

**Digital Electronic Circuits**

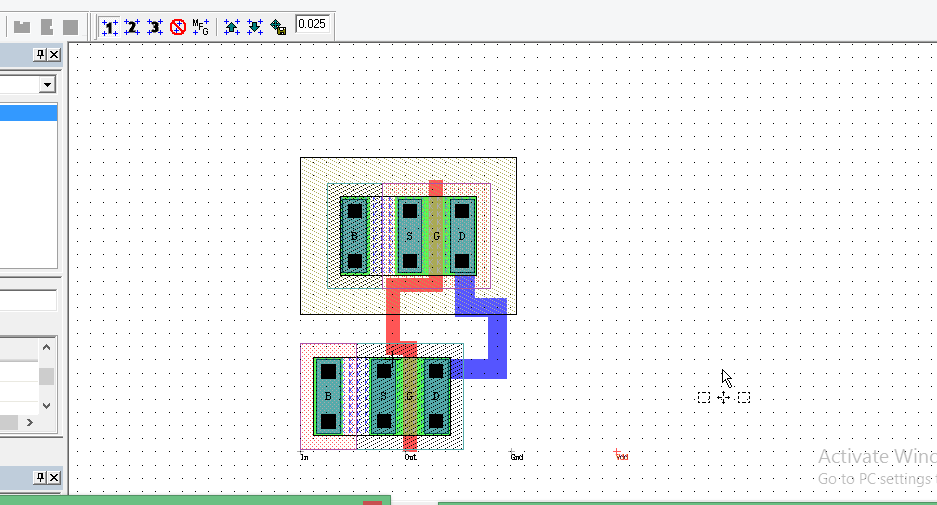
**CA #5**

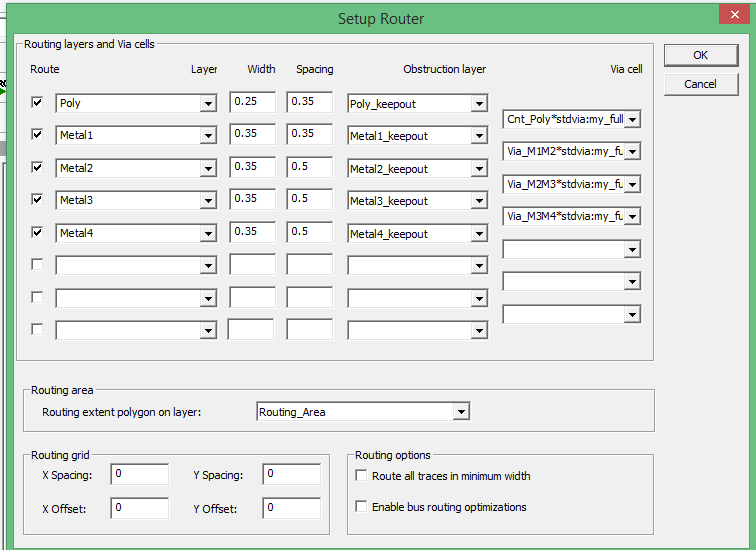
**Layout Design**

**Setare Askari Negar Mirgati**

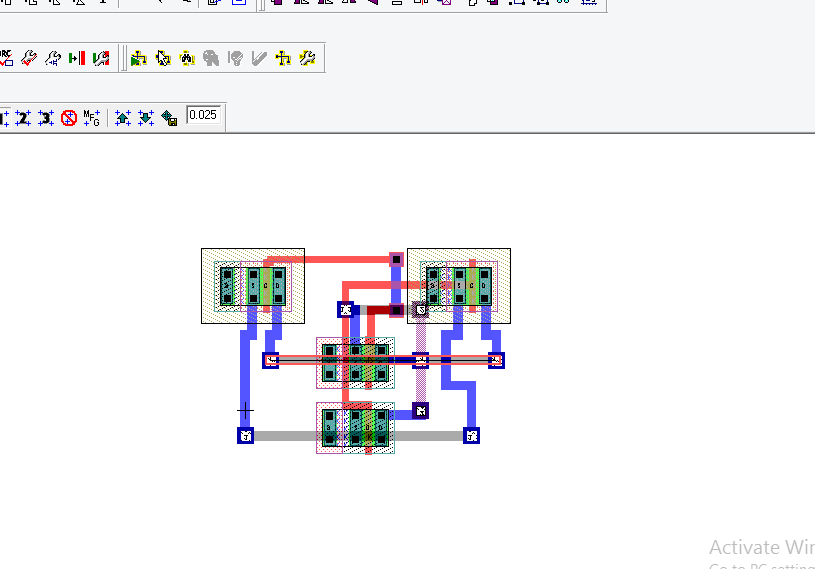
**810194366 810194413**

**ساخت inverter:**

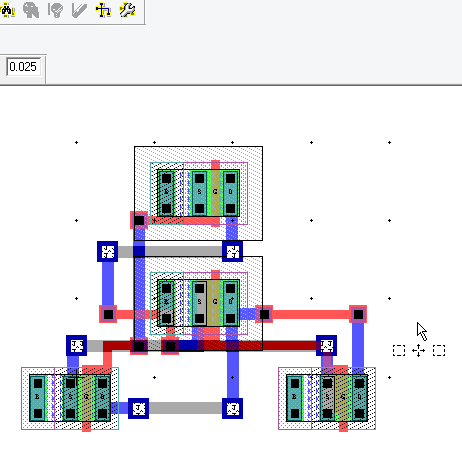
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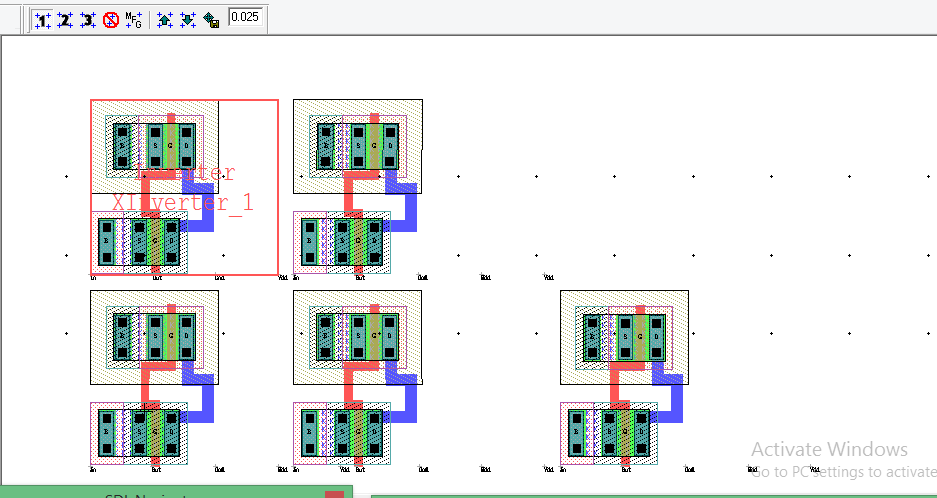
**ساخت :NAND**

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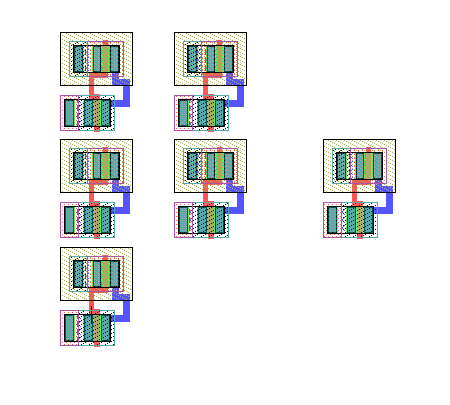
