P: The Users enter a valid pass word 9 : Access is granted r: The user has paid the subscription fee a. PA-9 6. PAQ -> 1 C. - Q -> - Q J. - PV -> 9 a. one-to-one but not onto f(x)=X2 6. onto but not one-to-one fas= = C. onto and one-to-one (differ from I dentity funct) f(x)= { x-1, xodd att, Xeven q. f(x) = x

FRIENDS

6 24 700

3	Prove 3n <n! n="">6</n!>
	Test for n=7
	3(7) 47!
	20 6 5040 V
	Assome n=le 1276
	3k < k!
	34 (k(+1) and lak>6
	3k < K(6-1)
	3 K < 5 K
	By mothermatical Induction 3 ncn! with n76 is true,
4	n= 7 women ginen
4	
4	a. A= (2,5). (29,5) = (0,5)((73). (0,2) + (1712) (
4	a. A= (7.5). (3.5) - (3.5) (-3.5) ((7.3). (6), 2) + (7.13) ((6), 2) ((6), 2) + (7.13) ((6), 2) ((6), 2) + (7.13) ((6), 2) ((6), 2) + (7.13
4	a. A= (171) = (191) - (191) ((13) ((
4	a. A= (7.5) . (7.5) . (2.5) - (2.5) (7.3) . (6.0) + (7.0)
4	a. A= ((7,5), (25,8)) = ((29,5)((73), ((0,0) + ((20))) ((+ (171), ((31), -((910), ((
4	a. A= (7.5) . (7.5) . (2.5) - (2.5) (7.3) . (6.0) + (7.0)
4	a. A= ((7,5), (25,8)) = ((29,5)((73), ((0,0) + ((20))) ((+ (171), ((31), -((910), ((
4	a. A= ((7,5)) - ((3,5)) - ((3,5)) ((7,3) - ((3,5)) + ((3,5)) ((3,5)) + ((3,5)) ((3,5)) + ((3,5)) ((3,5)) + ((3,5)) ((3,5)) + ((3,5)) ((3,5)) + ((3,5)) ((3,5)) + ((3,5)) ((3,5)) + ((3,5)) ((3,5)) + ((3,5)) ((3,5)) + ((3,5)) ((3,5)) + ((3,5)) ((3,5)) + ((3,5)) ((3,5)) + ((3,5)) ((3,5)) + ((3,5)) ((3,5)) + ((3,5)) ((3,5)) ((3,5)) + ((3,5)) ((3,5)) ((3,5)) + ((3,5)) ((3,5)) ((3,5)) + ((3,5)) ((3,5)) ((3,5)) ((3,5)) + ((3,5)) ((3,5)) ((3,5)) ((3,5)) + ((3,5)) ((3

5 A= 25 = 32

D= 1

.. The probability of a heads appear after the first the

came up tail is 32/1

a.
$$\begin{bmatrix} 1 & 3 & 8 \end{bmatrix}$$
 $\begin{bmatrix} -2 & -6 & -16 \end{bmatrix}$
 $A = \begin{bmatrix} 2 & 4 & 11 \\ 1 & 2 & 5 \end{bmatrix}$ $\begin{bmatrix} -2 & -4 & -10 \end{bmatrix}$

b.
$$\begin{bmatrix} 7 & -5 & 1 \end{bmatrix} \begin{bmatrix} -2 & 6 & -16 \end{bmatrix} \begin{bmatrix} 9 & 1 & 15 \end{bmatrix}$$

 $B - 2A = \begin{bmatrix} 1 & -4 & 3 \end{bmatrix} = \begin{bmatrix} -4 & -8 & -22 \end{bmatrix} = \begin{bmatrix} 3 & 4 & 29 \end{bmatrix}$
 $\begin{bmatrix} 2 & 0 & 1 \end{bmatrix} \begin{bmatrix} -2 & -4 & -10 \end{bmatrix} \begin{bmatrix} 4 & 4 & 11 \end{bmatrix}$

C.
$$\begin{bmatrix} 1 & 2 & 1 \end{bmatrix} \begin{bmatrix} 1 & 3 & 0 \end{bmatrix}$$

$$C. A = \begin{bmatrix} 2 & 1 & 2 \end{bmatrix} \begin{bmatrix} 1 & 2 & 0 \end{bmatrix} \begin{bmatrix} 1 & 2 & 0 \end{bmatrix}$$

13 35 = 2 2 5 12 28 75 1

FRIENDS

		K	HELL	us)-			
	0 1	0		4			201	
RI=RI	1	3	8	+	0	07		
Rz= Rz-2R,	0	-2	-5	-2	1- 11	0		
R3 = R3 - R1	0	-1	-3 .	-1 1	0	12		
	-		0		^	7	4	
N1 = N1	1	3	8	-	0	0		
n: R2/-2	0		5/2			0		
R3: R3+R2/-2	Lo	0	-1/2	0	1/2	11	•	
	ear .		garag.	4		7		
RI=RI	9	3	8	1	0	0	17	
Rz = R2	0	À	5/2)	-1/2	0		
23:223	0	0	1	0	1	-2]		
				20	1.0	Sal	9	270
R1=21-8R3		3	0	1	8.	16	4	
12: R2-R3; 5	0	P	0	1	-3	5		
R3: R3	0	0	1	10	1	-2	-	83
				7	7-1	11	-	1
R1= R1-322	1	0	- 0	-2	1	1	1	ANT
R2: 22	0	1	0	1	-3	5	-	YOU
R3: R3	0	0	1	0	1	-2	Jel	30

1		1 5	
2		5	
5		1	
1		-2]	11
	1	1	1 -2

$$(20-22) + (-2(15-16)) + (33-32)$$

4 005401 171119 F HIM WINDERSHIP FILLING 3

9

R1 = R1+3R3	1	-3	7	14		200	107
n2= n2+5n3	0	-2	15	32	13		
R3 = 4R3 + R1	6	-3	9	21			
Ri=Ri	1	-3	7	14	100-		344
Rr=R2	0	-2	IS	32	1-		
R3 = R3 - R2' = 2	0	6	-13.5	-27		78	
ri=ni	1	-3	7	14	1	3-	F 1
12=121-2	0	1 -	-7,5	-16	13	5	
R3=R3/-13.5	0	0	1	2		4	
121=121-7123		-3	0	0			. 77
122=122+123:015/2	0	- T	0	-1			
123 = 123	0	0			11	29 01	3-3
R1= R1+3R2]	1-2	0	0	-3	1	- 5-	10
R2=R2	0	41205	0	-1	1		
R3 = R3	0	0	1	2	10		
- A							
 -3		1-3		1	2-2	2	A.
X = -			1			-	-
121/1			1				7
//		1					

TM

10	$ \begin{bmatrix} $
	$\det A = (24 + 90 + 10) - (12 + 40 + 45)$ $= 124 - 97$ $= 27$
	-3 -2 S detx: (-42-150+6)-(-20-70-27) -3 -2 S 2-190+117
	$\begin{bmatrix} 4 & -7 & 1 \\ 5 & -3 & 5 \end{bmatrix} = 296 - 323)$ $\begin{bmatrix} -6 & 10 & -3 \end{bmatrix} = -27$
	3: [4 -3 -7] det = (-80-54-70)-(-84-24-150) 5 -2 -3 = -204 + 258 [-6 2 10] : 54
	X= はA = ラジョー3 (X) [-3] y= 学はA = ラジョー1 (ス) [-3] Z=学はA = ラジョー2 (ス) [-3]

TM & O DC Comics.