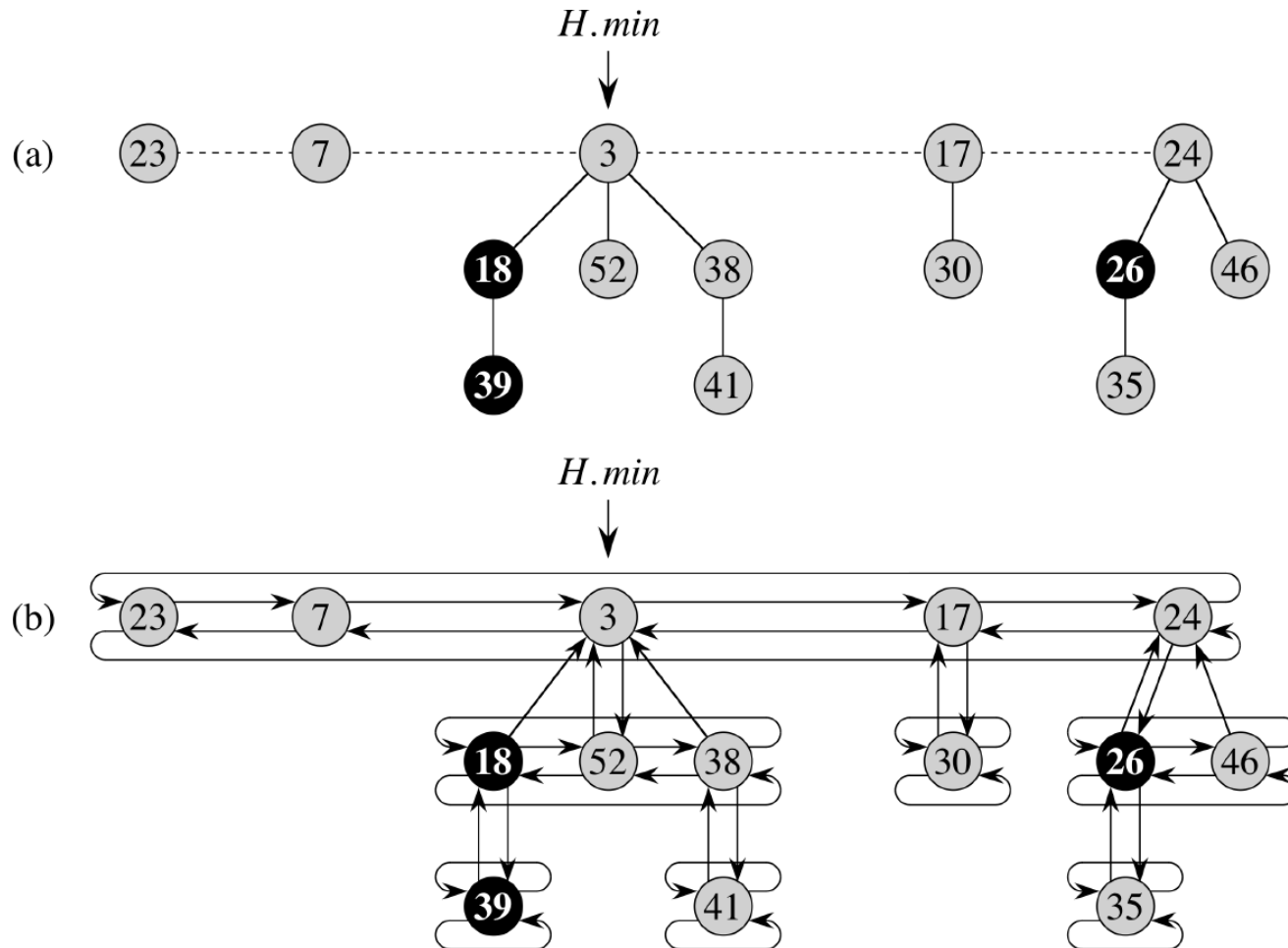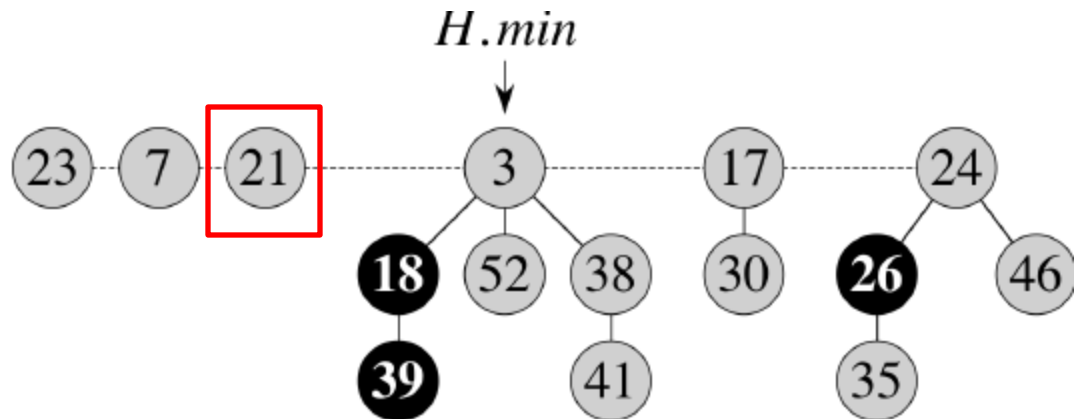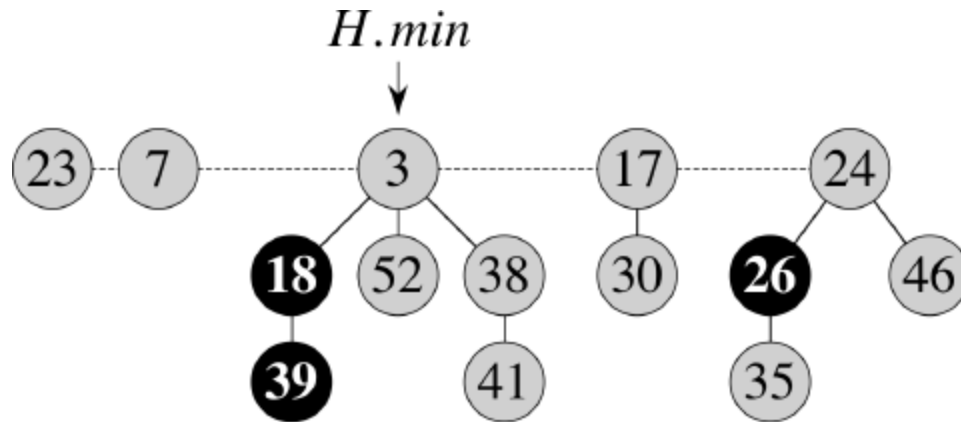# ICS 