



$$pa; [ ] \quad pt' = \text{new } pa [ 2^{48} ]$$

52 bits  $\rightarrow$  7 bits

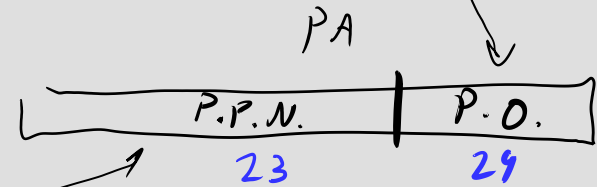
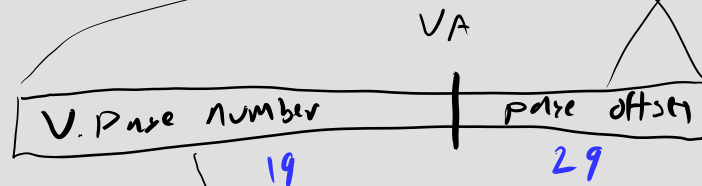
$$\overbrace{2^3}^{87} \cdot 2^{48} = 2^{51} = 2 \text{ PB}$$

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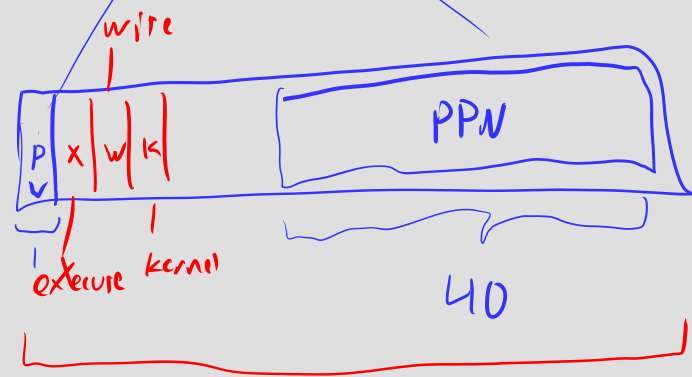
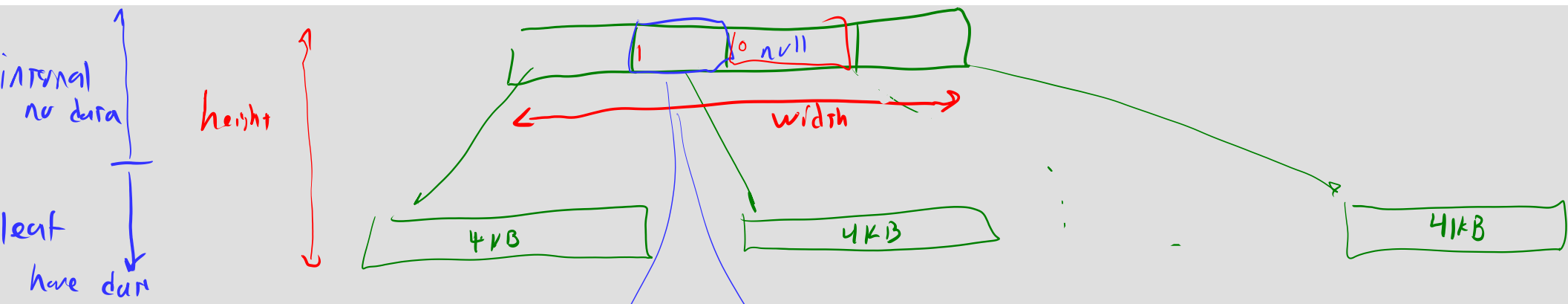
$$2^3 \cdot 2^{36} \rightarrow 2^{39} \rightarrow 512 \text{ GB}$$

$$pa = pt[va]$$



$$ppn [ ] \quad pt'' = \text{new } ppn [ 2^{19} ]$$

$$\overbrace{2^2}^{4-3} \cdot 2^{19} \rightarrow 2^{21} = 2 \text{ MB}$$



~~0x123456789ABC~~ Code  
EFO

