



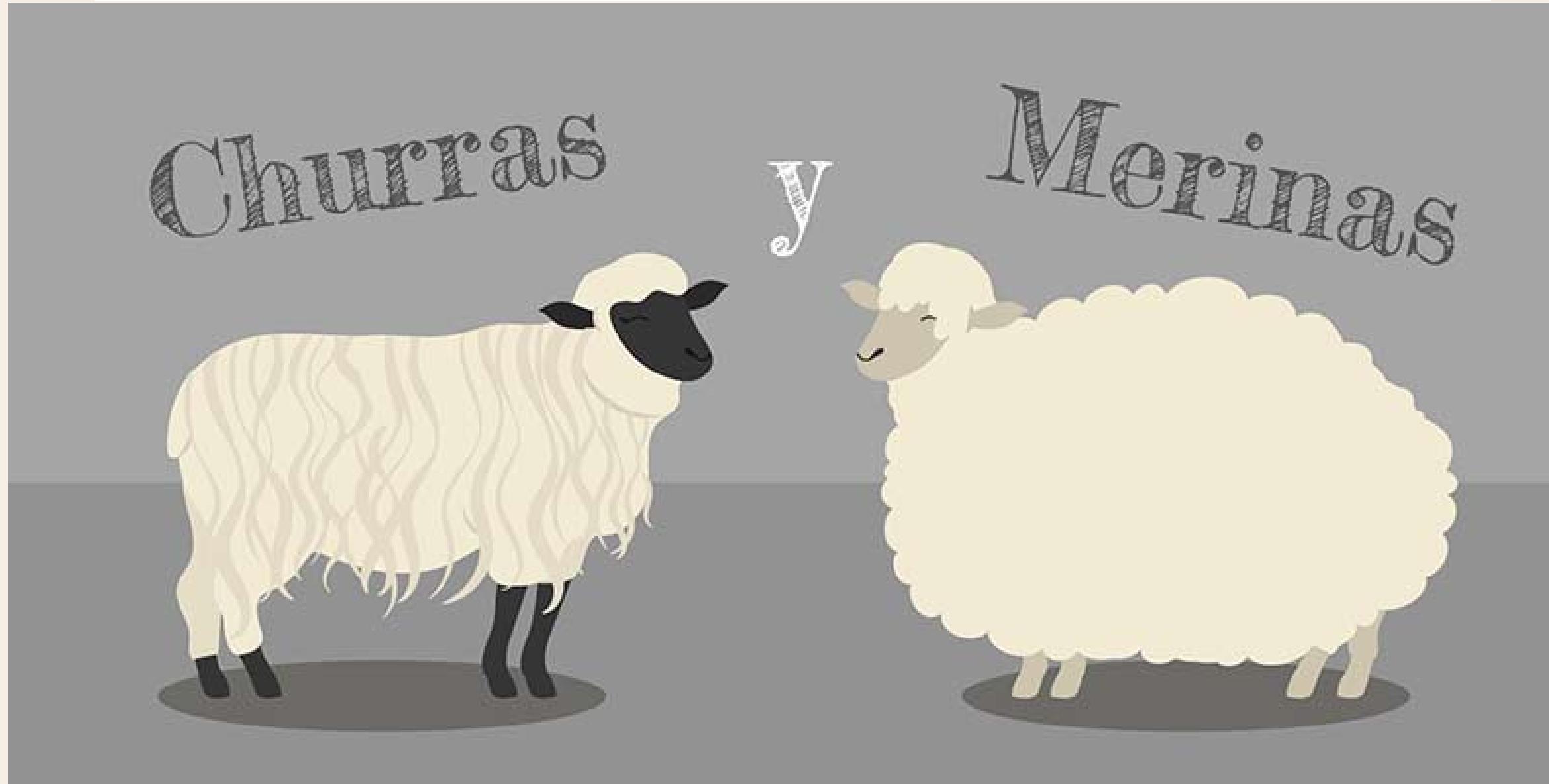
THE BRIDGE

NO mezclés churras con merinas

NUR ISHENALY

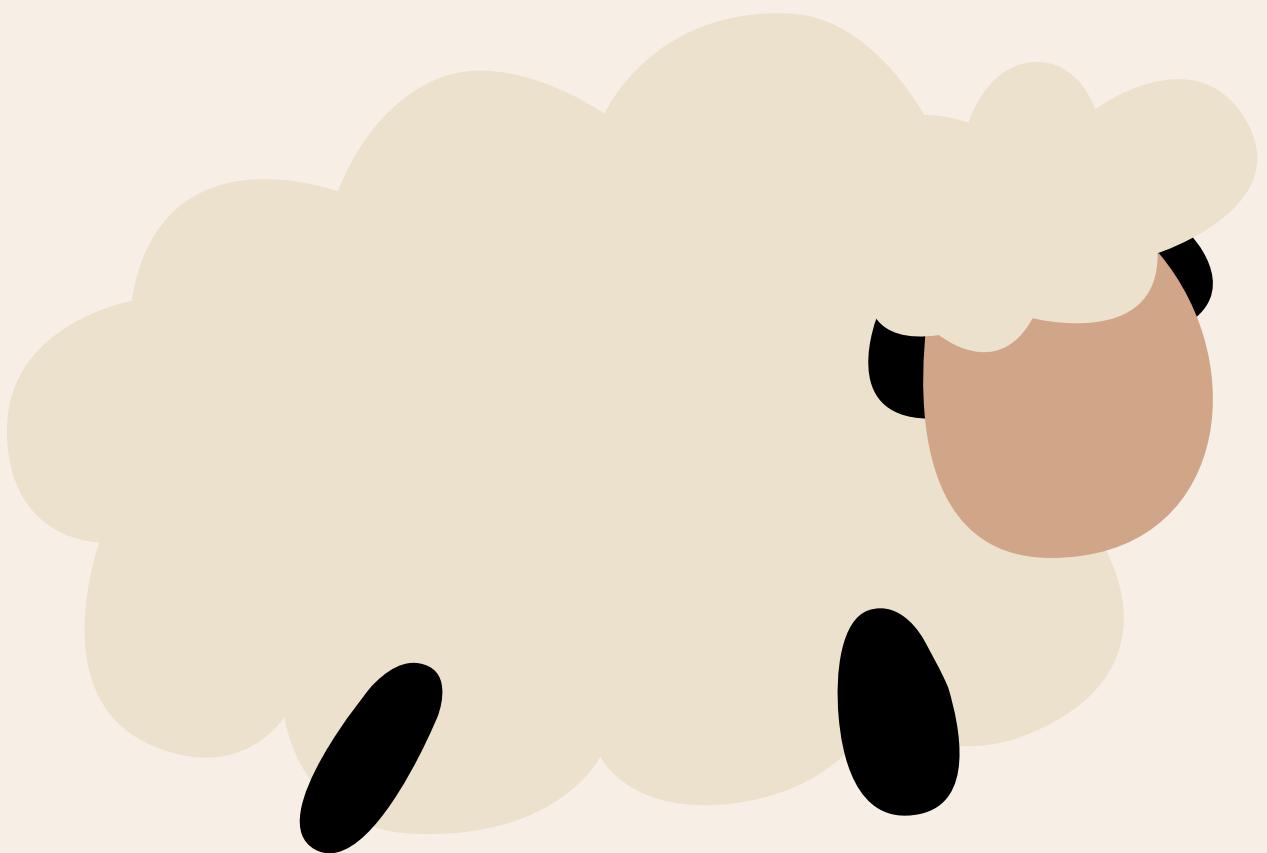
¿Qué significa?