621 Spring 2012
Fibonacci Heaps

Asst. Prof. Lipyeow Lim

Information and Computer Sciences Department

University of Hawaii at Mānoa

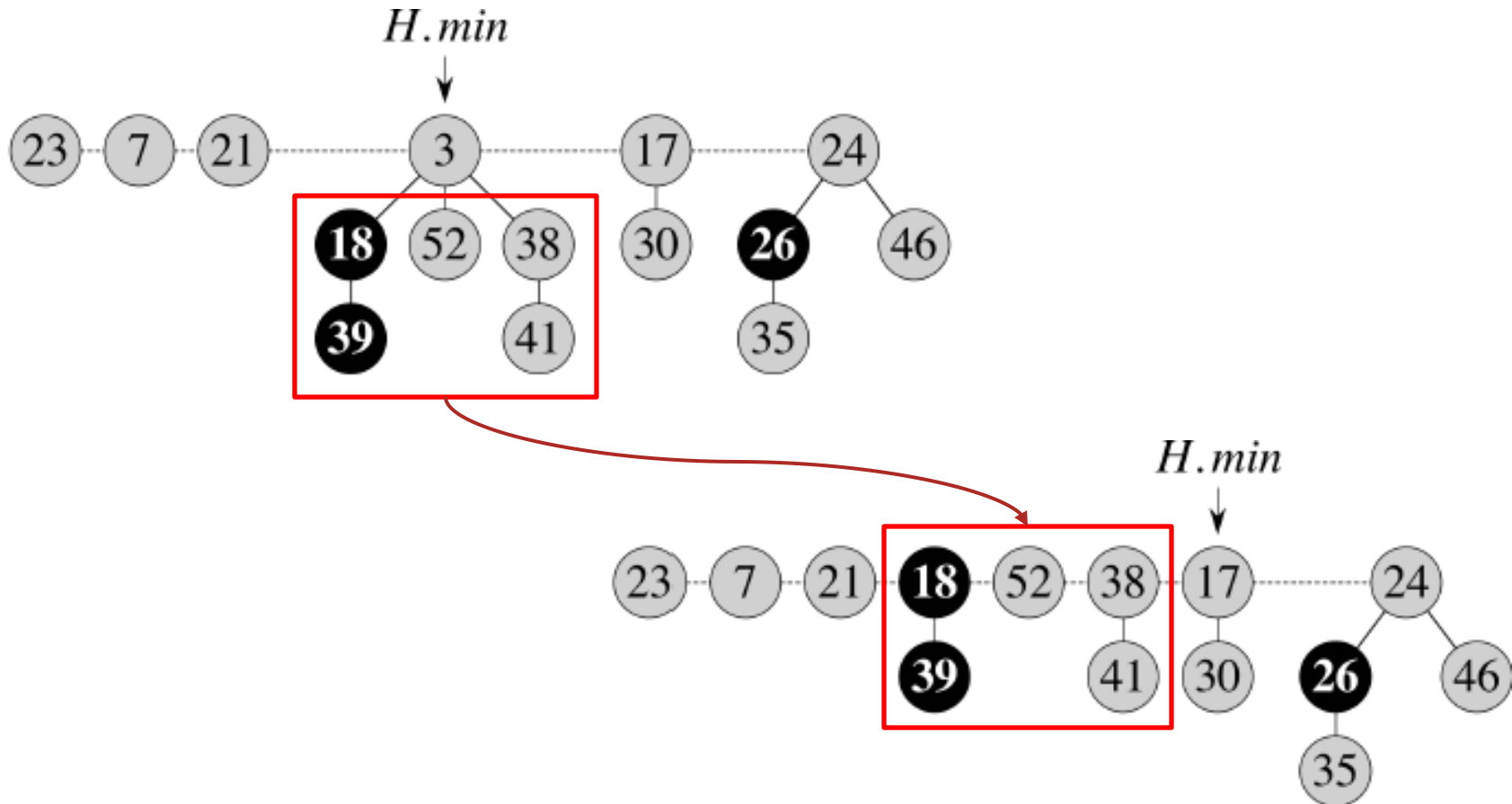# Implementation of Fibonacci Heaps

