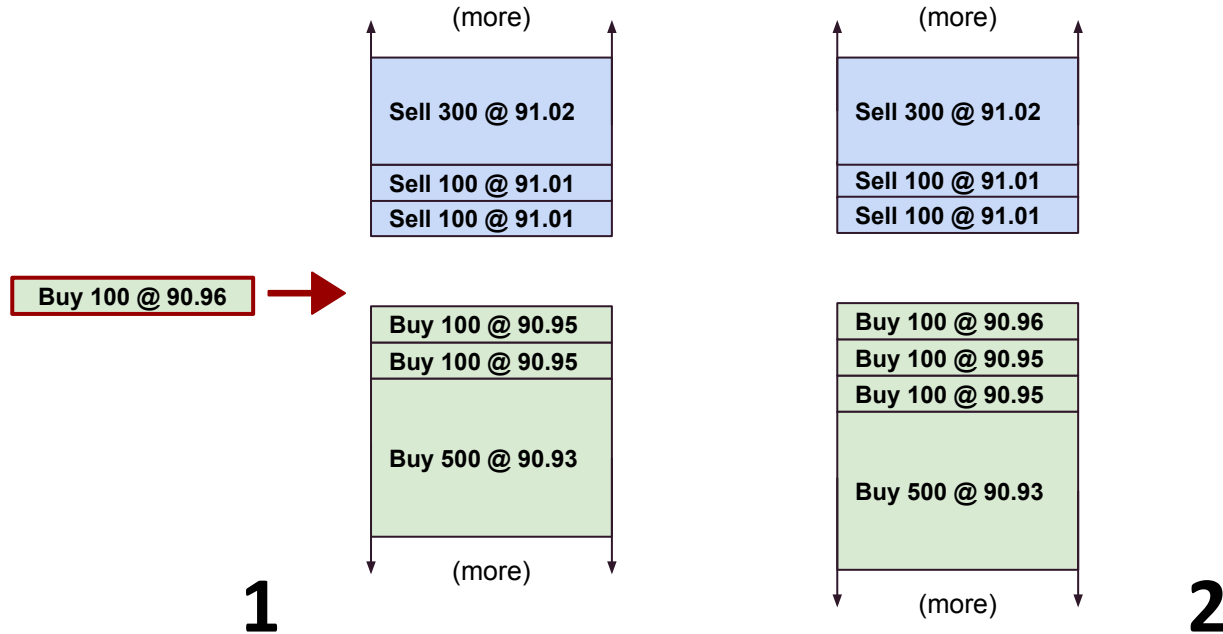
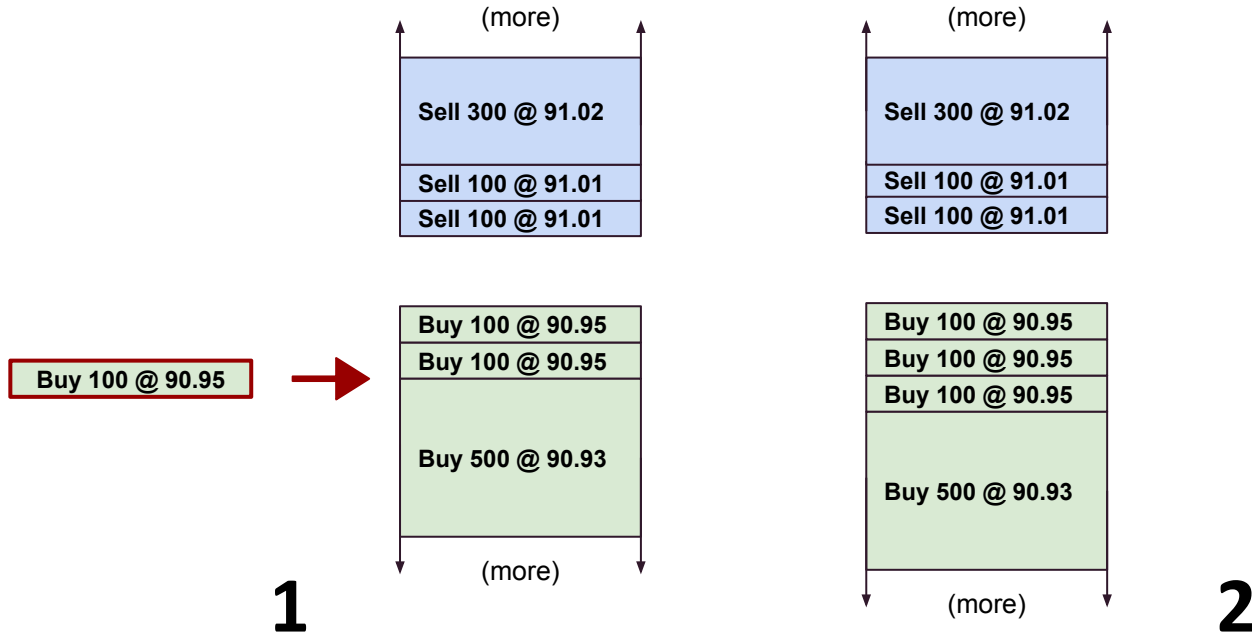