"no mezclar churras con merinas" significa "confundir cosas o conceptos que no tienen nada que ver, aunque parezcan semejantes", según la definición que da Alberto Buitrago en su *Diccionario de dichos y frases hechas*.



Principal característica de cada raza

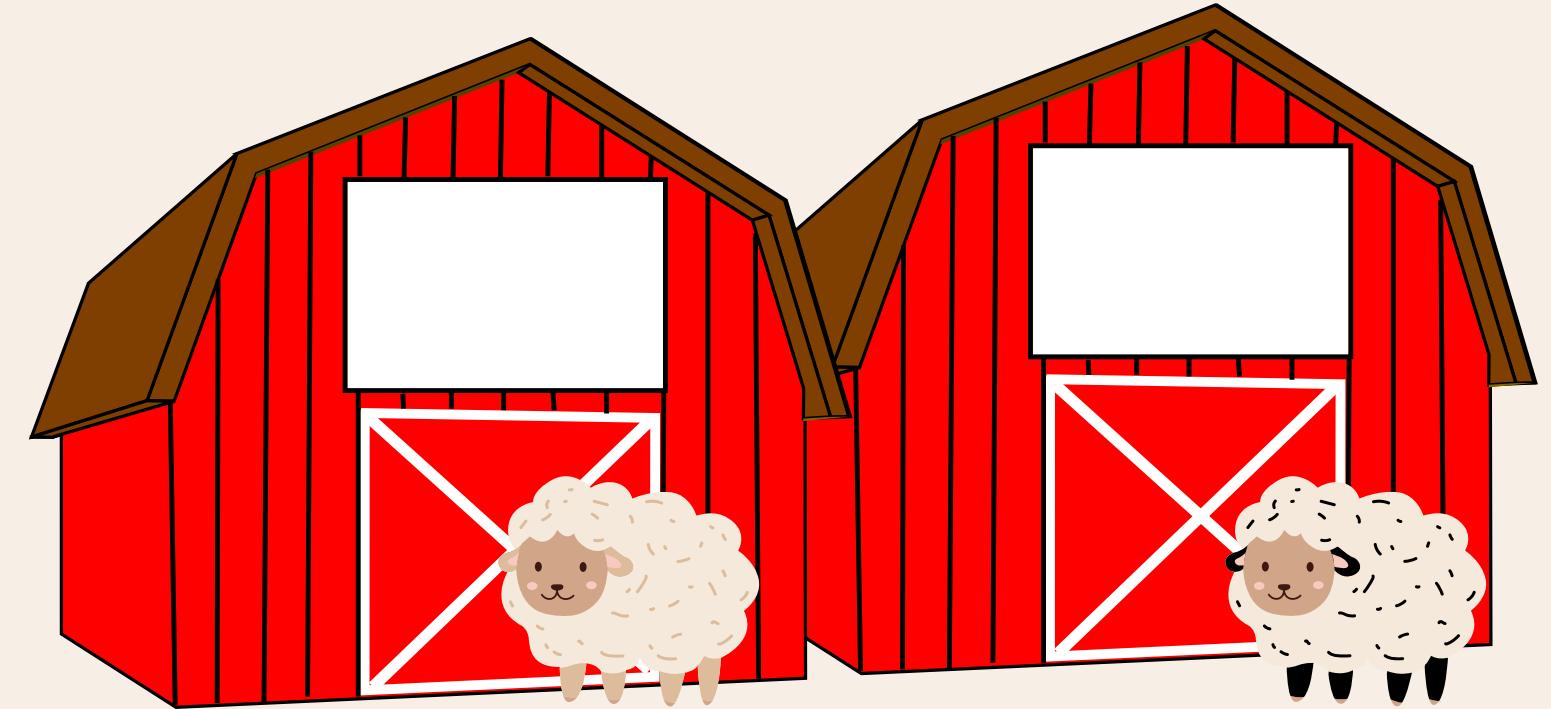
