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**SCAV**  
**Seminar 3:Streaming**

**Exercise 1**

To convert the videos in the different codecs i have done the transform () function that is in the seminar.py script

**Exercise 2**

In this exercise I have created a grid with 4 videos codified with different video codecs. As it can be seen both VP8 and VP9 videos look similar (VP8 top left and VP9 bottom left). In this case I have used a 360:240 resolution. To speed up the process of transforming the video codec, the differences are not clearly appreciated, but it is noticeable that these two codecs produce a result with worse definition. It is especially noticeable in the tail of the character that appears in the scene



As for the h265 and av1 we do have slightly better results in terms of color. That is, if at least in this resolution the difference between the AV1 and the h265 is not very big but we would increase the resolution, we would surely see an improvement in color in the AV1 compared to the h265.

**Exercise 3**

In this exercise i have streamed the video of alfredo duro in halloween



Video source: <https://www.youtube.com/watch?v=orOcQ8zj8pU>