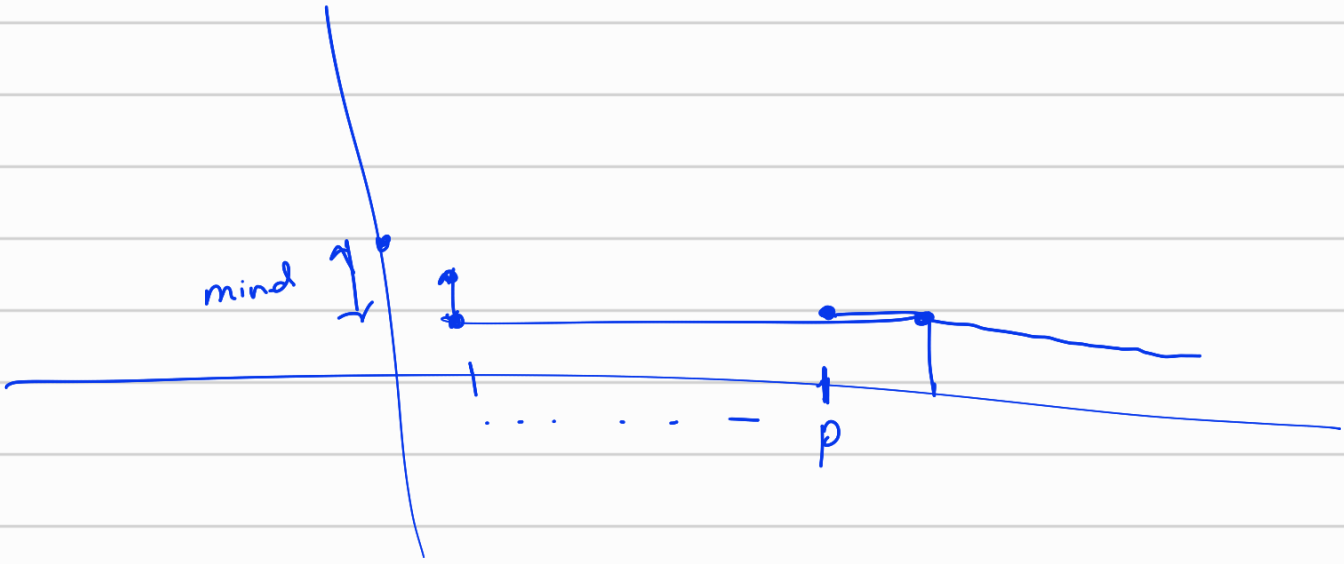
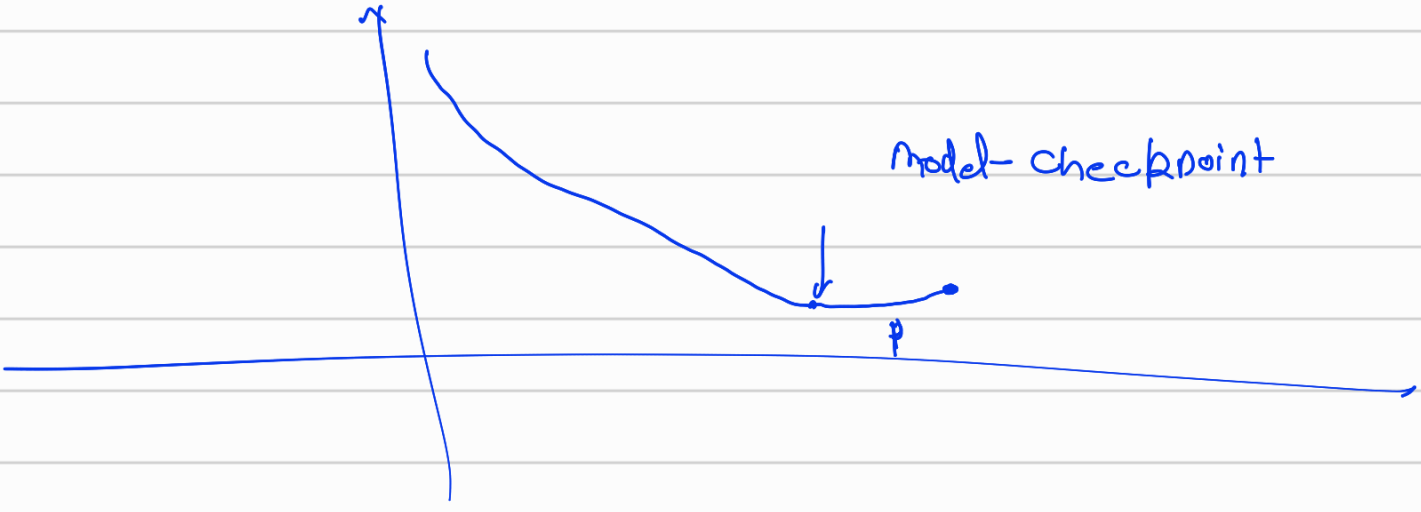