- Carne



- Lana



El problema de negocio

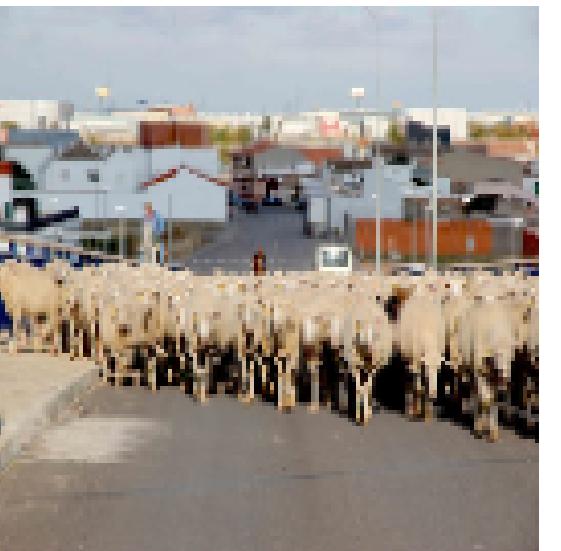


El problema

churra



merina



churra



merina



merina



merina



churra



churra



merina



merina



churra



churra



merina



merina



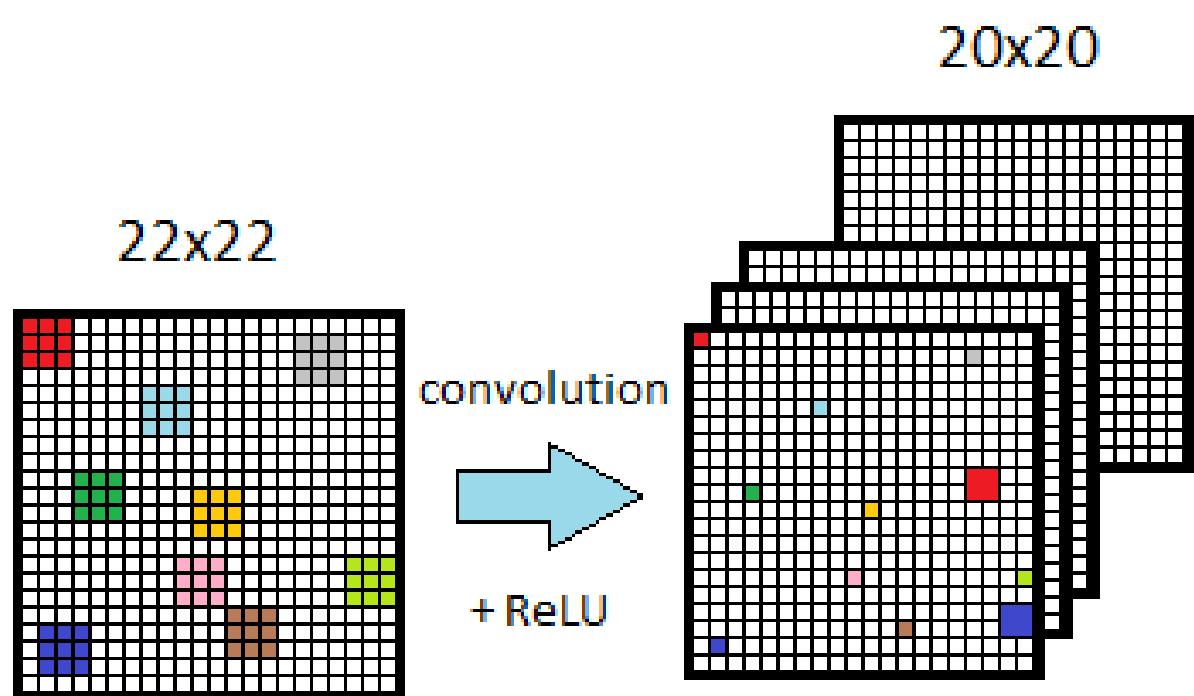
