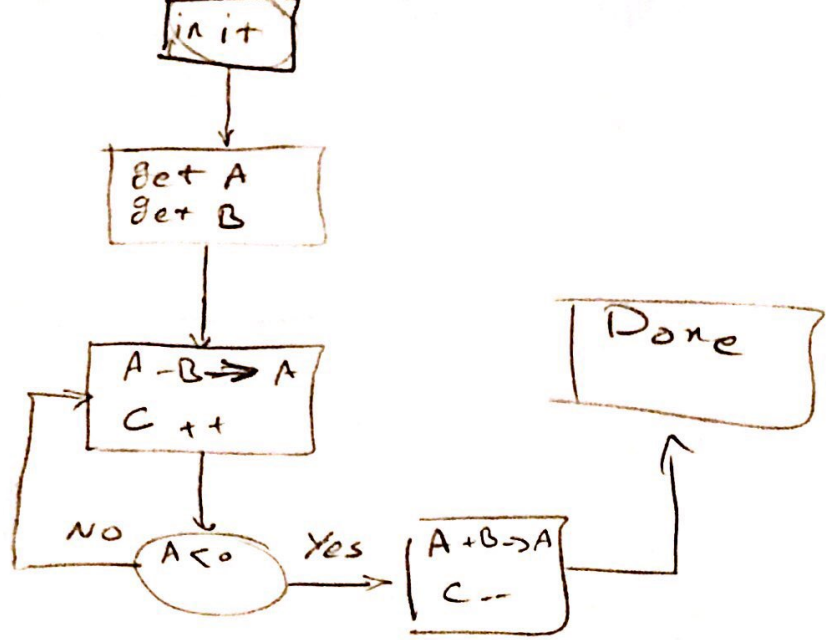


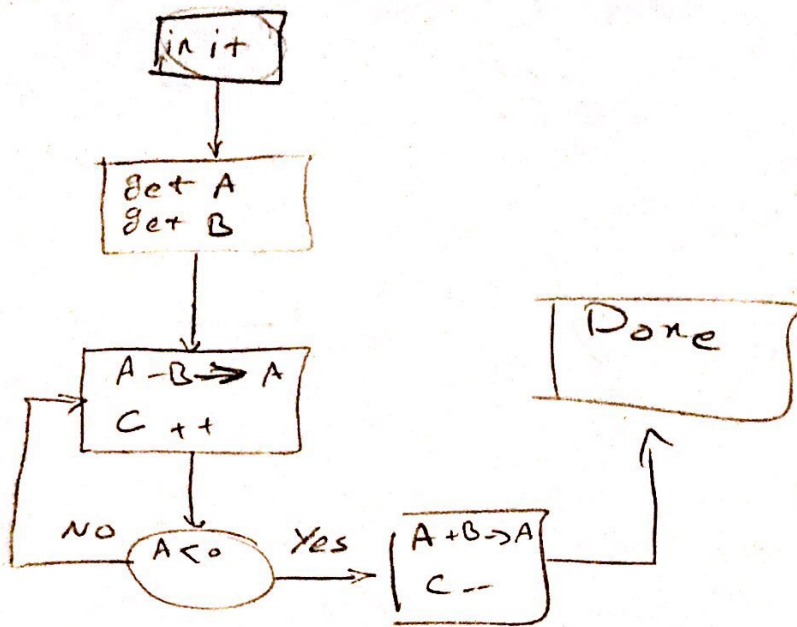
سؤال 1



ASM Chart

مقادير = 101000  
 مقادير = 000110 } →

A = 101000 B = 000110 C = 000000	ld-en-A = 1 ld-en-B = 1 rst-C = 1 sel = 0	A = 000000 B = 000110 C = 000101	X
A = 100000 B = 000110 C = 000001	ld-en-A = 1 sel = 1 ld-en-C = 1 for = 1	A = 000100 B = 000110 C = 000110	X
A = 000000 B = 000110 C = 000010	X	A = 000010 B = 000110 C = 000111	X
A = 010100 B = 000110 C = 000011	X	A = 000100 B = 000110 C = 000110	ld-en-A = 1 sel = 1 ld-en-C = 1 for = 0
A = 010000 B = 000110 C = 000100	X	Done = 1	



