The Chaotic Binger's Longest Streak

You are tracking your friend's chaotic binge-watching habits. They don't always watch episodes in order, sometimes skipping episodes or jumping between different shows. Your task is to determine the longest streak of consecutive episodes they watched in the correct order, regardless of the order in which the episodes appear in the log.

Example:
A) Watched Episodes: [100, 4, 200, 1, 3, 2, 5, 8, 6, 7]
B) Longest Proper Binge: [1, 2, 3, 4, 5, 6, 7, 8]

```python
episodes=str(input("Enter space separated list of
episodes.")).strip().split()
episodes_watched=[int(x) for x in episodes]
episodes_watched.sort()
temp=episodes_watched
episodes_watched=[]
length=len(temp)
for i in range(0,length):
    if(temp[i] not in episodes_watched):
        episodes_watched.append(temp[i])
longest_binge=[]
binge=[]
length=len(episodes_watched)
for i in range(0,length-1):
    if(episodes_watched[i+1]-episodes_watched[i]==1):
        binge.append(episodes_watched[i])
        if(i==length-2):
            binge.append(episodes_watched[i+1])
        continue
    else:
        if(len(binge)>=len(longest_binge)):
            binge.append(episodes_watched[i])
            longest_binge=[]
            longest_binge=binge
    binge=[]
if(len(binge)>=len(longest_binge)):
            longest_binge=[]
            longest_binge=binge
if(len(episodes_watched)==1):
    longest_binge=episodes_watched
print(longest_binge)
```

```
adityayadav@Adityas-MacBook-Air-4 / % /usr/local/bin/python3 /Users/adityayadav/Documents/VIT/python/codes/binge.py
Enter space separated list of episodes.21
[21]
adityayadav@Adityas-MacBook-Air-4 / % /usr/local/bin/python3 /Users/adityayadav/Documents/VIT/python/codes/binge.py
Enter space separated list of episodes.
[]
adityayadav@Adityas-MacBook-Air-4 / % /usr/local/bin/python3 /Users/adityayadav/Documents/VIT/python/codes/binge.py
Enter space separated list of episodes.1 2 3 4 5
[1, 2, 3, 4, 5]
adityayadav@Adityas-MacBook-Air-4 / % /usr/local/bin/python3 /Users/adityayadav/Documents/VIT/python/codes/binge.py
Enter space separated list of episodes.5 4 3 2 1
[1, 2, 3, 4, 5]
adityayadav@Adityas-MacBook-Air-4 / % /usr/local/bin/python3 /Users/adityayadav/Documents/VIT/python/codes/binge.py
Enter space separated list of episodes.40 130 1020 501
[40]
adityayadav@Adityas-MacBook-Air-4 / % /usr/local/bin/python3 /Users/adityayadav/Documents/VIT/python/codes/binge.py
Enter space separated list of episodes.100 4 200 1 3 2
[1, 2, 3, 4]

adityayadav@Adityas-MacBook-Air-4 / % /usr/local/bin/python3 /Users/adityayadav/Documents/VIT/python/codes/binge.py
Enter space separated list of episodes.10 5 12 6 7 11
[10, 11, 12]
adityayadav@Adityas-MacBook-Air-4 / % /usr/local/bin/python3 /Users/adityayadav/Documents/VIT/python/codes/binge.py
Enter space separated list of episodes.1 2 3 10 11 12 13 14
[10, 11, 12, 13, 14]
adityayadav@Adityas-MacBook-Air-4 / % /usr/local/bin/python3 /Users/adityayadav/Documents/VIT/python/codes/binge.py
Enter space separated list of episodes.3 4 3 1 2 3 4 5 5
[1, 2, 3, 4, 5]
adityayadav@Adityas-MacBook-Air-4 / % /usr/local/bin/python3 /Users/adityayadav/Documents/VIT/python/codes/binge.py
Enter space separated list of episodes.0 -1 1 -2 5 6
[-2, -1, 0, 1]
```