

Max Flow Calculation using Ford Fulkerson Algorithm

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1 Introduction

2 Results

1. Ford-Fulkerson(FF) with and without delta scanning took 6 iterations to get maximum flow for the input1 digraph.

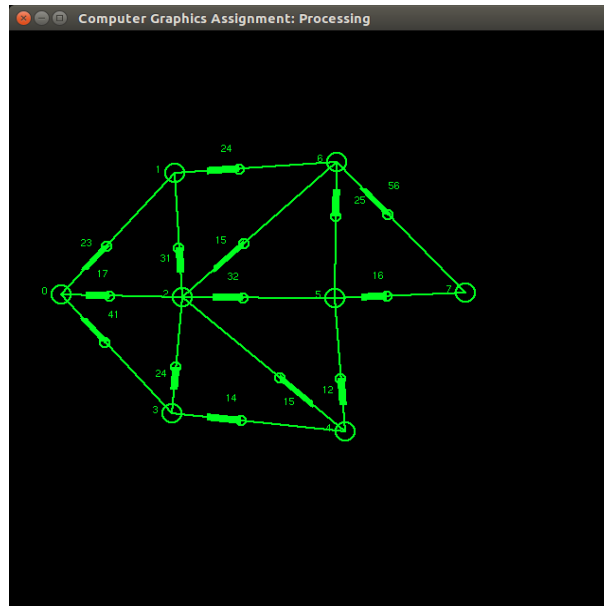


Figure 1: Input 1

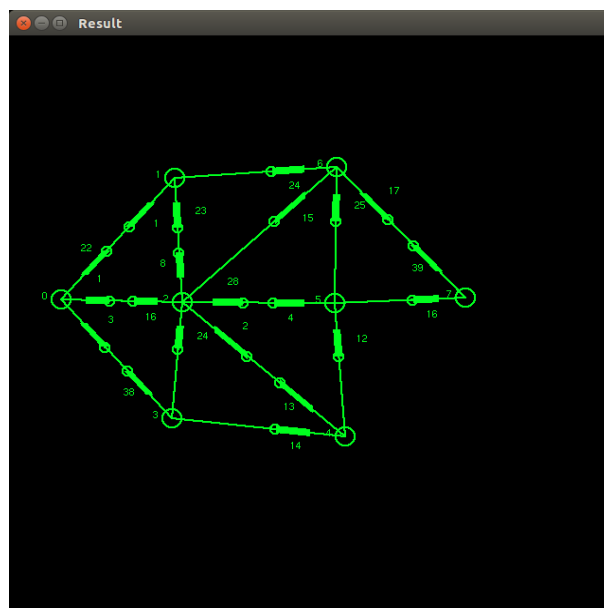


Figure 2: Residual Graph 1

2. FF with delta scanning took 8 iterations to get maximum flow for the input1 digraph. Whereas FF without delta scanning took 10 iterations for the input2 digraph.

