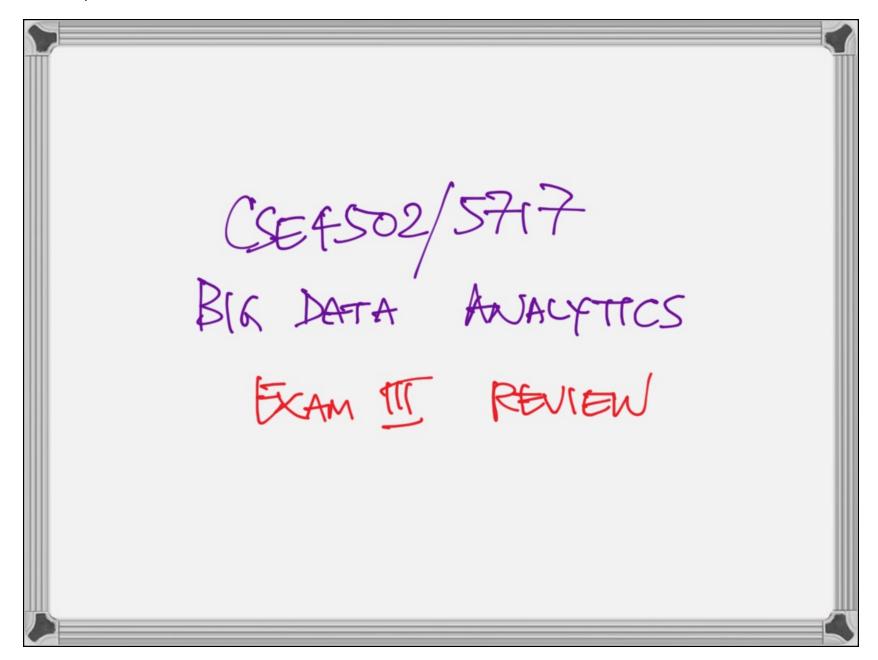
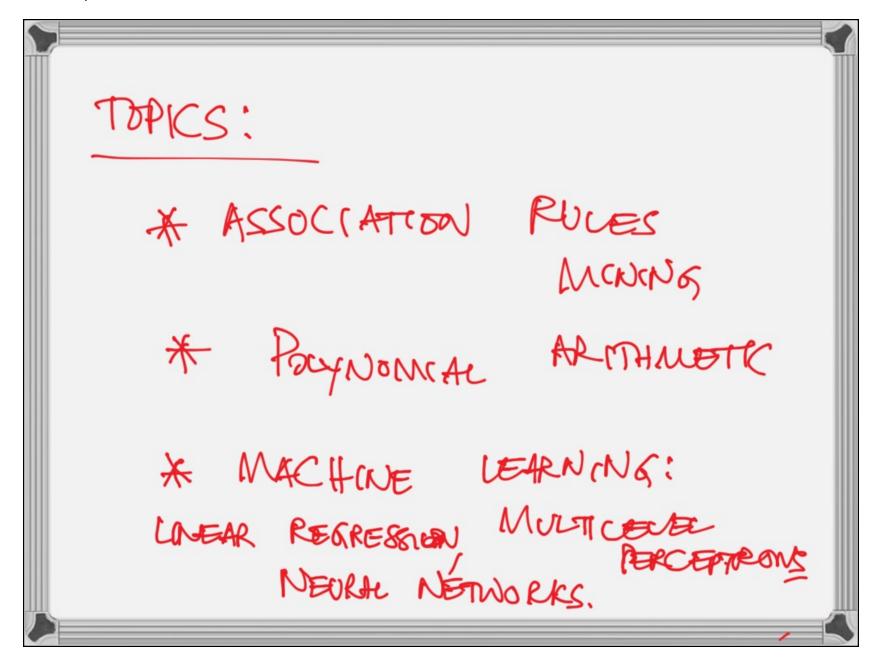
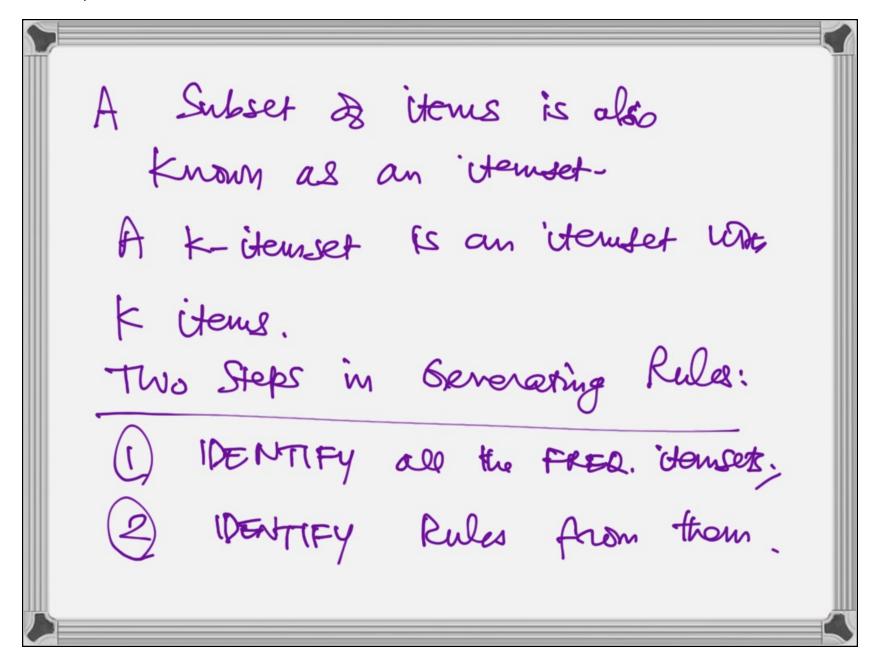
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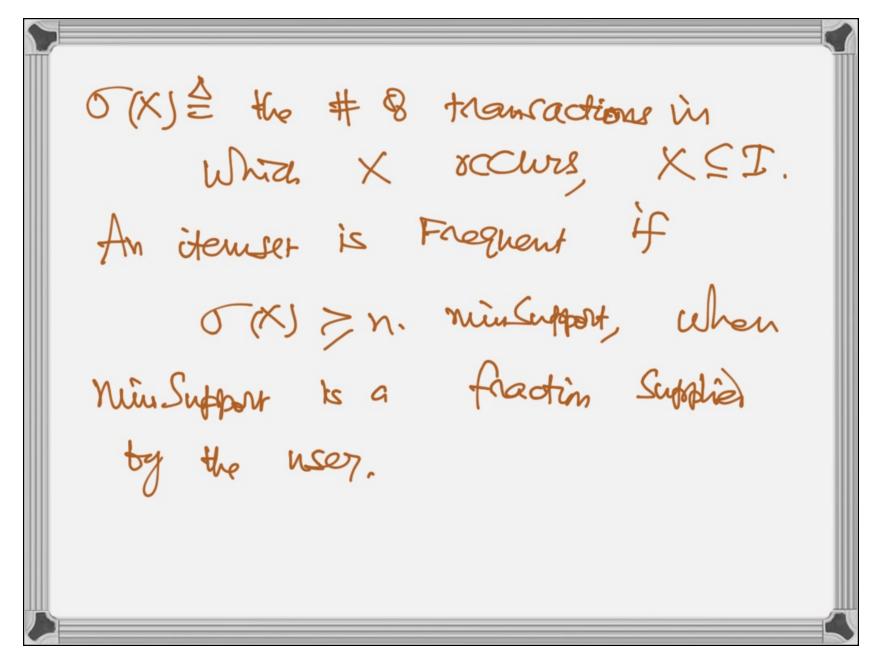
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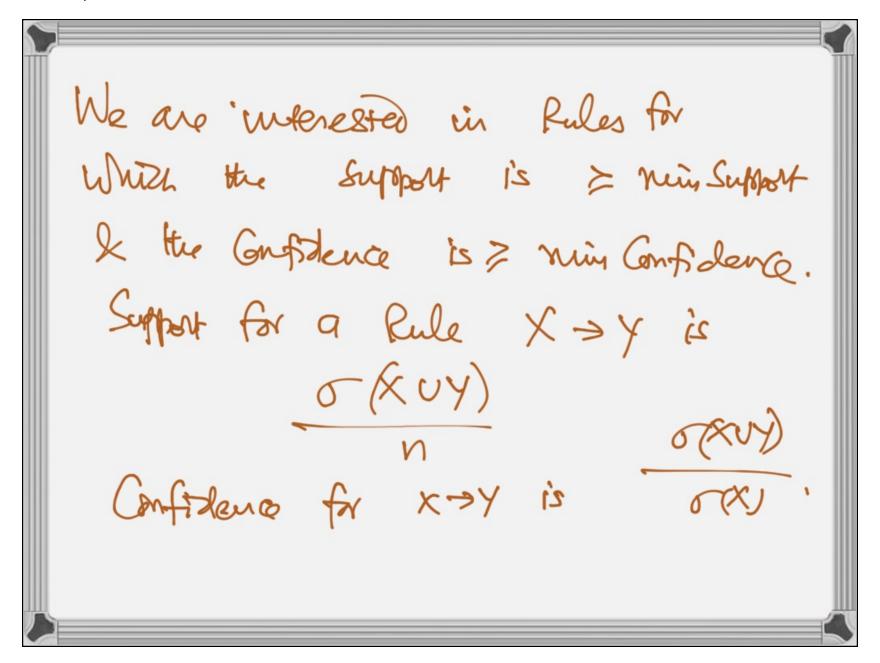
ASSOCIATION RULES MINING! INPUT: A DB of n trensactions I = A Set of possible items |I = d. A thansaction CI. Outpout: Rales of the Find X->Y
