M339 D: January 20th, 2023.
Market Makers.
Bid price the price that the market maker is willing to pay for an asset
Ask price the price that the market maker wants to receive for an asset
Bid Phices < Ask Phice
=> Bid·Asle Spread
Brokers. Charge a commission per transaction
fixed amount proportional to the cashflow
Assume no bid ask spread or transaction costs.
Stock Prices.
5(t) t>0 time t stock price a stochastic process
5(0)~~~~~
0 time (t)
Outright Rurchase of One Share of Stock.
Assume no dividends.
-5(0) S(T) random variable
T time horizon

