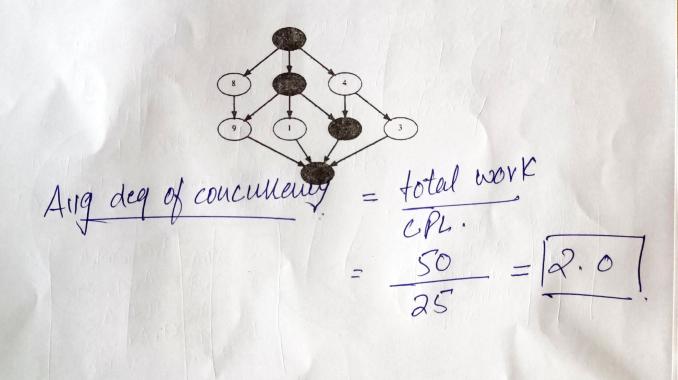
Quiz 2 / Solution. Parallel and Distributed Computing - CS 3006

Q1: Following is the task dependency graph. Find out average degree of concurrency of the tasks.



Q2: Differentiate between task dependency graph and task interaction graph.

TDG & Shows interaction between graphs tacks. 2 usually wedi rected (2) Shows dependency amongst tasks

Q3: Discuss data decomposition. Emphasize on input-based data decomposition and why it is essential if output-based decomposition is not enough. Also, give an example of input-based data decomposition. 1) when decomposition of data is done between processes to colve a problem, it is called duty decomposition. (2) input based data derouposition is nevellary when data can not be decomposed based be output can not be mathematically. Example transactional db. ABICIDIE breaveny BICIDIA CIAIDIB ABR CA, DIB CAID 2 CIA, DIB CAID 2 EI CIA, DIB CIDE 1. A;B,C ABIGAE EICIAIDIB CIDE AIBIC