







B) In the first to columns we look for A &! B and obtain 4 ones in the output. Similarly the look for C but not D on the two following columns.

RAM CONTENTS										
Address								Output Data		
A	A B			С		D		F		
	0	0		0		<u>ם</u>	0	0		
	0	0		0			1	0		
	0	0		С	1	<u> </u>	0		1	
0			0		1		1	0		
0			1		0		0	0		
0		1		0			1	0		
	0		1		<sup>C</sup> 1		0	1		
0		1		1			1	0		
	1	!B	0		0	!D	0		1	
	1	:D	0		0		1		1	A&!B
Α	1		0	С	1	!D	0		1	
	1		0		1		1		1	
	1	1		0		!D	0	0		
	1		1		0		1	0		
	1		1	1 C		!D	0	1		
	1		1		1		1	0		