

Process 0

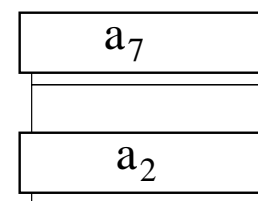
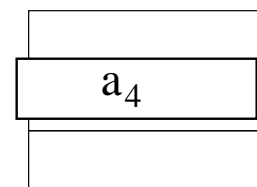
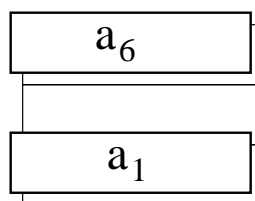
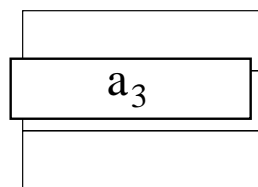
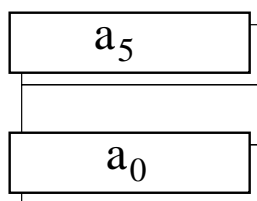
Process 1

Process 2

Process 3

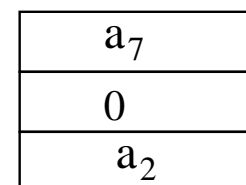
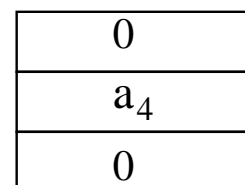
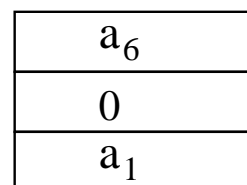
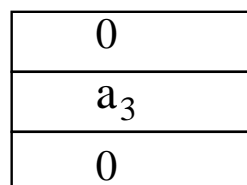
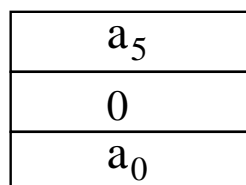
Process 4

a



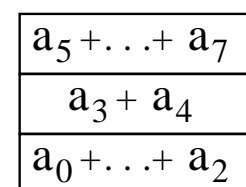
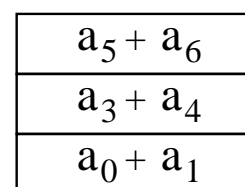
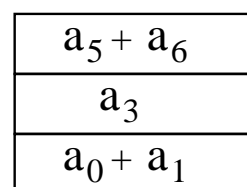
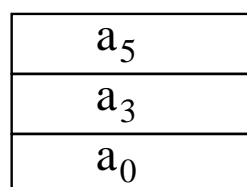
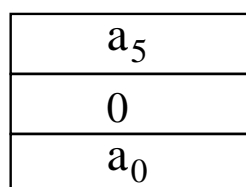
Initially

ts

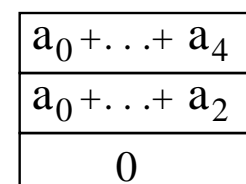
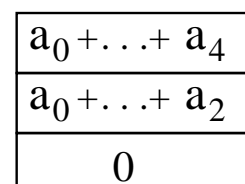
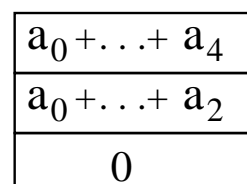
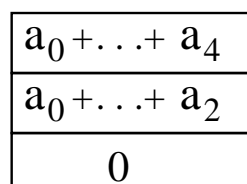
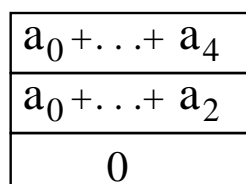


After copying elements of 'a' to 'ts'

ts

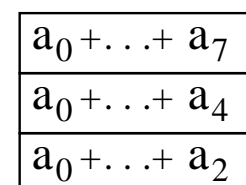
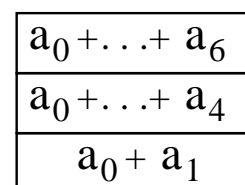
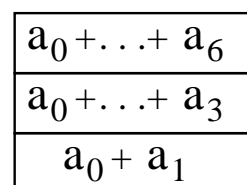
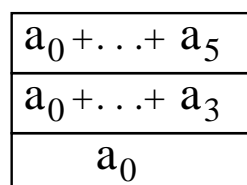
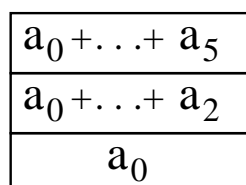


After doing global prefix across rows

*exclusive
prefix of
last column*

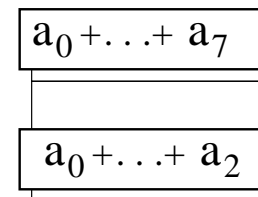
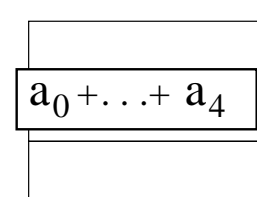
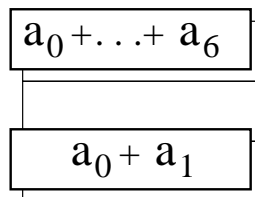
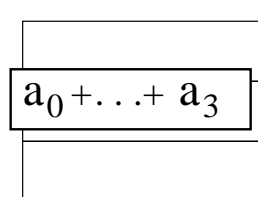
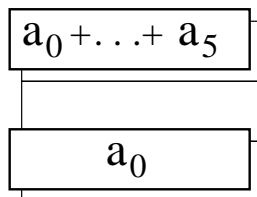
After broadcasting exclusive prefix of last column

ts



After adding last-column-prefix to local column

a



After copying elements of 'ts' back to 'a'