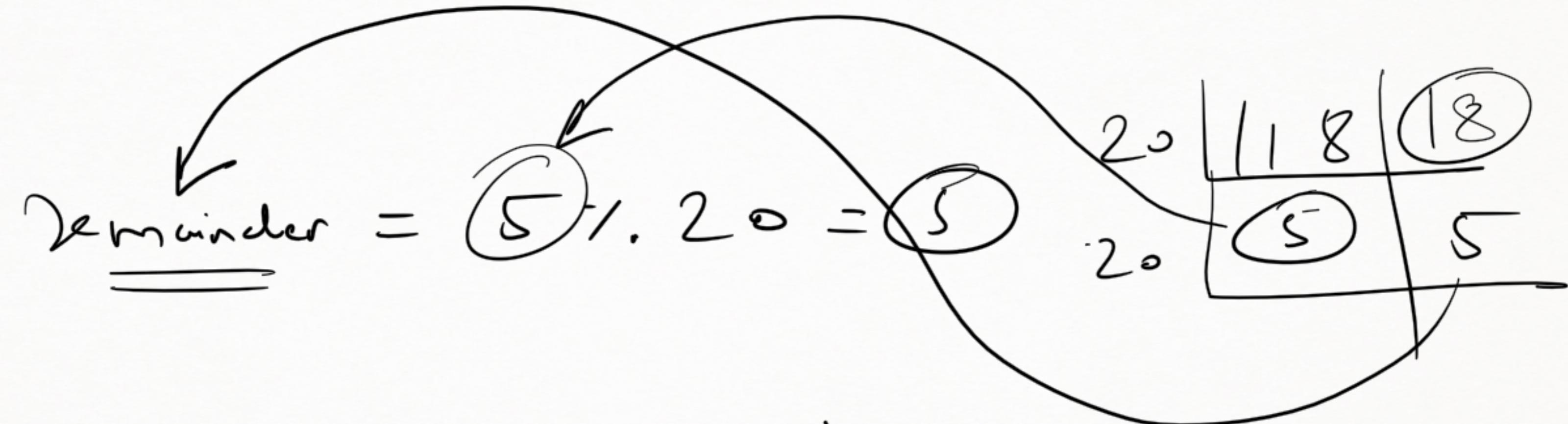
$118 > 0$

$\xrightarrow{\text{dividende}} \text{rest} = 118 \div 20 = 18$

$\text{balko-äquivalent} = "1" + "i" = "i"$

$\text{Number} = 118 // 20 = 5 > 0$





$$\text{base-20-equivalent} = "i" + \text{str}(5)$$

$$= "-i" + "5"$$

"i5"

"5i"

Number = 5 // 20

number = 0

20 | 13 | 11 B ↑  
20 | 6 | 6  
0

6B  
=

20 | 23 | 3 ↑  
20 | 1 | 1  
0

13  
=

87

20 | 16 | 7  
20 | 8 | 8  
0

$$\begin{array}{c}
 20 \left[ \begin{array}{|c|c|} \hline 29 & 9 \\ \hline 1 & 1 \\ \hline 0 & \\ \hline \end{array} \right] \xrightarrow{\quad} \underline{\underline{19}} \\
 \text{---} \\
 e[1:11]
 \end{array}$$

$$e[1:11]$$

$$l[1:11:2]$$

$$l = [56, 78, 90, 75, 34, 56, 81, 39, 76, 56, 31, 61]$$