churra



El modelado

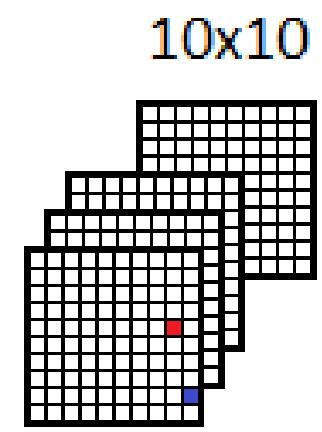
ENSAMBLADO DE O

BASELINE
RED SENCILLA

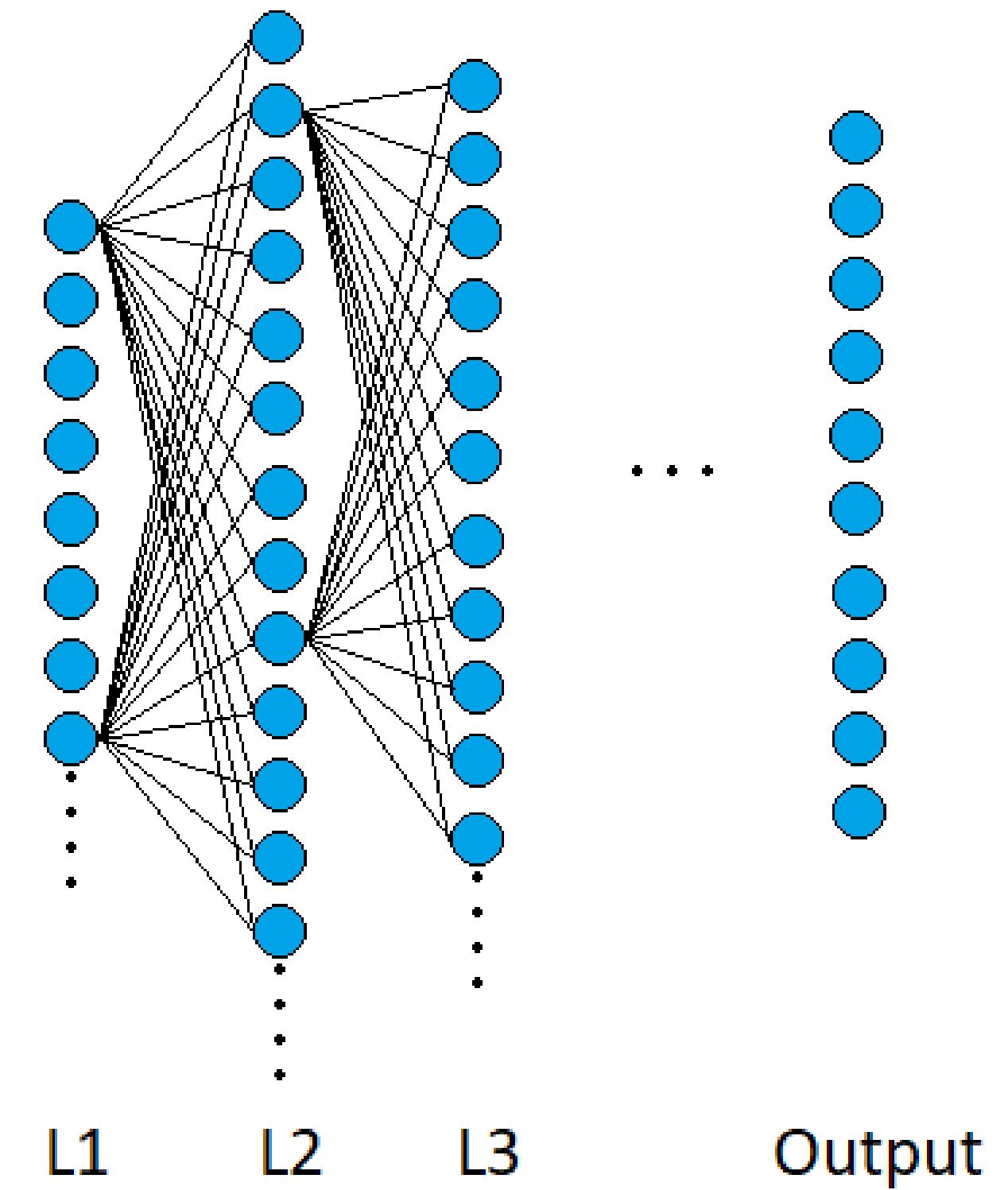


convolution
+ ReLU

max
pooling



Fully connected NN

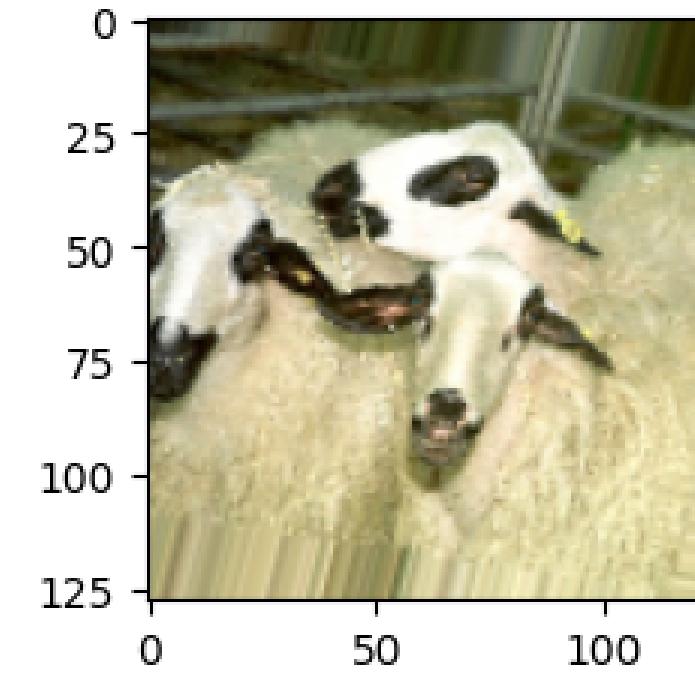
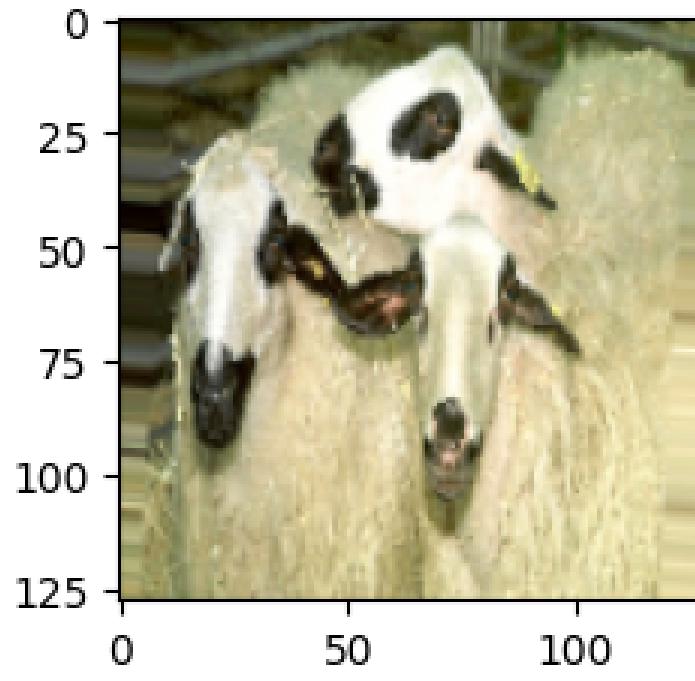
