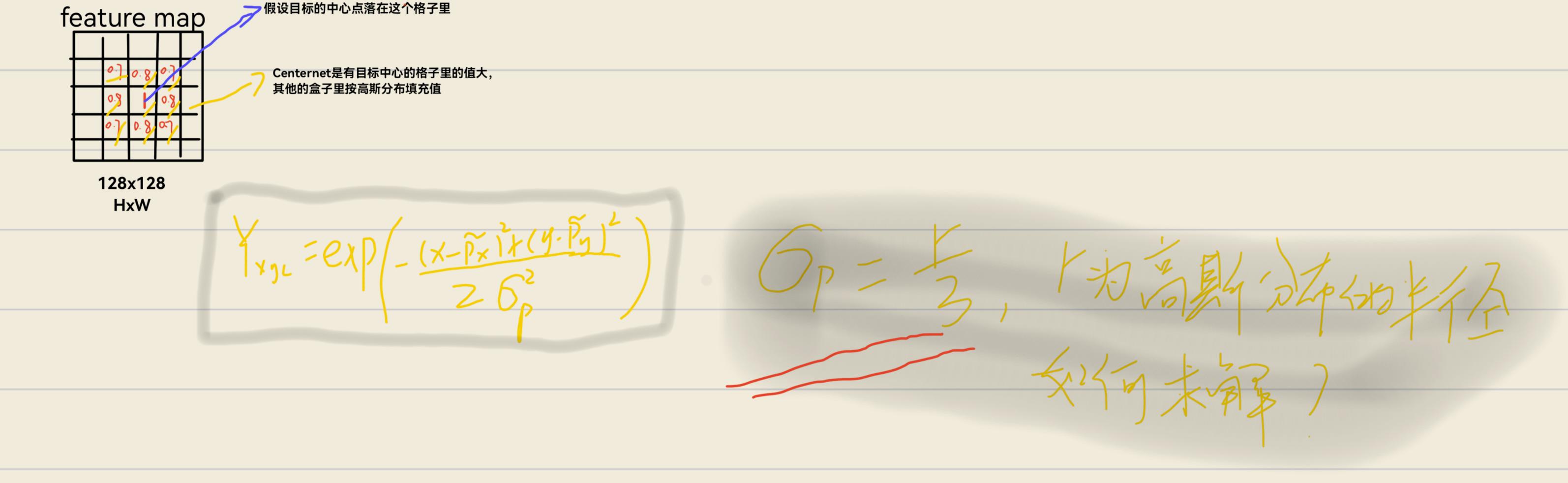
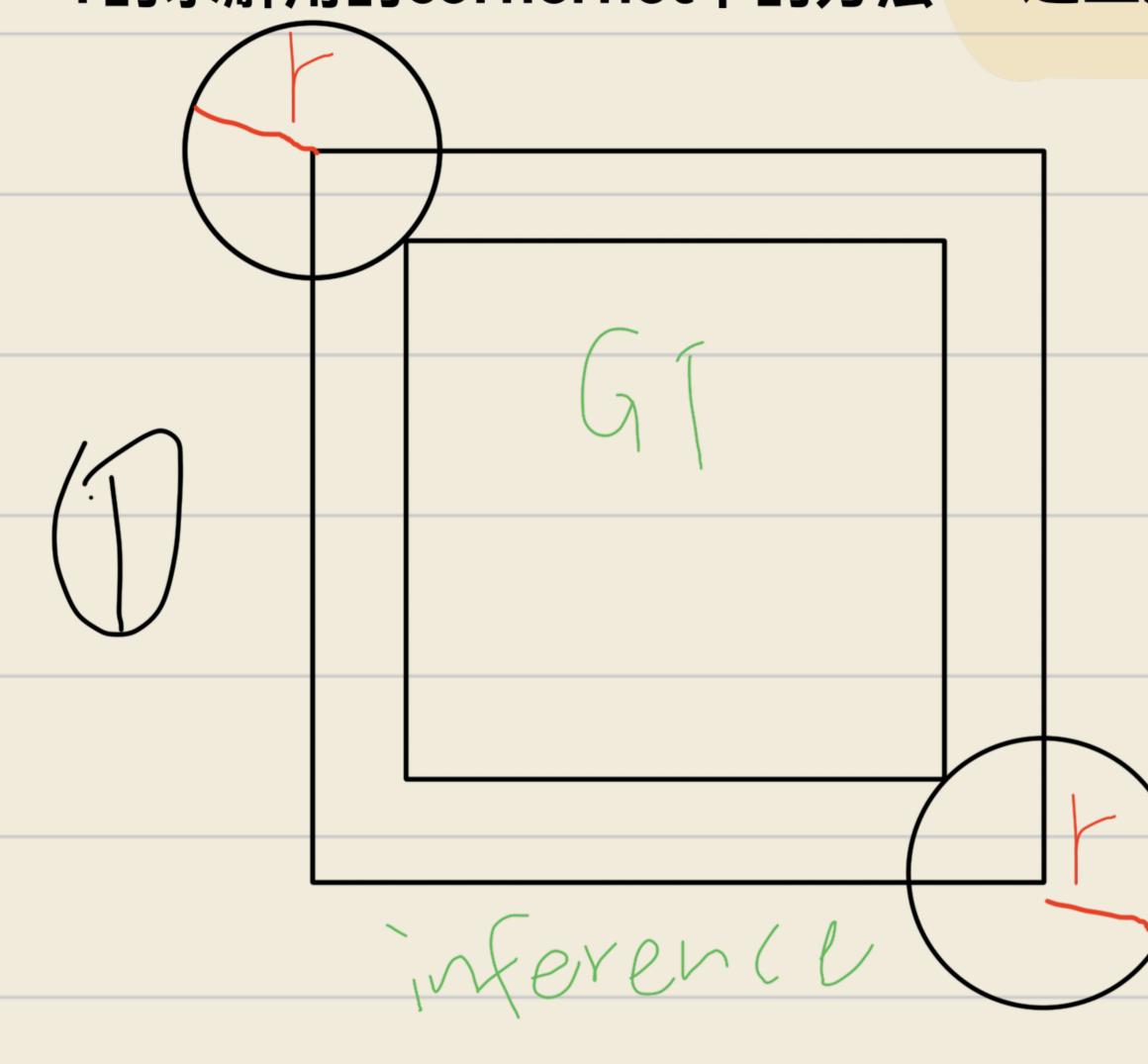