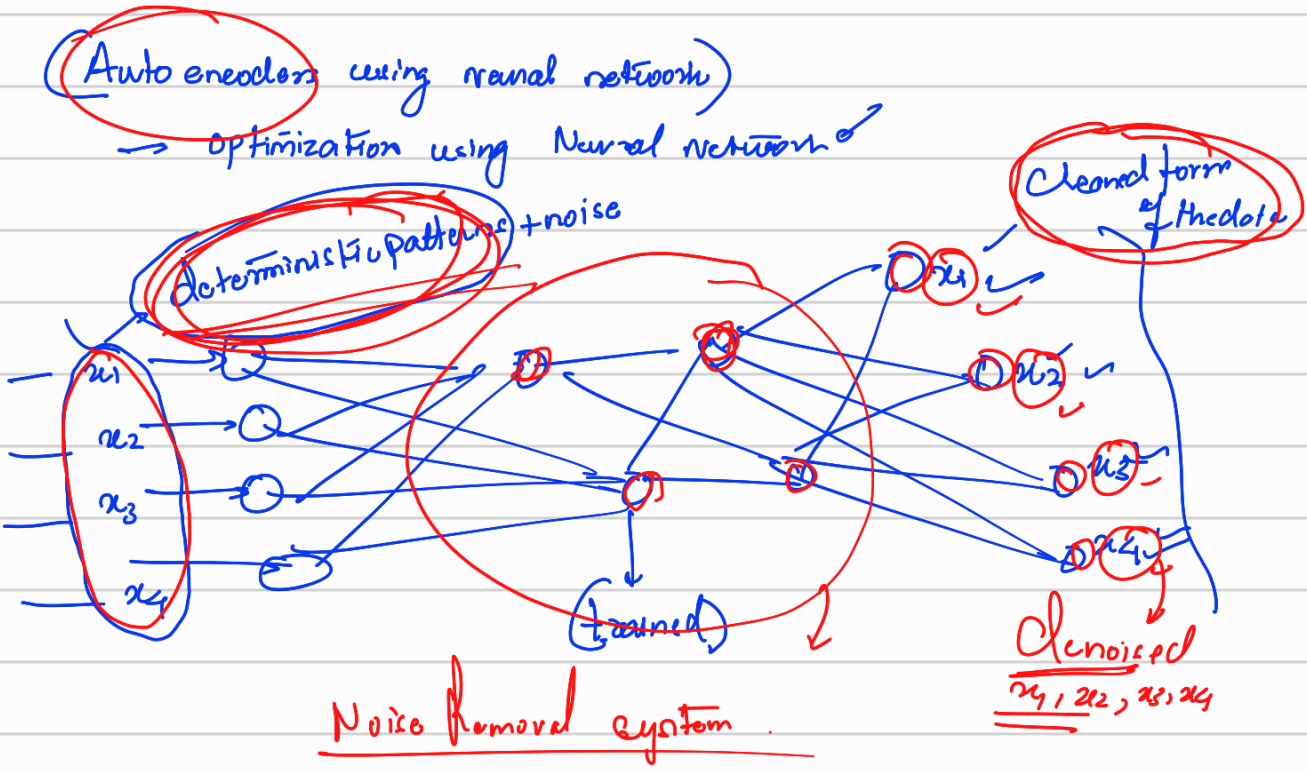


