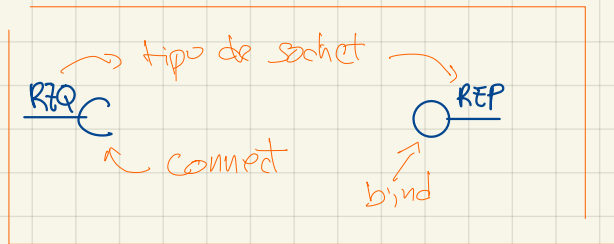
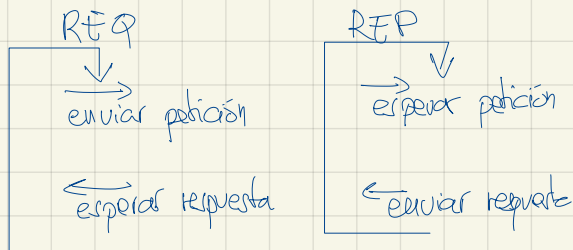


# ZeroMQ Patrones



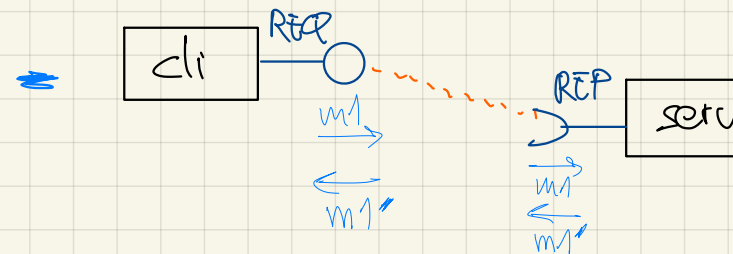
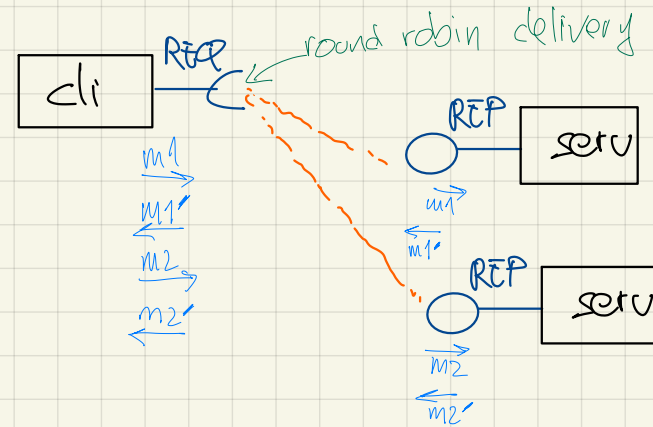
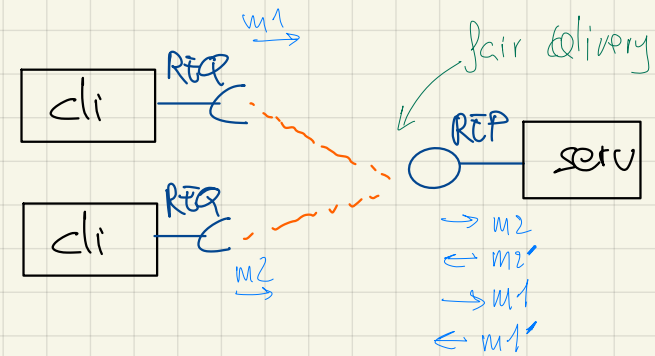
## REQ - REP

- $\longleftrightarrow$  (bidirectional)
- msg 1  $\xrightarrow{a}$  1 (de n)  
1  $\xleftarrow{1}$  1
- REQ  $\approx$  cliente  
REP  $\approx$  servidor
- lock-step



## conexiones

- generales, simples, potentes
- muchos patrones útiles  $\equiv$  buenas ideas!



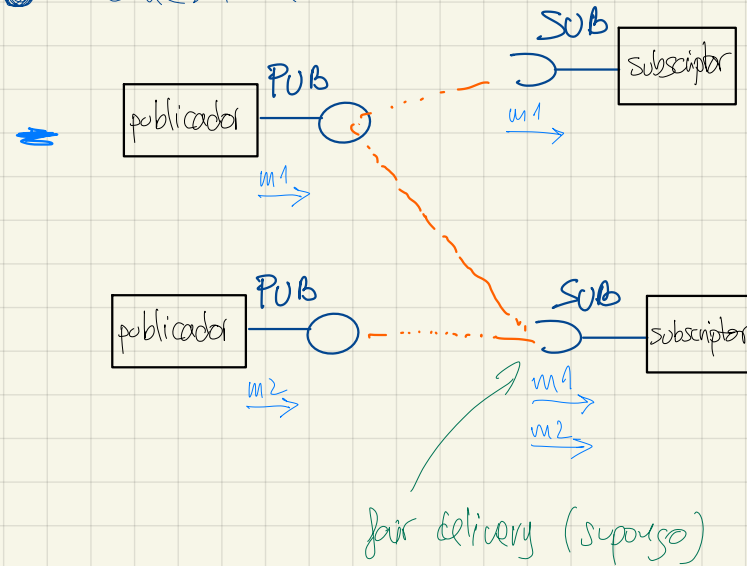
# ZeroMQ Patterns



## PUB-SUB

- (unidireccional)
- msg 1  $\xrightarrow{a}$  n
- SUB debe subscribirse  
(o no le llegarán mensajes)

### conexiones



\* Se podría intercambiar  
—o por —