Dutch Auction

Steps:

51 pragma

32 intesface IERC721

53 contract

sy variables

65 constructor (Assigning initialising raxs)

56 functions

S1: Pragma

pragna solidity 0.8.26;

S2: Intesface

interface IERC721 2
function transfertion (
address _to,
address _nftId

) external;

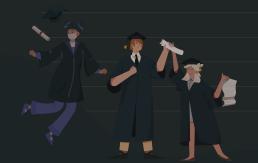
3

53: contract

Create contract DutchAuction ? 3
mention DURATION = 7 days;

IERC721 nft; ? public

uint nftId; Simmutable





S4: Variables

Seller, 3 address, poyable, public Starting Price, 2 uint StartAt, 5 public End At, 5 immutable Discount Rate

S5: Constructor

constructor (

uint _StartingPrice,

uint _Discount Rate,

oddress _nft,

uint _nftId,

) {\(\)

seller = payable (msy. sender);

SP = _SP;

SA = b.t;

EA = b.t. + DURATON;

DR = _DR;

require ()

nft = IERC721 (_nft)

nftId = _nftId;

}





S6: Functions

1> getPrice() public view seturns (uint) ?

time Elapsed = b.t. - SA;
discount = DR * time Elapsed;
return SP-discount;

2) buy () external payable &
require (b.t. < EA, "Auction Expired");

uint Price = getPrice();

require (msq. value >= price, "ETH < price");