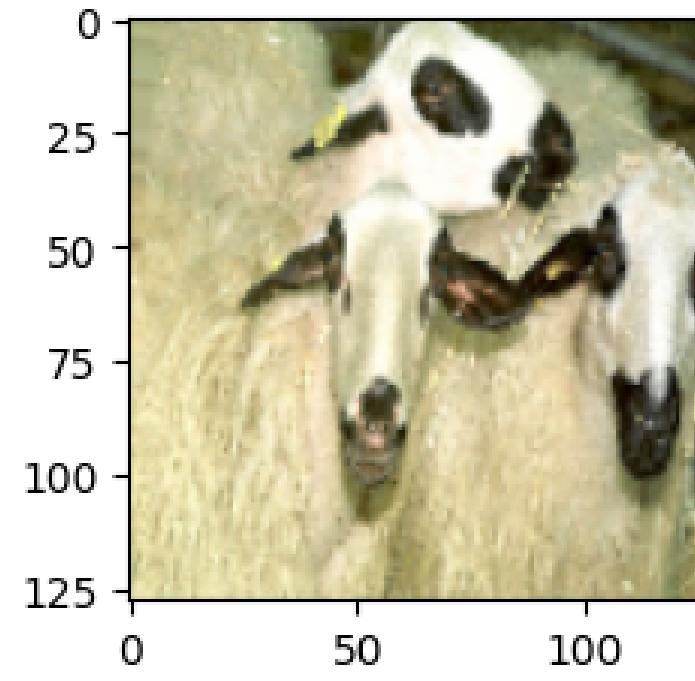
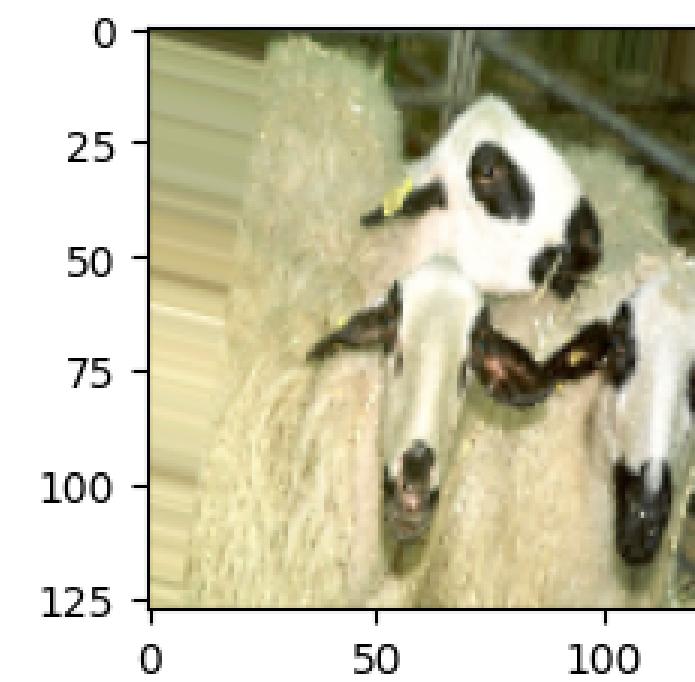
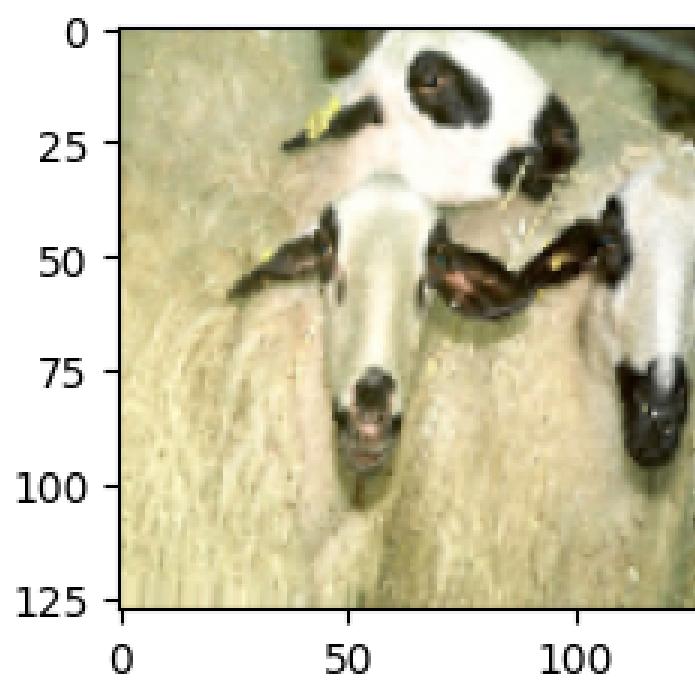
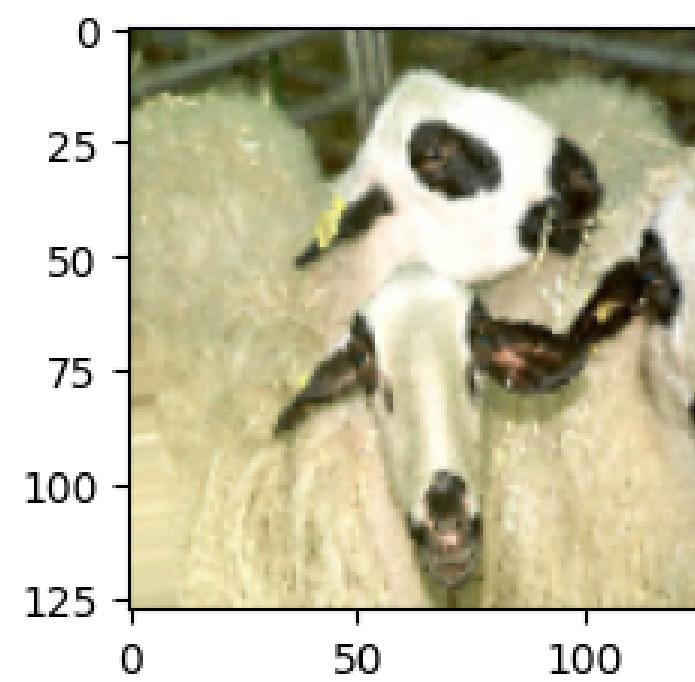
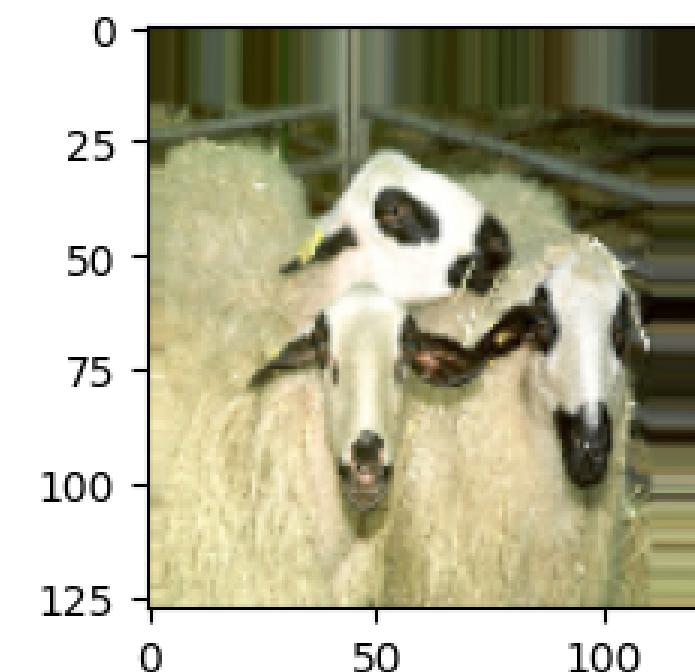
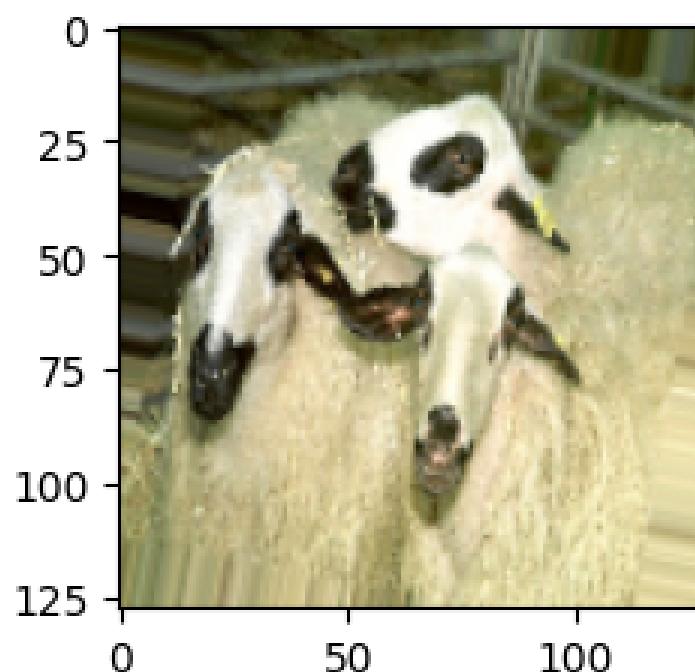
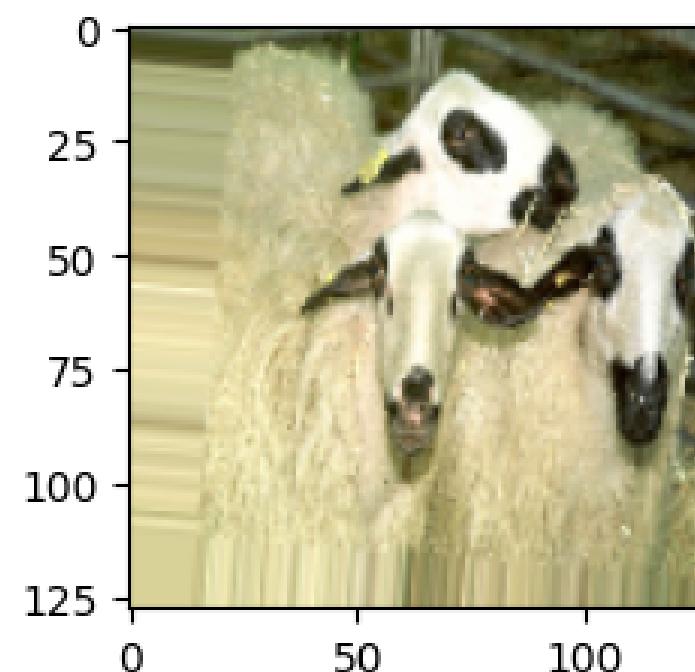


