1. How many commands does the execution unit have?

2^10=1024 combinations

correct combinations=1024-448=576

4\*3\*3=36 command

Operation\*source\*destination

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

10 bits

1. How many forbidden input commands do execution unit have? Give an example.

I think there are 448 forbidden input commands

Ex

Operation source destination immediate\_value

01 00 11 0000

10 10 11 0000