DSML Intermediate - 4

- 1. List Comprehension
- 2. Sets
- 3. Dictionaries
- 4. Adhoc Cluestions

Problem 1

Given a list, get the squares of the elements in another eist.

e=[5,1,2,3,7)

nu=[25,1,4,9,49]

Problem 2 odd - same

Even - Square

Oda W 1, 3, 5, ---

l= [5, 1, 2, 3, 7, 6]

[] [] [2, 4, 6, ---

ru= [5,1,4,3,7,36]

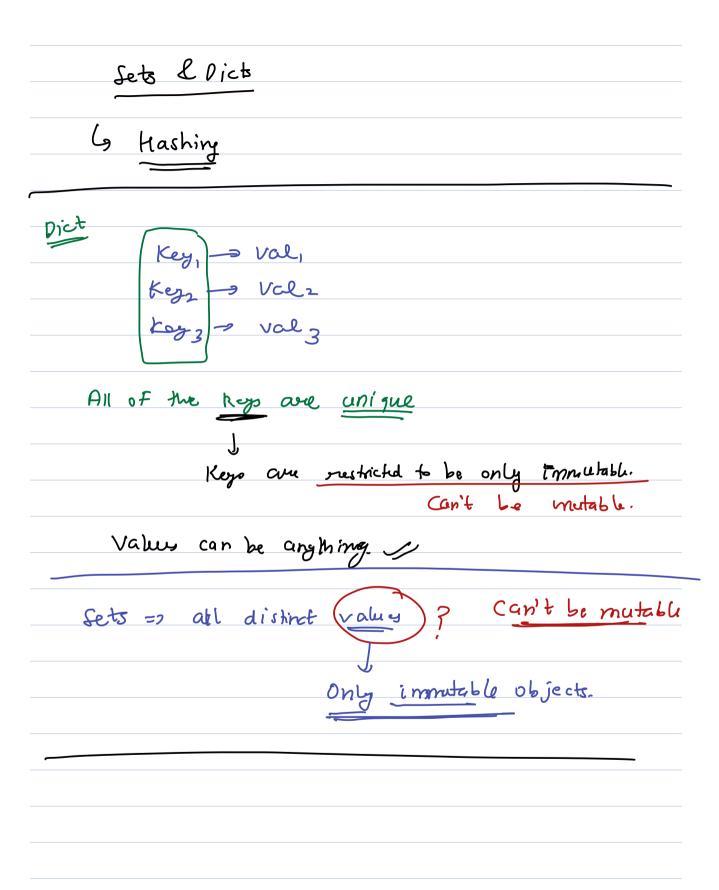
Odd 11.2 1 =0

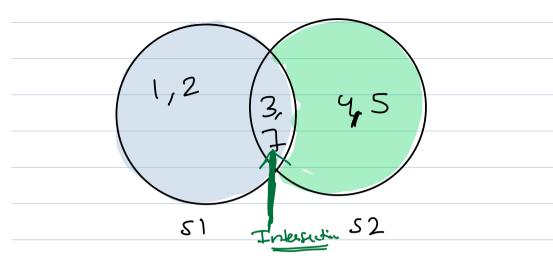
Even 17.2 ==0

Set= {1,5,5,7,23

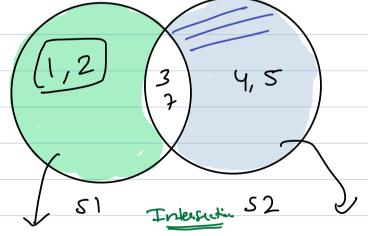
dict= [k=U, k2:V2, -_ 3

L= [] for i in range (3): e. append (i) for j in range (2): L. append (i*j) [i for i in range (3)] [ixj fra j in range(2) for i in range(3)]





Union	Intersection	Difference
ru= 51 52	reo= 31 & 52	
nes = s1. union(s2)	70 = SI. intersection(SZ)	
{1,2,3,4,5,7}	€3,73	

