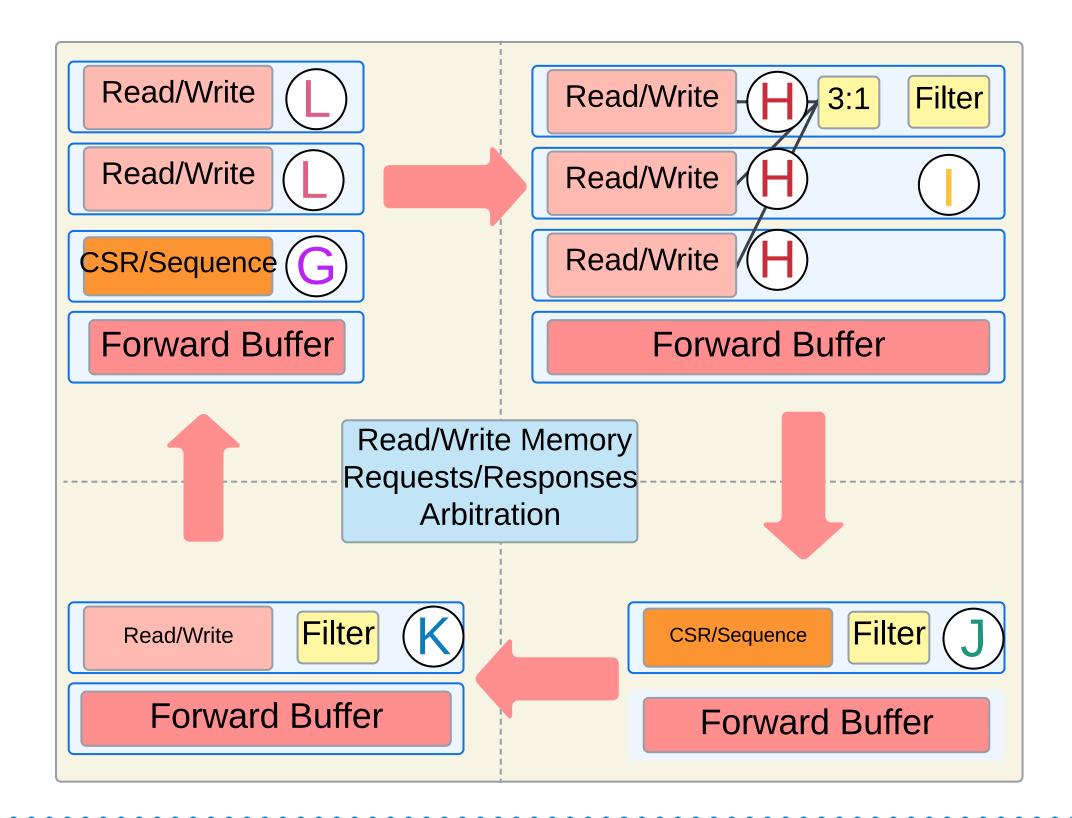
GraphBlox.BFS



```
function BFS-bottom-up-step(vertices, frontier, next, parents)
SCHEDULE Vertices
for v ∈ graphCSR do
  READ graphCSR->inDegree[v]
  READ graphCSR->edgeIdx[v]
  READ parents[v]
 if parents[v] = -1 then
    for n ∈ inNeighbor[v] do
    READ graphCSR->inNeighbor[v]
      READ frontier[n]
      if n ∈ frontier do
         WRITE parents[v]
         WRITE next[v]
         parents[v] ← n
         next \leftarrow next \cup \{v\}
         break
      end if
```

end for

end if

end for