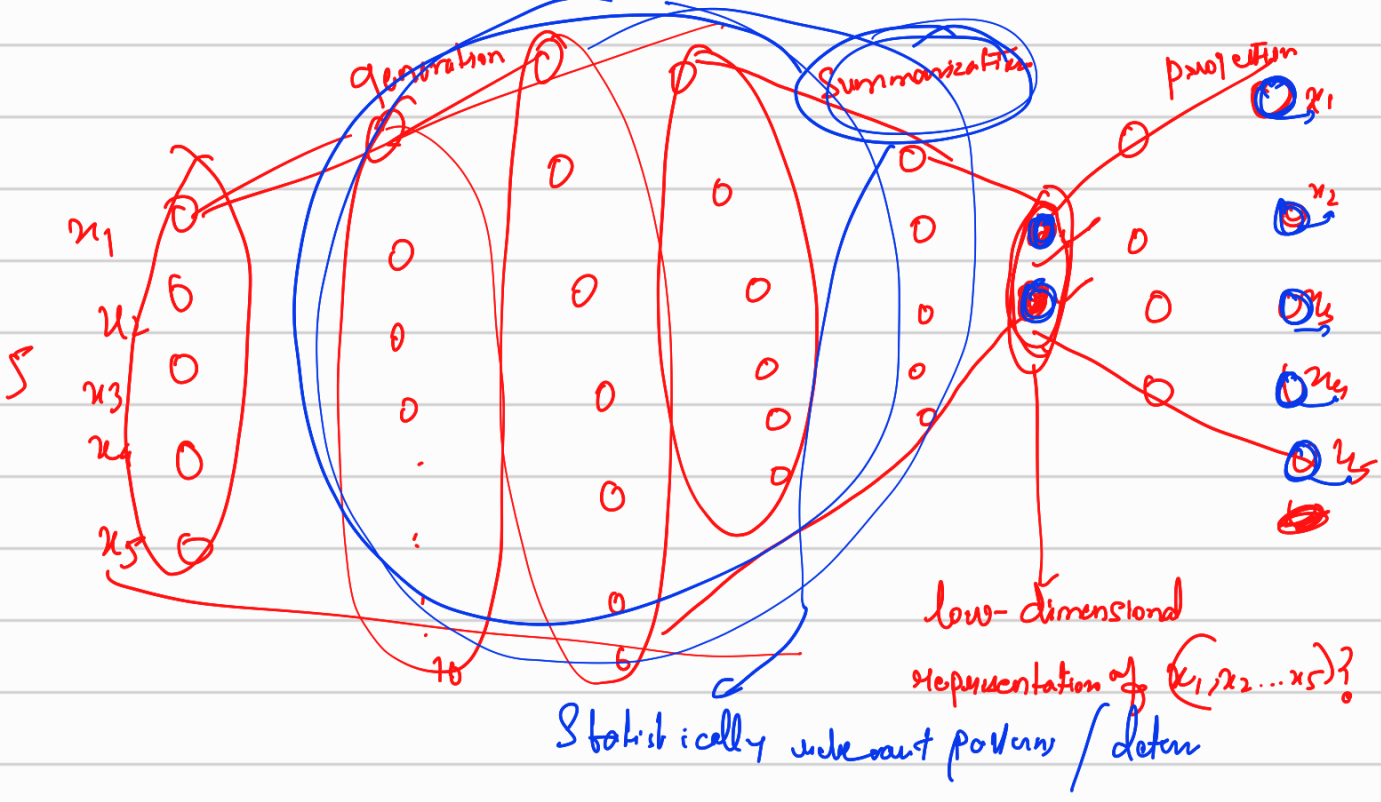


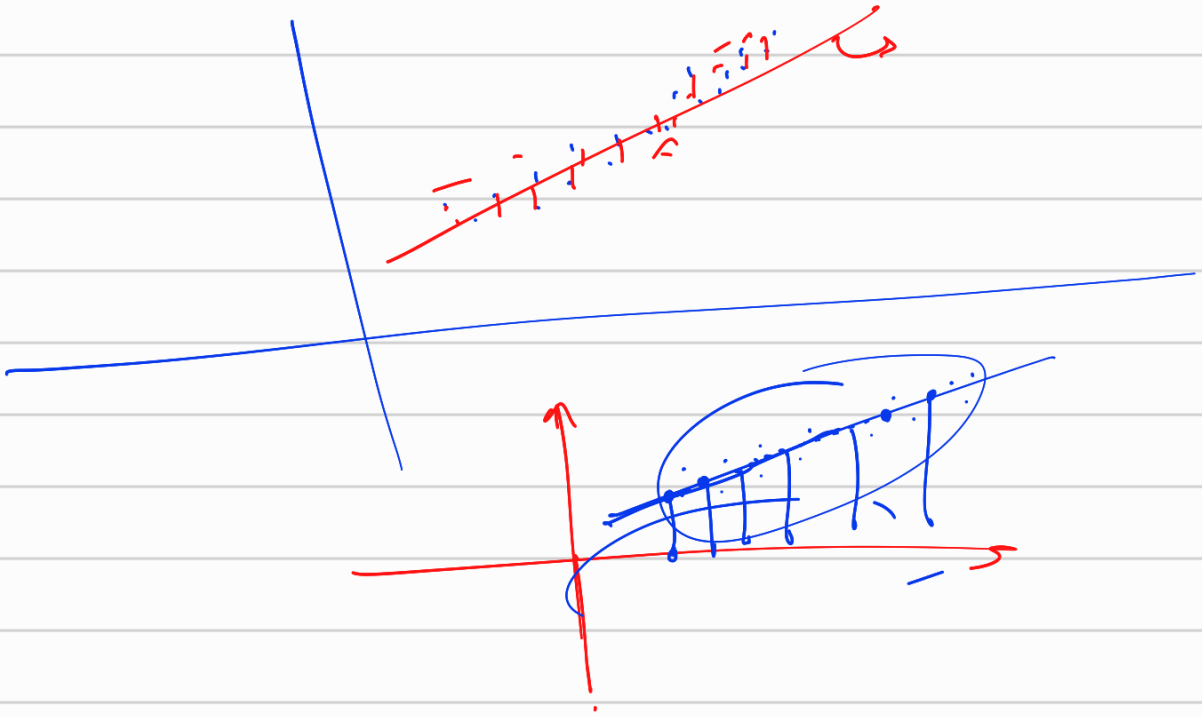
Auto encoders using neural network

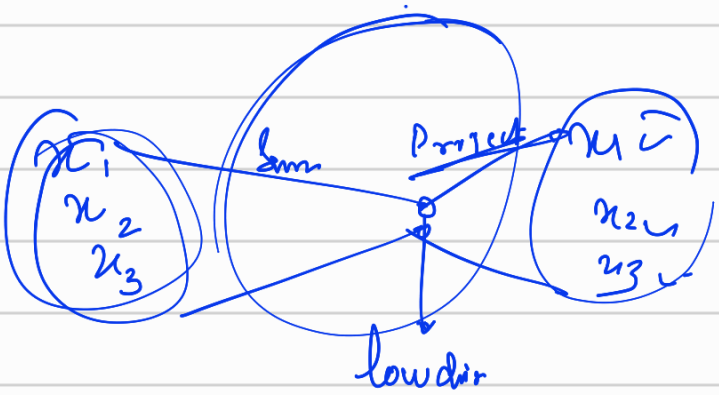
