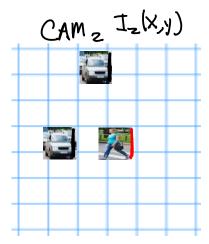


R= I, R+I2R+I3R; Prob(I)=1/6, Prob(Is)=1/6, Prob(Is)=1/2 Trob(R)= Prob(IR)+Prob(IZR)+Prob(IZR) = Prob(I) Prob(P/I)+ Prob(Iz) Prob(P/Iz) + Rob(Iz) Prob(P/I3)

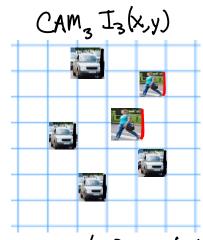




I, R: Prob(I) Prob(P/I)



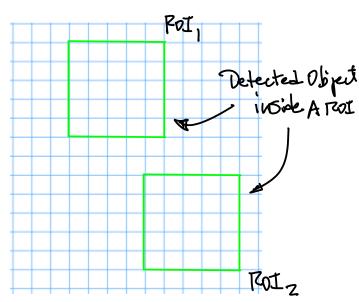
IzR: Prob (Iz) Prob (P/Iz)

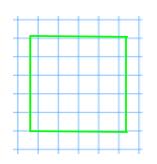


I3 R: Rob (I3) Prob (P/I3)

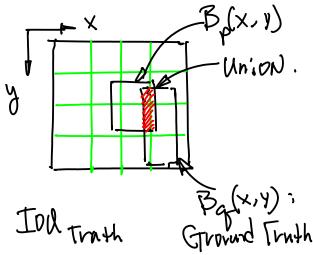
Decompose Egn (1) Above Consider Destection of A Class, e.g. A Car.

Trob(Class) Object) Trob(Object) = Trob (Class), or Trob (Class) = Trob(Class) Object) Trob(Object)

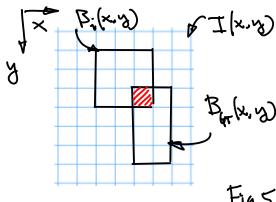




Frommy 258 Notes, April 8, 21 5. IOU (Intersection of Union)



Example: Illustration of IDV



Intersection of Union

IDN= Intersection

Union

ま;(ベッ) B_&~(ベッ) B;(ベッ)+B,(ベッ)ーま;(ベッ) B_&~(ベッ)

$$=\frac{1}{9+8-1}=\frac{1}{16}$$

(EnD)