EX. NOV. 2019

P.20

$x[n] = \{\underline{1}, -1, 3, 5\}$

$y[n] = \{4, 2, 0, -2, -4\}$

Calcular la convolución circular con $N = 7$.

	1	-1	3	5	0	0	0	
$n=0$	4	0	0	-4	-2	0	2	$\rightarrow 4-20=-16$
$n=1$	2	4	0	0	-4	-2	0	$\rightarrow 2-4=-2$
$n=2$	0	2	4	0	0	-4	-2	$\rightarrow -2+12=10$
$n=3$	-2	0	2	4	0	0	-4	$\rightarrow -2+6+20=24$
$n=4$	-4	-2	0	2	4	0	0	$\rightarrow -4+2+10=8$
$n=5$	0	-4	-2	0	2	4	0	$\rightarrow 4-6=-2$
$n=6$	0	0	-4	-2	0	2	4	$\rightarrow -12-10=-22$

$$x[n] \textcircled{*} y[n] = \{\underline{-16}, 2, 10, 24, 8, -2, -22\}$$

$N = 7$