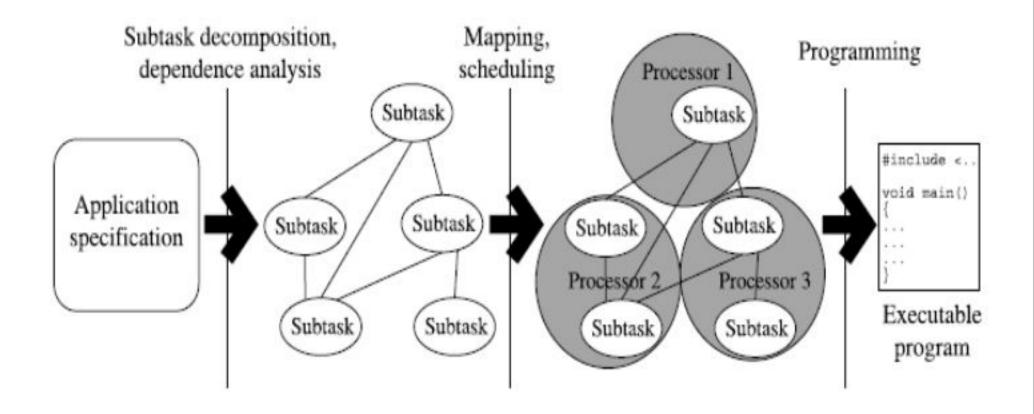
Parallel programming—process of parallelization

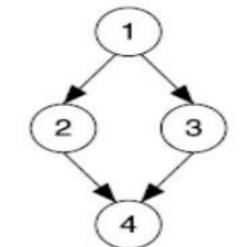


$$1: a = 2$$

$$2: u = a + 2$$

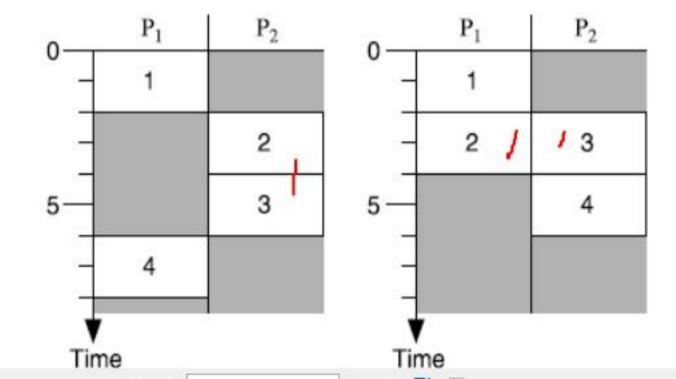
$$3: v = a * 7$$

$$4: x = u + v$$



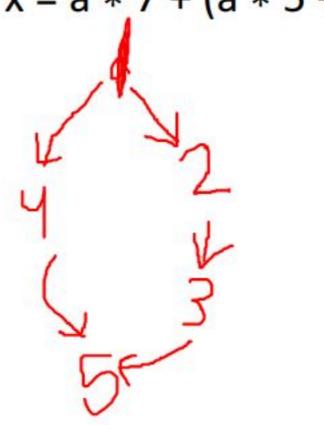


Example of task graph representing a small program segment.





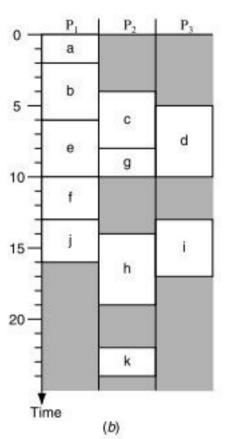
Example 2 Program for x = a * 7 + (a * 5 + 2)

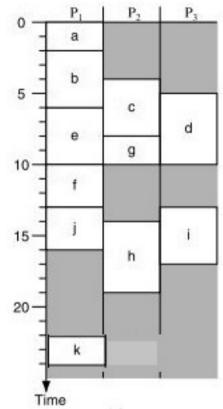


Without Communication cost 10 h 15 Time

Breadth ****

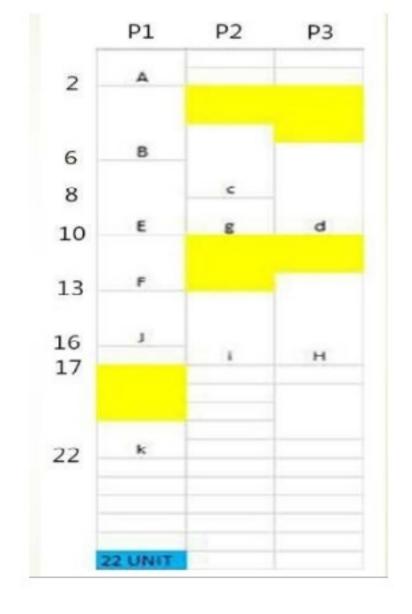
(a)

