Prediction layer

CFE

FFB

Conv
c1,1x1,c1

Upsample
w1,h1

Conv
c2,1x1,c1

$C1*w1*h1$

$C2*w2*h2$

CFE

FFB

Conv
c1,1x1,c1

Upsample
w1,h1

Conv
c2,1x1,c1

$C1*w1*h1$

$C2*w2*h2$

Conv4_3

CFE

New_fc_7

CFE

Conv6_1

Conv6_2

Conv7_2

Conv8_2

Conv9_2

(a) CFENet

Prediction layer

CFE

CFE

CFE

CFE

(b) CFE-DSSD/CFE-RefineDet