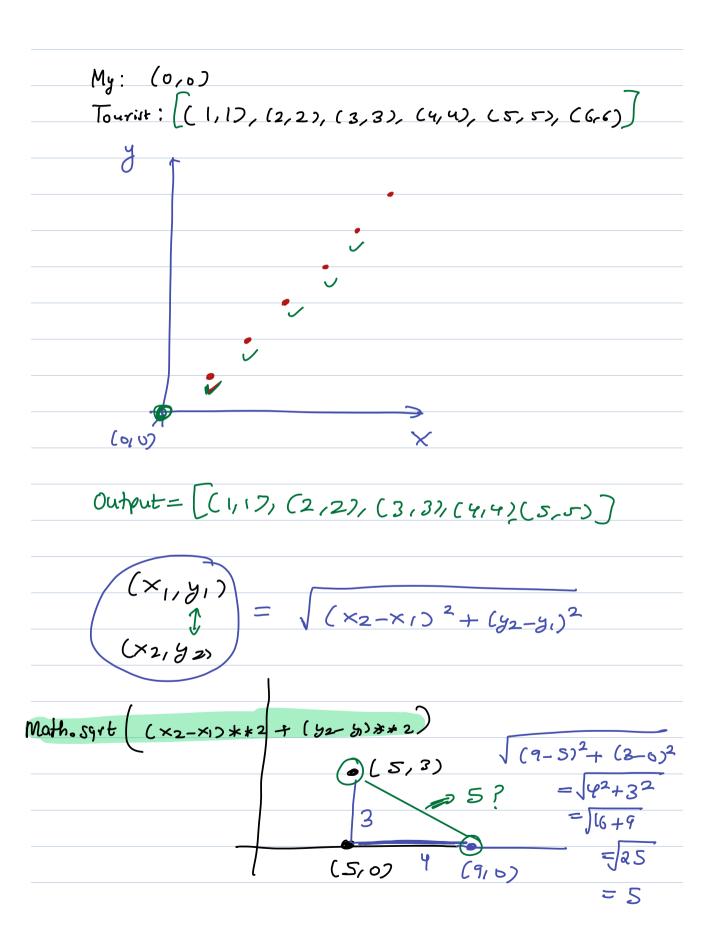


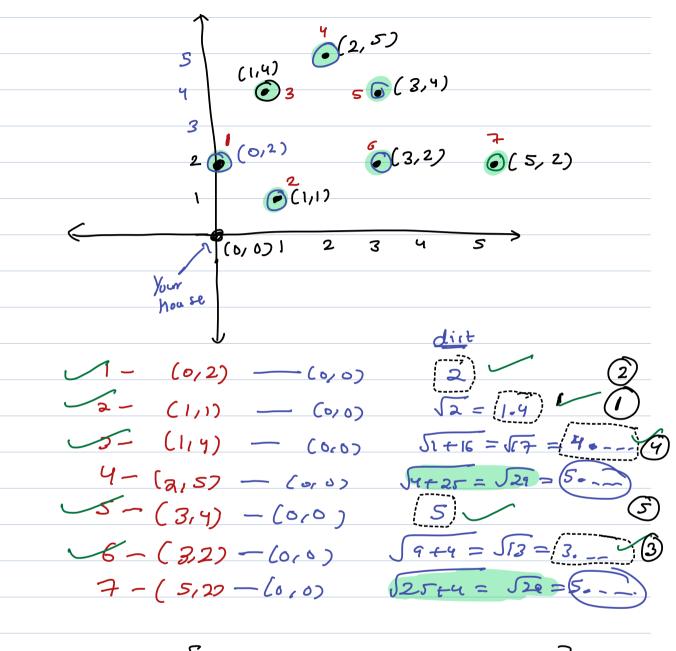
$$S1 - S2$$

 $S1. difference(S2)$
 $\{1, 2\}$

52-52 52. difference(s)) 24,53

Symmetric Difference
Symmetric Difference
res = SI. symmetric-difference (S2)
78 = 51 1 52
1 [1,2,4,5]
(Xor sign)





Step-1: Ilerate over all points, calculate &		
store there distance form		
your Place.		
Step-22 Sort the distances in ascending		
order.		
Step-3: Pick the top 5 corresponding		
points in the que-		