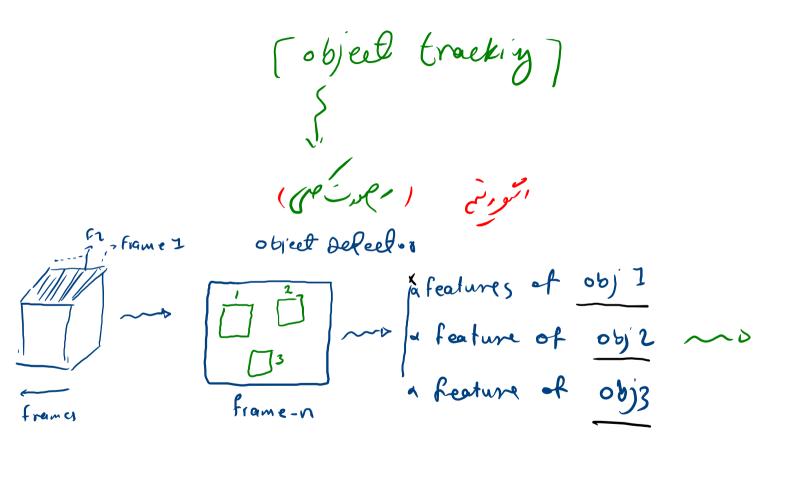
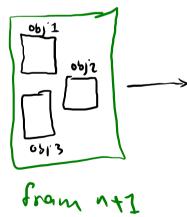
Object Krackma

(اندان سر م فیرای مور ار می و بدار و در و)



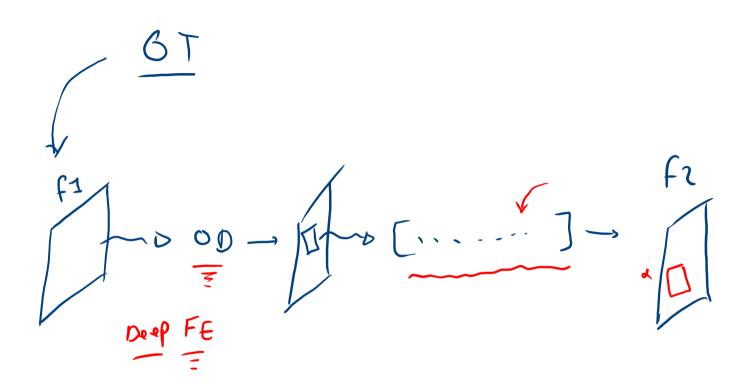


VGG

VGG

SIFT | Kalmen. یه آرازشی و بخشی را را نفاع در آلف اسف را شی مسه خل - بی ترای اسف را بی اسف را بی است و العمال با بیدار المال ا merbline Joseph (nocking) Next ROY p'in!

Region of Interest.



Deeport

OE mean shift Deeps. It Deep SORT MOVIM Euc Difference ored. Detector Mahalanobis distance Hungarian Kalman X YOLOv4 Detection Deep Predict Assignment Appearance Descriptor . Object Detection Input Video Sequence Association Metrics Multi-Object Tracking predicted position. 06)1 position of objs.) fram 1 - > OD DAVB ~ (ost BB 061'01 BA

Deep Appearence Deseriptor. f1 \rightarrow [a,b,(, ...] \rightarrow [a-a']? + ...

f2 \rightarrow [a',b',(', ...] \rightarrow 1) object (le frame] elis) object i irrivet a ! Culframe?

predicted position.

nent position

nent position

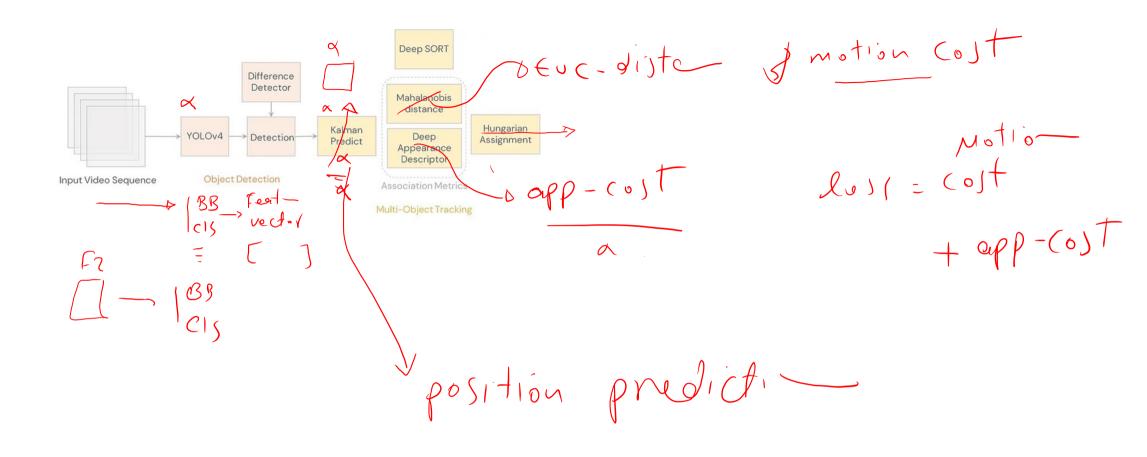
prediction

prediction

prediction

actual Rosit

prediction cist shift shift motion cost predicted Frane 1 (X/, y//) aretual (4,-%,) ! no dis l'étrobject sis BB invités en motion Cest Duis, suppér object vivile . Appearance cost Orienobjeet (17 fram?



Position prediction

predict

F2

Mean Shift

D

1) 05/ 16/1 (1,3) (127) meanshift mer f2 mo (2,3) 0 (3,3) (31) (32) 1⁷ mean X = [X 1 + [x] +] x 0 + 2x 0 + 2x 3 + 7x 0 + 3x] + 3x 7 + 3x 1+1+3+1+2 0 mean X = 213 W2 (1,7) $\omega_3(1,3)$ Production (1x1+2x2+3x0+1x0+2x3+3x0+1x1+2x2+3x7 (meany = 2,6

$$\frac{f^2}{7} \rightarrow BB-center = (2,4)$$

$$\frac{1}{2\sqrt{2+1}} = \sqrt{(2-2)^{2}+(4-3)^{2}}$$

inference

yelov8 [] yelov8 [] Yelov8 [] Eov: 6