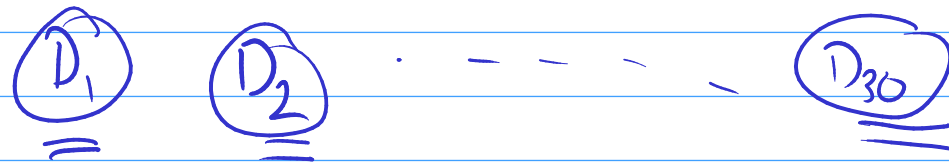


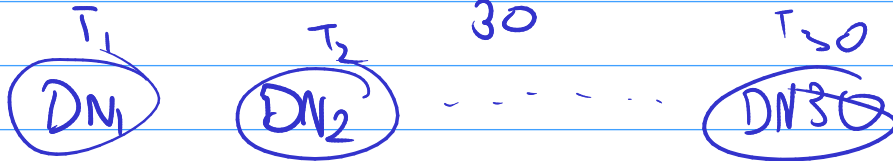
30 models



Test example
P30

$$P_1 + P_2 + \dots + P_{30}$$

30



6 classifiers
train

Szegedy
ILSVRC

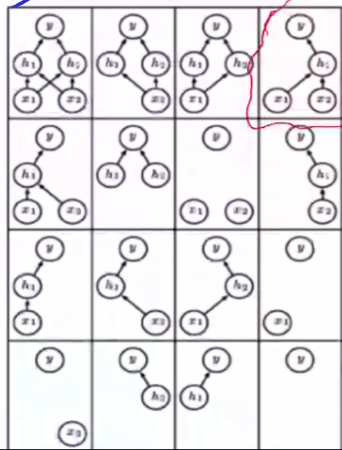
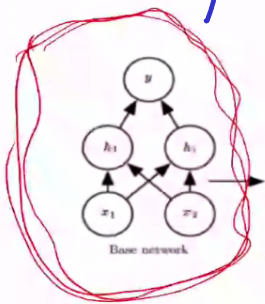
An Ensemble built
Bagging

Exponential
number of models

Shrivastava → Alter the structure
and build an ensemble
out of it! #gebruikt

→ remove nodes and/or connections

instead of same model different
splits, diff models (with same
backbone) and some split



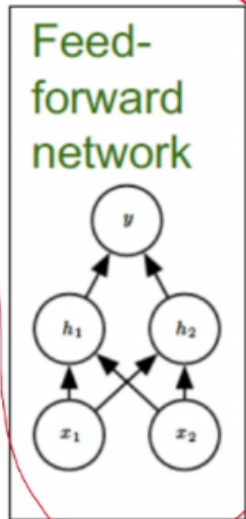
But in this train all these
core in parallel, and use their
aggregate ⇒ ensemble

Apparently this is Dropout!

$(\mu_{x_1}, \mu_{x_2}, \dots, \mu_{x_n})$
 $(\mu_{h_1}, \mu_{h_2}, \dots, \mu_{h_n})$

innovate

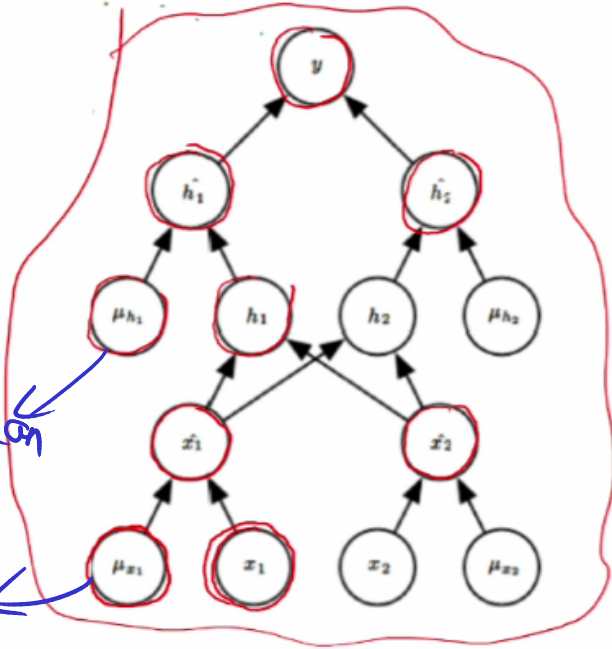
How to build dropout?



μ_{x_1}
 μ_{x_2}

boolean

boolean



vary this vector.

it acts as a regularizer

and we want look into it next class bye