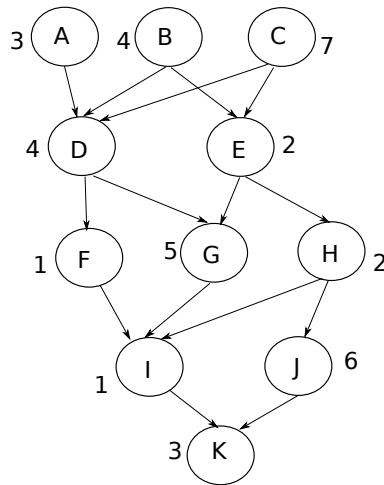


# Module 2 - HW 1 - Formal Representation of Parallelism

September 9, 2024

## 1 Question (25 pts)

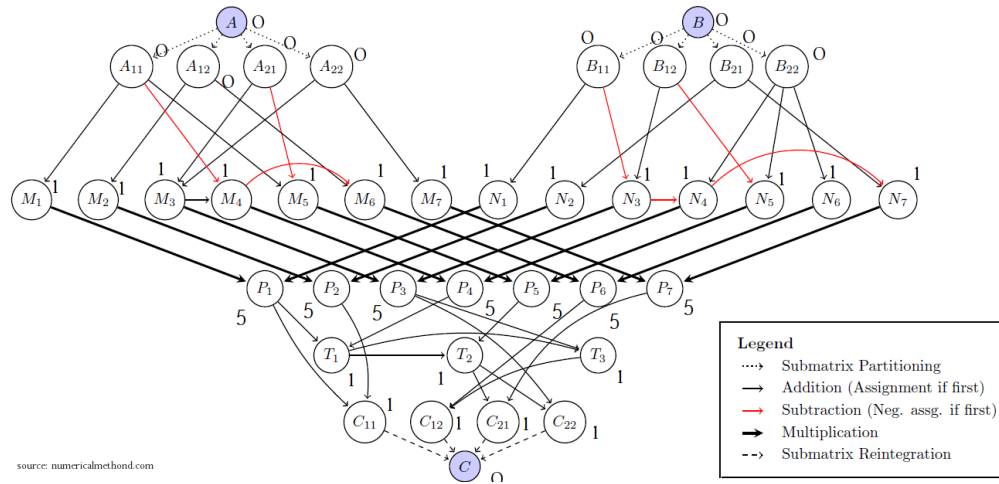


**Question:** What is the work of this task graph?

**Question:** What is the width of this task graph?

**Question:** What is the critical chain of this task graph? What is its length?

## 2 Strassen (25 pts)

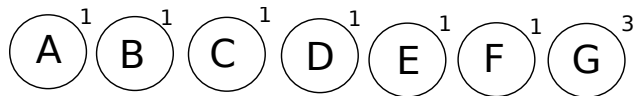


**Question:** What is the work of this task graph?

**Question:** What is the width of this task graph? (Estimates are fine.)

**Question:** What is the critical chain of this task graph? What is its length?

## 3 Independent Tasks 1 (25 pts)

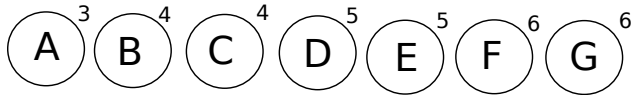


**Question:** What is the work of this task graph?

**Question:** What is the width of this task graph?

**Question:** What is the critical chain of this task graph? What is its length?

#### 4 Independent Tasks 2 (25 pts)



**Question:** What is the work of this task graph?

**Question:** What is the width of this task graph?

**Question:** What is the critical chain of this task graph? What is its length?