Ex2 - Task 1

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logical or:
$$z_{out} = f(t) = \Psi(z_{out} - \beta + b)$$
 with $Y = \sigma$ symoid fet., $b = \begin{pmatrix} 100 \\ 100 \end{pmatrix}$, $b = -50$

masked logical or:
$$z_{out} = g(z;c) = \Psi(z;\beta+b;c)$$
 with $\psi=\sigma$, $\beta=c\cdot 100$, $b=-50$

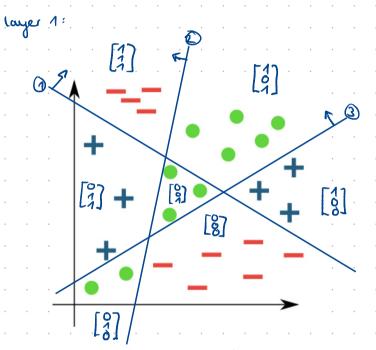
perfect match:
$$f_{aut} = h(f_{c}) = \psi(f_{c}) + f_{c} + f_{c}$$

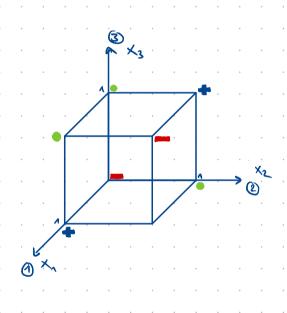
$$f_{aut} = h(f_{c}) = \psi(f_{c}) + f_{c} + f_{c}$$

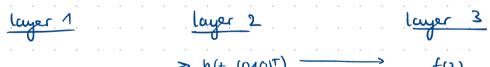
$$f_{aut} = h(f_{c}) + f_{c} + f_{c}$$

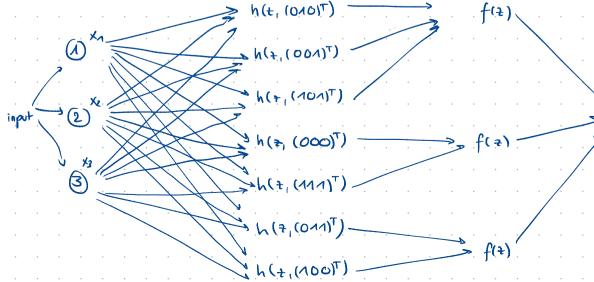
$$f_{aut} = h(f_{c}) + f_{c}$$

$$f_{aut} = h$$









 $z_{i,j} = X_{i,j}$, $\tilde{z}_{i,j} = z_{i,j}$, $g_{i,j} + g_{i,j}$, $g_{i,j} = \phi_{i,j}(\tilde{z}_{i,j})$

assume PL is identity fet -> ZL = ZL

for L>1 layers -> = (... ((Z,B,+b,)B,+b,)B,+b,)...)BL+bL

$$= ((...(2_{\circ}B_{1}B_{2} + b_{1}B_{2} + b_{2})B_{3} + b_{3})...)B_{L} + b_{L}$$