

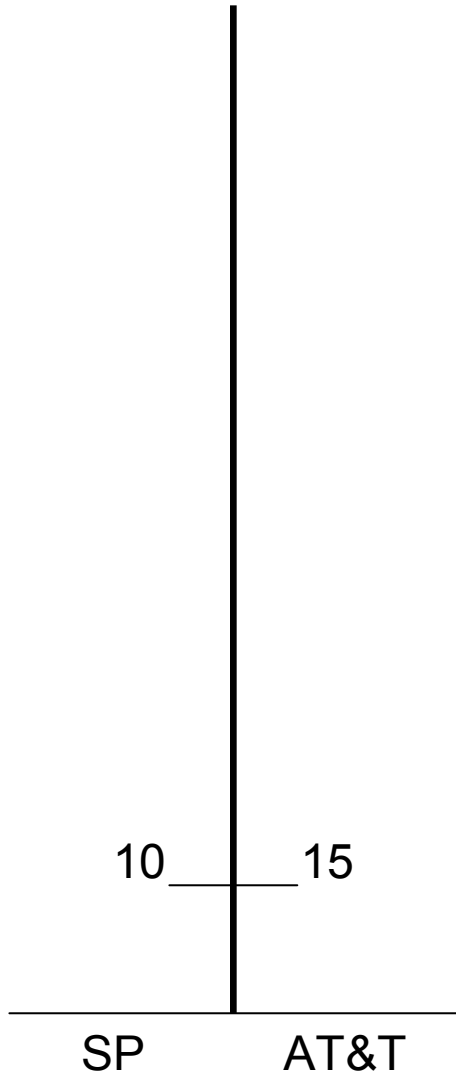
Collusive bidding in FCC Spectrum Auctions