#### 1. heat map GT





Overlap = Wh (WH2+)(h+2+)

40 verlap. P2 + 2 overlap (h+w) / +(over/ap-1)hw=0

9-40Verlap b=2 over/ap(h+w) C=(buedap-1)hw

Overlap = (W-2r)(h-2r) 4r2-2(h1W)r+(1-overlap)hW=0 a=4 b-12 (h+w) C=(1-overlap)hw

Overlap= 1-1-1-1/(h-1) 2wh-(w-1)(h-1) 12-(how)/+ (1-verlap)hw-77 b - (h+w) 1年25年111 (= (1-overlap) hv Hoverlap ARA 1-12-400 17-401, 12-400 17

## heatmap loss

# 就是focalloss

### WH loss

$$(X_{i}^{(k)}, y_{i}^{(k)}, X_{i}^{(k)}, y_{i}^{(k)}, X_{i}^{(k)}, y_{i}^{(k)})$$

$$S_{k} = (X_{i}^{(k)} - X_{i}^{(k)}, y_{i}^{(k)} - y_{i}^{(k)})$$

$$L_{size} = \frac{1}{N} \sum_{k=1}^{N} |\hat{S}_{pk} - S_{k}|$$

Offset loss

$$(X, Y) \rightarrow (X, Y)$$

$$\underset{\text{off NRE}}{(X, Y)}$$

LAISet = 1/2 Smooth LILOSS (Dk, Ok)

### Train loss

Ldet = Lk+Nsize Llize + Offset Loffset Stre = 0 | Noff=