Where X +0, Y+0; XMY=0
XSI, YSI



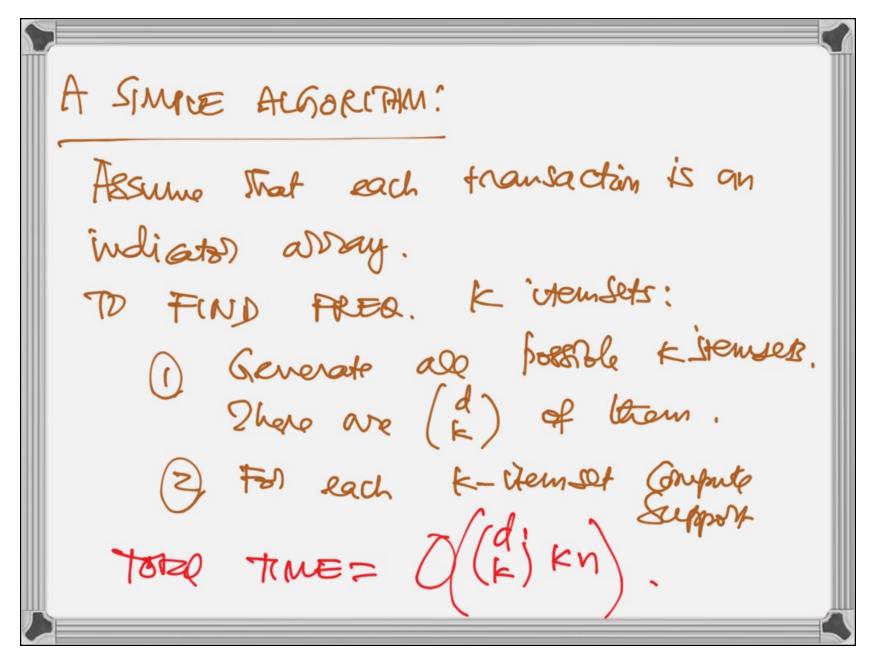
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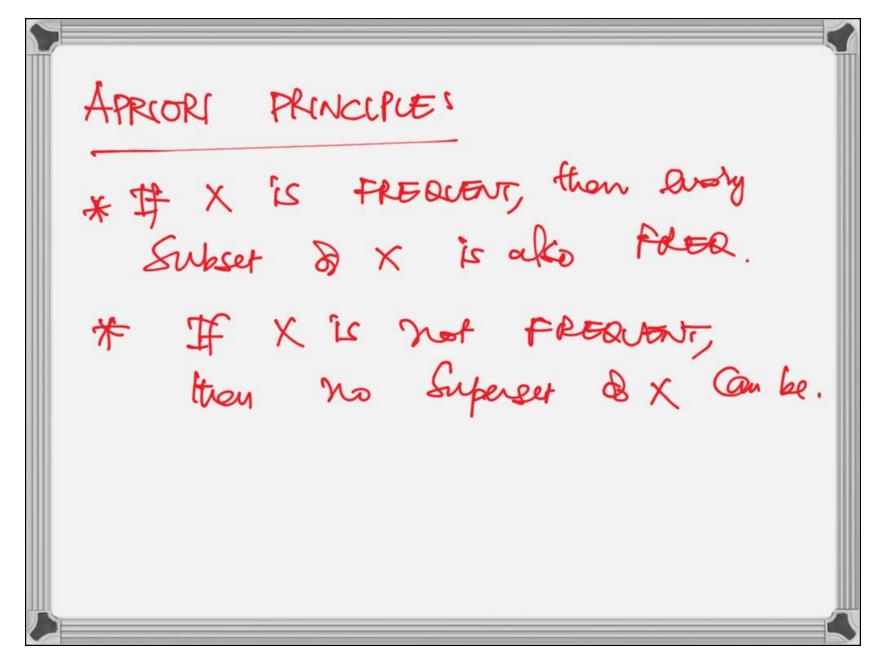
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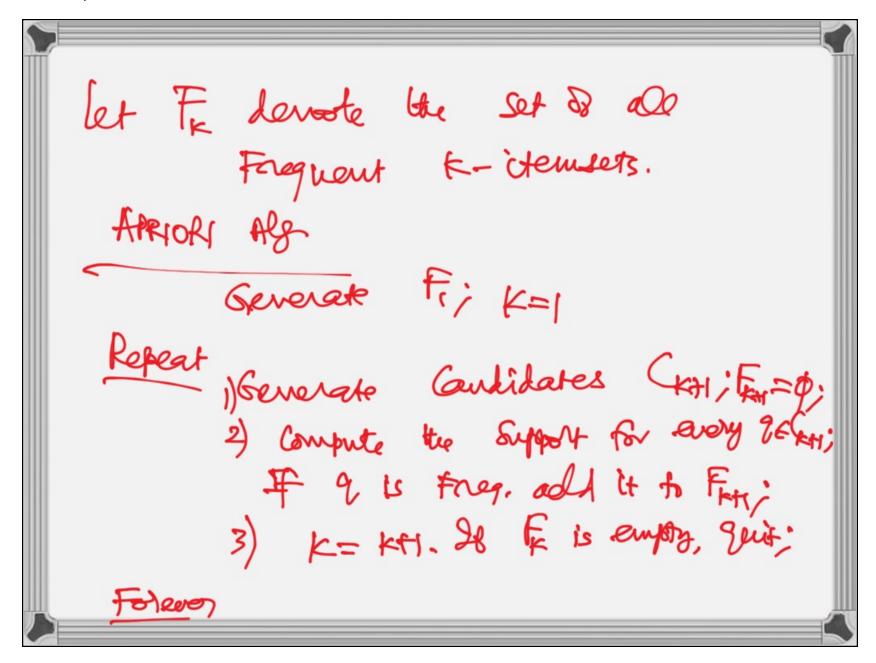
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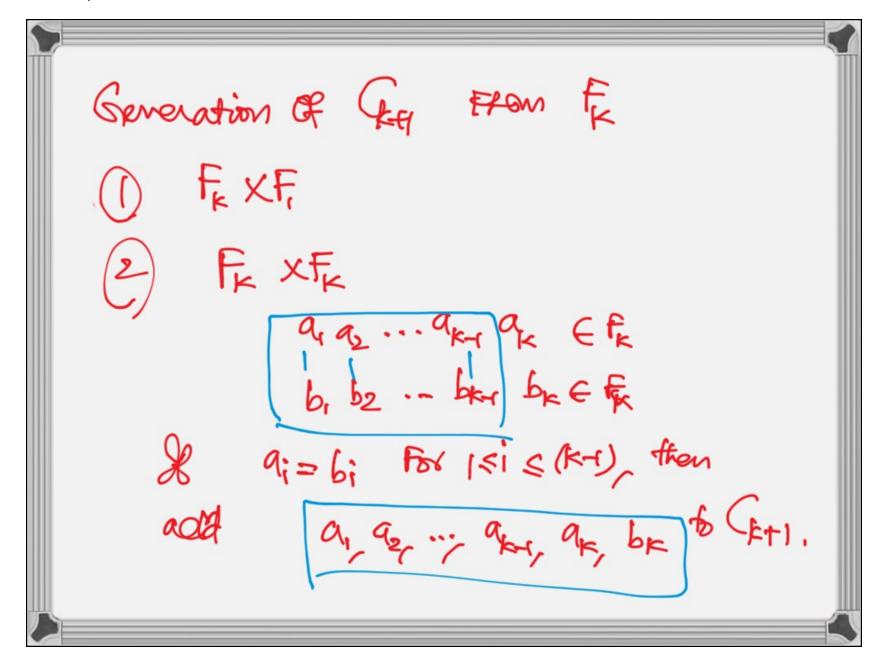