→ optimization using Neural network



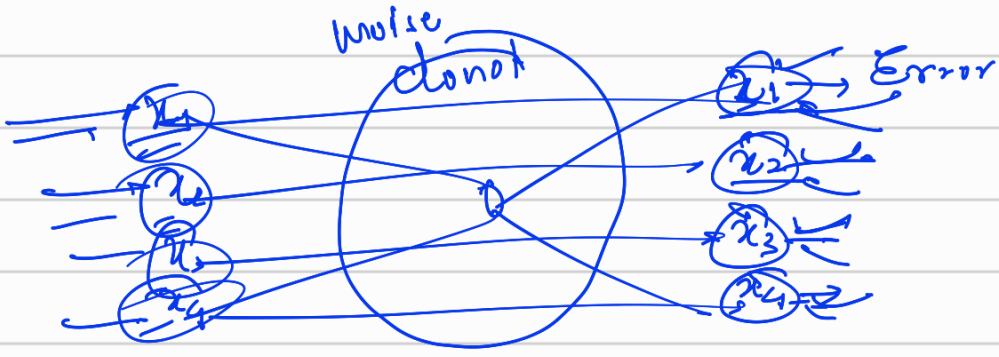
Noise Removal system.

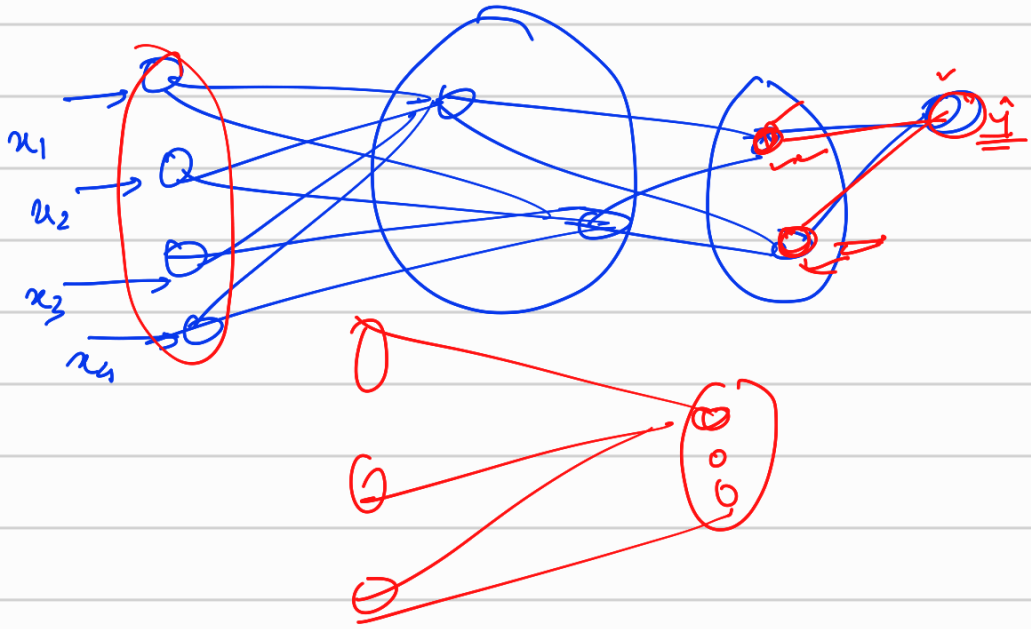

Summarization
projection
low-dimensional
representation of $(x_1, x_2 \ldots x_5)$?
Statistically relevant patterns / detection

