CINEXÍN, EL CINE SIN FIN

LINK A MUESTRA DE VIDEO:

https://vimeo.com/348689677

PROGRAMA:

```python
import sys
import os
from moviepy.editor import VideoFileClip, concatenate_videoclips
from random import randint, random
from math import floor

input_file="tfg.mov"
output_file="out"
totaldur=8
iniClip=VideoFileClip(input_file)

def main(output_file):
    total=60
    for num in range(0, total):
        genera(output_file+str(num)+".mp4")
    clips=[]
    for num in range(0, total):
        clips.append(VideoFileClip(output_file+str(num)+".mp4"))

    final_clip= concatenate_videoclips(clips)
    final_clip.write_videofile(output_file+".mp4", threads=4)

    for num in range(0, total):
        os.remove(output_file+str(num)+".mp4")



def genera(nombre):
    duration=randint(3,7)
    start = random()*(iniClip.duration-duration)
    finalClip = iniClip.subclip(start, start+duration)

    while finalClip.duration<totaldur:
        duration=randint(3,7)
        start = random()*(iniClip.duration-duration)
        finalClip = concatenate_videoclips([finalClip, iniClip.subclip(start, start+duration)],
method="compose")
```

```python
    finalClip.write_videofile(nombre, threads=4)
    print("\n\n\nEl video "+nombre+" esta guardado.\n\n\n")



main(output_file)
```