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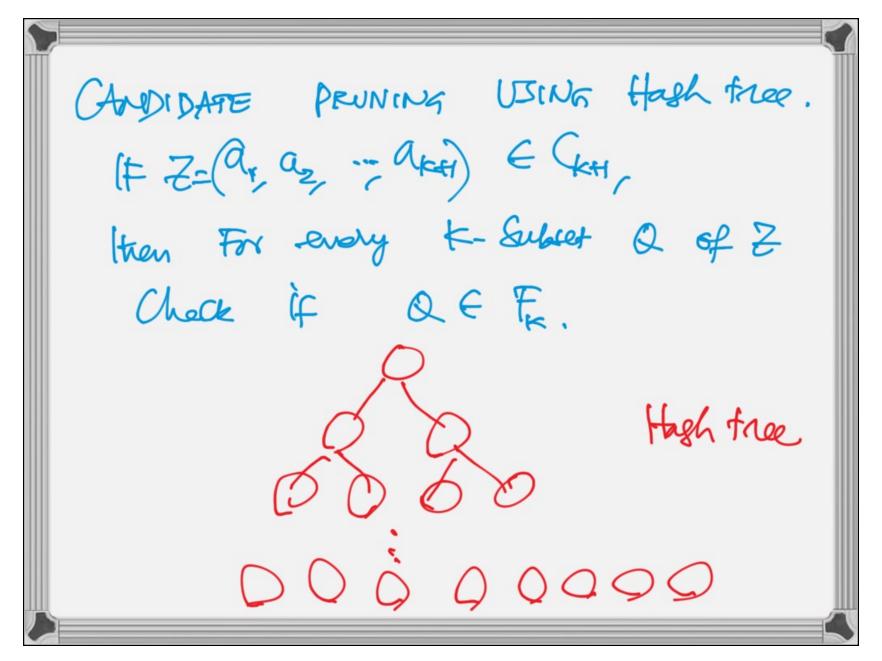
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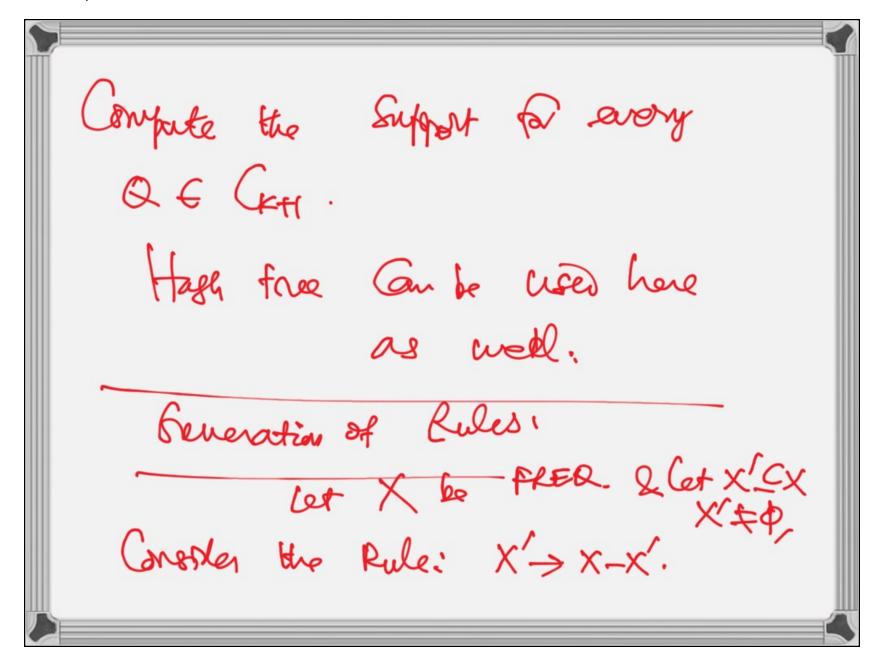
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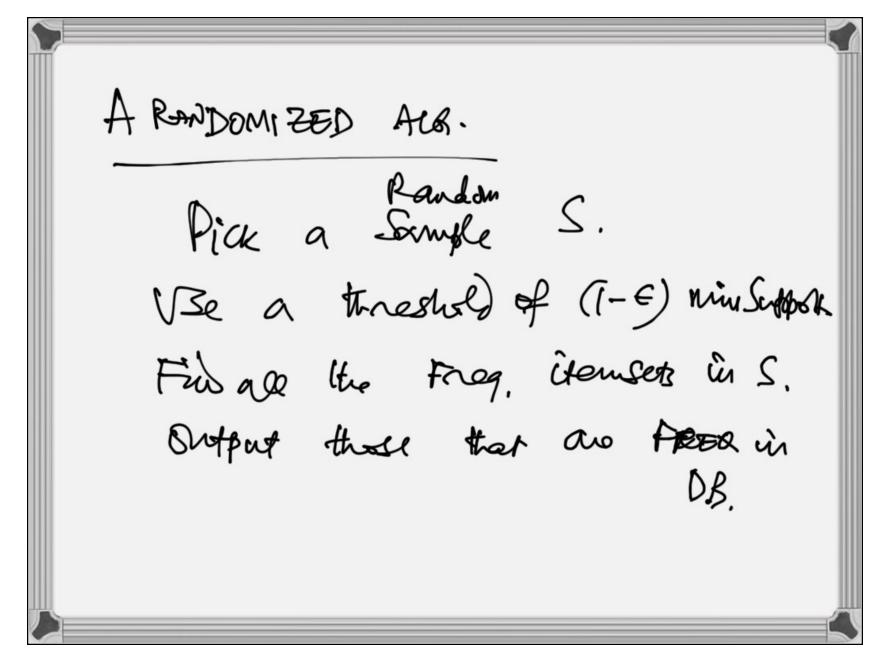


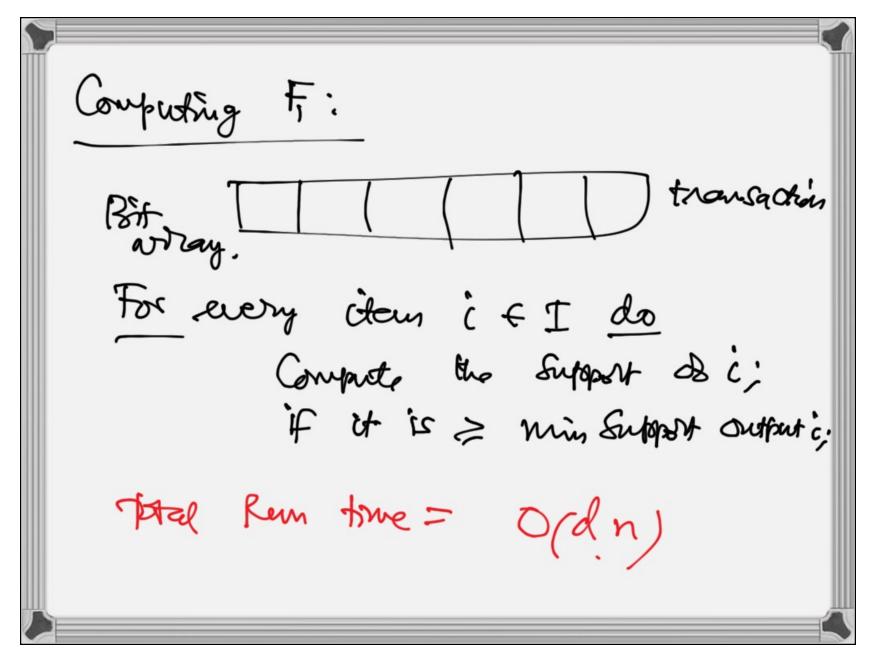
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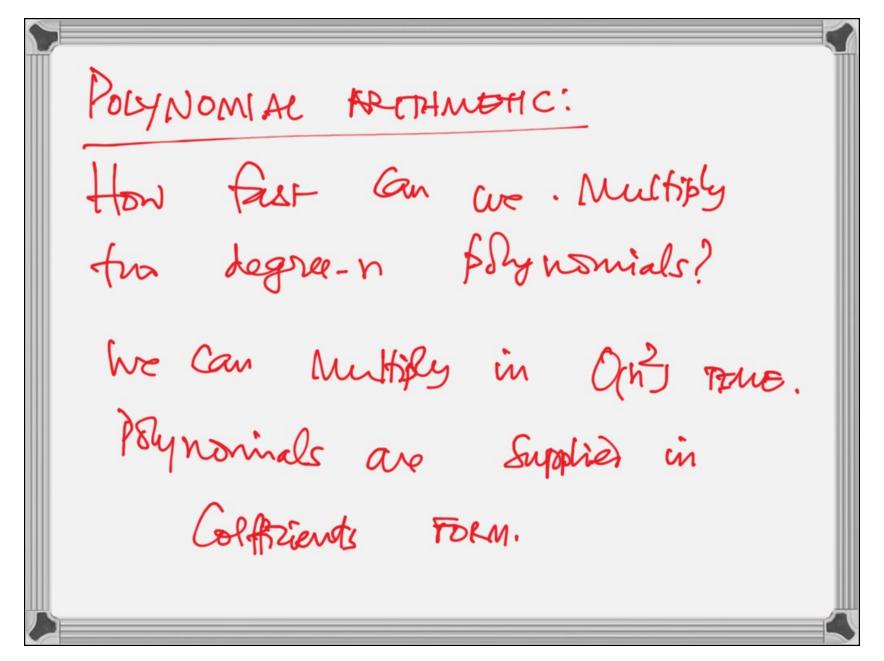