L1

L2

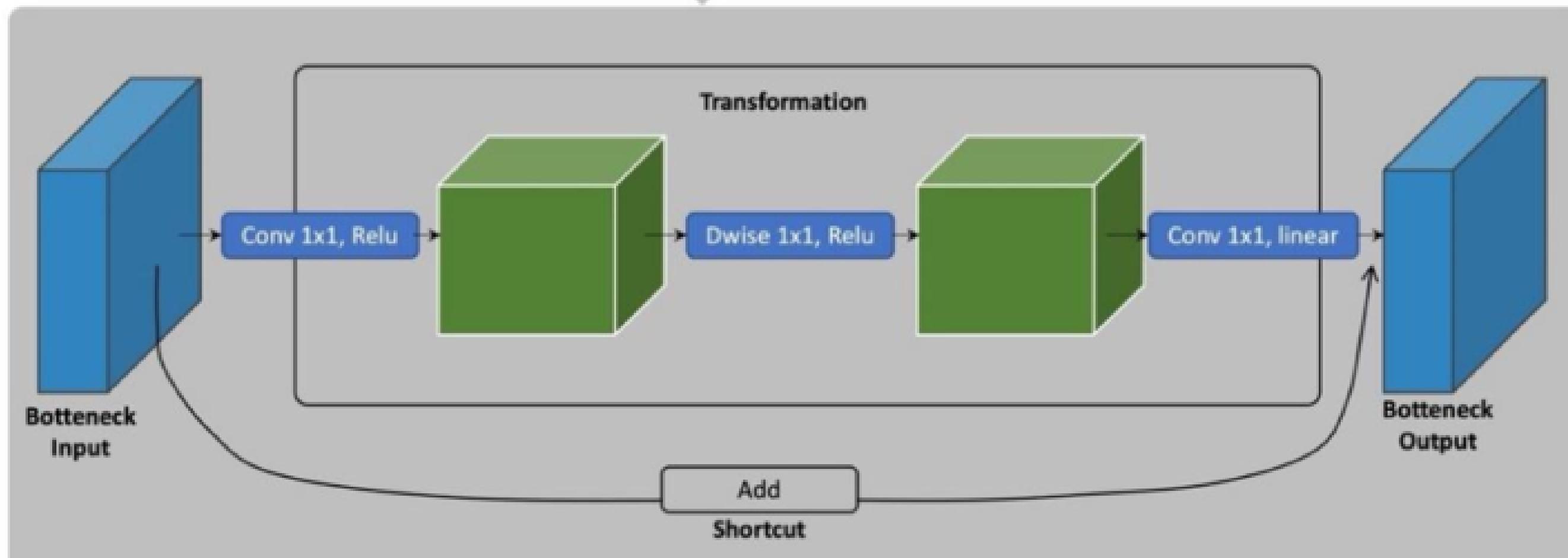
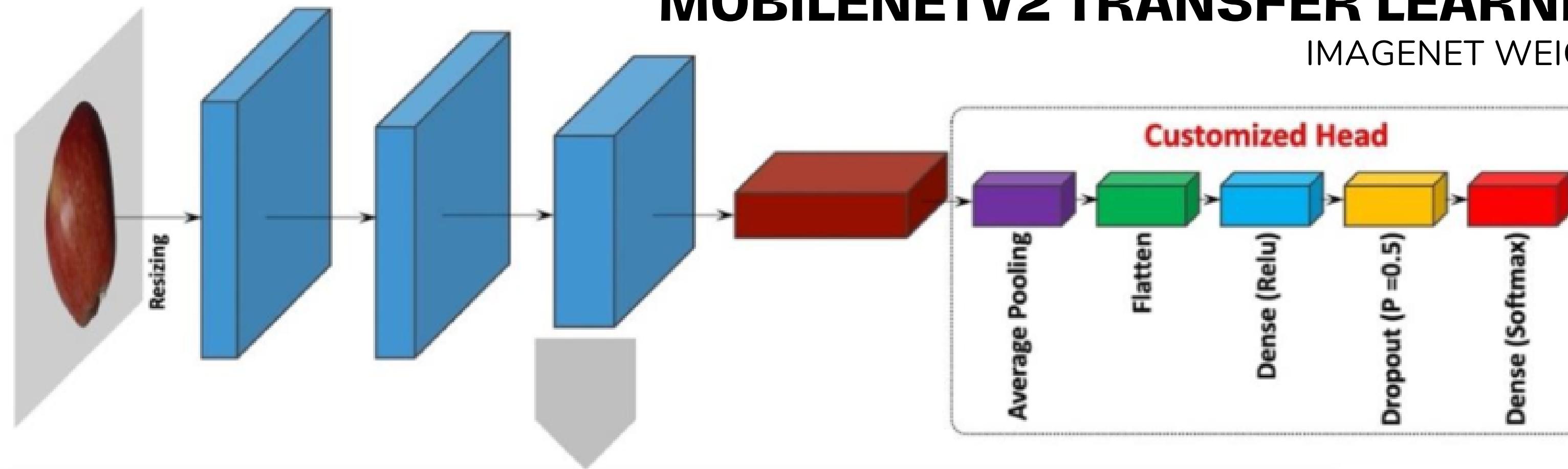
L3