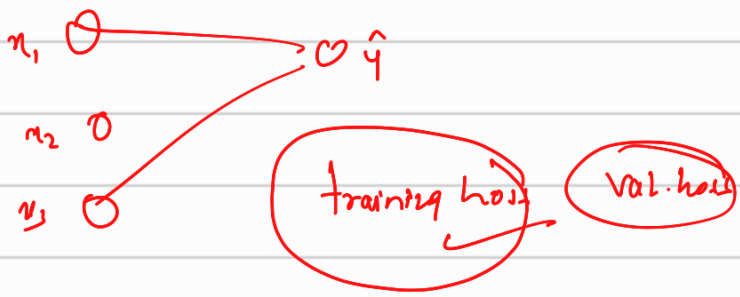



Summ
Project
low dim

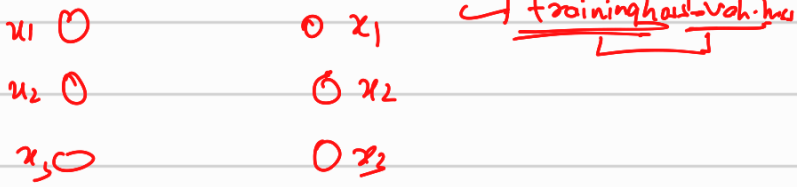
model.fit (x_train , x_train

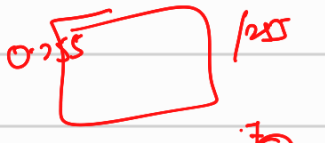






AE

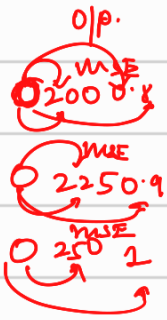


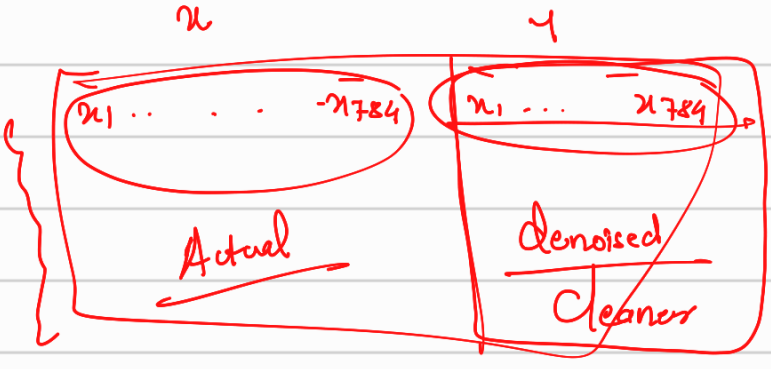


$$-\underset{\text{or}}{y \log \hat{y}} + (1-y)\log(1-\hat{y})$$

200 250

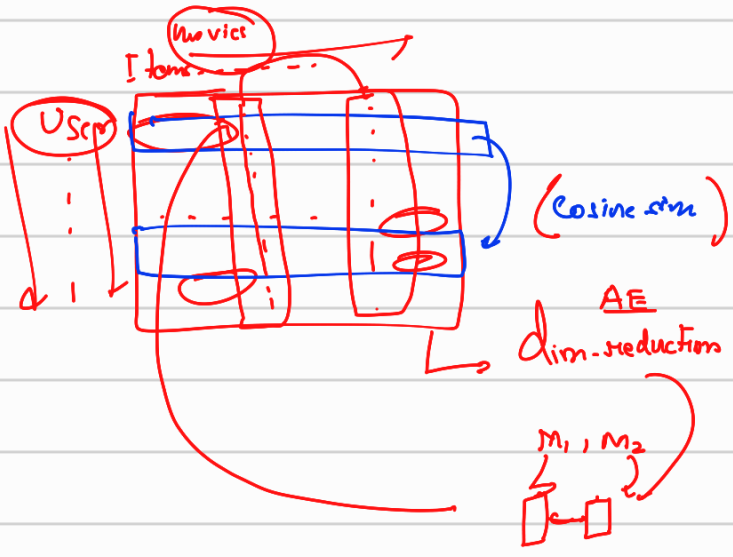
i/p
- x_1 0 200/250 0.8
- x_2 0 225 0.9
- x_3 0 250 1



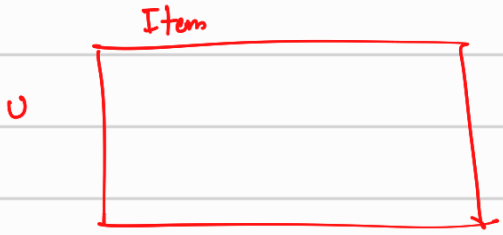


model. fit (x, y)

model. fit (x, x)