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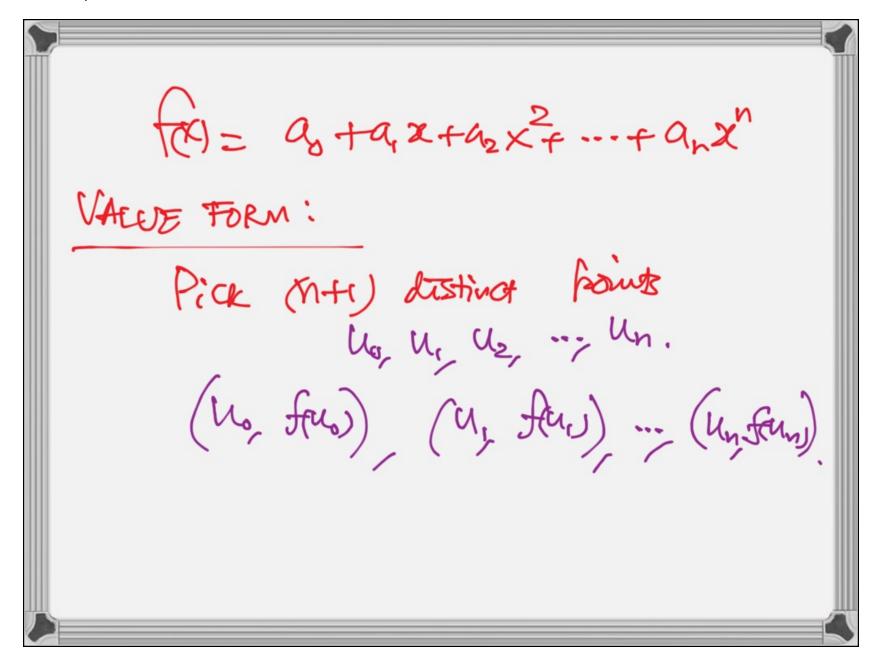




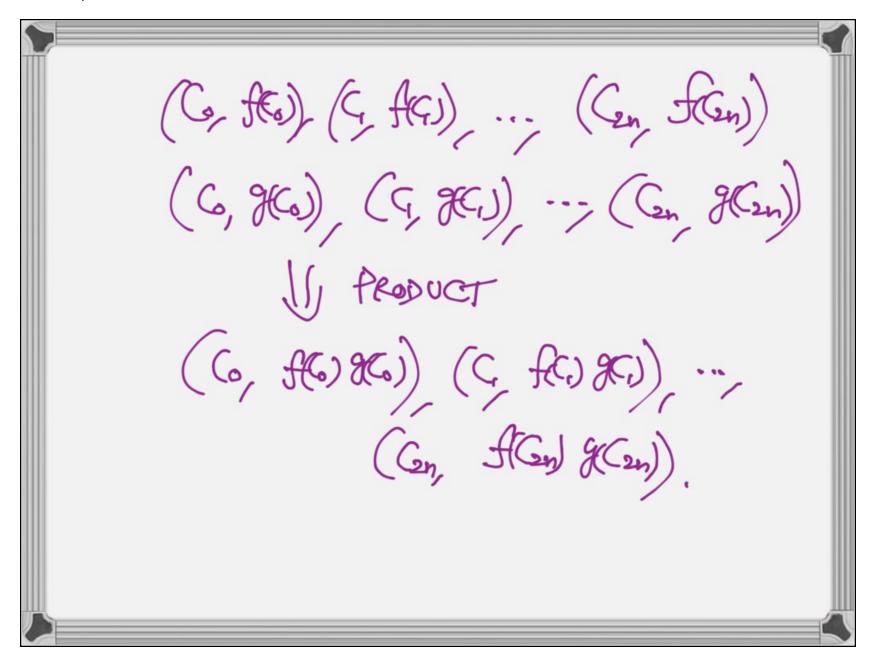
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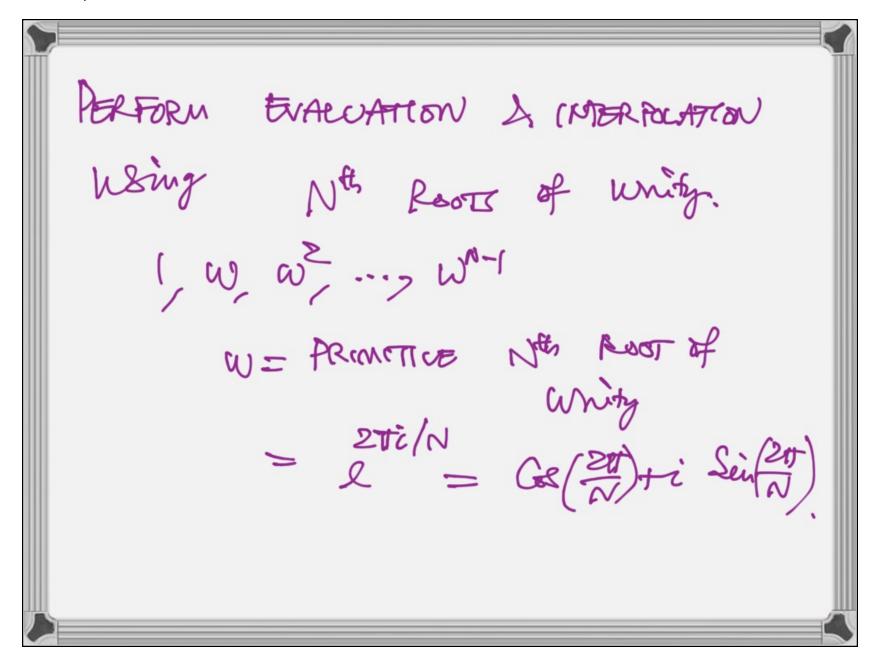
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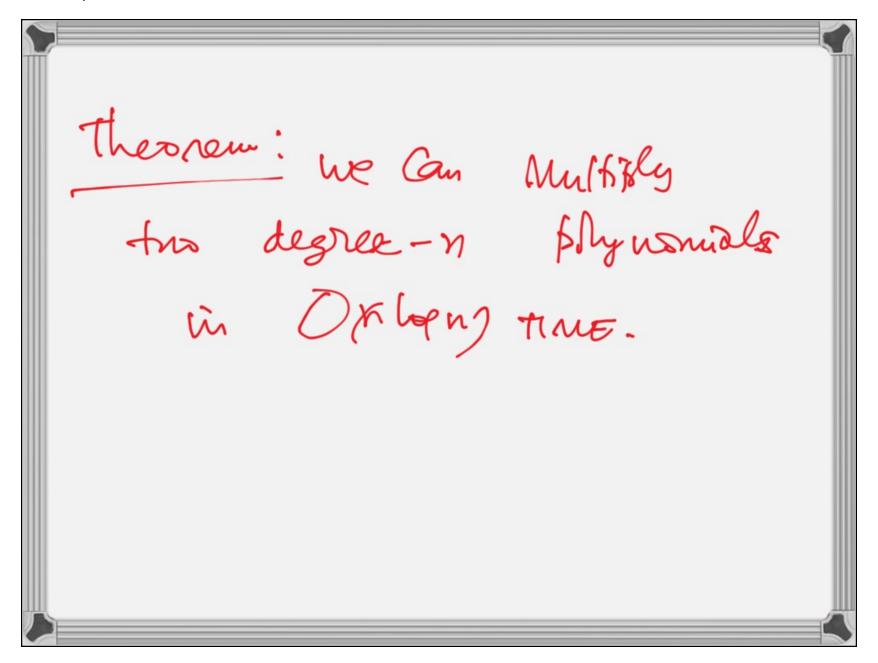
