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## Assignment 5

(1) a) The bid is represented by the output of Keccak 256.

- The Cost of Keaak 256 dlove is 30 Gas

- 11 11 11 Word is 6 Gas, word = 32 bytes

So if Keccak 256 ("") Gas = 30

So if 11 11 ("abc") Gas = 36

So if 11 11 ("words 1 32") Gas = 42

b) if you remove only Before (bidding End), participants could submit bids after the bidding porced has ended which can hinder the integrity of the blind action.

c) Fake bids are used to ensure that the bidders reveal the same amount they initially committed.

d) in the reveal method: it's used to return the bid amount to the bidder except the higgst bidder

in the withdraw method: it's used to return the excess funds to the bidden ofter they were the thickion. excess = funds of highest - second highest

and then with draw which can cost more gas overall

3) a) 1. Producer deploys the contract

2. Donors corter but to the contract (total Conation + = devote vale)

3. if tetal Coralors > = funct\_amount show the recording

4. public Redease() only called internally

insure deck donations modifier before public Release()

and producer can cheat and not call the public Relevan

(3 b) 1. Produce deploys Contract & recording
2. Buyers pay the Price access the recording
3. Creck if a buyer is eligible to access the recording
4. Exclusive reveal to eligible buyers
5. Ensure only publish to buyers · Producor can cleat and not show to the buyers. I acknowledge that I am aware of the academic integrity guidelines of this course, and that I worked on this assignment independently without any on unauthorized help. عوال مهرز عادل