Jeremy Hollander

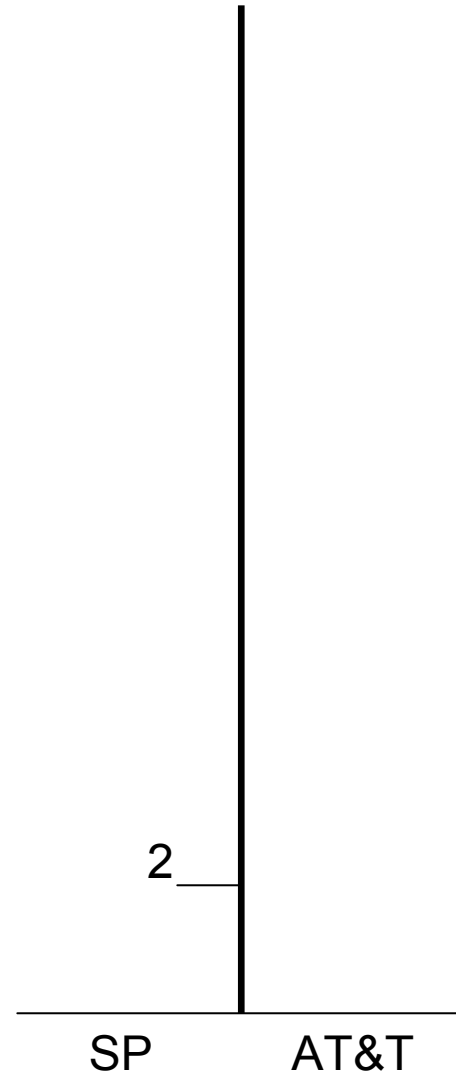
ROUND 1

Austin

Bastrop

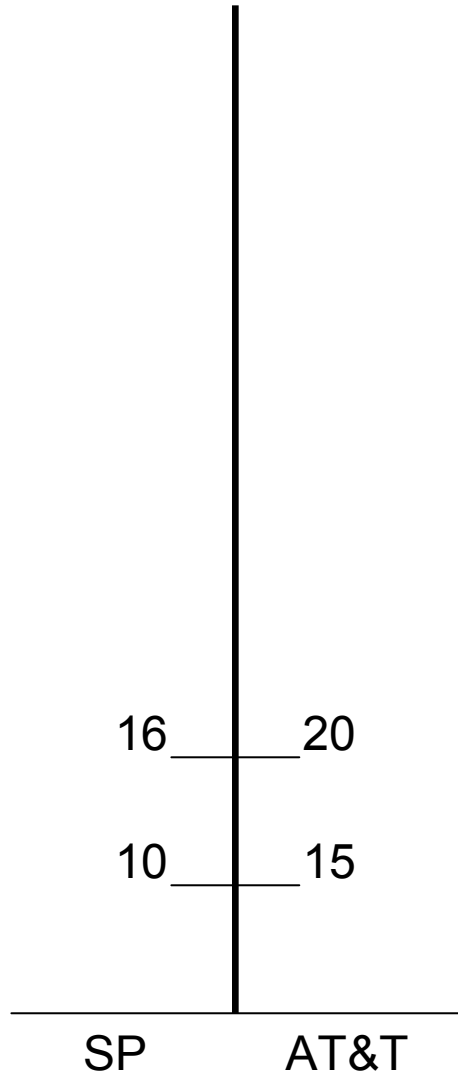


in \$100,000

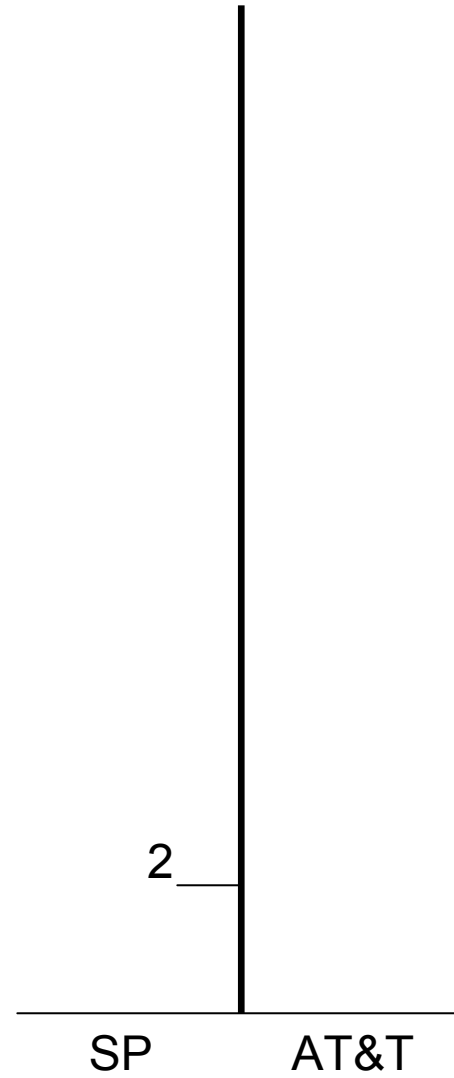


ROUND 2

