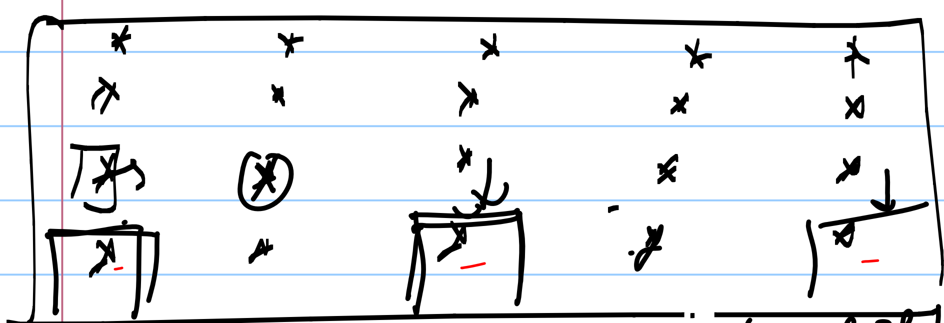
Note Title 30-07-2018

COL 100

July 30, 2018

Last Class?
Karel?



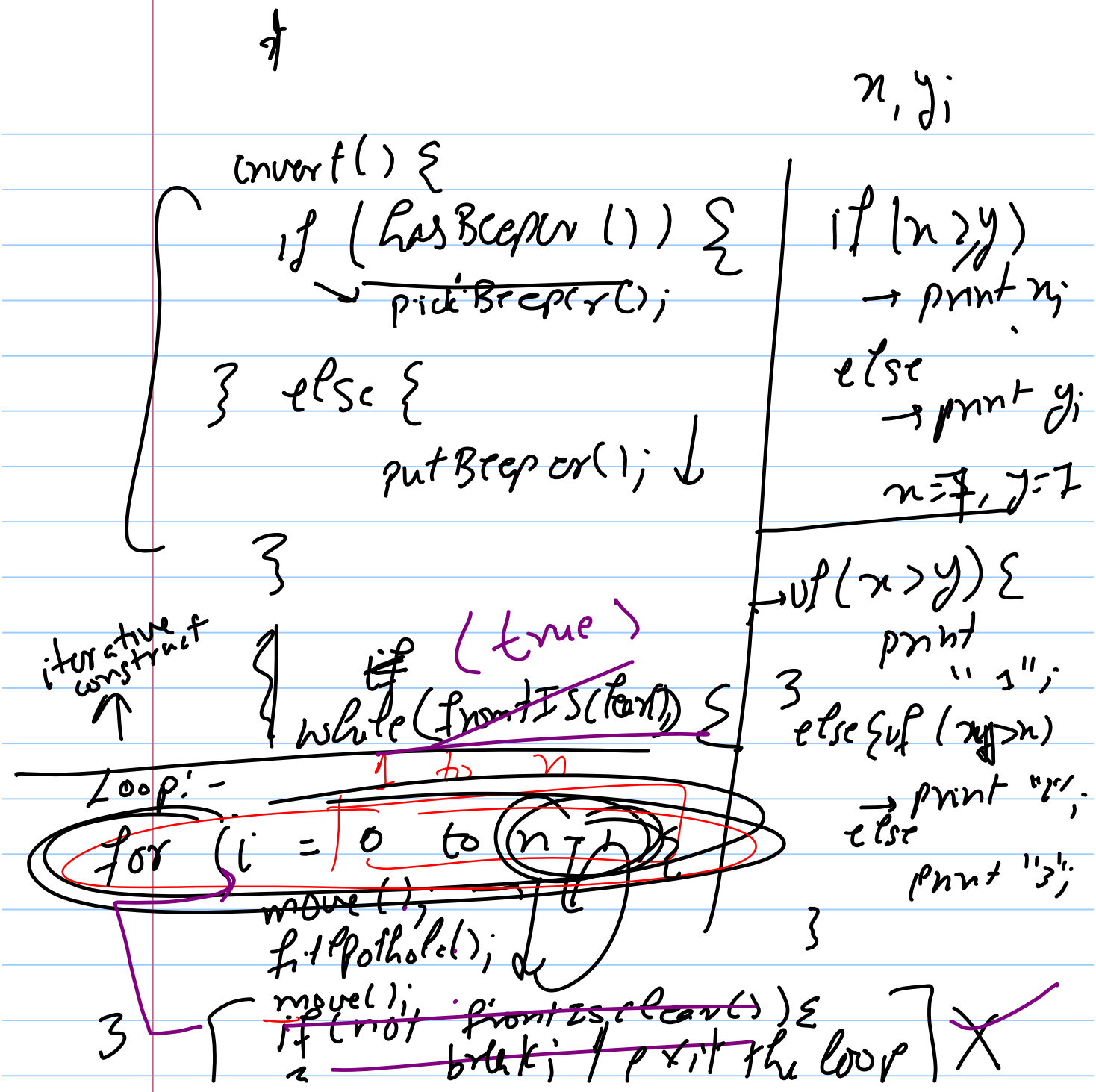
if(not hasBeeper())
{
putBeeper();
}

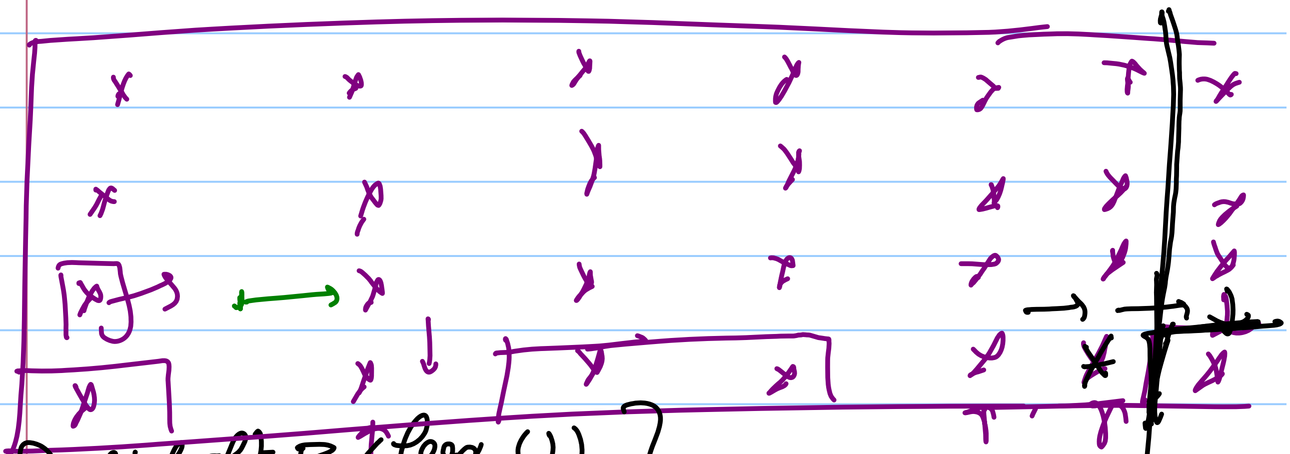
true/false

fillPothole();

```
turnRight
move();
if (<cond>) {
}
turnaround();
move
turnRight();
```

```
if (<cond>) {
    st1;
    st2;
    :
}
```


x, y;
if (x > y)
→ print x;
else
→ print y;
x=7, y=7
if (x > y) {
print "1";
} else if (x > y)
→ print "2";
else
print "3";
}
int main() {
if (hasBeeper()) {
pickBeeper();
} else {
putBeeper();
}
}
iterative construct
while (true) {
Loop:-
for (i = 0 to n-1) {
move();
fillPothole();
move();
if (frontIsClear()) {
break; // exit the loop
}
}



```
if(rightIsClear())
    fillPothole();
while(frontIsClear()){
    move();
    if(rightIsClear()){
        fillPothole();
    }
}
```

