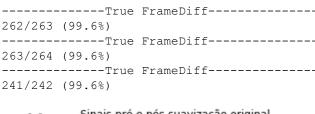
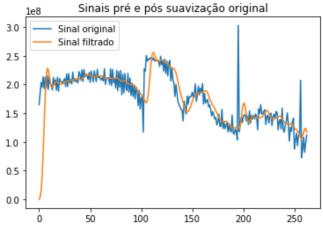
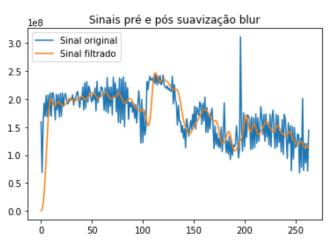
Análise Algoritmo Frame Diff

Plotar assinatura pura X filtrada

```
In [12]: for i, v in videos.items():
    plt.figure(i)
    fingerprint = framediff.run(v)
    ass = dY(fingerprint)
    ass_lowpass = util.butter_lowpass_filter(ass, 3.5, 30.0)
    plt.title("Sinais pré e pós suavização {}".format(i))
    plt.plot(ass, label="Sinal original")
    plt.plot(ass_lowpass, label="Sinal filtrado")
    plt.legend()
```









Original X Cópia + Distorção

```
In [13]: for i, v in videos.items():
    fingerprint = framediff.run(v)
    ass = dY(fingerprint)
    ass_lowpass = util.butter_lowpass_filter(ass, 3.5, 30.0)
    plt.plot(ass_lowpass, label=i)

plt.title("Sinais original e distorcido")
plt.legend()
plt.show()
```

```
-----True FrameDiff------
262/263 (99.6%)
-----True FrameDiff-----
263/264 (99.6%)
-----True FrameDiff-----
241/242 (99.6%)
```

