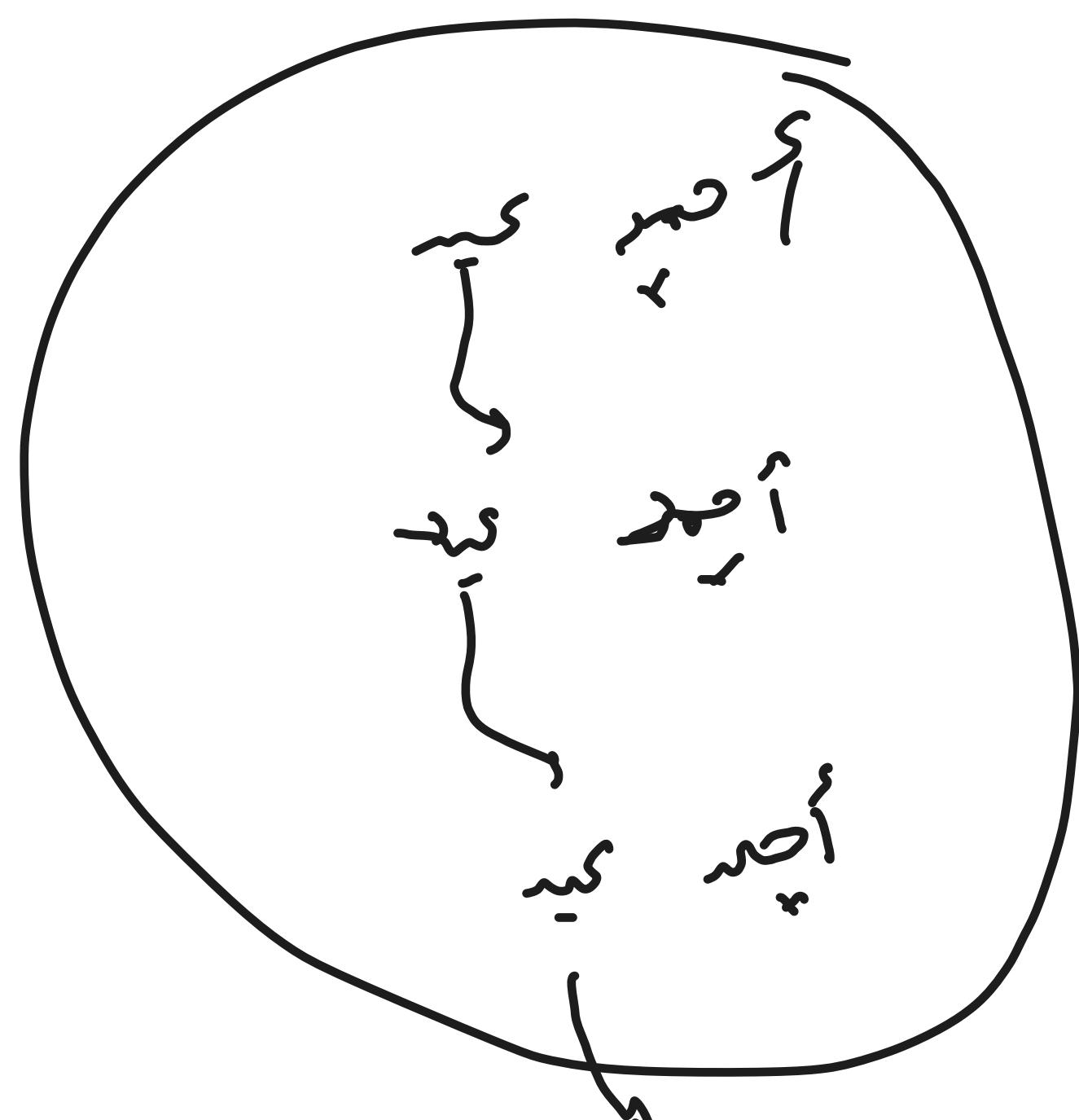


# Session 4

## اللّوّپ (Loops)



1 → 10.

Count > 1

Count > 2

Count > 3

↓

Count > 10.

while loop

↓  
true

while (condition)  
{

loop body  
} → break loop

do while loop

do {  
loop body  
} while (condition)

for loop

for (init; condition; inc)  
loop body  
}

break K

break الّوّب

continue

skip  
باقي الّوّب

Programming = Math

for  
loop

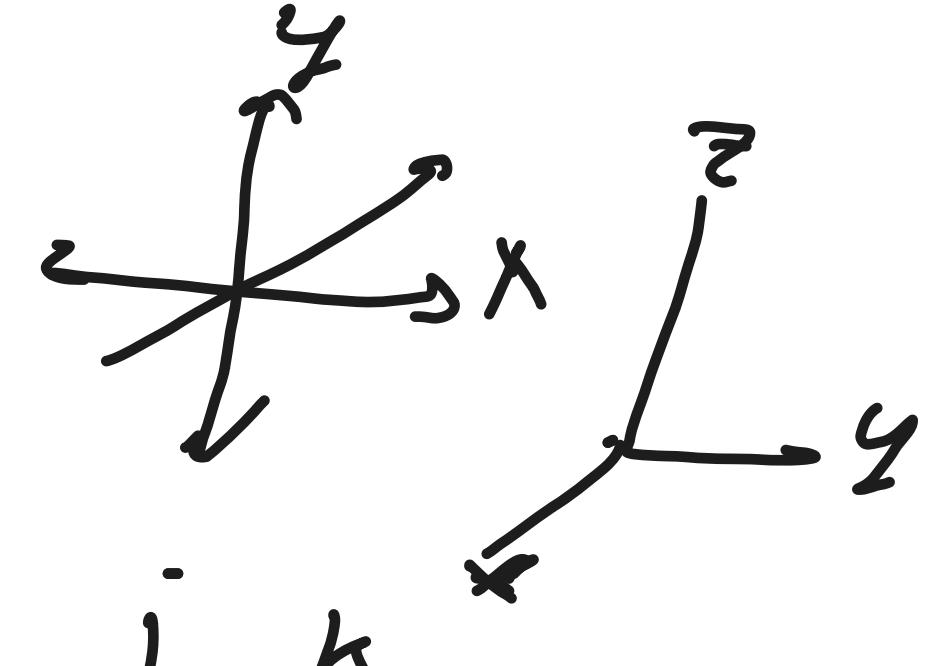
$\sum_{j=0}^{n-1} i^j$

even numbers

$S!$

$S \times n \times g \times 2 \times 1$

$\prod_{i=1}^{n-1} (i+2)$



النّمّو?

