		-					
						-	(r) -/_/_
132					[-	$\rightarrow f($	r)
	.01	Y	Requency	1 pdf	cdf-		
1		0	4	0.25	0.25		¥
		ı	y	0.25	0.5	> fo	r input
3		2	ч	0.25	0.75		r input umage
		3	Ч	0.25	1 /		1.(0)
							→ G(S)
		S	frequency	pdf	. 40		
4		0	4	0.4375	0.4		, for target
		1	3	0.1875	0.62	5	for target image
3		2	2	0.125	0.7	5	V
		3	4	0.25	1		
			3 19				b · 1 /-
		for h	stogram v	nalching	me me	up inf	ovresponding
1		output	pixels	where dy	Herence	mo	ovresponding
		COFU	alue is	bust i.e.	[F(r)	-G(S)	I is min.
1				-	5	TI	0) - 6(0) = 0.1875
		g m	apping:	$\begin{array}{c} 0 \longrightarrow \\ 1 \longrightarrow \end{array}$	2.121	1 5/1)	-G(0) = 0.0625
				2 ->>			-f(2) = 0
13				3 ->			-f(3) = 0
1					G	110	7 (3)
3		output	riatrix a	fter match	in A -		
1 3		guipu	1 months a	gur much	1/10]-		
1			13	3 (0 0		
					0 2	-	
12				2 0	00		
				3 0	02		
	•					G.	
3							
		/					
00	V NIV D TEX						

	//_	
(2)	$image = \begin{bmatrix} -1 & 2 & -1 \end{bmatrix}$	9
	3 0	
	-2 2 3x3	
	filter = [-1]	
	filler = -1	
	$\begin{bmatrix} 1 \\ 3 \times 1 \end{bmatrix}$	
	size of output matrix= (3+3-1) x (3+1-1)	
	= 5x3	
	probled image = $\begin{bmatrix} 0 & 0 & 0 \\ -1 & 2 & -1 \end{bmatrix}$	
,	3 0 1	
	-2 2	
	000	
	notated filter = [1]	
	0	
	autent matrix at so	to I
examples of		3
examples of convolution	3 0 1 2 0 1	_
	3 0 1 3 0 1 1 2 -2 1 2	0
	0 0 0 0 0	
	L , L	S.A.
		-1

$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
Final output after complete convolution = $ \begin{bmatrix} 1 & -2 & 1 \\ -3 & 0 & -1 \\ 1 & 1 & -3 \\ 3 & 0 & 1 \\ -2 & 1 & 2 \end{bmatrix} $