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$$x_{CNJ} = \{-1,0,1,2\}$$

$$y_{CNJ} = \{-2,2,2,-2\}$$

$$x [n] * Y [n] = C[n]$$

$$C[n] = \frac{1}{2} (C[n] = \frac{1}{2} = d[n]$$

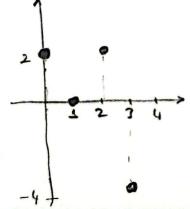
$$\frac{1}{2} (C[n] = \frac{1}{2} = d[n]$$

$$-1 \times -2 = 2$$
 $0 \times 2 = 0$
 $1 \times 2 = 2$
 $2 \times -2 = -4$

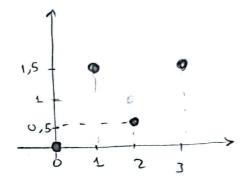
2_ ` 7_	\ cb.		INJ = {2,0,2,-1	4)
-1	4)	7	((m=1+1)	
	e	D	delay	
-				

	p	×	4	e	D
7	0	-1	-2	2	0
~	1	0	2	0	1,5
٠	2	1	2	2	0.5
•	3	2	-2	-4	1,5
		1			1

of draw the convolved signal $c(n) = \{2,0,2,-4\}$



b) if CINJ is applied to a first order moving overage filter(FIRI, find and draw its outputs signal dINJ.



書 the filter will straighten the signal.