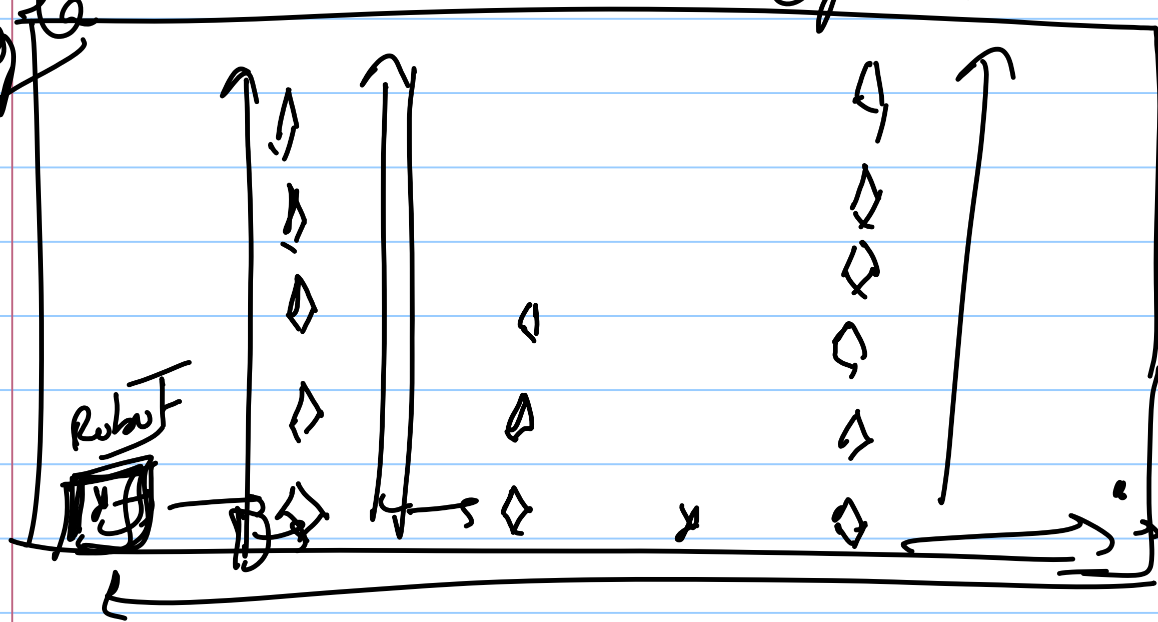
isRightClear()

fillPothole();

IsFrontClear();

to: tumblefeedback@gmail.com
cc: abhishekabhi.sharma143@gmail.com

Parag
~~Single~~




```
collectAllBeepers() {
    while(frontIsClear()) {
        move;
        clearTower();
    }
}

Helper fn:  clearTower(); {
}
```

1. Collects All Beepers
2. Comes down
3. Far right

for (int i = 0; i<5;
i++){
~~fr~~ — i }
for (i = 1 to 5)
{
}

C++ Programming

"Hello World"

← "Syntax" #

"Semantics"

Comment ← // This is my first program

int x = 5; ; → syntax

value

variable

type

str ~~name~~ = "~~Parag~~" "Sorav" ;

string

a, b, c, x, y, z

var var1

var2 var4

typed variables

Type:-

int	(integer)	5, 7, -3, -2
double	(real)	1.2, 1.3, -3.7 --
char	(characters)	'a', 'b', '5', 'c' ..
str	(string)	"Parag", "Soran", "Collin"

/* // This is my first program */

→ # include <iostream> → libraries

using namespace std; → "standard"

program enters → int main() {

int x = 5;

int y = x+x; → cout << "Hello World" << x << y;

} → return 0;