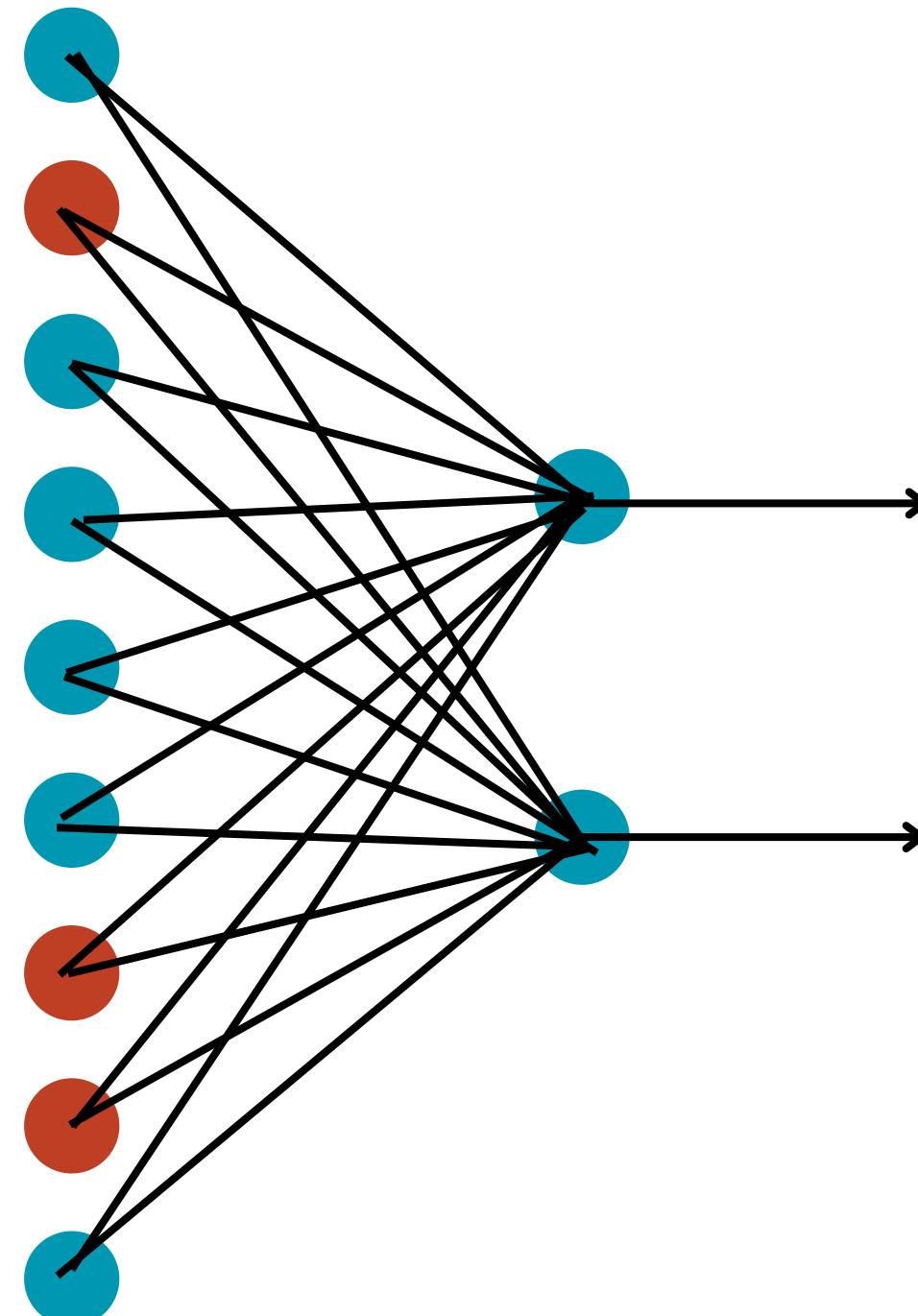
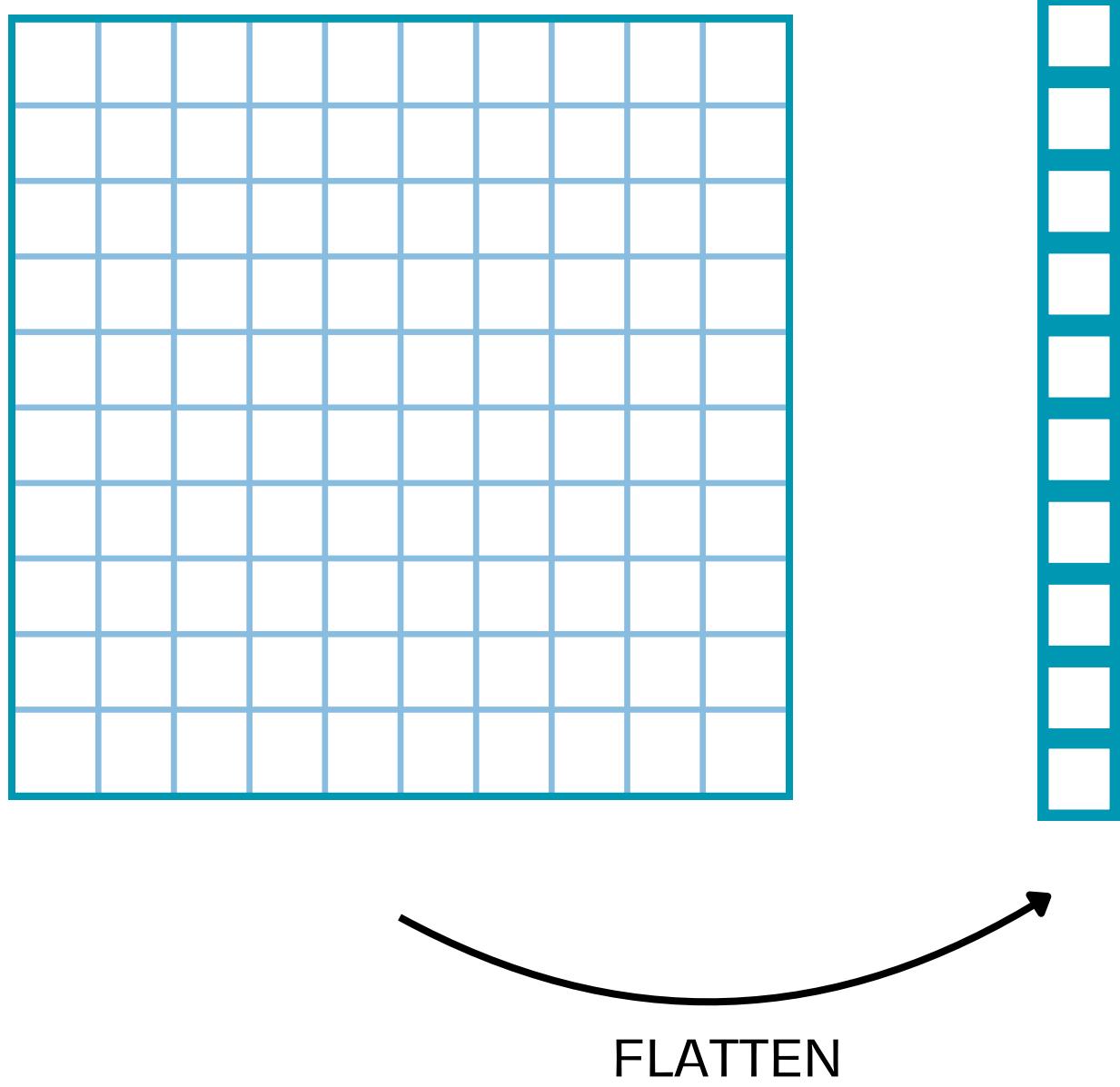
Output



