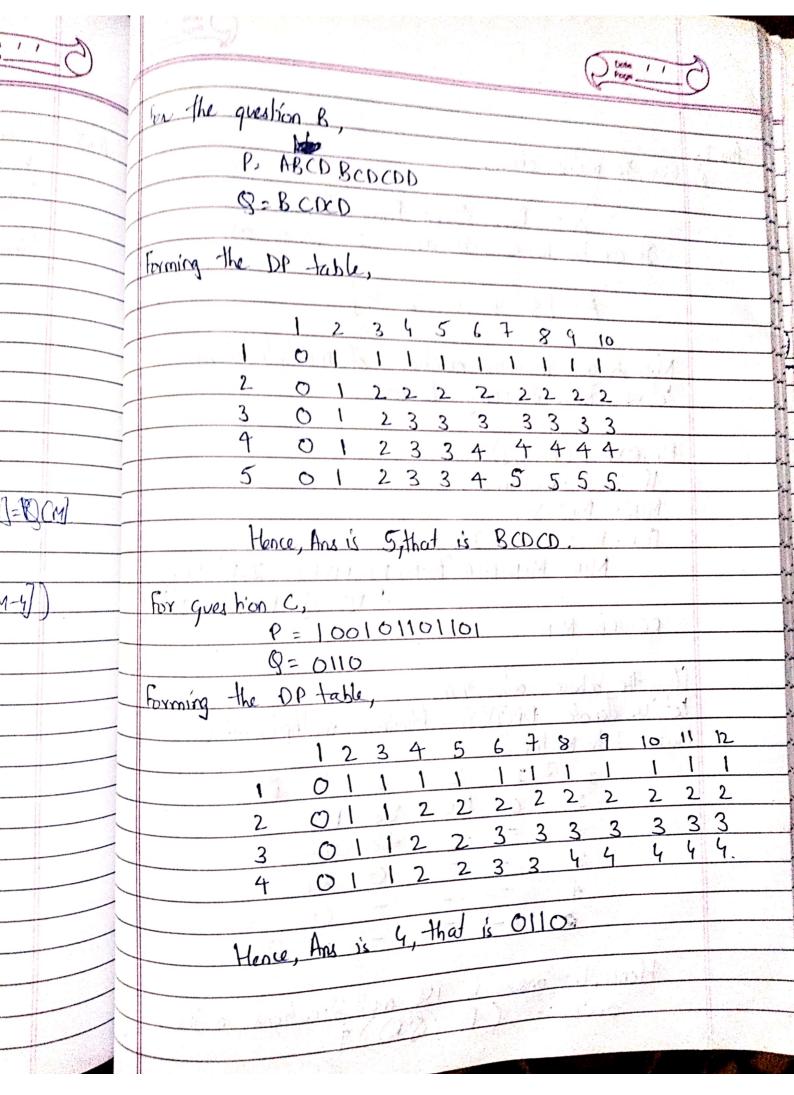
MAME: KRUNAL RANK	
Apm. No: U18(.0081	
BTECH 3 YEAR	



	Regis C	
Ans 2.		Y
as a	Given, the matrix chain,	
junt .	It can be represented as a 10 array as:	1
in d		1
	A=[54627]	1
just just	Now to get minimum number of multiplications, let us boke it wing hecursion.	1
/ I /w	let us bobe it wing hecursion.	1
	MATRIXMUL (A, 1, J):-	
ial-	If I=J Return O.  MIN = MAX_VAL	
a contract of the contract of	FOR K=I to K=J-1.	
data.	MIN = MINIMUM (MIN, MAJRIXMUL (I,K) + MAJRIXMUL	ya,j
g-mh	RETURN MIN.	
ini U	lying the above algorithm	1
Le M	sing the above algorithm, et us denote DPCISCII = Minimum multiplications for almin I to Matrix J.	1
	I J 1 2 3 4 1	1
<u> </u>	1 0 120 88 158	1
to.	2 = 0 48 104 3 0 84.	1
1	4 0	1
1	<b>5 0</b>	1
<b>X</b>	Hence, the answer is 158 multiplications in the	1
	order: - (P(QR)) T.	1
		1