# Order book and market impact

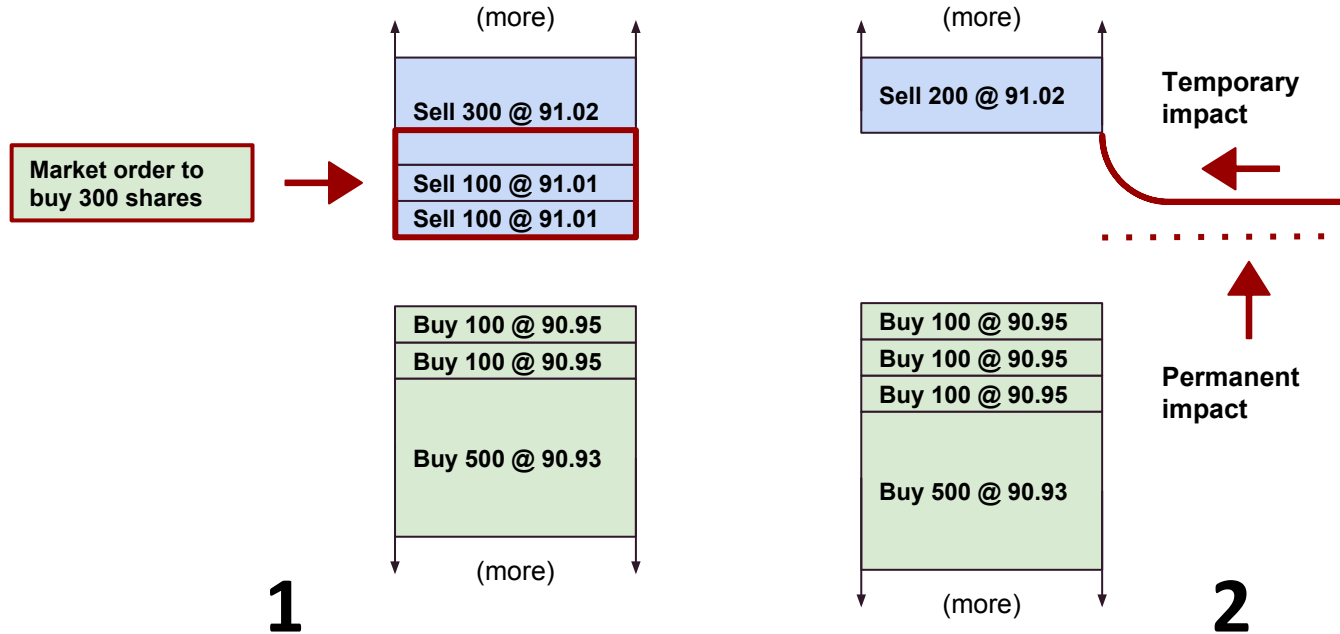
# Adding new bid - price priority



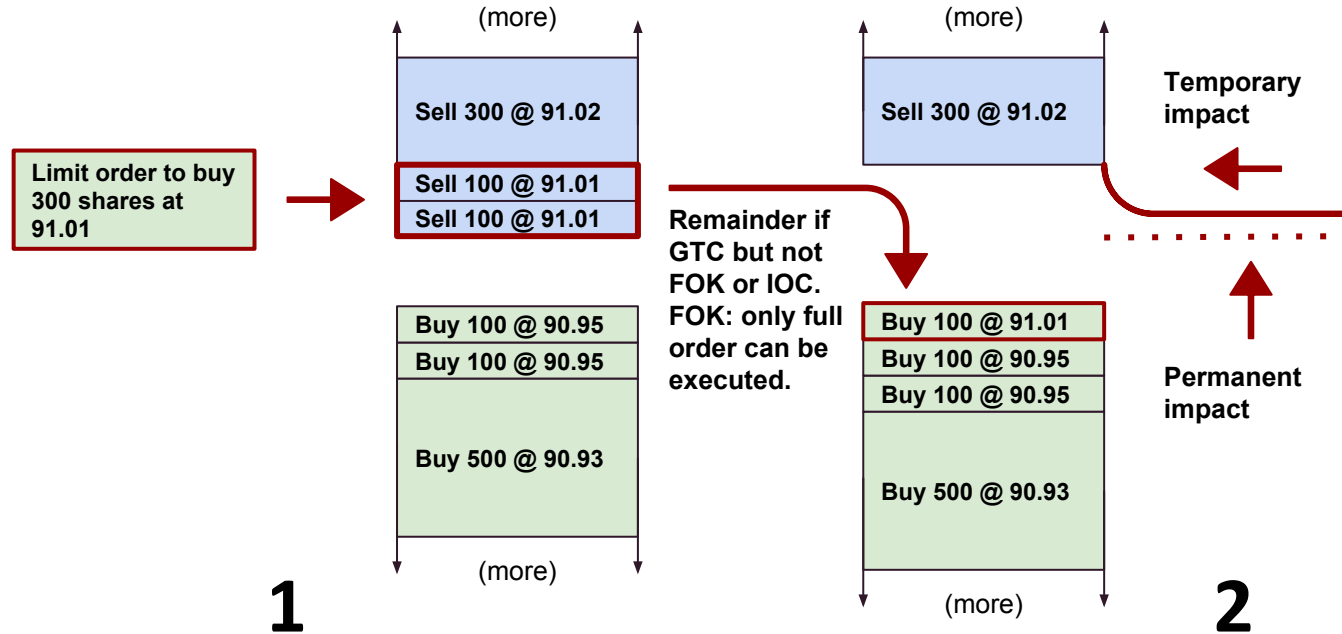
