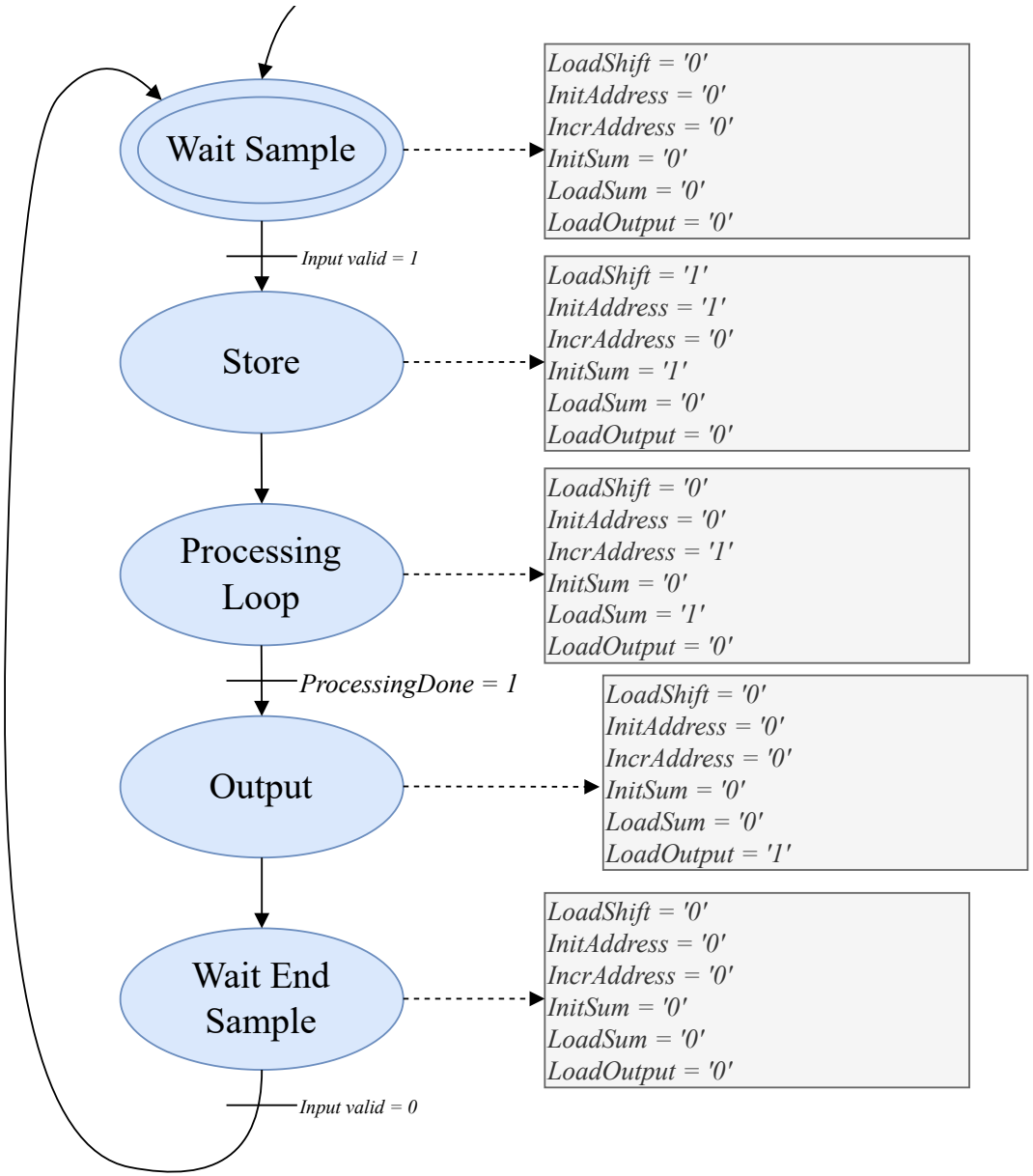
Rst = '1'


Wait Sample
LoadShift = '0'
InitAddress = '0'
IncrAddress = '0'
InitSum = '0'
LoadSum = '0'
LoadOutput = '0'
Input valid = 1
Store
LoadShift = '1'
InitAddress = '1'
IncrAddress = '0'
InitSum = '1'
LoadSum = '0'
LoadOutput = '0'
Processing Loop
LoadShift = '0'
InitAddress = '0'
IncrAddress = '1'
InitSum = '0'
LoadSum = '1'
LoadOutput = '0'
ProcessingDone = 1
Output
LoadShift = '0'
InitAddress = '0'
IncrAddress = '0'
InitSum = '0'
LoadSum = '0'
LoadOutput = '1'
Wait End Sample
LoadShift = '0'
InitAddress = '0'
IncrAddress = '0'
InitSum = '0'
LoadSum = '0'
LoadOutput = '0'
Input valid = 0