MOBILENETV2 TRANSFER LEARNING

IMAGENET WEIGHTS





- 16384 U
- 0.5 DROPOUT

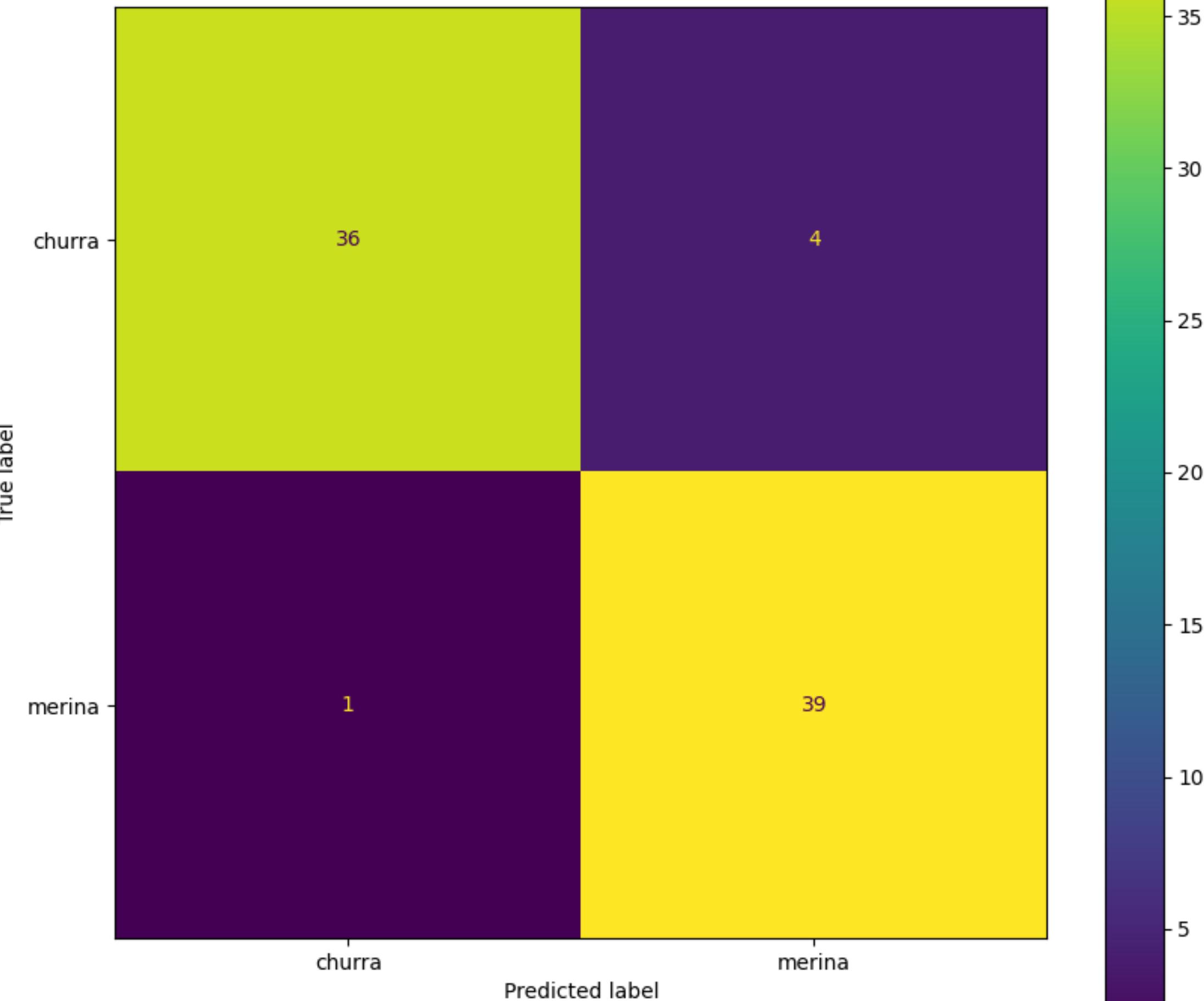
- 2 UNIDADES
- SOFTMAX

PROBABILIDAD DE SER
CHURRA O MERINA

Evaluación

EVALUACIÓN

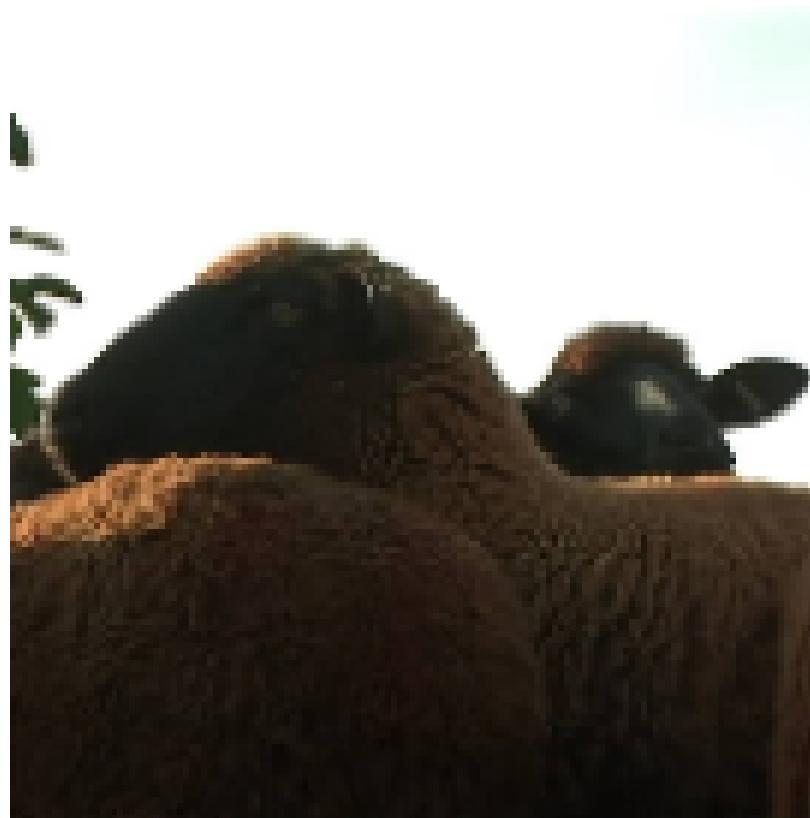
| | precision | recall | f1-score | support |
|--------------|-----------|--------|----------|---------|
| churra | 0.97 | 0.90 | 0.94 | 40 |
| merina | 0.91 | 0.97 | 0.94 | 40 |
| accuracy | | | 0.94 | 80 |
| macro avg | 0.94 | 0.94 | 0.94 | 80 |
| weighted avg | 0.94 | 0.94 | 0.94 | 80 |



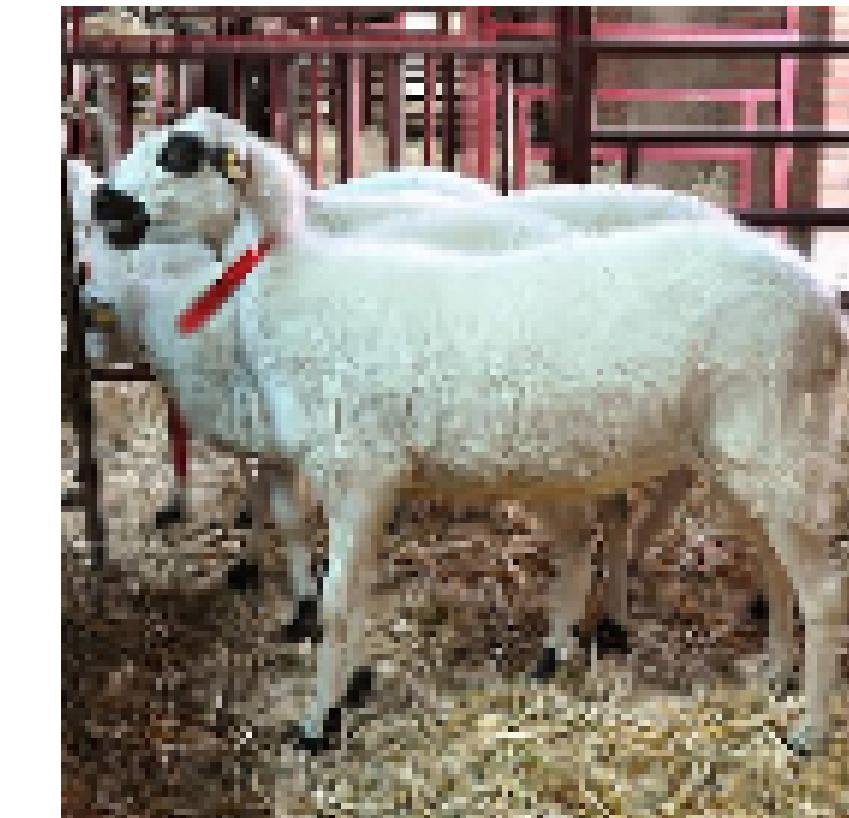
churra



merina



churra



churra



churra

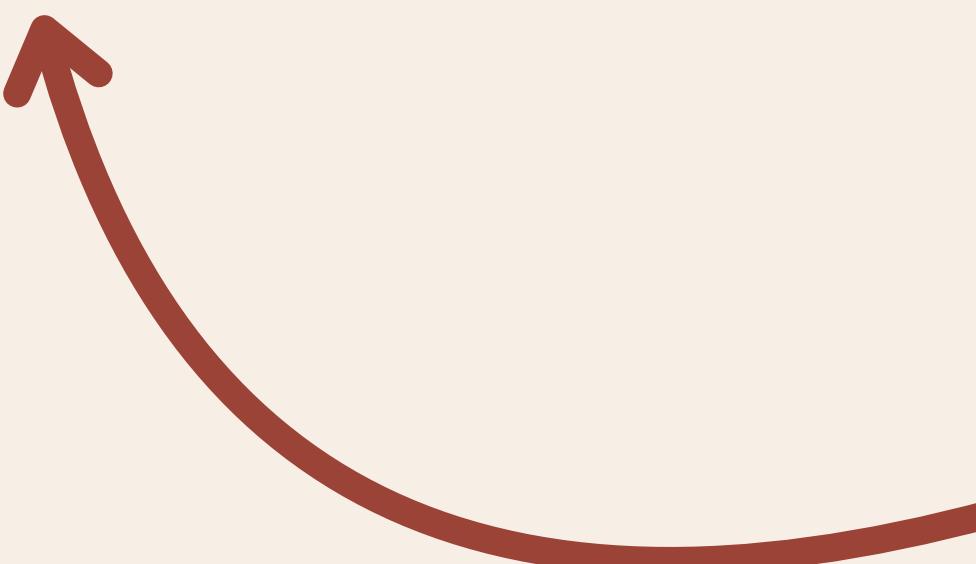


A scene from the animated movie "Shaun the Sheep". In the center, a black-faced sheep named Shaun is playing a small acoustic guitar. He is wearing a red and white checkered shirt. To his left, another sheep, Bitzer, is seen from behind, wearing a blue and white checkered shirt. To his right, a white-faced sheep, Mavis, is also wearing a blue and white checkered shirt. They are all standing in front of a brick wall. A speech bubble containing the word "CONCLUSIÓN" is overlaid on the upper left portion of the image.

CONCLUSIÓN

Cantidad de datos

- 146 churras
- 145 merinas



Overfitting

- accuracy perfecto