	SUBSEAUENCE 84
Question:	\$78208 S1, S2;
	347 - 58 [ 1005 ] [ 1005 ] 3
given two strin	ex text 1 and text 2.
teturn the le	ngthe of their largest
Common subseque	~(e.
•	10 common subsequence
treturn O.	() - 3/ ((1/) 1967) 37
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Attribute of the state of the s	led from the original come charactery (can be
many 1 delated	113 Changing Alle
the deleter	of the tremaining
District Brass	
Characters.	
C	is a subsequence of
"abcde"	

A common subsequence of two strings is  a subsequence that is common to  both strings.  2 hut: text1 = "abcde", text2 = "ace"  Output: 3  Explanation: The largest common subsequence is "ace" and ity length is 3.  Constrainty: 1 < text1 lefth, text2 lefth < 1000  STRING \$1, \$2;  2NT DE [1005][1005];  THE (i < 0    j < 0) RESURN O;  TE (DE [i][j] != -1) RETURN DE [i][j];  -> Remove   Char from 31  TNP ANS = 1cs (i-1, j);  -> Remove   Char from 32  ANS = MAX (Ans, 1cs (i-1, j-1) to (\$1[i])  RESURN DE [i][j] = ANS;		Page No . Date
2	A	common subsequence of the strings is
2. fut: text1 = "abcde", text2 = "ace"  Output: 3  Exploration: The largest common subsequence is "ace" and ity length is 3.  Constrainty: 1 < text1 lepthy text2 lepth < 1000  STR3NG S1, S2;  2N7 DP[1005][1005];  2N7 LCS (:3N7 in 3N7 i)  STE (i < 0    j < 0) RESURN O;  TE (DP[i][j] != -1) RETURN DP[i][j];  -> Remove   chap from 31  3N7 ANS = 1CS (i-1, j);  -> Remove   chap from 32  ANS = MAX = (ANS, 1CS (i-1, j-1), +:(S1[i]);  RETURN DP[i][j] = ANS;		a subsequence that is common to
2	100	th string.
Emploration: The largest common subsequence is "ace" and its length is 3.  Constraints: 1 < bexts length, text2 length < 1000  STREENER SI, S2;  3N7 DP[1005][1005];  TNP LCS (:3N2 i, 3N2))  TF (DP[i][j]!=-1) RETURN DP[i][j];  -> Remove 1 Char gram 31  TNP ANS = LCS (i-1; j);  -> Remove 1 Char gram 32  ANS = MAX (ANS, LCS (i-1; j-1) to (SI[i]);  RETURN DP[i][j] = ANS;		at south
Emploration: The largest common subsequence is "ace" and its length is 3.  Constraints: 1 < bexts length, text2 length < 1000  STREENER SI, S2;  3N7 DP[1005][1005];  TNP LCS (:3N2 i, 3N2))  TF (DP[i][j]!=-1) RETURN DP[i][j];  -> Remove 1 Char gram 31  TNP ANS = LCS (i-1; j);  -> Remove 1 Char gram 32  ANS = MAX (ANS, LCS (i-1; j-1) to (SI[i]);  RETURN DP[i][j] = ANS;	21	nut. tout! = "abcde", text 2 = "ace"
Emploration: The largest common subsequence is "ace" and its length is 3.  (anstraints: 1 < bexts length texts length < 1000  STREENE S1, S2;  3N7 DR[1005][1005];  3N8 1cs (:3N8 i, 3N8 i)  TE (Dr[i][j]!=-1) RERURN DR[i][j];  -> Remove 1 Chan from 31  3N8 ANS = 1cs (i-1; j);  -> Remove 1 Chan from \$2  ANS = MAX (ANS, 1cs (i-1; j-1) to (51[i-1]);  RERURN DR[i][j] = ANS;	6.4	11. 3
(anstrainty: 1 = lext1 length, text2 length < 1000  \$783NG \$1, \$2;  3N7 D8[1005][1005];  3N7 (CS (:3N7 i, 3N7))  1	C	The largest comman zulezequence
(anstrainty: 1 = lext1 length, text2 length < 1000  \$783NG \$1, \$2;  3N7 D8[1005][1005];  3N7 (CS (:3N7 i, 3N7))  1	E)of	planation: free with length is 3.
(anstrainty: 1 = lext1 length, text2 length < 1000  \$783NG \$1, \$2;  3N7 D8[1005][1005];  3N7 (CS (:3N7 i, 3N7))  1	U	3 ace and