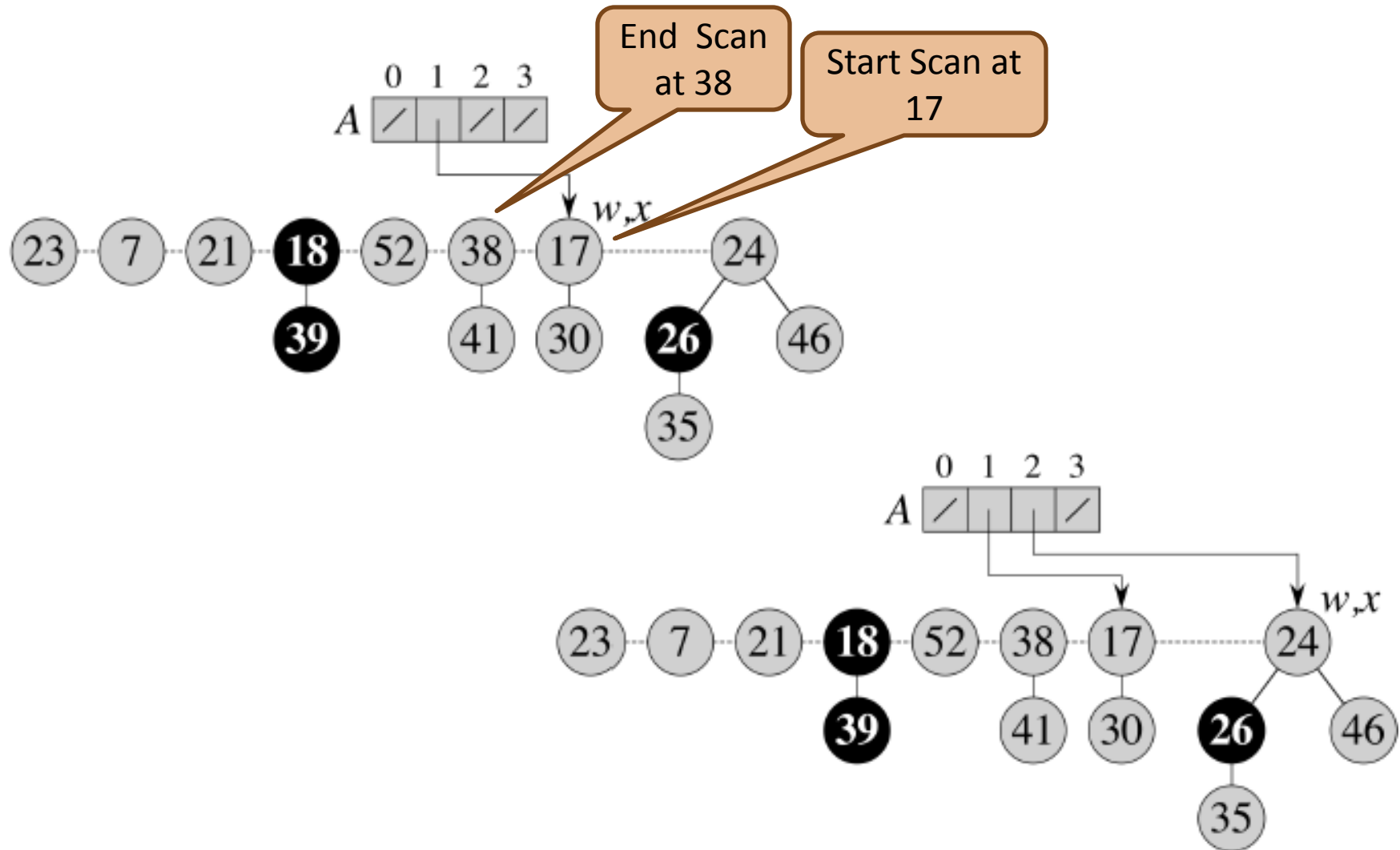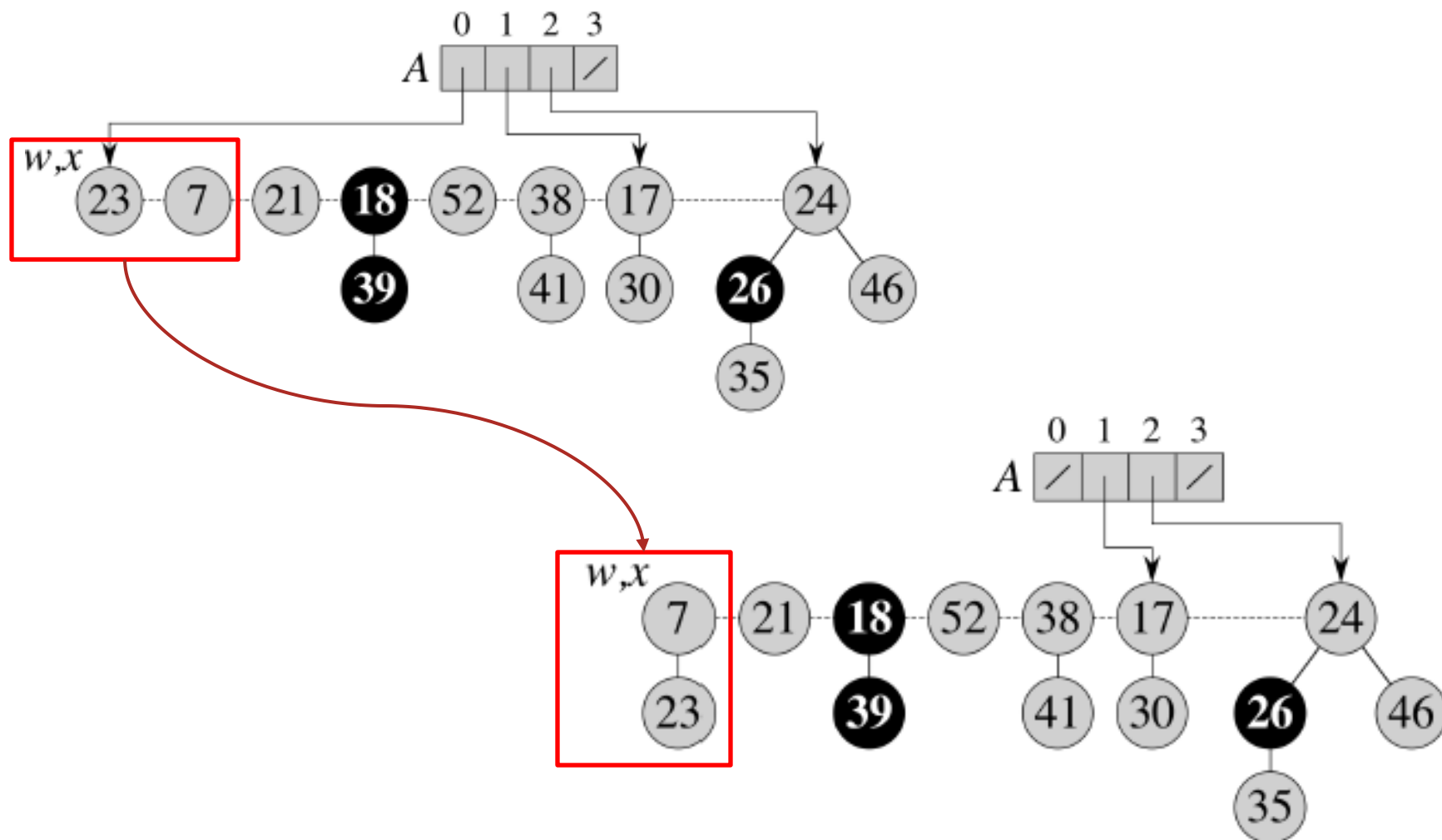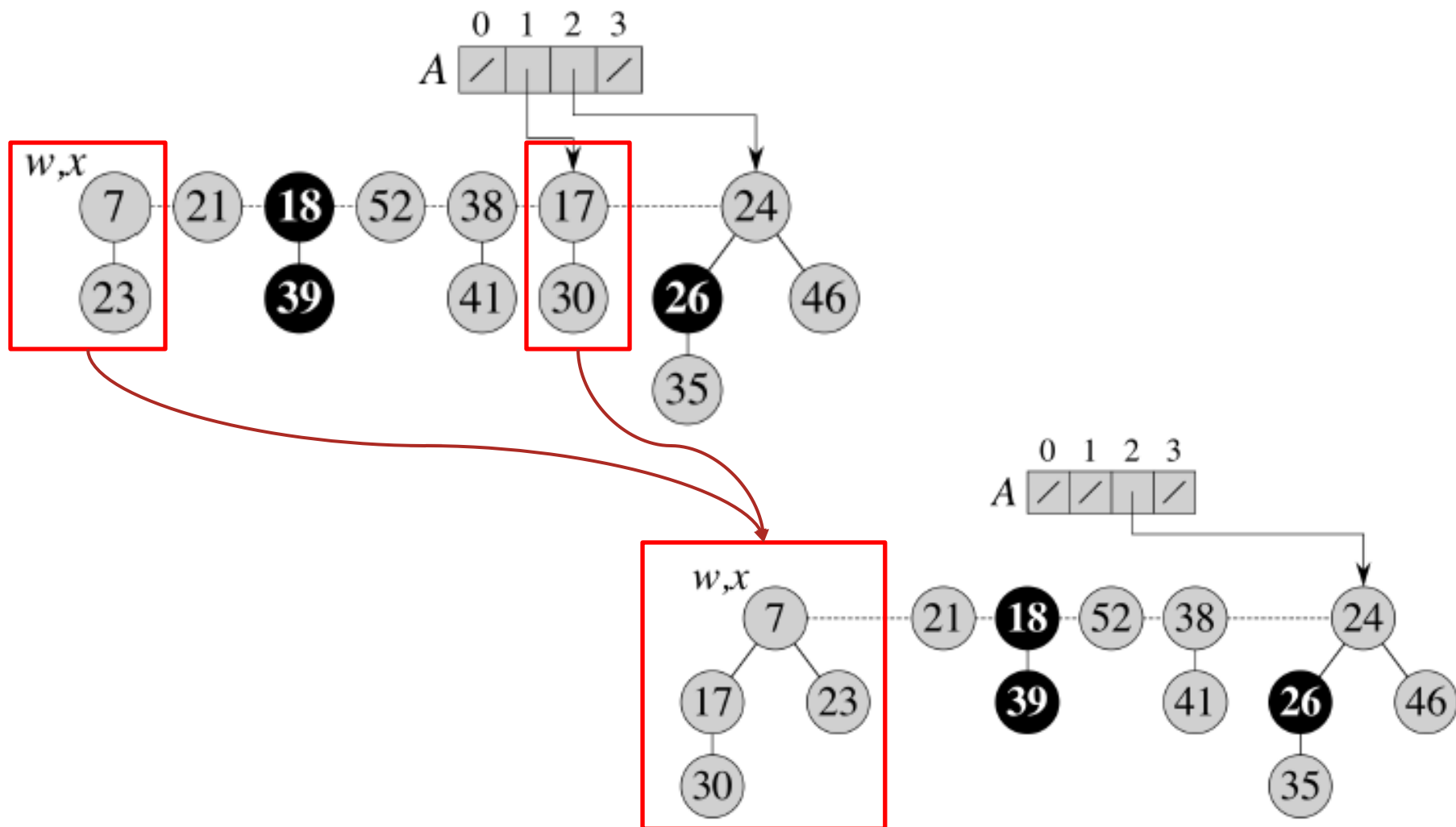# Insert(H, 