Leplacenut algorithm of	PLQ2 - expectation determin	nant algeba	
	1) Q2 - expectation deferming or do you prefer this so systems of a	re then as	
(U, U2, U2) = linearly independent &	anily	for Glorwing	
(VIV2 V3 Va, Vc) - another family	might not be linearly deporter	t motifix column	
	, , ,	Moser independence	
idea: replace some of is where	"us and still soon 5		
Total 10 / 10 - Dolling of 10 - 10 - 10 - 10	3,111,3,42.		
Step 1: How is each U; deproved	term of 1/2		
	III ICI MS CT VS		
toxbak pg 50 \js			
1, = V ₄ +V ₅			
$M_{3} = V_{3} + V_{4} - V_{5}$			
uz < V1+V2+ V3			
Stepa: going to some equations	to write a Certain I of V	s as	
terms of U.			
- Start W/16Wost Index u; no	write to solve for lovet indo	x V 3	
U,= V4+Vs			
U2- V3+V4-V6 -> U2=V5	3 + 4,= V5 - V5		
= v	3+41-2V5		
12=V3+1,-2V5			
V3 = 42-41+2Vs			
U3 = V1+V2+V3			
N3=V,+V2+U2-U1+2V5			
V1 = 43-V2-V2+4,+245			
V 3 2 V 2 4 V 1 C 3			
46) dimission = nxn			
The state of the s			
A 13 Mxn, B 13 nxm. Show	1 - RA is sanching if I -	10 > 12 markler	
Mails at approperiz berief, inhinte polynomial		AB IS INVERTIBLE	
$\frac{1}{1-x} = (1-x)^{2} = 1+x+x^{2}+x^{3}+x^{4}$	$\frac{\omega}{1} = \frac{\omega}{2} x^{n}$		
1-X	N=0		
1 = (1-x)·(1-x)-1	V		
1 = (1-x)·(1-x)-1 Total th			
(1-8) CI-BA)-1	24		
C_1_(8A)	1278		
ASS	uming (Figure Above		
(1, B4) = I + BA + (BA) +	(BA) + · · · ·		
12 5 2 2	3		
(Im-AB) = I+ AB+(AB)+ (AB	574		
(A	_ອ ີ		
A (I-84) B = AB + (AB) + AL	BA) B+···		
	0.000		
We have termally shown that ACI and idate for investe of Im-AB	1-BA) = (Im-AB)-I		
- Candidate for invese of IM-AB			
(In-AB) = T + A(In-Ba) B W	e used the series hogel a non-series l	bone	
m set in the set in th	· ·		
(I-AB)(I-AB) =I			
· Substitute found depression	Motrix · invose =	= I dentitu	
20 - 10ng o and among	111411111111111111111111111111111111111	- 0	

(I-AB)[I_+A[1-RA)"B]
$= I_m + A(I-BA)^{-1}B - AB - AB A(I-BA)^{-1}B$ $= I_m + A[(I-BA)^{-1}B - BA (I-BA)^{-1}B]$ $= I_m + A[(I-BA)^{-1}I_n - BA (I-BA)^{-1}B]$ $= I_m + A[(I-BA)^{-1}I_n - BA (I-BA)^{-1}B]$
$= I_m + A \left[\left(I - BA \right) \left[I_n - BA \right] - I_n \right] B$ $= I_m + A \left[I_n - I_n \right] B_1 = \left(I - AB \right)$
=+A[0]8
=In : Shown Im+A (I-8A) B is correct invoke