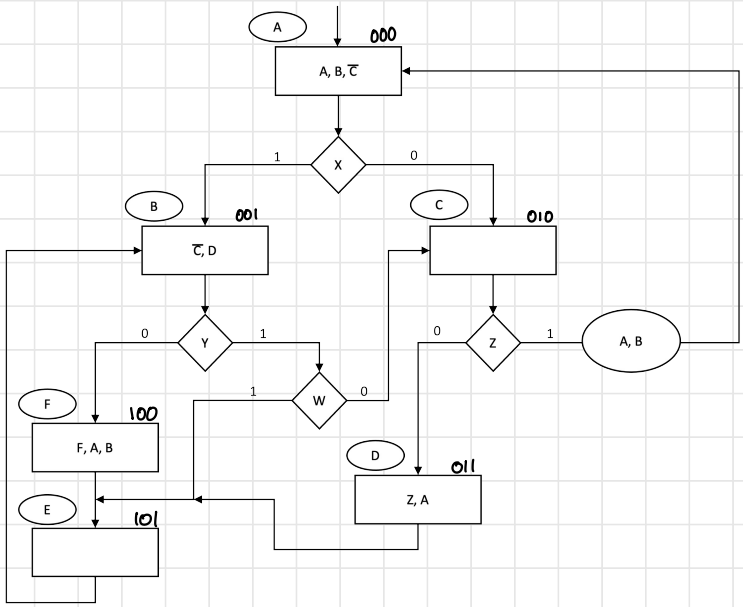
Materia: Organización y Arquitectura de Computadoras		Tarea 3
Alumno: Becerril Olivar Axel Daniel	No. Cuenta: 317173888	27/02/2025

Obtenga el contenido de memoria de las siguientes cartas ASM

Carta A

Entradas: w x y z
Salidas: A B $\bar{C}$ D F Z



	Edo. Pres			w	x	y	z	L	I	G	A	A	B	$\bar{C}$	D	F	Z
A	0	0	0	*	0	*	*	0	1	0		1	1	0	0	0	0
A	0	0	0	*	1	*	*	0	0	1		1	1	0	0	0	0
B	0	0	1	*	*	0	*	1	0	0		0	0	0	1	0	0
B	0	0	1	0	*	1	*	0	1	0		0	0	0	1	0	0
B	0	0	1	1	*	1	*	1	0	1		0	0	0	1	0	0
C	0	1	0	*	*	*	0	0	1	1		0	0	1	0	0	0
C	0	1	0	*	*	*	1	0	0	0		1	1	1	0	0	0
D	0	1	1	*	*	*	*	1	0	1		1	0	1	0	0	1
F	1	0	0	*	*	*	*	1	0	1		1	1	1	0	1	0
E	1	0	1	*	*	*	*	0	0	1		0	0	1	0	0	0

$\therefore 6 \times 2^4 = 96$

$\lceil \log_2 6 \rceil + 6 = 9$

$\therefore 96 \times 9$

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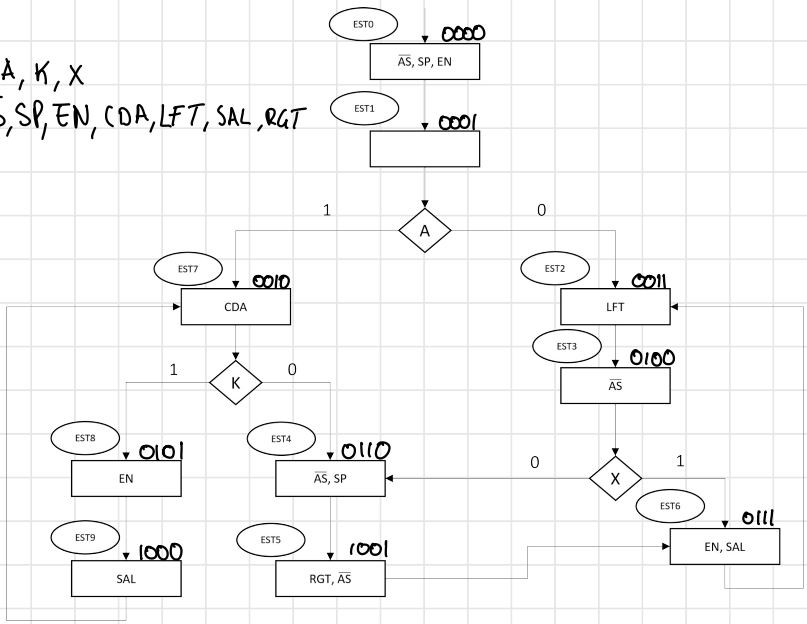
Carta B

Entradas: A, K, X

Salidas: $\overline{AS}$, SP, EN, CDA, LFT, SAL, RGT



	Edo. Pres				A	K	X				L I G A				AS	SP	EN	CDA	LFT	SAL	RGT
E_0	0	0	0	0	*	*	*	0	0	0	1				0	1	1	0	0	0	0
E_1	0	0	0	1	0	*	*	0	0	1	1				1	0	0	0	0	0	0
E_1	0	0	0	1	1	*	*	0	0	1	0				1	0	0	0	0	0	0
E_7	0	0	1	0	*	0	*	0	1	1	0				1	0	0	1	0	0	0
E_7	0	0	1	0	*	1	*	0	1	0	1				1	0	0	1	0	0	0
E_2	0	0	1	1	*	*	*	0	1	0	0				1	0	0	0	1	0	0
E_3	0	1	0	0	*	*	0	0	1	1	0				0	0	0	0	0	0	0
E_3	0	1	0	0	*	*	1	0	1	1	1				0	0	0	0	0	0	0
E_8	0	1	0	1	*	*	*	1	0	0	0				1	0	1	0	0	0	0
E_4	0	1	1	0	*	*	*	1	0	0	1				0	1	0	0	0	0	0
E_6	0	1	1	1	*	*	*	0	0	1	1				1	0	1	0	0	1	0
E_9	1	0	0	0	*	*	*	0	0	1	0				1	0	0	0	0	1	0
E_5	1	0	0	1	*	*	*	0	1	1	1				0	0	0	0	0	0	1

$\therefore 10 \times 2^3 = 80$

$\lceil \log_2 10 \rceil + 7 = 11$

$\therefore 80 \times 11$