ASR Chart

101000 = 101000  
 000110 = 000110

A = 101000  
 B = 000110  
 C = 000000

ld-en-A = 1  
 ld-en-B = 1  
 rst-C = 1  
 sel = 0

A = 100000  
 B = 000110  
 C = 000001

ld-en-A = 1  
 sel = 1  
 ld-en-C = 1  
 for = 1

A = 000000  
 B = 000110  
 C = 000010

A = 010100  
 B = 000110  
 C = 000011

A = 010000  
 B = 000110  
 C = 000100

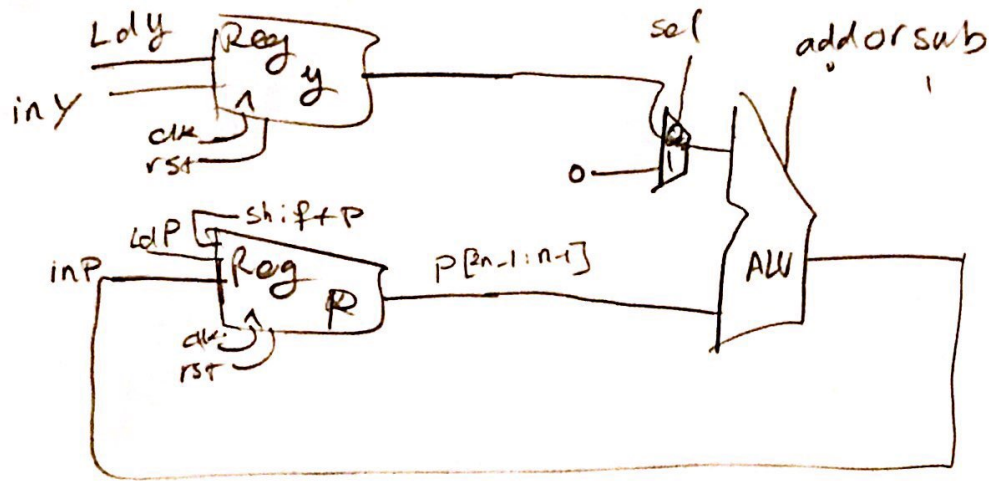
