ASSIGNMENT SET IX

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Assignment 9 of
Deep Learning Course Given by
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written in LATEX______

Observations After Using Different Kernel Size

- a Increasing the kernel size from 3×3 to 5×5 increases the number of model parameters.
- b Increasing the kernel size from 3×3 to 5×5 , in our case, has not changed the model performance but in cases where image size is large enough it may lead to a model with more expressive power.
- d,e The kernel of size 1×3 shrinks the image width and is blind to features that appear vertically in the input e.g. a vertical line. Nevertheless it can extract horizontal features.