5783NG S1, S2;  3N7 D8[1005][1005];  3N7 LCS (3N7 i, 3N7 j)  3N7 (i < 0    j < 0) RESURN O;  3F (D8[i][j] != -1) RETURN D8[i][j];  -> Remove   Char Gram S1  3N7 ANS = 1CS (i-1, j);  -> Remove   Char Gram S2  ANS = MAX (ANS, LC3 (i-1, j-1) + (S1[i-1]);  S2[j]);  RETURN D8[i][j] = ANS;	Came	strainty: 1 < text 1 length, text 2 length < 1000
\$783N9 \$1, \$2;  3N7 D8[1005][1005];  7N8 (CS (3N8 i, 3N8 j))  7E (i < 0    j < 0) RESURN O;  7E (D8[i][j] != -1) RESURN D8[i][j];  -> Remove   Chan from \$1  3N8 ANS = 1CS (i-1, j);  -> Remove   Chan from \$2  ANS = MAX (ANS, LCS (i-1, j-1), to (\$1[i]);  RESURN D8[i][j] = ANS;	.19	The Burney Sour Longon granted 1 CODE
347 DP[1005][1005];  347 CCS (:342 i, 342))  348 (i < 0    j < 0) REZURN O;  3F (DP[i][j] != -1) REZURN DP[i][j];  -> Remove   Chap gram 31  348 Ans = 1CS (i-1, j);  -> Remove   Chap gram 32  Ans = Max (Ans, LCS (i-1, j-1) + (SI[i-1]);  REZURN DP[i][j] = Ans;		
347 DP[1005][1005];  347 CCS (:322 i, 322))  348 (i < 0    j < 0) REZURN O;  3F (DP[i][j] != -1) REZURN DP[i][j];  -> Remove   Chan from 31  322 Ans = 1CS (i-1, j);  -> Remove   Chan from 32  Ans = Max (Ans, LCS (i-1, j-1) + (SI[i-1]);  SEZURN DP[i][j] = Ans;	5783	ing S1. S2:
3N? (CS (:3N? i, 3N?))  (3)  (1)  (1)  (2)  (1)  (2)  (2)  (3)  (3)  (4)  (4)  (5)  (5)  (5)  (6)  (6)  (7)  (8)  (8)  (8)  (1)  (9)  (1)  (1)  (1)  (1)  (1)  (1	30/3	Del 1005 ][ 1005];
3N7 (CS (:3N2 i, 3N2))  (3F (i < 0    j < 0) REZURN O;  (3F (DP[i][j] != -1) REZURN DP[i][j];  -> Remove   Chat Gram 31  3N2 ANS = ICS (i-1; j);  -> Remove   Chat Gram 32  ANS = MAX (ANS, LCS (i-1; j-1) + (51[i  REZURN DP[i][j] = ANS;	0	tot has that coninte out print
{	3-13	alce 1:303 is 3031)
TF (Dr[i][j] != -1) RETURN Dr[i][j];  -> Remove   Char gram \$1  -> Remove   Char gram \$2  -> Remove   Char gram \$2  -> Aus = MAX (Ans, Los (i-1, j-1), + (s1[i-1]);  RETURN Dr[i][j] = Ans;	40	- Company or the company
TF (Dr[i][j] != -1) RETURN. Dr[i][j];  -> Remove   Char gram \$1  -> Remove   Char gram \$2  -> Remove   Char gram \$2  -> Remove   Char gram \$2  -> Aus = MAX (Aus, Los (i-1, j-1), to (s1[i-1]);  RETURN Dr[i][j] = Aus;	21.00	38 (1: <0 11 1 < 0) REZURN O; 1
-> Remove   Char gram 31  -> Remove   Char gram 32  -> Resource   Char gram 31  -> Resource   Char gram 32  Resource		JE [De[i][i] 1= -1) RETURN De[i][i];
3N? ANS=1CS (i-1; j);  -> Remove   Chat Gram 52  ANS = MAX (ANS, LCS (i-1; j-1), + (SI[i  S2[j]));  REPURN DP[i][j] = ANS;		
-> Remove   Chat infrance 52  Aug = MAX (Ans, LC3 (i=1, i=1), t= (51[i=1, i=1));  S2[j]);  REZURN DP[i][j] = ANS;	1	3N2 : Ans = 1105 (i-1; i):
Aug = $MAX (Ang, LCg(i-li, j-l), + (Sl[i-li]);$ REPURN DP[i][j] = $Ang$ ;		
REZURN DP[i][j] = ANJ;		• (1)
REZURN DP[i][j] = ANS;		
- Callakory)	2	
	)	- Acaballand
	INS	MAZN. (C) SALL O SALL SALL SALL SALL SALL SALL SA

MEMSER (DP, -1, SIZEOF (DP));

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16	
	51 = "abcde";
	52 = "ace";
- Commission of the Commission	INP ANS = LCS (51.53ZE()-1, 52.53ZE()-1);
-	cons << tus << (1/2);
	(00 / C) (M)
	REPURN 0;
112	
J.	
19 m	
	1
	ANS = MAX (ANS, LCS (i, j-1));
To be	-> Remove 1 that Iron 32 and 52
Abelity .	