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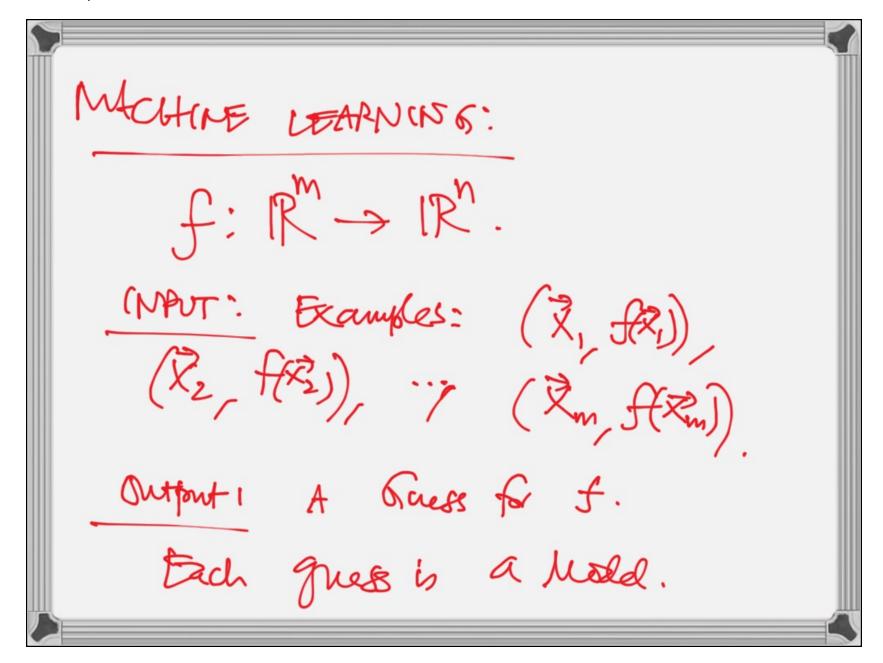
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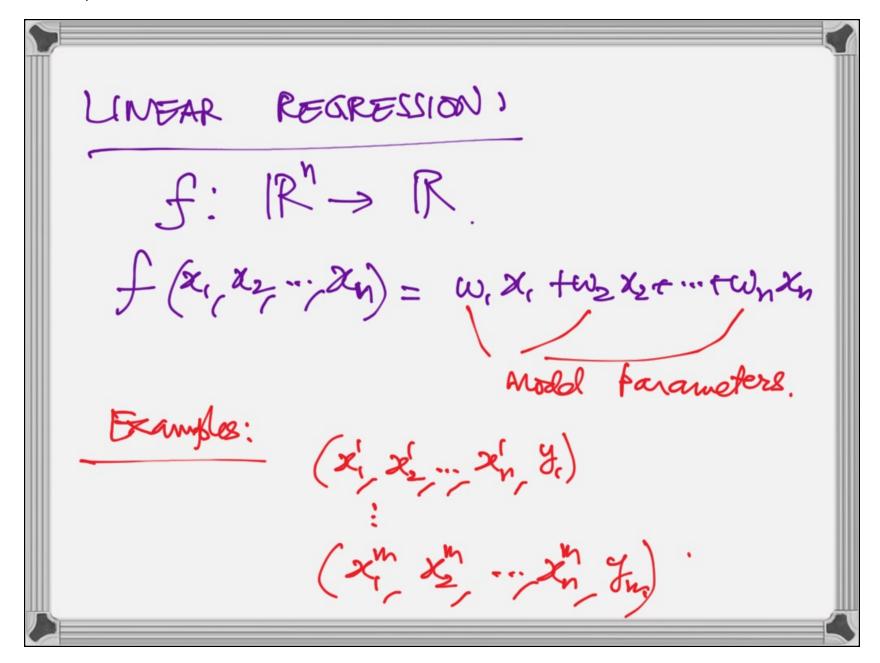


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GRADIENT DESCENT:

$$f(x+c) \cong f(x) + c f(x).$$

Note:
$$f(x-c) \cong f(x) = c f(x) \leq f(x).$$

Gas:
$$f(x-c) \cong f(x) - c f(x) \leq f(x).$$

$$f(x+c) \cong f(x) + c f(x) \leq f(x).$$

