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Sec: 1 BN:13

1. How many commands does the execution unit have?

6 commands

- Move Value to Register
- Move Register to Register
- Add Value to Register
- Add Register to Register
- AND Value to Register
- AND Register to Register

2. How many bits are required for the user input command?

10 bits [1..0] destination (00,01,10) [3..2] source (00 A,01 B,10 C,11 input)

[5..4] operation (00 MOV ,10 ADD ,11 AND)

[9..6] input

3. How many forbidden input commands do execution unit have?

[1..0]= `11` the input can't be destination

[5..4]=`01` there is no operation

EX: 1111010011 (invalid)