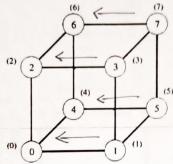
## Solution.

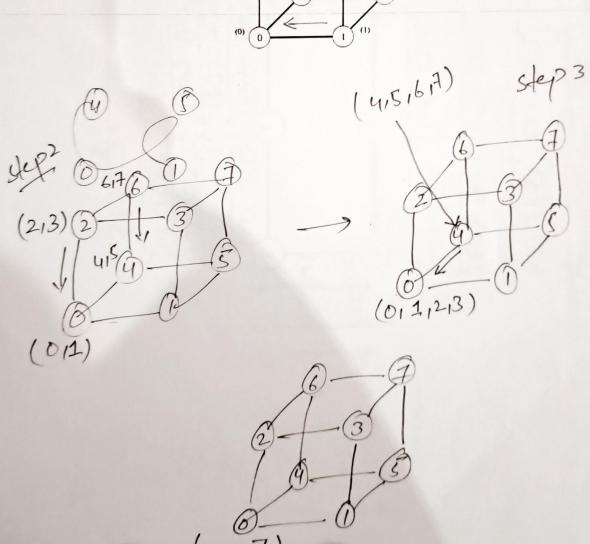
## Quiz 3

## Parallel and Distributed Computing - CS 3006

Q1: Following is the 8-node hypercube after the scatter operation has been completed. Your task is to perform the gather operation on the hypercube. Mention all steps for maximum marks.

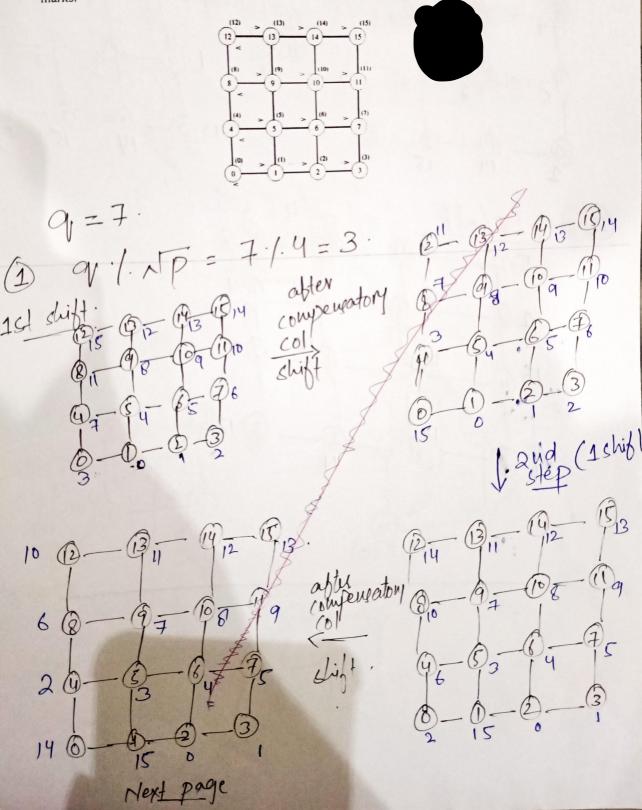
Step 1





Q2: Perform All to All personalized communication on the following 6 node ring on the diagram. Mention each step and packets exchanged on each step clearly to obtain maximum marks.

Q3: You are provided with the following 16 node mesh. Your task is to perform circular shift operation on the mesh where q = 7. Perform and mention each step clearly to obtain maximum marks.



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