Austin



Bastrop



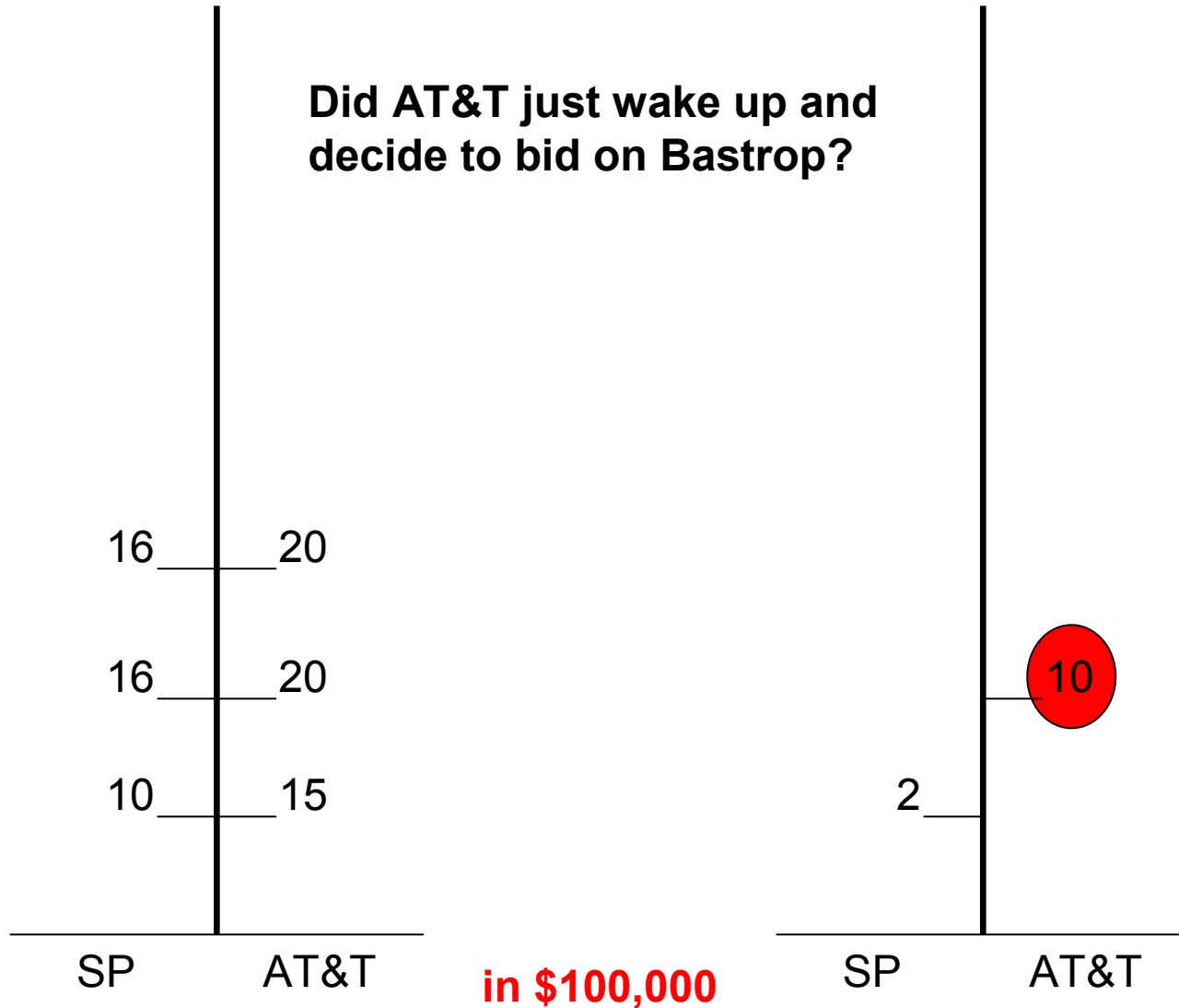
in \$100,000

ROUND 3

Austin

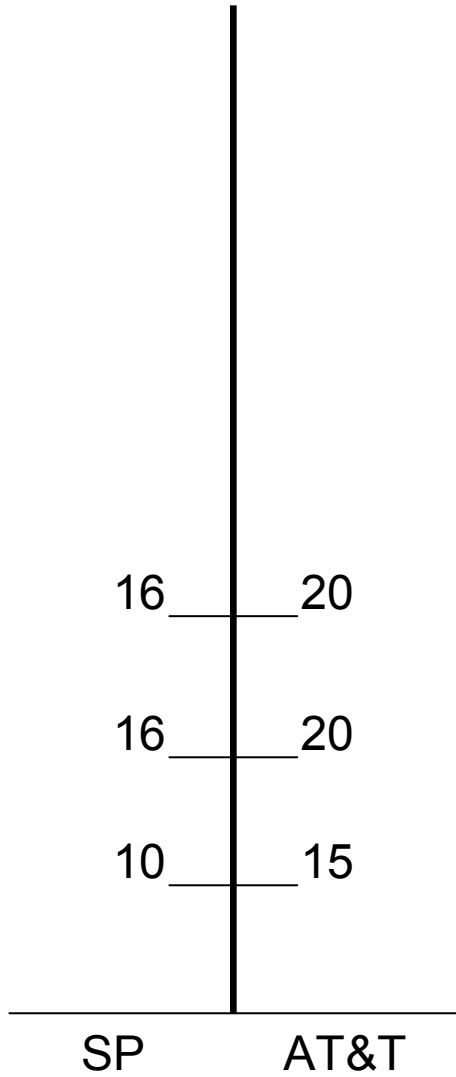
Bastrop

Did AT&T just wake up and decide to bid on Bastrop?