21)

Extract-Min(H)

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Consolidate Trees with Same Degree

Consolidate Trees (2)

Consolidate Trees (3)

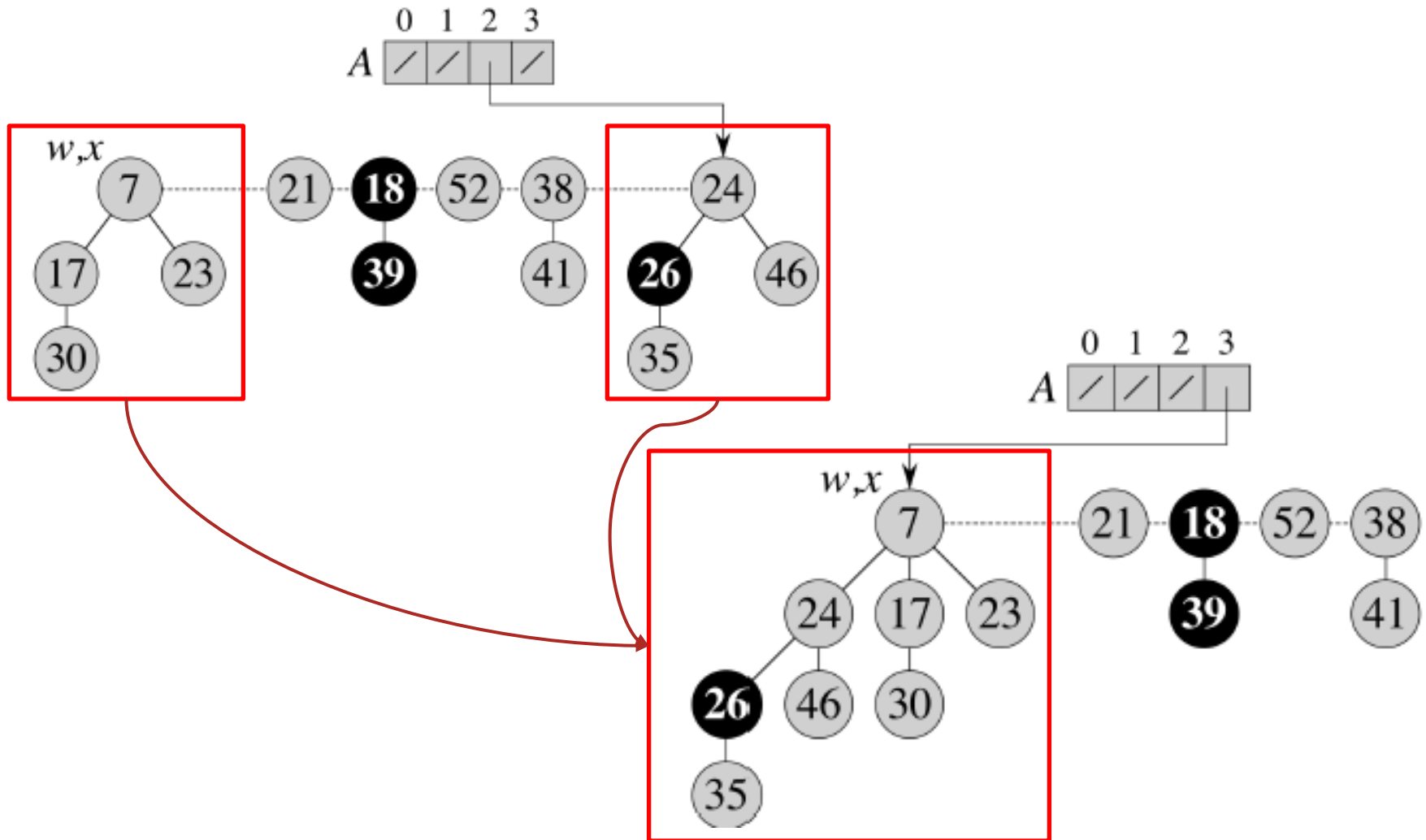