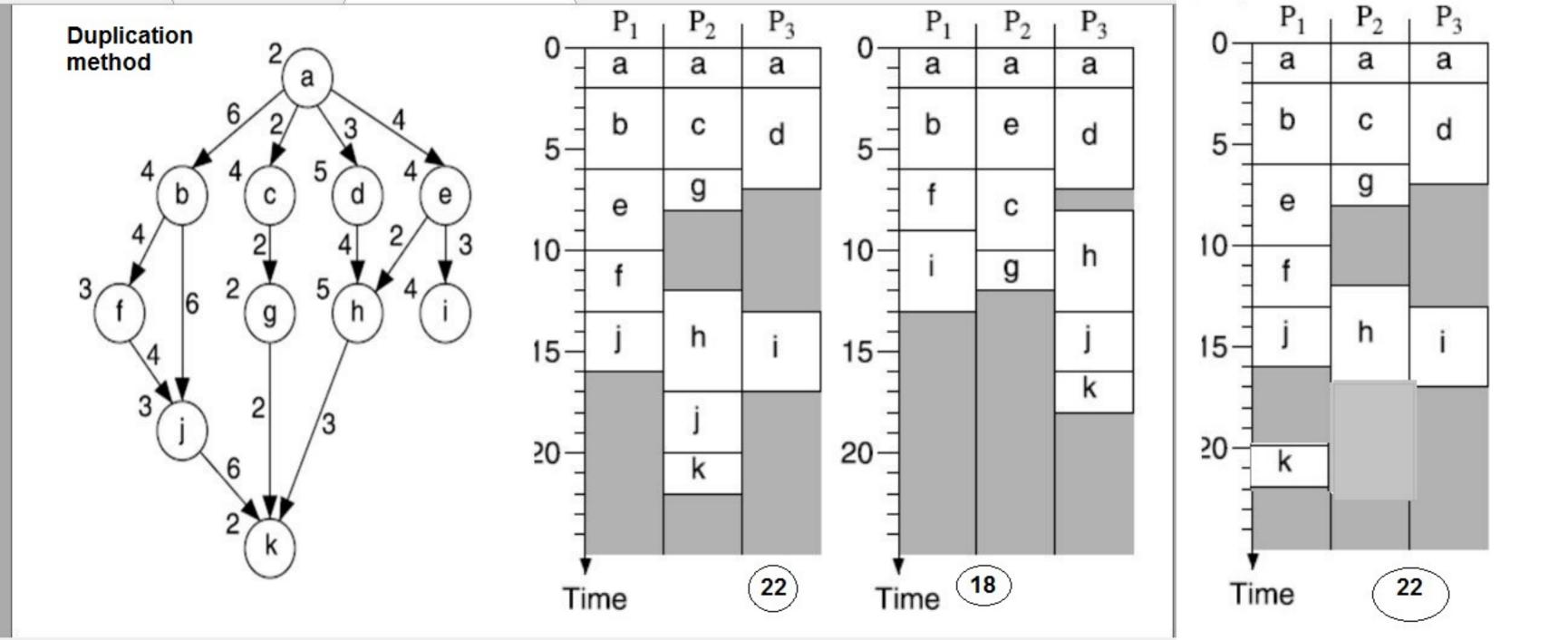


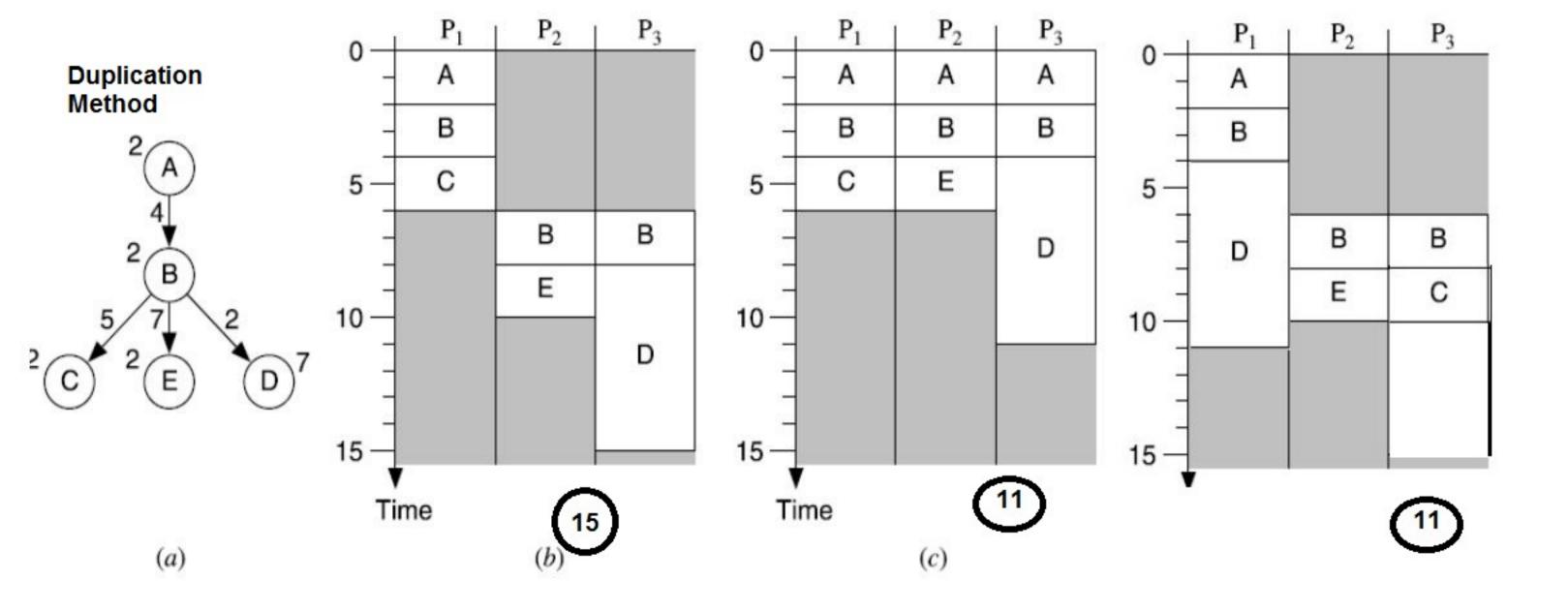












4- CLUSTRING

Clustering

 Different ways to cluster a task graph

