Second Price Anction (Englist Ascending Price, vidney auction)
Second Price Anction (Englist Ascending Price, vidney auction) (highest bitter win
only winning bidder pays, good goes to the bidder with highest valuetion winning bidder pay the amount of the highest loning bidder
> dominant strategy for any bidder i to bid for watuation.
bīcu) = vi
s true no matter what the distribution of valuation
=> discret, continuous, symmetric, asymmetric.
a true no matter whother opponent are rational or not
~ Disadvantages.
· could lead to disappointingly low resume? not usually
o could lead to disappointingly low resume? not usually o volunable to collusion between kidders. but happens.
specific to SPA. (part FPA).
o can be manipulated by auctioner.
o can be manipulated by auctioner. Shill fids (trade off: may not sell). > FPA
full efficiency require a reserve price of c. (Hart with c).
Experted Revenue
in general, a seller wants to sell a reserved price > c.
Ly what is the optimal maxed price? Experted Revenue?
Eg. () $V \in \{3, 6, 10\}$ ($n=1$, single price) $\frac{1}{3} \frac{1}{3} \frac{1}{3} \stackrel{!}{=} $ random/probability.





