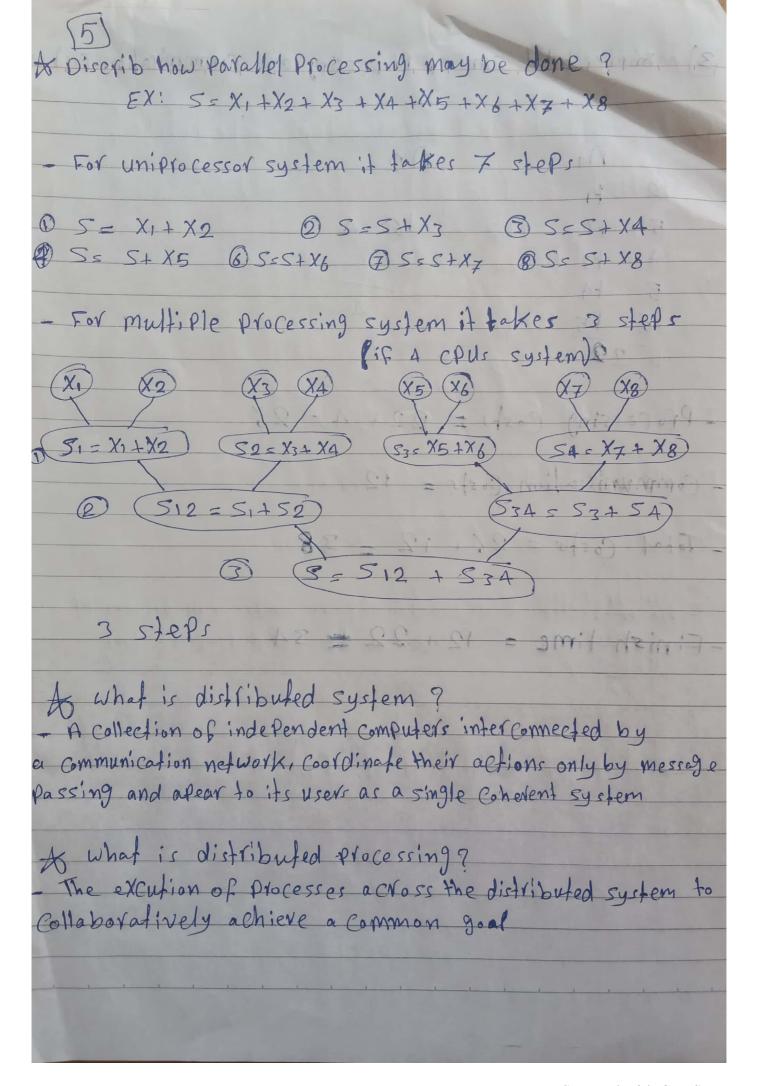


- -The Processor mandles all the functionalities through fetching, decoding, and executing a Program's instructions sequentially.
- -The Processor solver the instructions sequentially as writter in the program, an instruction at a time
- & What is Limitations or problems in the Processing Strategy of traditional computer?
- -The Processing time for completing a job is relatively Proportional with the size of the Problem.
- As the Problem size incleases, as the Processing time to finish the job increases.
- At a time the PC willnot sufficient to perform alors application
- * solution of limitation of Problems?
- To inclease the Processing Power and satisfying the discribed needs use:
- Computers with more speeds.
- Multi Core Processor system.
- Multi Processor/Multi computer system (Parallel computer).
 Distributed computer systems.

A ·
How Parallel Computer increase Processing Power?
- Or Problem Can be devided into n sub-Problems where
n is the number of available processing units
- Each one of the Problem will be solved by one of
the processing units concilently
10 11 12 1 00 1 1 1 1 1 1 1 1 1 1 1 1 1
Duhat is the difference between multicore and multiprocesses
muti core multiprocessor
A single CPU with multiple A system that has two of
excution units more CPUs
Excutes a single Program Faster Excutes amultiple Program Faster
Have less traffic because all more reliable than multicore
Cover one infegrated into a single chip systems
what are the relationship between multicare and multiprocessor
- Latest Parallet computers have multiple CPUs each with multiple
Cores to read and excute several instructions of a time
& what is parallel Processing / Computing?
- The general idea for parallel Processing is to decision
distribute computation among processors of split the job into
Jasks and excute these tasks concurrently
on different Processors.



6
of what are Phases for Computing a Job on an distributed system
- Phase I : The master initially investigates the resource stotus
of the slaves, devides the nob into a number of tasks and arest but
the tasks onto the slover according to the resources availability
- Phase II: Each Computer excutes Processes allo cafed by master
- Phase III: The master computer collects partial results from the
slaves and computes the final vesult
to what is popularity of distributed computing systems?
To Con line of distributed contrating of astrophic
- Information shaving among users
- Resource sharing
- Better Price-berformence Ratio
- Beffer response time and Anroughput
- Better flexibility in meeting users need
- Higher reliability
Awhat is Drawbacks of distributed computing systems?
- Software shortage and complexity complexity
- More Complicated failure diagnosis
- Security weaknesses
- 2055 of flexibility
- Dala in compatibility
- Dependency on network reliability and performance
- Definiones on majority