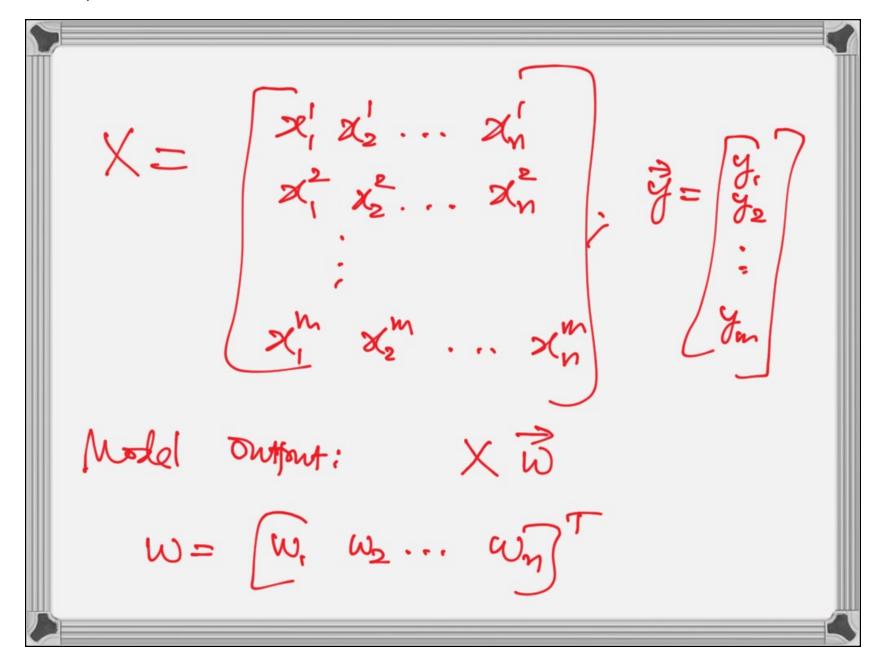
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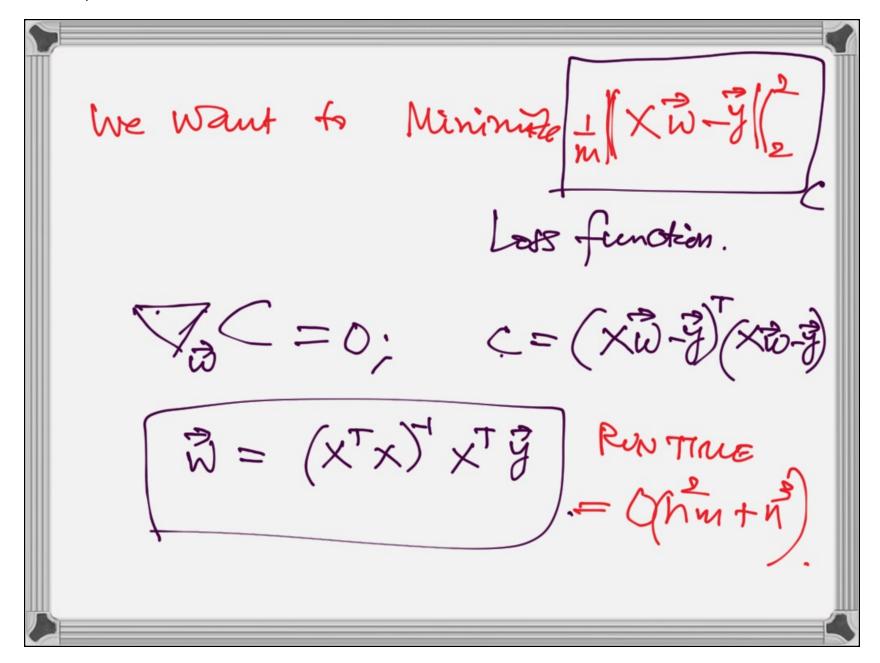
Start with 
$$X_0$$
;  $\dot{c}=0$ ;

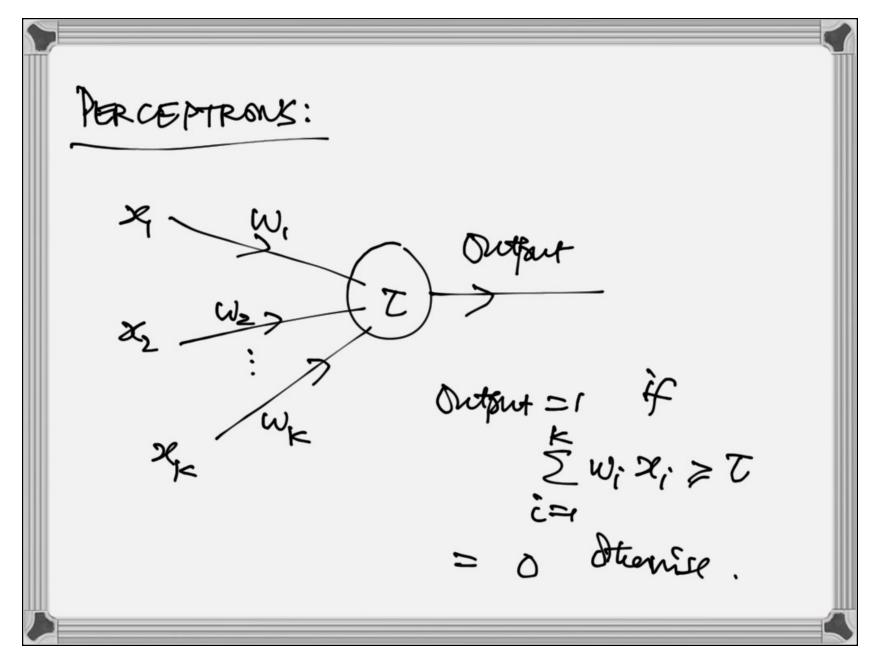
Repeat
$$\dot{c}=\dot{c}+1$$
;
$$\dot{x}_i=\dot{x}_{i+1}-\varepsilon \text{ Sign }f(x_{i+1});$$

$$\text{Limbil Gon vergence} \rightarrow \text{ StatticeNerry} \rightarrow f(x)=0.$$

