

(a) one possible executing this KPN model

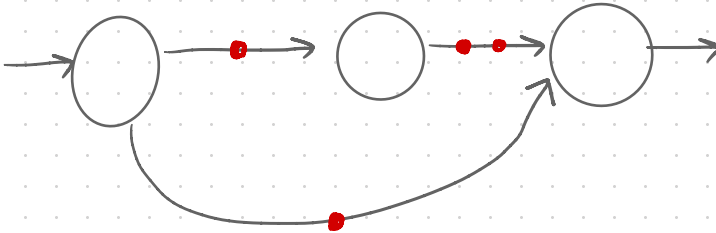
Reader: iq.get(), qA.put()

Conv: qA.get(), qB.put()

Merge: qC.get(), qB.get()

← qB blocked

buffer size 2



queue	buffer size
qA	1
qB	2
qC	1

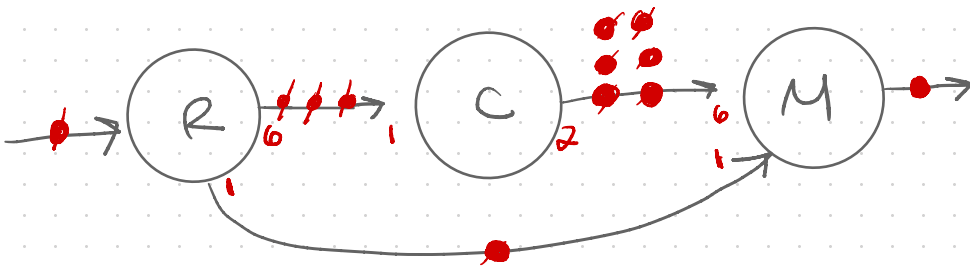
don't know
what exactly
the order will
be. Memory is
bounded but not
complete

b) yes, they may need to be bigger. Park's finds smallest queue size \rightarrow but it's not guarantee minimum memory usage

c)

Python
- Code -

d) $N=3$

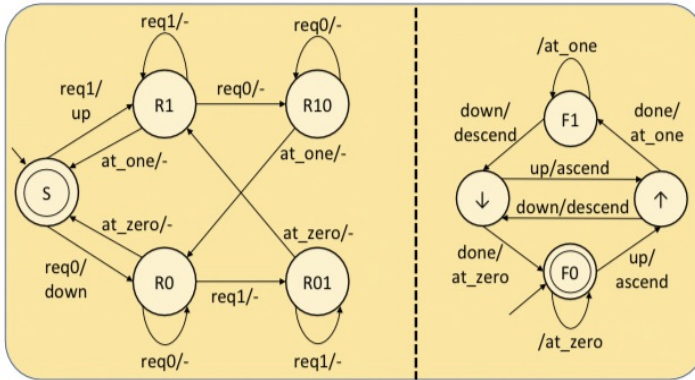


RCCCM

e)

- Python -
code

1.2



a) request from floor #1, assume @ 0

