Functional programming - 2
D) Principle of FP:
Data should be seponate
Deat Variables as immute
3) Toront f(x) on FCC.
DF.C.C.D Frost Clay Citizen  DFwhich can be Stored  'm a Variable
On &
Possed as well as setured from a FC
(FX), mar Linst 2) Store for into van v
2 Function as Argument
Jest de fraction

1) lambda 9 f= 2 am b Da x = 20\*\*2 Q = 3, b = f(a)Da=lambda x: x+10 Functions to achieve F.P. D read b D) Filter 3) Reduce PZip

Size=7

[1,4,9,16,25,36,49]

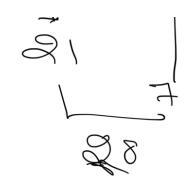
Det Jonc(x): map

return x\*\*2 J(x), iterable

D [p,2,3,4,5,6,7 Les Con, ri J(:1700), B(:450) +: 1 ten 3 2,4,6, Lans en 3 (congition) iter false 11, 2, 3, 4, 5, 6, 4 1) 2%2==0; else <u>reduxn</u> Trye

## 2) Reduce

Size= 1



J(x,y) = seducé(f, L)

\$ abcd

map seduce Fiton
imput
Output
Syntan
Cxaprophe