23:08 pm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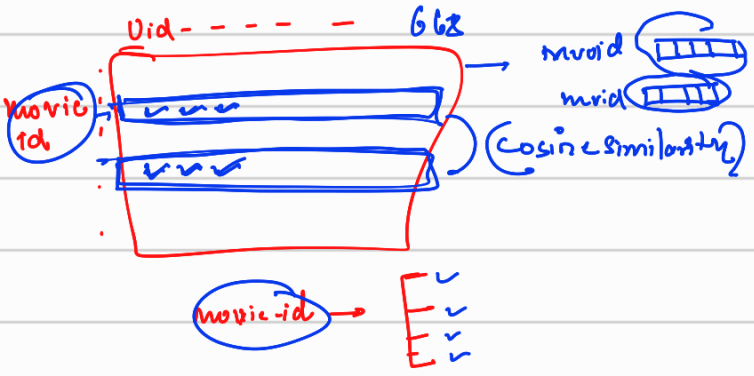
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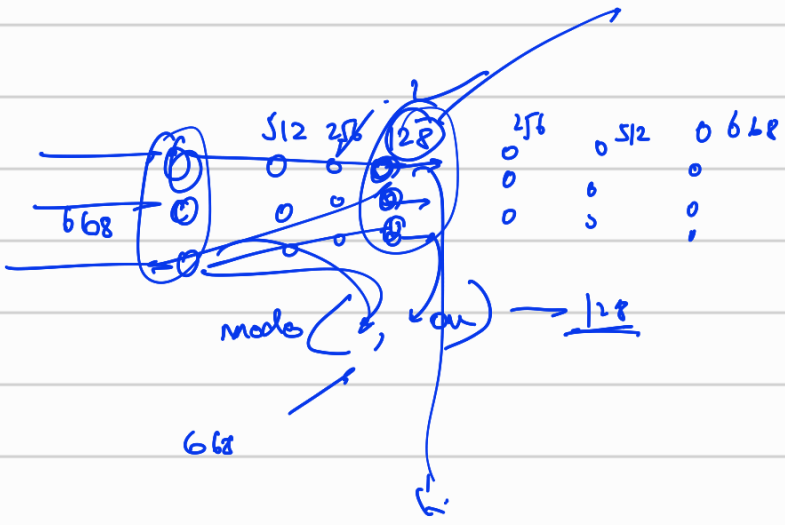
Cosine similarity
movie-id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668
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128
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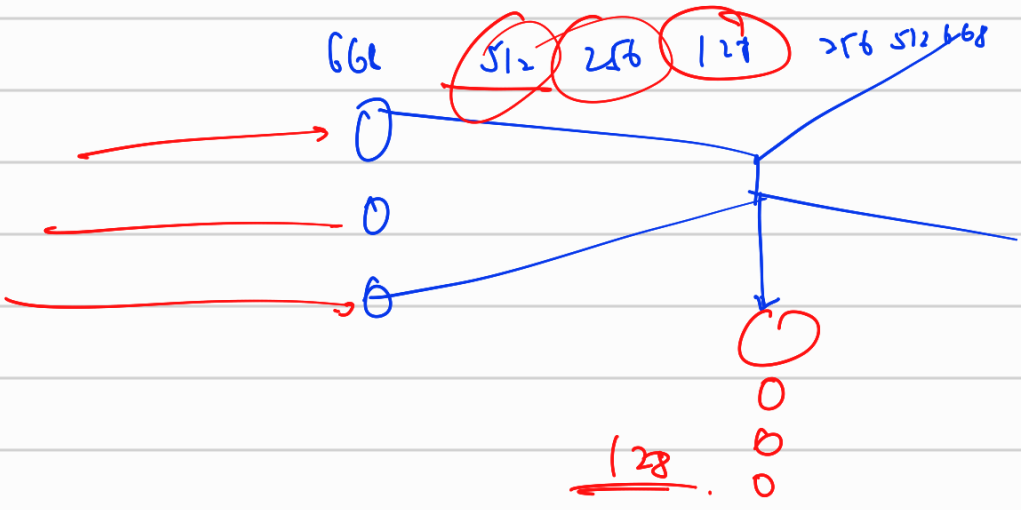
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