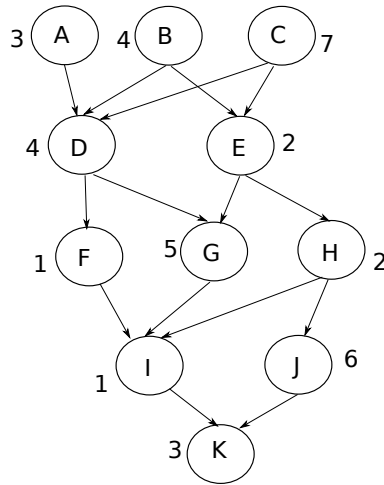


# Parallel Task Graphs and Metrics

## 1 Midterm Fall 2017



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

38

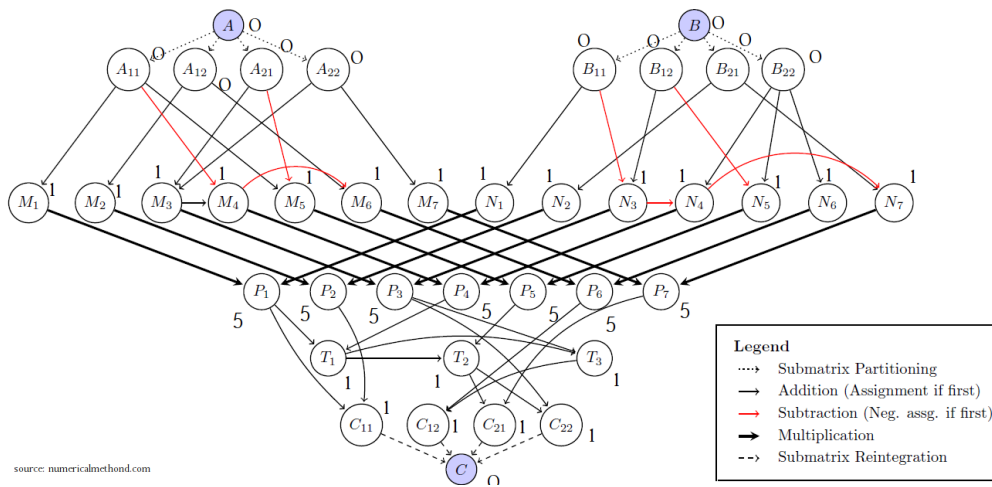
**Question:** What is the width of this task graph?

3

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

C>E>H>J>K, 20

## 2 Strassen



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

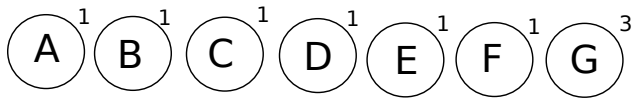
56

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

11

**Question:** What is the critical chain of this task graph? What is its length? A>A21>M3>M4>P4>T1>T3>C12>C, 10

### 3 Independent Tasks 1



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

9

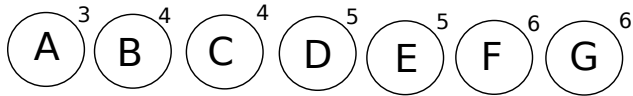
**Question:** What is the width of this task graph?

7

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

G, 3

### 4 Independent Tasks 2



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

33

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

7

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

G or F, 6