# Adding new bid - time priority



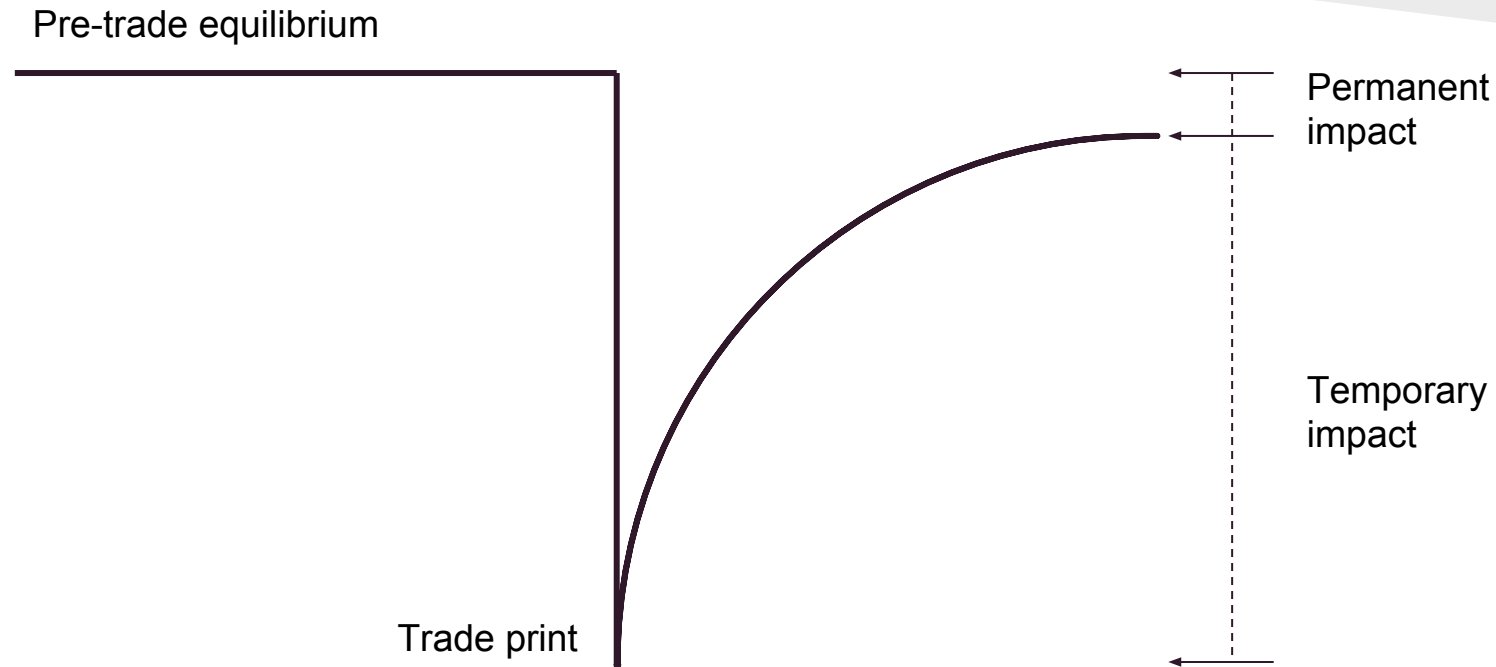
# Impact of marketable orders - market



