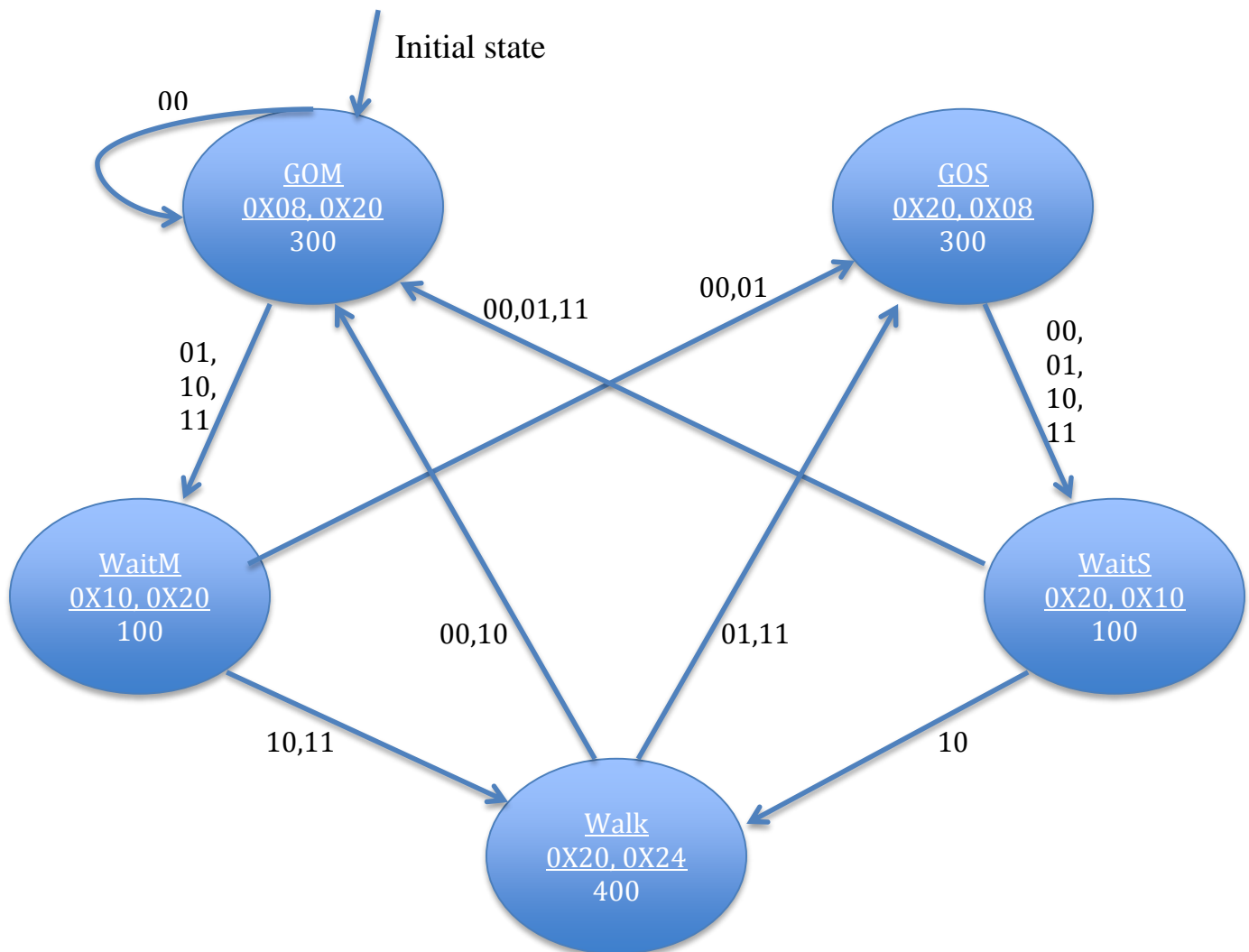


➤ State machine table and state machine graph

1. Walk and Sensor Table:

Walk (W)	Sensor (S)
0	0
0	1
1	0
1	1

2. Finite State Diagram:



3. Finite State Table:

Present State Next State input	W S 0 0	W S 0 1	W S 1 0	W S 1 1
<u>GOM</u> 0x08, 0x20 300	GOM	WaitM	WaitM	WaitM
<u>GOS</u> 0x20, 0x08 300	WaitS	WaitS	WaitS	WaitS
<u>WaitM</u> 0x10, 0x20 100	GOS	GOS	Walk	Walk
<u>WaitS</u> 0x20, 0x10 100	GOM	GOM	Walk	GOM
<u>Walk</u> 0x20, 0x24 400	GOM	GOS	GOM	GOS