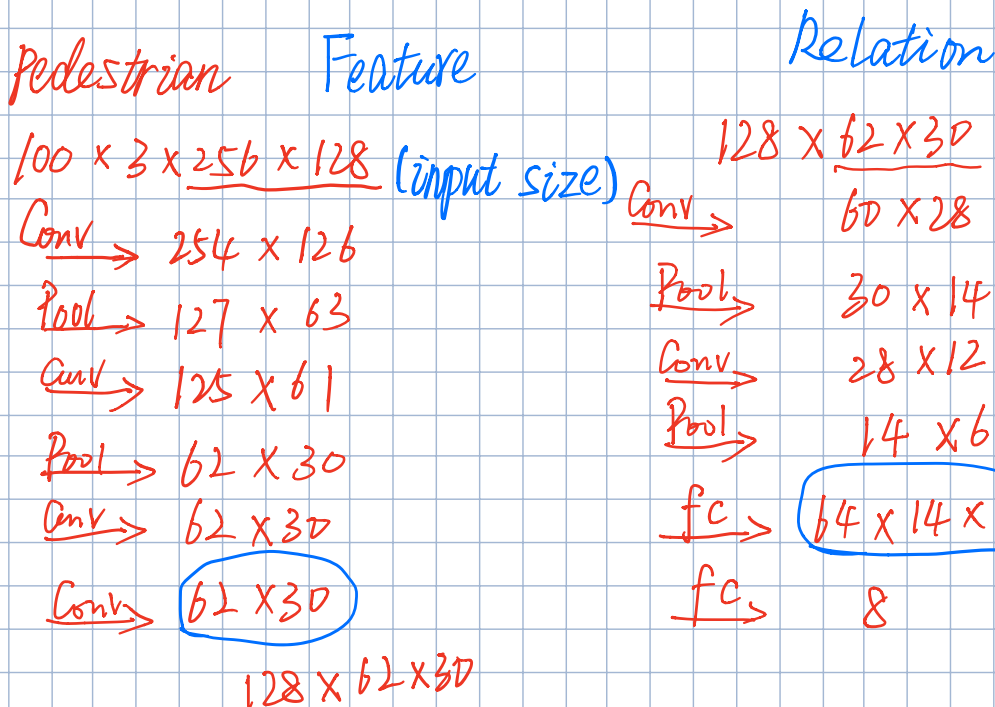
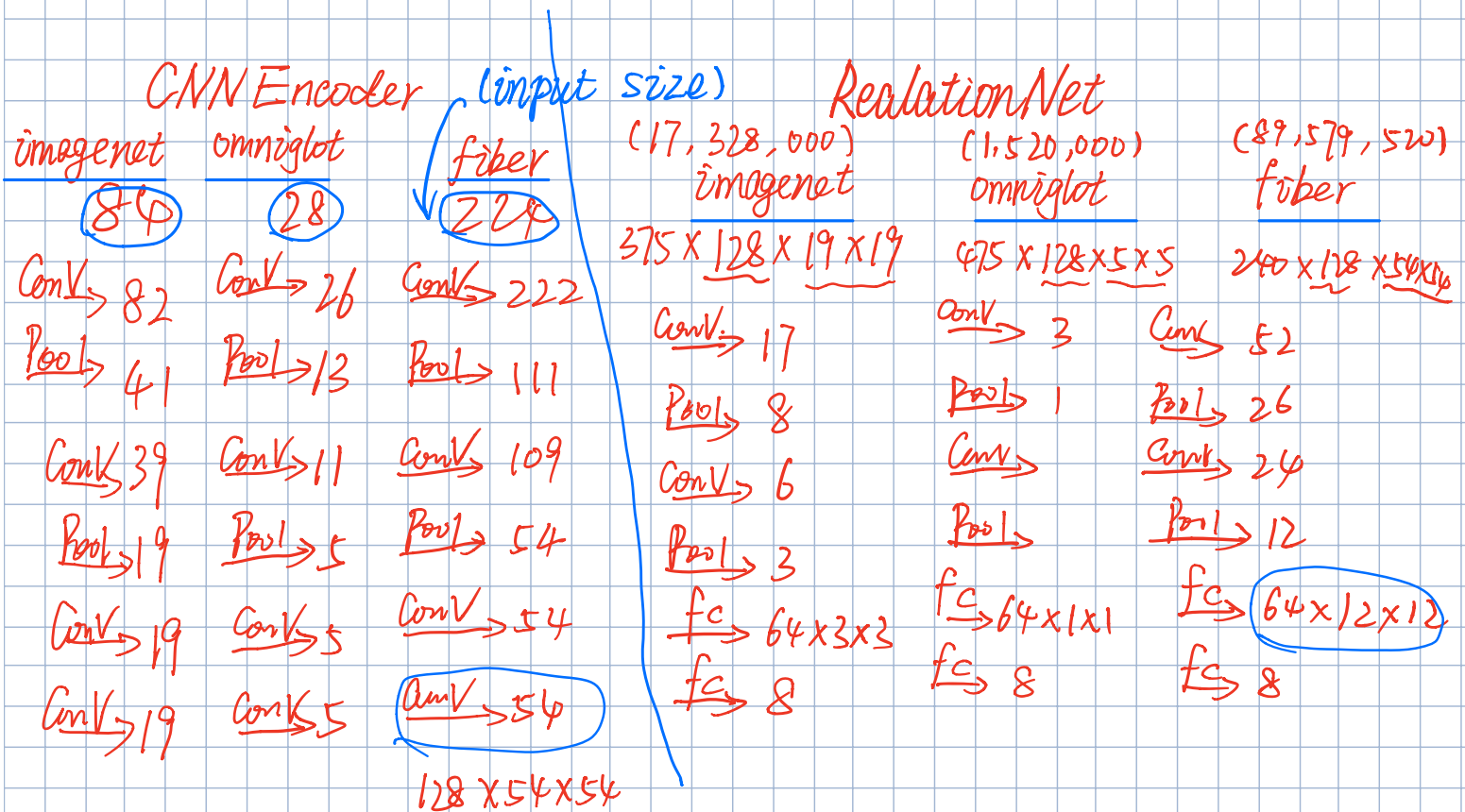


Network:



Fiber Results:

Way (classes) Shot (samples number each class)

Training : 4 way - 5 shot , 3 way - 3 shot $(15 \times 200,000 = 3,000,000)$

Testing : 3 way - 5 shot , 3 way - 3 shot

accuracy : 60 ~ 70% . $(15 \times 600 \times 10 = 90,000)$

Validation : train-set : 80 ~ 90% ,

test-set : 50 ~ 60% .

K-NN:

pre : (paper method)

3 x 20

sample : [class x sample, 64, 54, 54] [60, 64, 54, 54]

view \rightarrow [3, 20, 64, 54, 54] $\xrightarrow{\text{sum}(1)}$ [3, 64, 54, 54]

$\xrightarrow{\text{repeat (class x test)} \atop 3 \times 10}$ [30, 3, 64, 54, 54] add samples .

now : (do not add samples for k-NN)

3 x 20

[class x sample, 64, 54, 54] [60, 64, 54, 54]

$\xrightarrow{\text{repeat (class x test)} \atop 3 \times 10}$ [30, 60, 64, 54, 54]