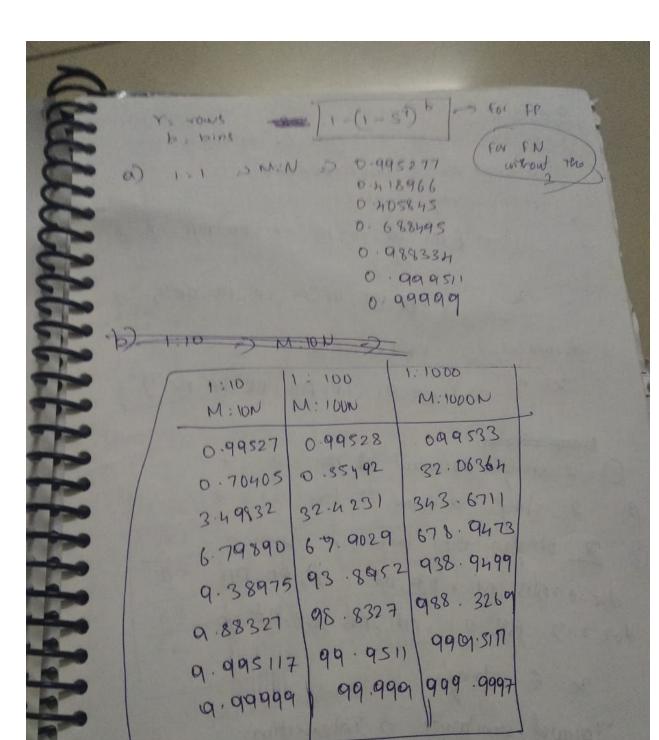
Designmed - 2 Question 1 4 Bond 1

Band 2 =  $(C_1, C_1)$ ,  $(C_2, C_5)$ Band 2 =  $(C_1, C_6)$ Band 3 =  $(C_1, C_3)$ ,  $(C_1, C_7)$ 

Quention 2 M = 501 -> False positive

N = 201 => l'alse negative

-	ь	FP(M)	encn
P	241	0.9952	0.0000005
1	12	0.3872	0.0316
12	3	0.0622	0.343
3	6	0.0095	0.6789
4	4	0.002	0.9389
4	3	7.67E-6	0.98832
12	2	8.1926-	0.9995
24	1	D	0. 99999
1			



Quention 3 Find the set of 2 shingles for documents given document 1 : ABRACADABRA set (A) a shingh of size 2 > 2 AB, pe, ria, AC, CP, PO, DA, AB, B/R, SO => { AB, BR, RA, PC, (P, AD, DA) ducument 2 : BRICABRAC Set B D & BR, RI, LP, AB, DR, RA, PC 3 2 shinglin document 1 mm > 7
2 shinglin document 2 han > 7
2 shinglin they have in common doc-19 \$13,3/2, R/A,A/C, C/A, AD, DA do2-2-9 BR, RI, C/A, A/B, BR, R/A, A/C 77777 30 5 stingen Januard similarity of Intersection Union

Qualita h:

Compute the Jaccard similarity between each pair of columns

_	TCI	102	03	cn
(De	1			_
1 121	10	1	1	0
R2	1	0	1	1.
R3	0	1	0	1
Ry	0	0	1	0
125	1	0	1	0
26	0	1	0	10

5(0,0) = 0/5 = 0
5 (C., (3): 2/4 : 0.5
J (Ca, (n) = 1/3 0 33
J ( c2, (3) = 1/1 : 0.167
J((200) = 1/4 = 0-25
J (3,00): 1/5 = 0.2

			1		
Quertion 5	= 01	Cz	(3	CH	
	0	0	1	0	
RH	0	1	0	0	
R6	0	1	1	0	
RI			10	11	T
R3	0	-	+,	10	1
25	1	10	-	-	+
R2		10	11	11	
IL L		1	-		
THE RESERVE TO SERVE THE PARTY OF THE PARTY					

Mintanh value OF (1 = RE Minhanh value of (2 = R6
Minhanh value of (4 = R3

Minhanh value of (4 = R3