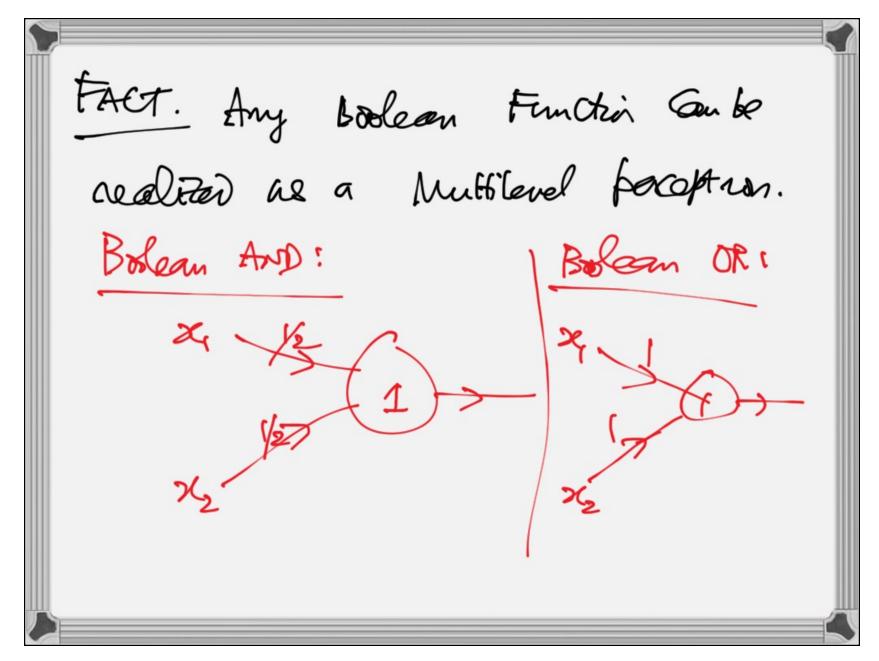
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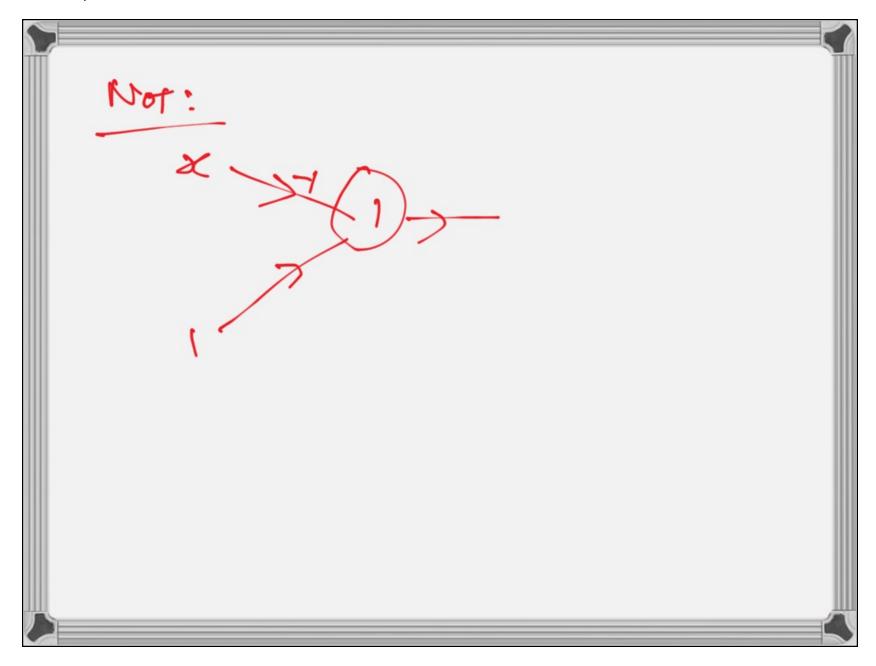




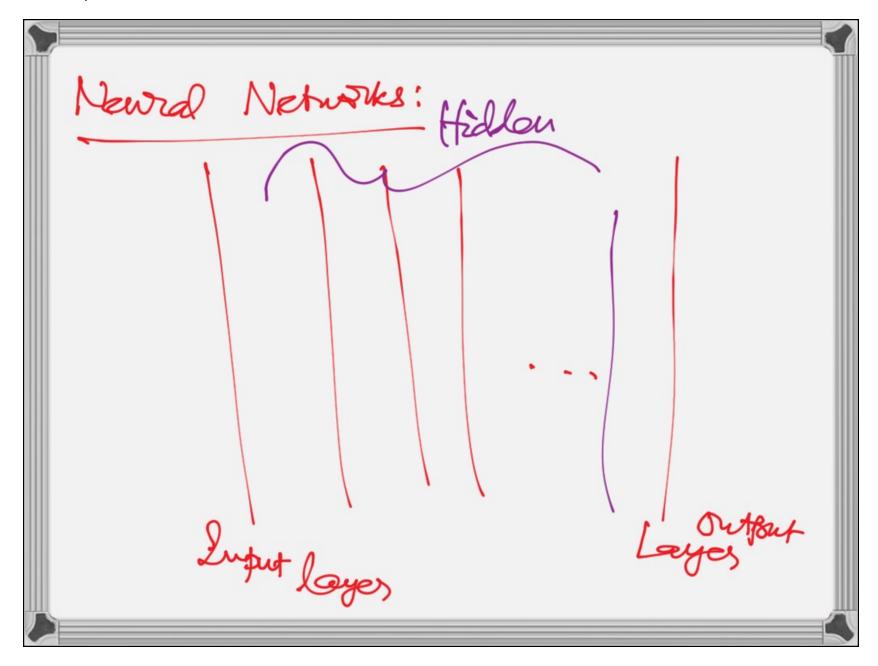
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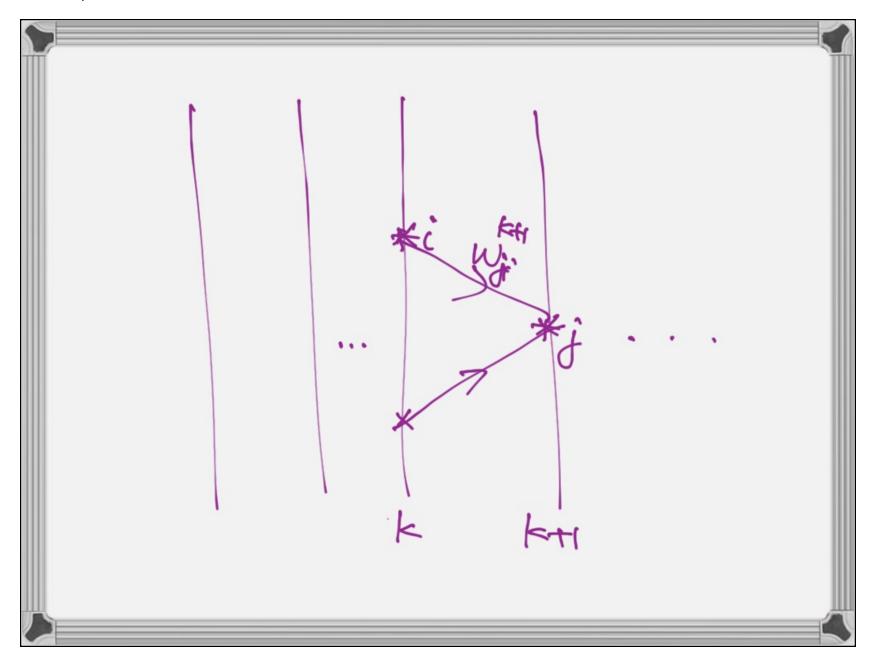
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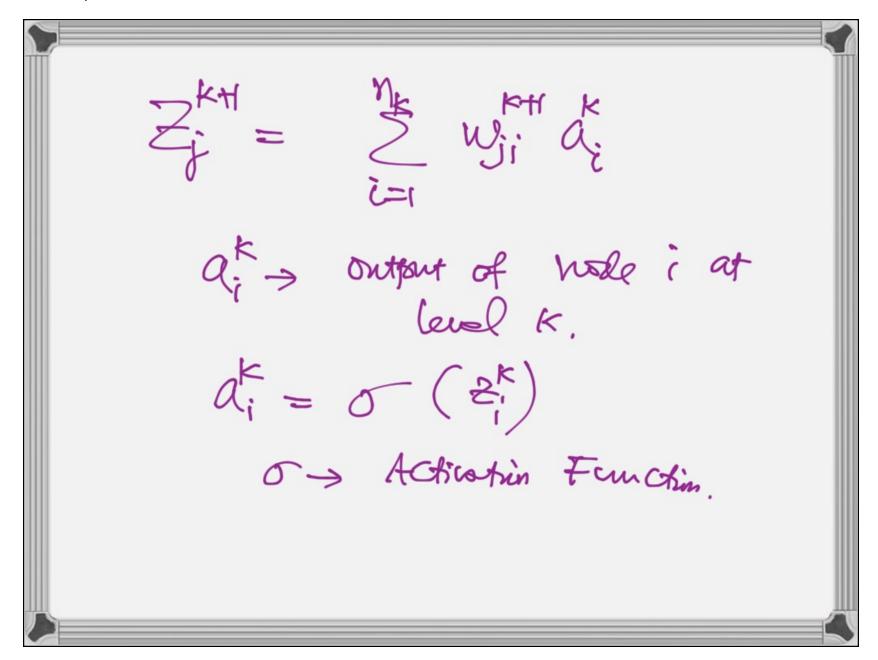
