Last night, I was using ChatGPT to generate some questions for this CTF. However, he gave me the following output as a problem. The output also contained the flag, but I removed it. Can you retrieve it?

Here is a sample CTF problem that involves Base32 encoding and decoding:

Title: Base32 Breakout

Description:

We have intercepted a message that was encoded using Base32 encoding. Your task is to decode the message and find the flag.

Ciphertext:

Hint: The flag format is "CTF{flag}".

Solution:

The first step is to decode the Base32 encoded ciphertext using a Base32 decoder. After decoding the ciphertext, you will get a message that is in the format of "CTF{flag}". Extract the flag from the message and submit it to get the points.

Note:

- Make sure that the decoded message is in utf-8 encoded, if not you may have to decode the bytes to utf-8 string.
- There is padding in the encoded message, you may have to remove the padding before decoding.

This is a simple problem, but it requires a basic understanding of Base32 encoding and decoding to solve. It can be used as a beginner-level problem in a CTF competition or challenge.