Lecz if length too long. -> str 2 if str £ 280: CSC148 - Object-Oriented Design Considerations Ex: controlling tracet length Recall our Tweet class: Think through what the 3 states class Tweet: """A tweet, like in Twitter. you look like for this representation === Attributes === invariant. Which do you prefer? content: the contents of the tweet. Is it the same preference you had for keeping likes = 0? userid: the id of the user who wrote the tweet. created_at: the date the tweet was written. likes: the number of likes this tweet has received. Shatey 2. no precondition on n # Attribute types content: str ignove bad numbers . if n >0: userid: str created_at: date self. likes += n likes: int def __init__(self, who: str, when: date, what: str) -> None: _update docsring """Initialize a new Tweet. self.userid = who self.content = what self.created_at = when def like(self, (n: int)) -> None: """Record the fact that this tweet received <n> likes. · no precondition These likes are in addition to the ones <self> already has. · self. likes += abs(n) self.likes += n def edit(self, new_content: str) -> None: · update docstring """Replace the contents of this tweet with the new message. self.content = new_content according to Twitter. 1. Write code that creates a tweet called misbehaved that is in some way nonsensical. There are at least two ways to do this. amisbehaved = Tweet ('G', date (2022, 1,21), 'meow' + 1000) b) mis2 = Tweet ('G', date(2022,1,21), 'meow') mis2. like (-96) 2. Describe a property (something that should be true) that your misbehaved instance has violated. a) prevent a touth toolog a) len(content) == 280. representation invariant b) prevent negotile likes b) likes >= 0. 134 apply You may be able to thich of others 3. Modify the Tweet class above to prevent your methods from violating this property. See notes above for our 3 options.