**ساخت :NOR**

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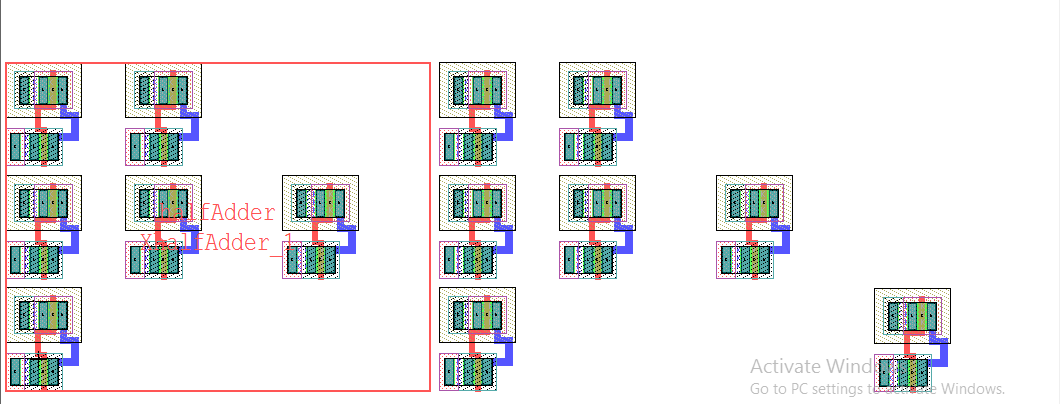
**ساخت :XOR**

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**ساخت halfAdder:**

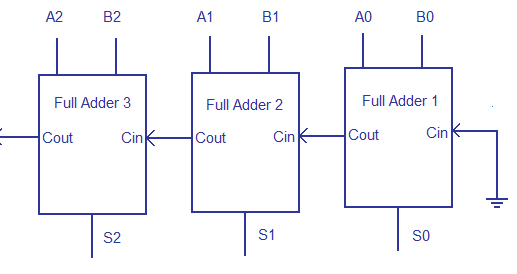
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**ساخت :full adder**

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**ساخت :3 bit adder**

**(ripple carry adder)**

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