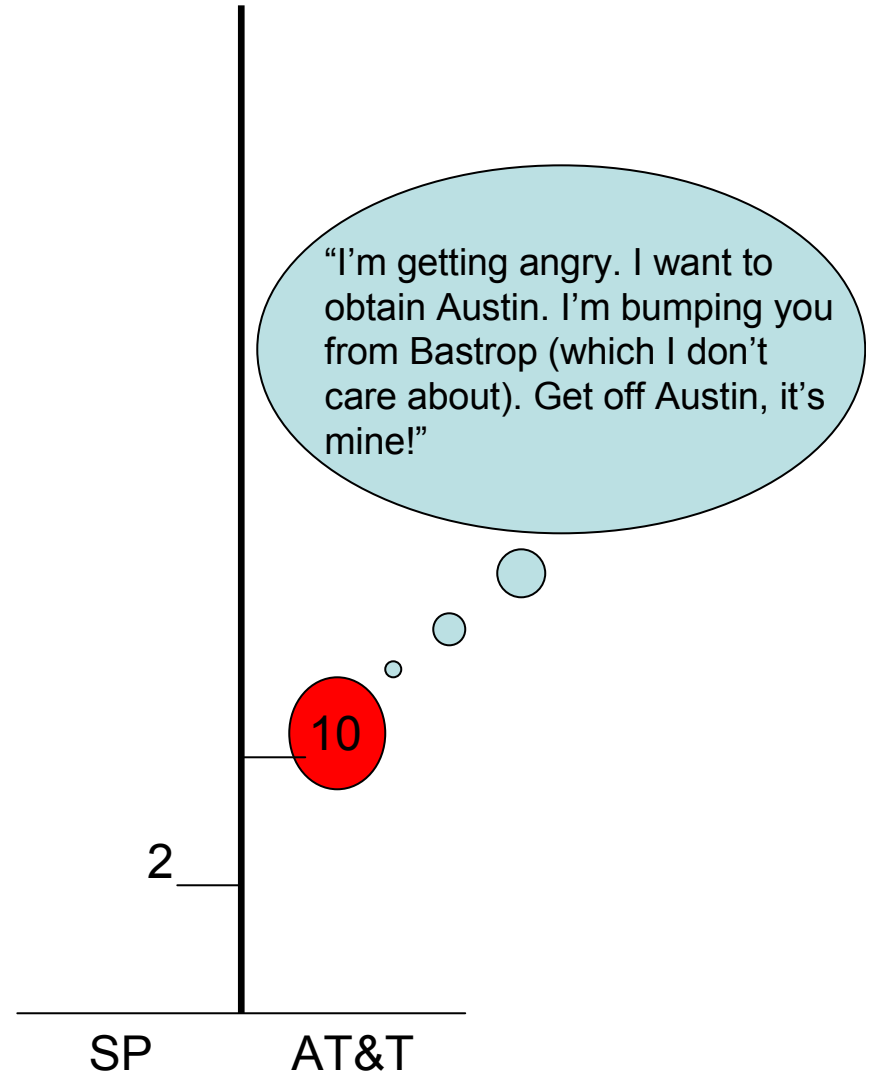
ROUND 3

Austin



in \$100,000

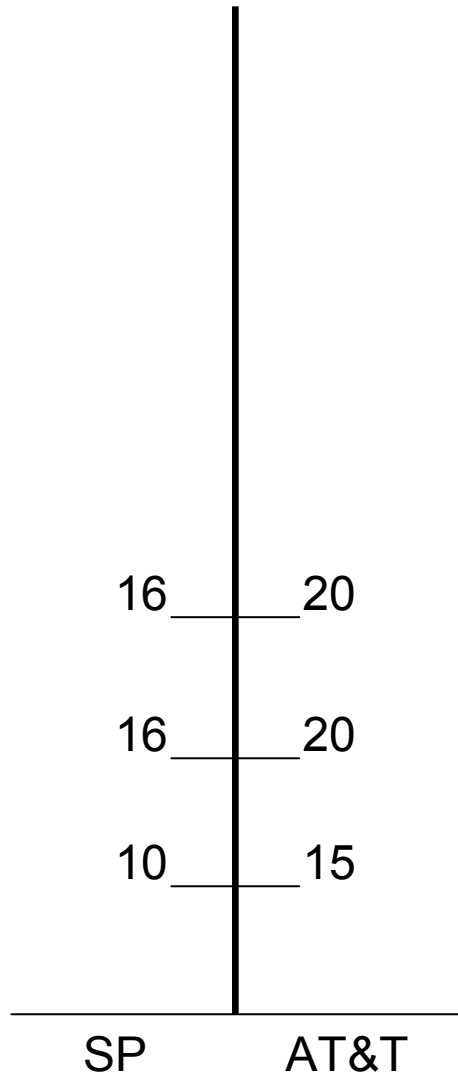
Bastrop



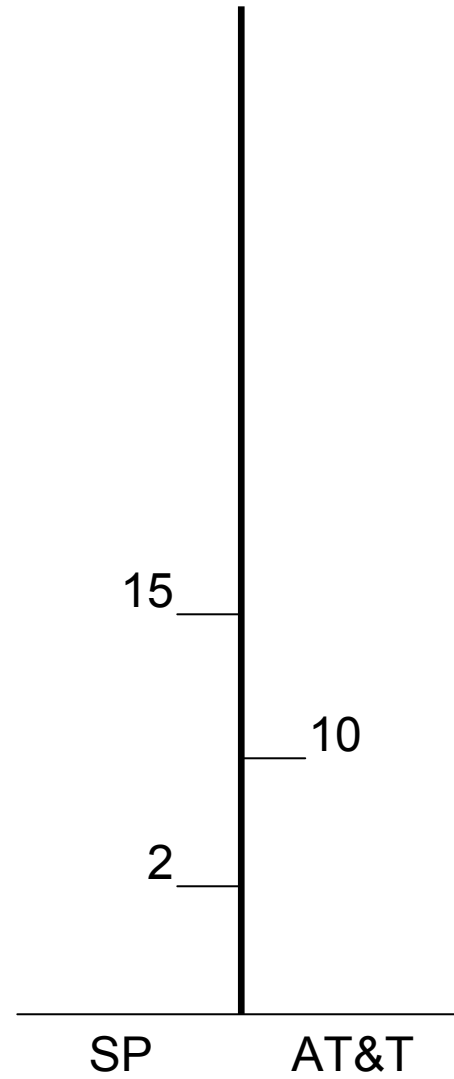
Jeremy Hollander

ROUND 4

Austin



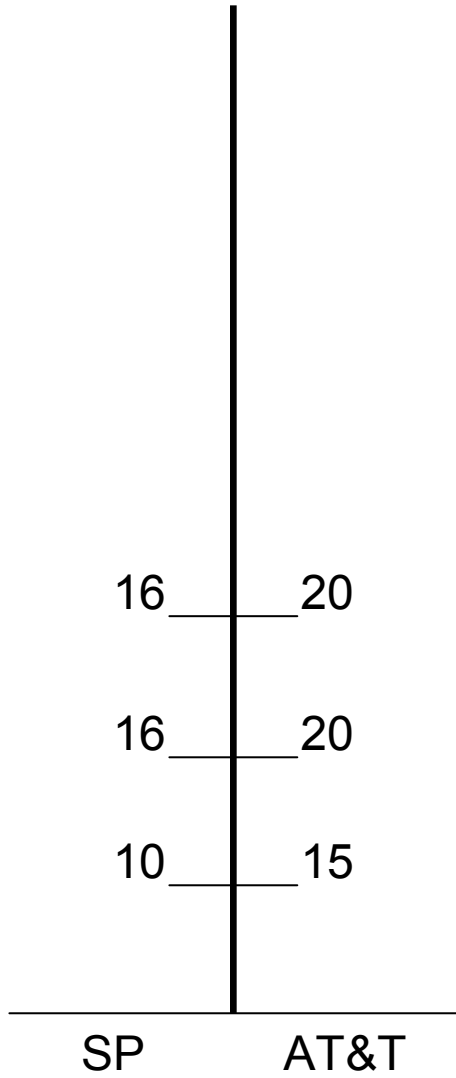
Bastrop



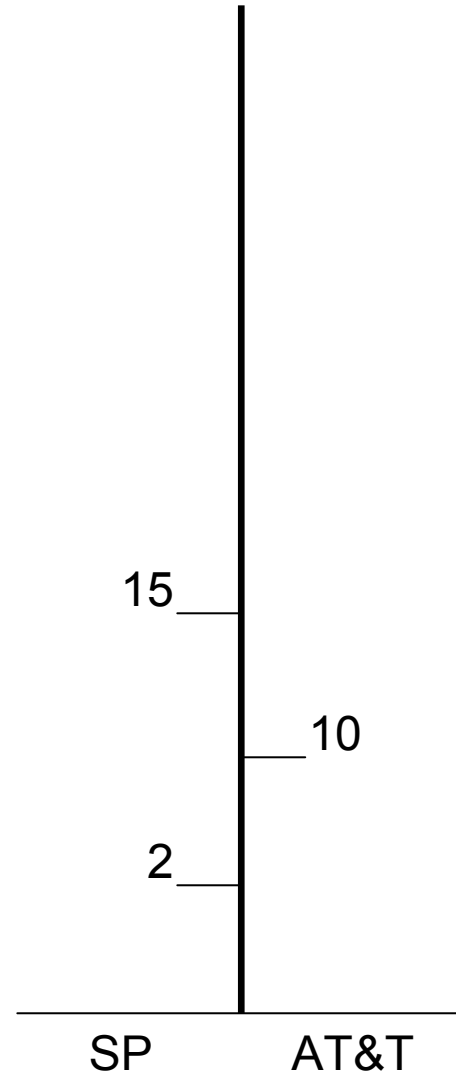
in \$100,000

ROUND 5

Austin



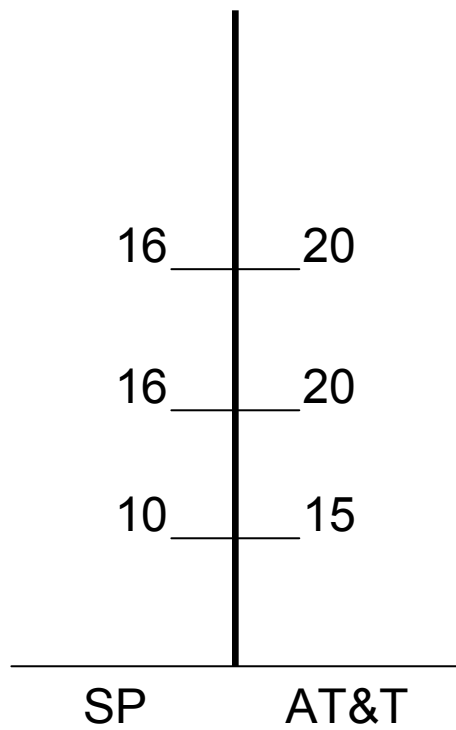
Bastrop



in \$100,000

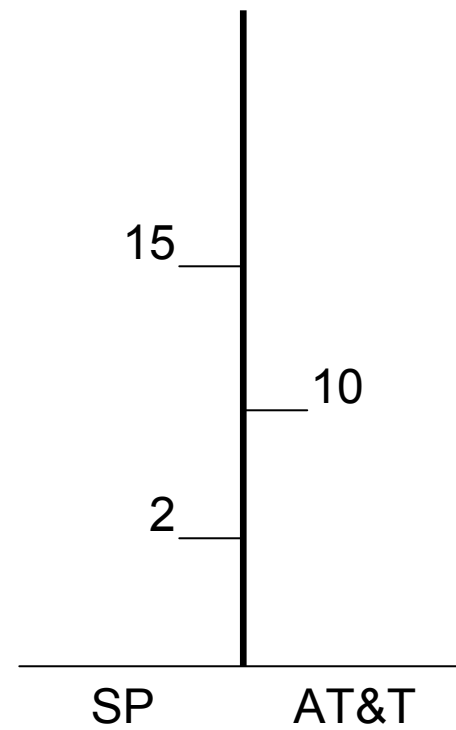
Auction is over. No additional bids between round 4 and 5.

Austin



in \$100,000

Bastrop



Moral of the story?

What are the types of collusive bidding available in an FCC spectrum auction?

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- Bid signaling (ok) and retaliation (nasty!)

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- Bid signaling (ok) and retaliation (nasty!)
- Signal with withdrawals
 - Warning
 - Split

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- Does providing more information to bidders help them to collude or does it rather facilitate an efficient auction?
- Prevent bid signaling
- Increase reserve price ... how about the smaller businesses?
- Preference for small business bidders using bidding credits
- Change closing rules

Do the new FCC rules make it harder to collude?