A = 000000  
 B = 000110  
 C = 000101

A = 000100  
 B = 000110  
 C = 000110

A = 000010  
 B = 000110  
 C = 000111

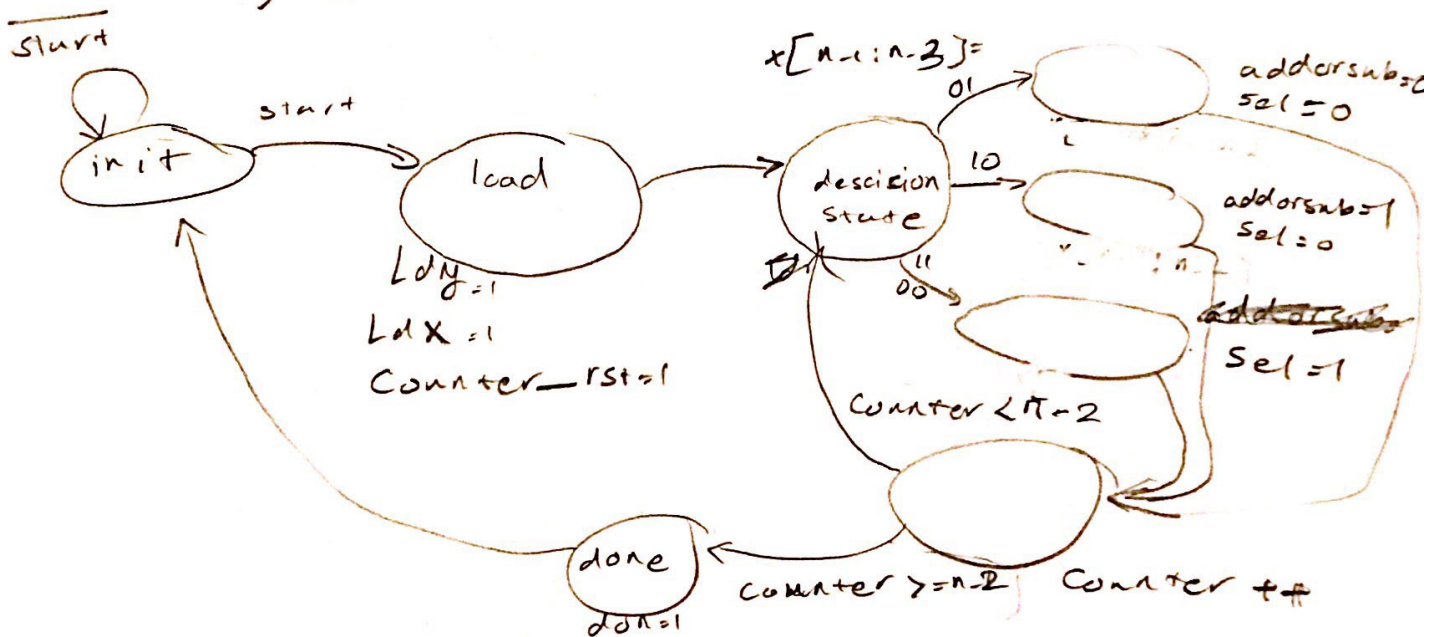
A = 000100  
 B = 000110  
 C = 000110

Done = 1

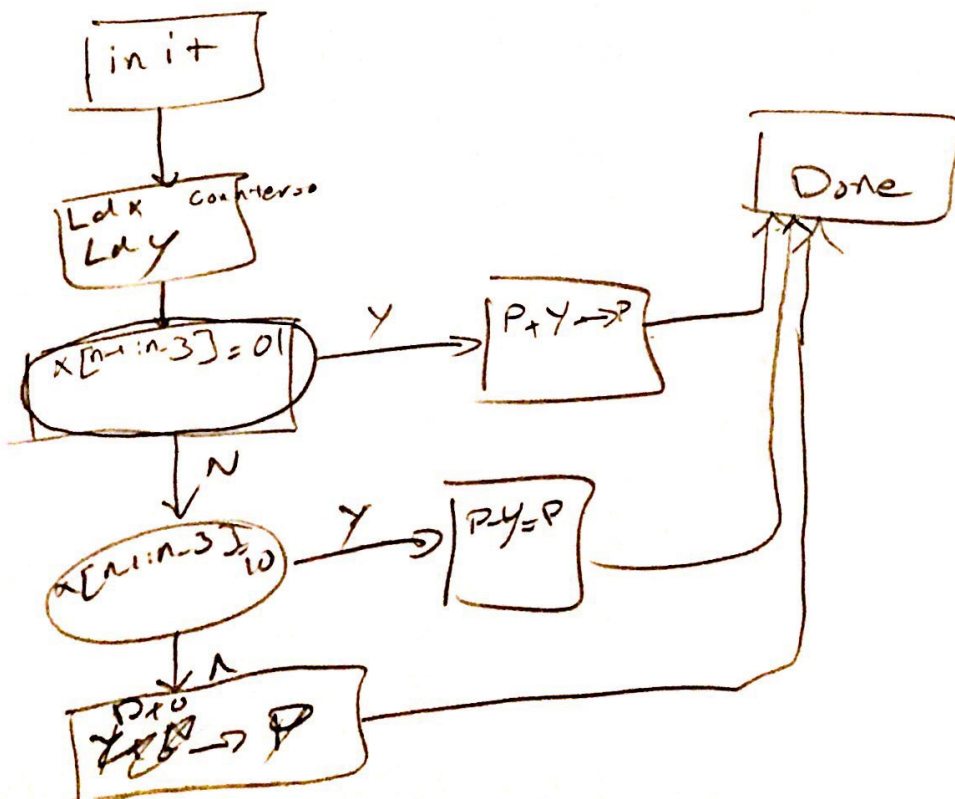


میکسر x را به یخساز

تقریباً به جمع برای این کار در میکسر به Controller انتقال داده می شود.



Controller



ASM chart