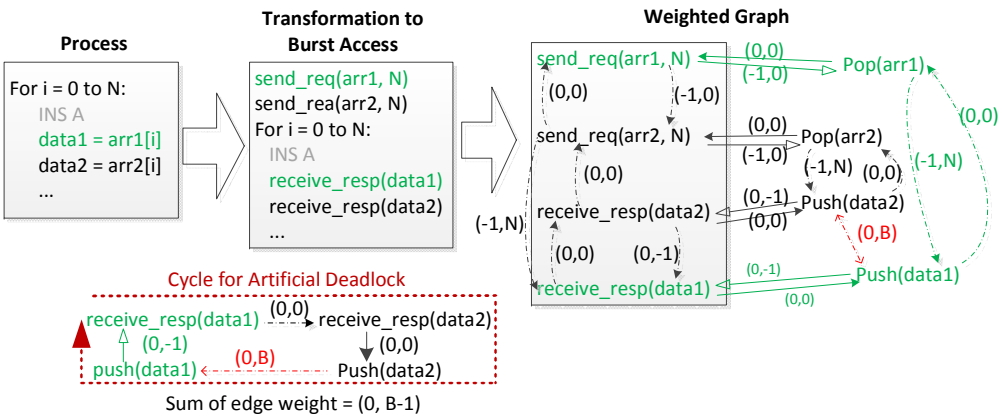
Process
For i = 0 to N:
INS A
data1 = arr1[i]
data2 = arr2[i]
...
Transformation to Burst Access
send_req(arr1, N)
send_rea(arr2, N)
For i = 0 to N:
INS A
receive_resp(data1)
receive_resp(data2)
...
Weighted Graph
send_req(arr1, N)
send_req(arr2, N)
receive_resp(data2)
receive_resp(data1)
Pop(arr1)
Pop(arr2)
Push(data2)
Push(data1)
(0,0)
(-1,0)
(-1,N)
(0,-1)
(0,B)
Cycle for Artificial Deadlock
receive_resp(data1)
receive_resp(data2)
push(data1)
Push(data2)
Sum of edge weight = (0, B-1)