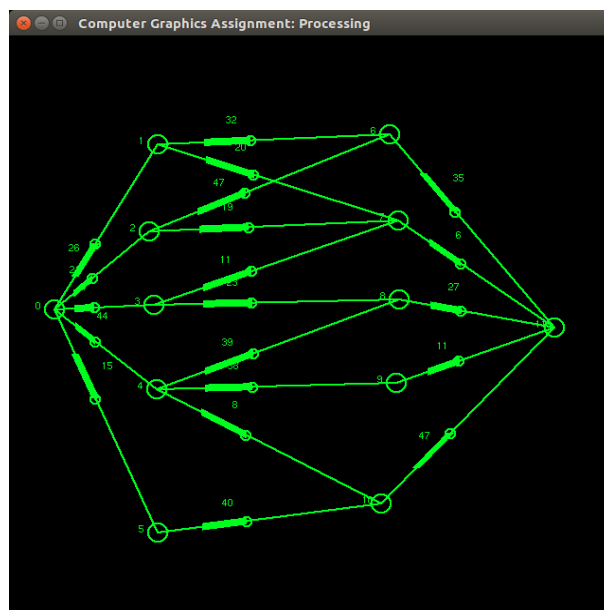


Figure 3: Input 2

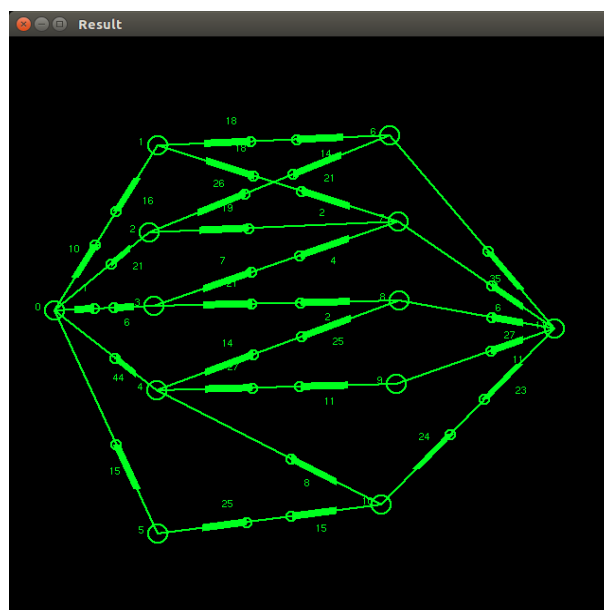


Figure 4: Residual Graph 2

3. FF with delta scanning took 4 iterations to get maximum flow for the input1 digraph. Whereas FF without delta scanning took 6 iterations for the input2 digraph.

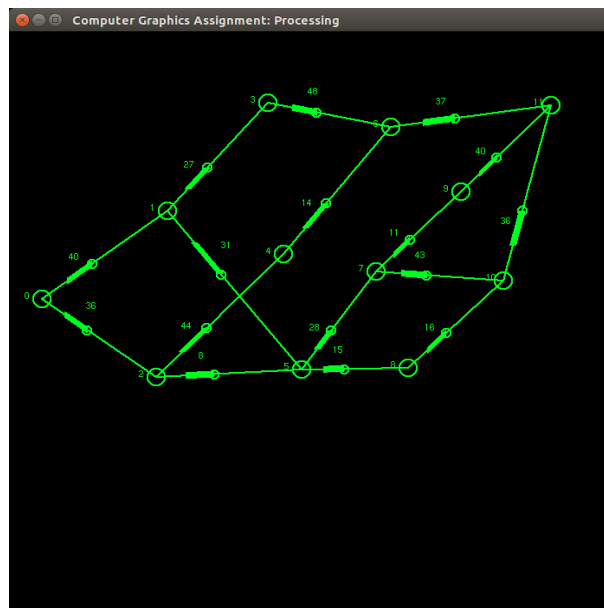


Figure 5: Input 3

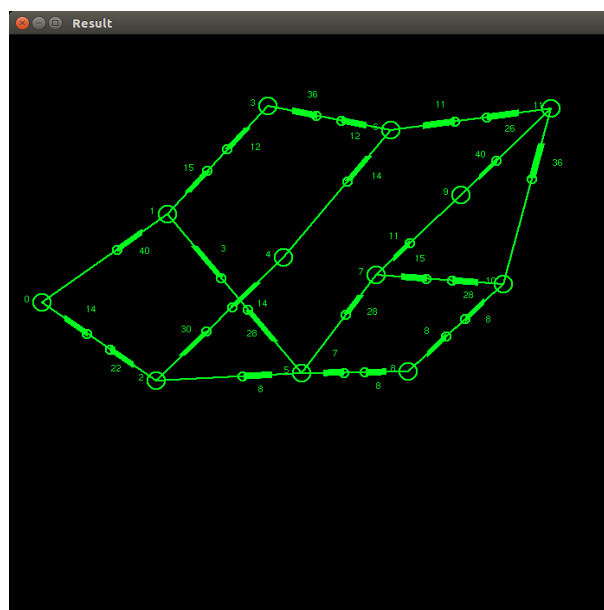


Figure 6: Residual Graph 3