

1st ASSEMBLY :

First Question :

FETCH	EXECUTE
AC:0000 IR:1940 PC:300 940:0003 941:0002	AC:0003 IR:1940 PC:300 940:0003 941:0002
AC:0003 IR:5941 PC:301 940:0003 941:0002	Ac:0005 IR:5941 PC:301 940:0003 941:0002
AC:0005 IR:2941 PC:302 940:0003 941:0002	

Second Question:

FETCH	EXECUTE
AC:0007 IR:1550 PC:300 500:0003 551:0004 600:0000	AC:0003 IR:1550 PC:300 500:0003 551:0004 600:0000
AC:0003 IR:5551 PC:301 550:0003 551:0004 600:0000	AC:0007 IR:5551 PC:301 550:0003 551:0004 6000:0000
AC:0007 IR:2600 PC:302 550:0003 551:0004 600:0000	AC:0000 IR:2600 PC:302 550:0003 551:0004 600:0007

Third Question:

Memory

300	3005
301	5940
302	7006

device5:0003

940:2

device6:0005