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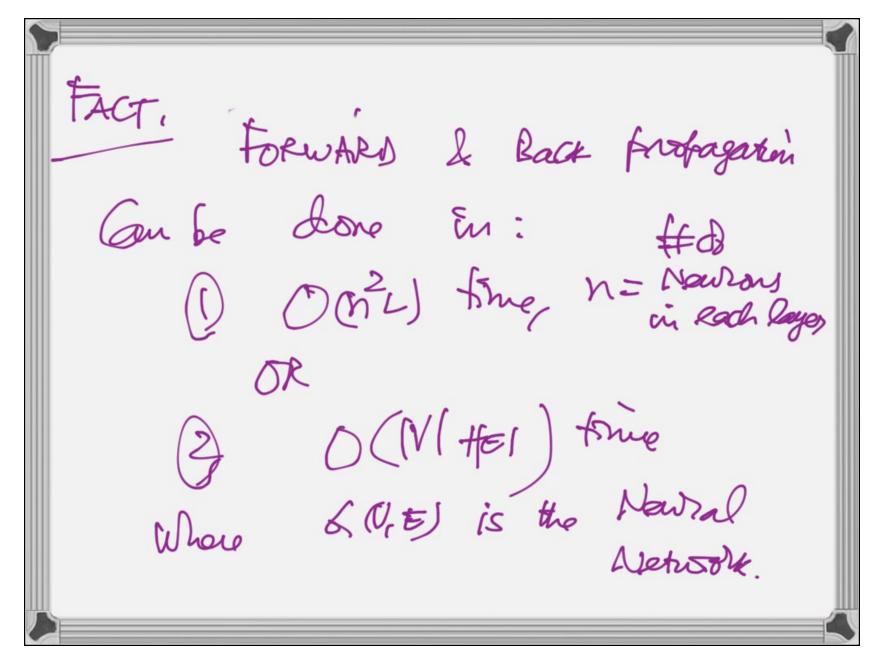
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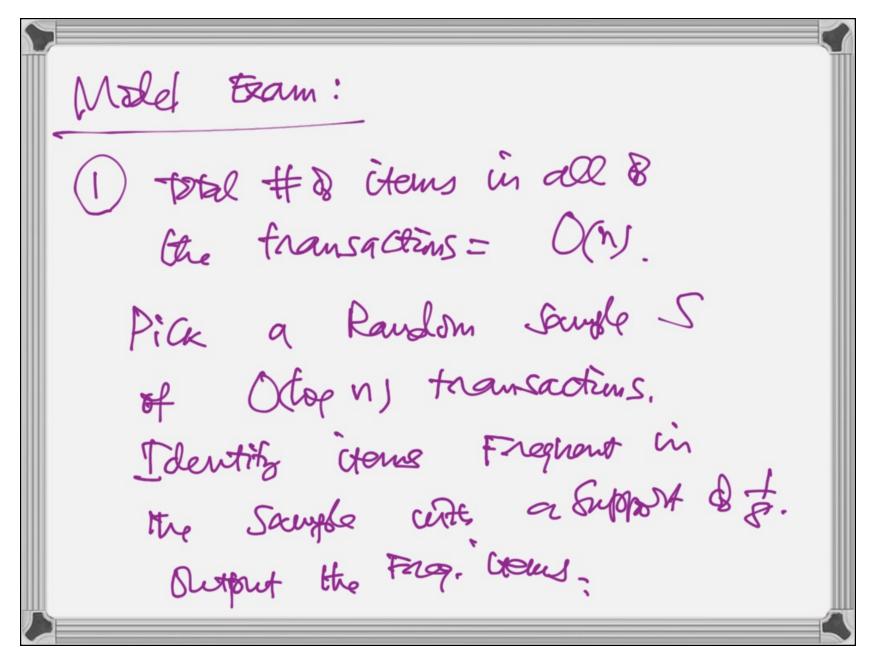
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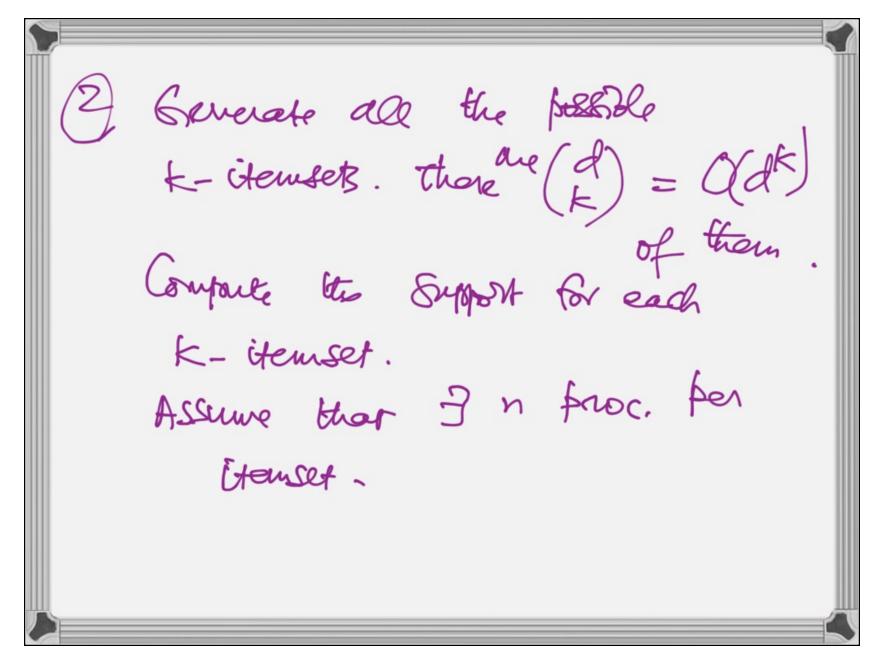
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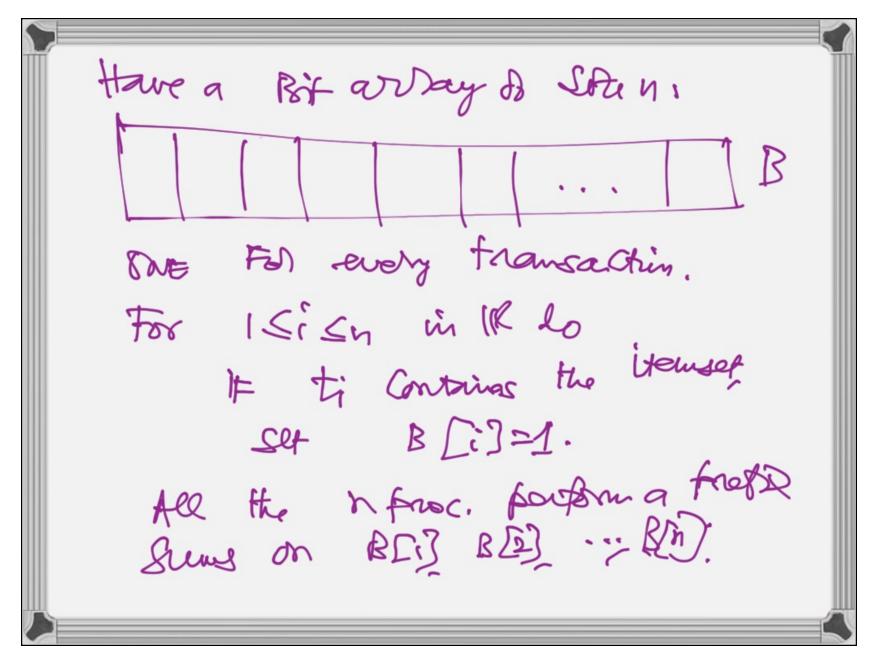
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