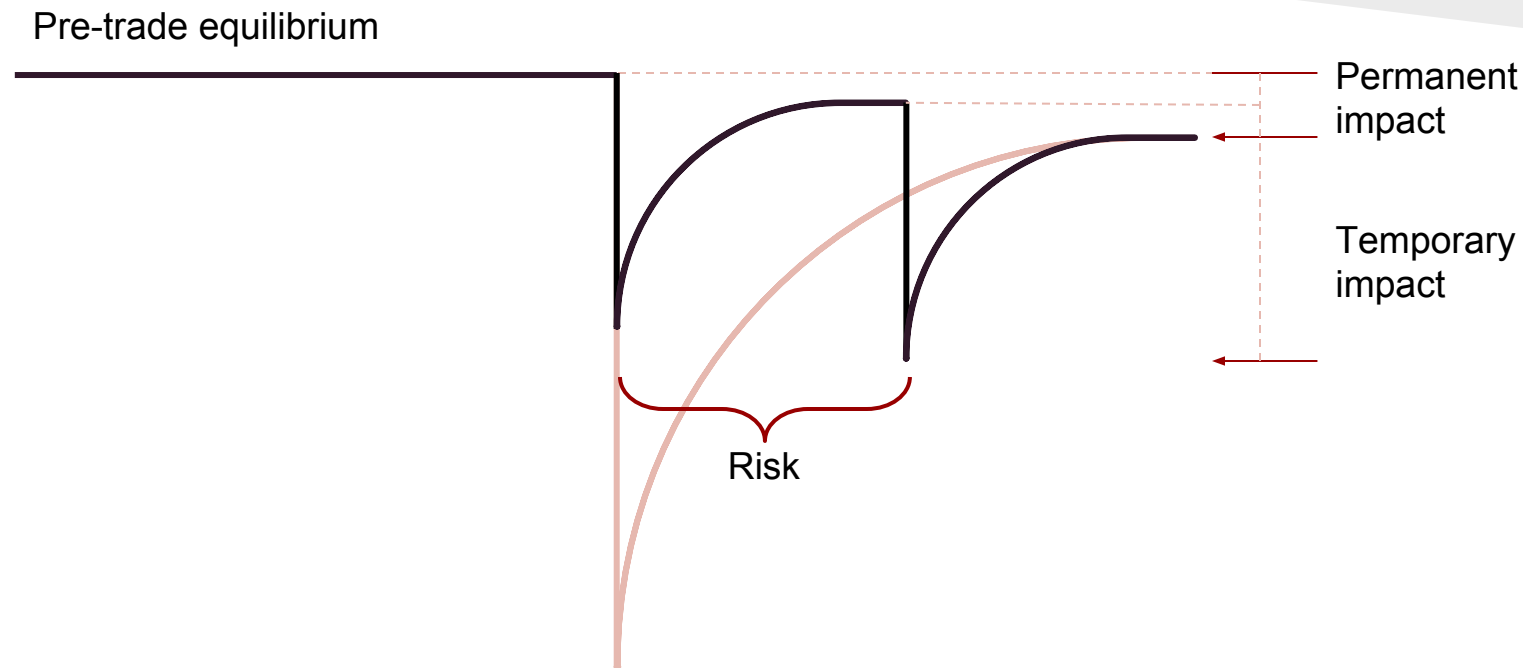
# Impact of marketable orders - limit



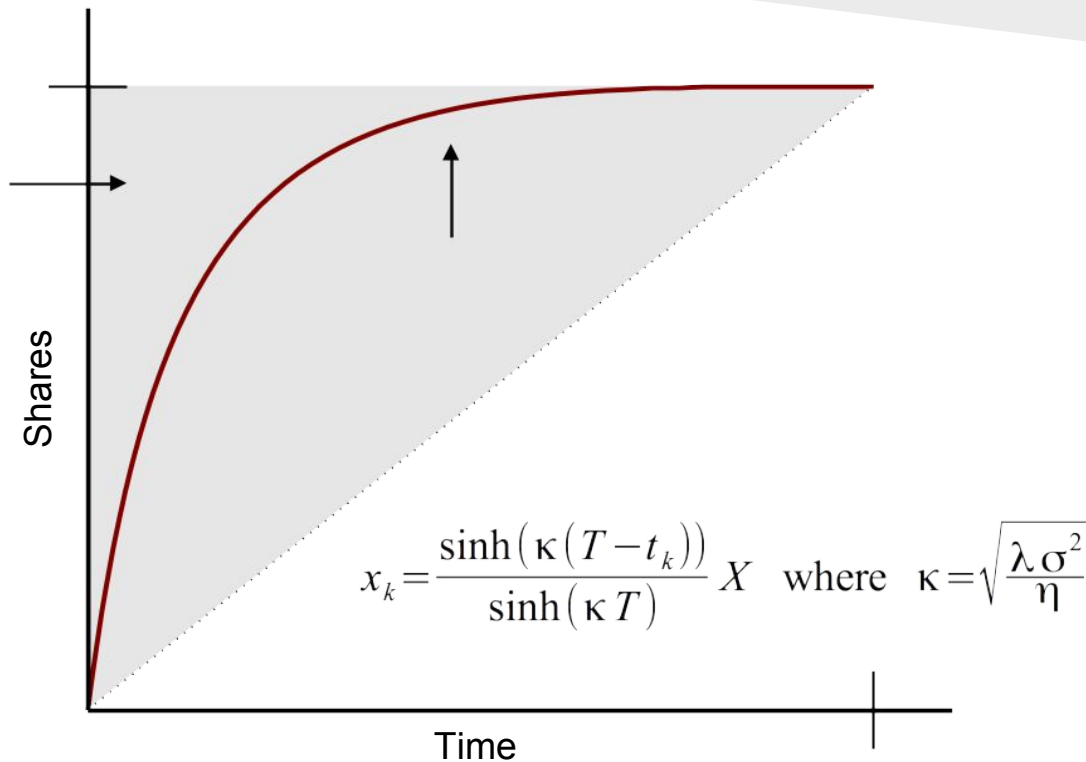
# Idealized market impact function



# Impact of 2 executions



# Almgren - Chriss optimization





# If two executions are better than one...

