Finding Minimum of The Given Number
Flow chart And Simulation
Lesson Plan: Class 06 / ALG / 05

Overall goal of the lesson	Students learn to represent the procedure for finding minimum of the given number in terms of flow chart and then carry out simulation as per the flow chart.
Prior Knowledge Required	Procedure for finding the minimum of the given numbers (06-ALG-04)
Material Required	One copy of worksheet per student Pen/Pencil, eraser. Lesson Presentation
Procedure Summary	1. Go through the presentation. 2. Explain various parts of the flowchart. 3. Explain the similarity between the flow chart represented in English and the one with mathematical notation. 4. Go through the simulation, and at each stage link the flow with flow chart. 5. Provide the worksheets, it consists of similar exercises. 6. Let the students solve them and help them with answers.

Procedure Details

Sl No	Slide No	Time	Discussion
1	2-3	5 min	Recall the procedure presented in the previous class.
2	4-14	12 min	Go through each slide explaining the step in the procedure. Indicate the corresponding step in the trolley example. Recall the symbols used in the flowchart. Highlight the two branches starting from the decision box. Explain the use of connectors.
3	15-16	5 min	Explain the conversion of the earlier flow chart, which used English language to describe each step, to the one with mathematical symbols.
4	17-19	7 min	Go through the simulation. For the first round follow the flow chart and help students to complete the remaining rounds.
5	20	2 min	Show students that graphical representation of the procedure need not be unique. Two students may represent the procedure in two different ways. One needs to pay attention to the indices.
6	21-22	2 min	Explain the fact that one can find the minimum and maximum simultaneously. Ask students to modify the flow chart to accomplish this task.
7	23-24	2 min	These slides are prepared just to introduce the concept of parallel computing. Highlight the fact that two comparisons are made at the same time by two different individuals/processors.