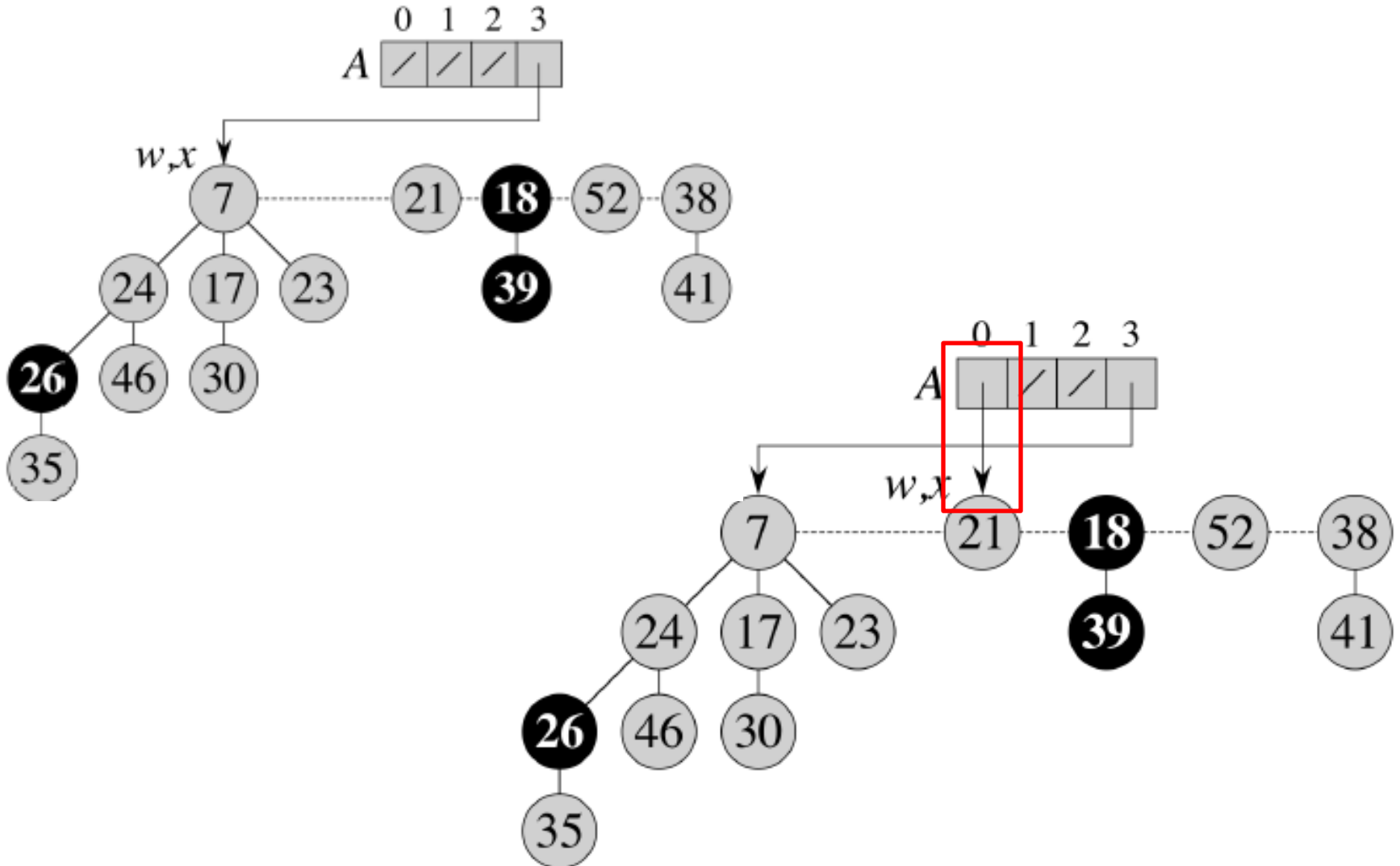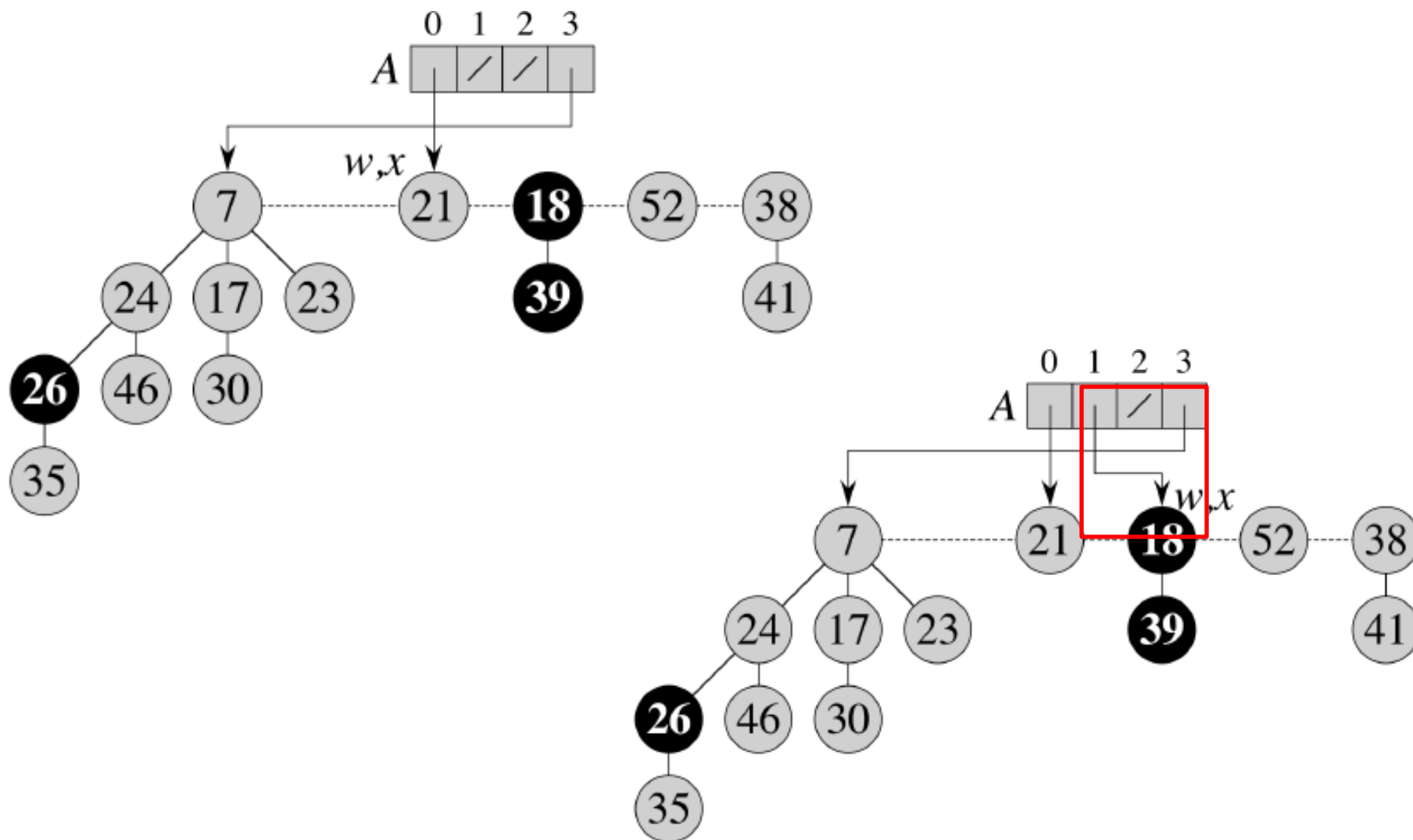ICS621 Analysis of Algorithms - Lipyeow Lim
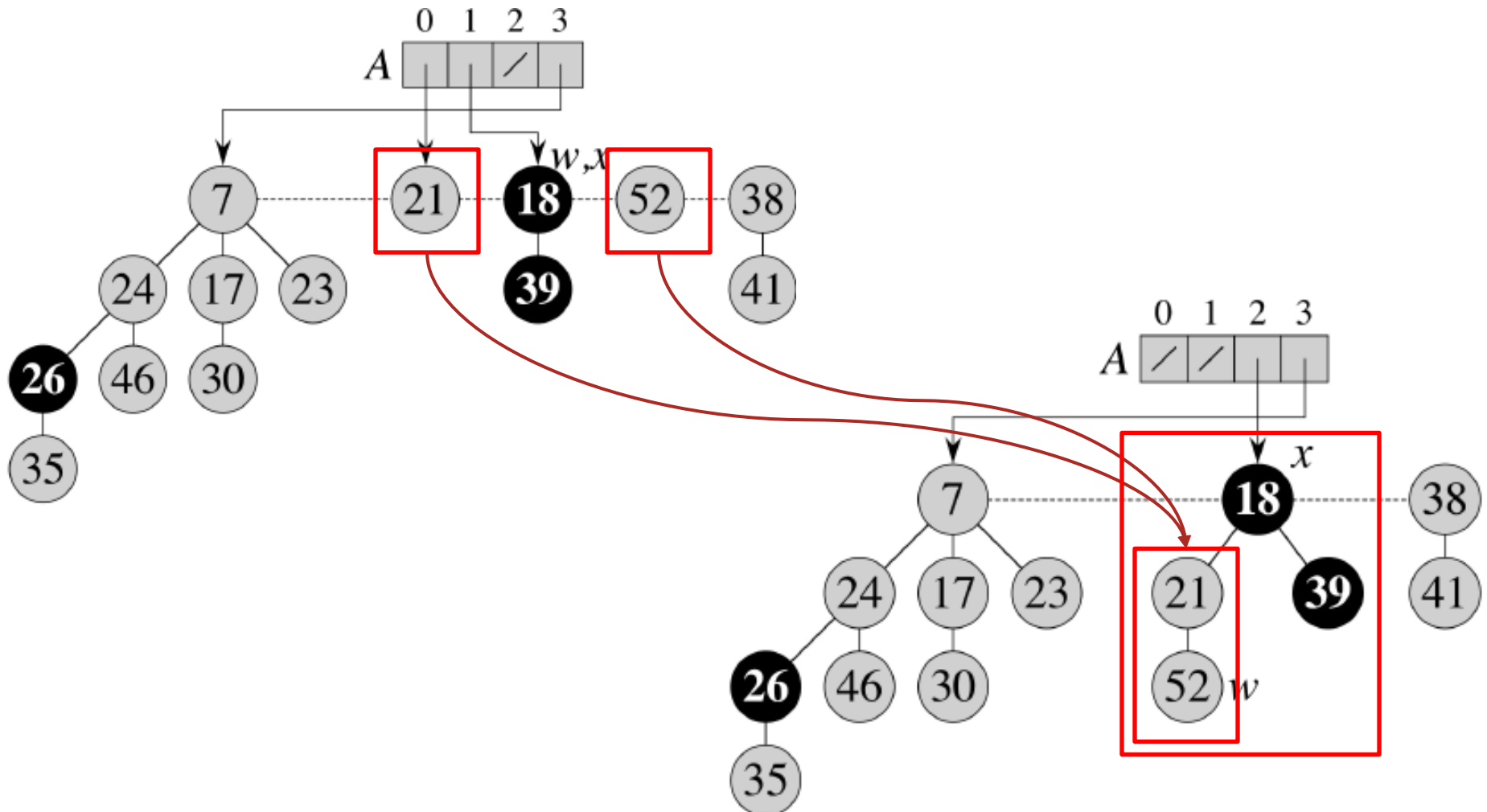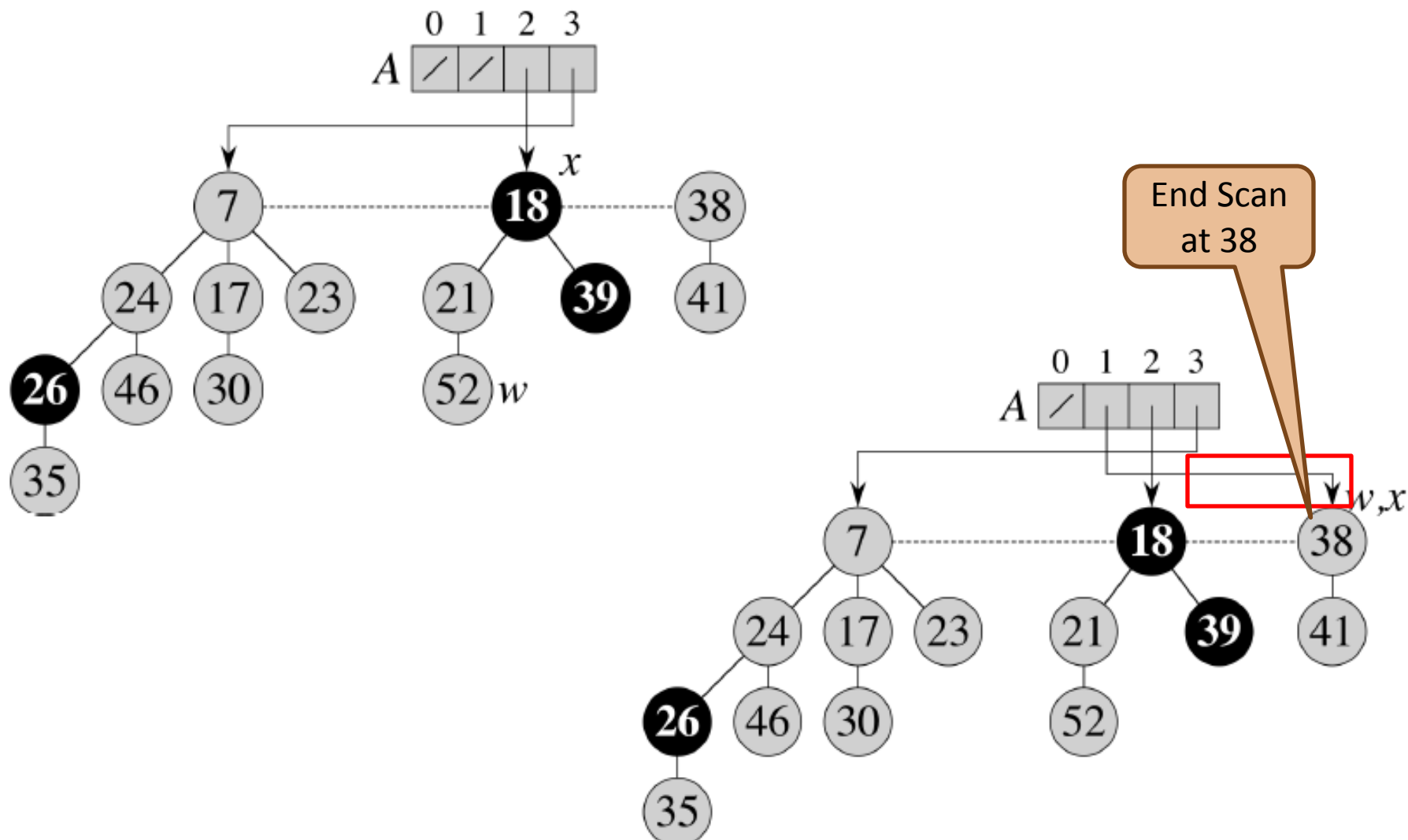
Consolidate Trees (4)

Consolidate Trees (5)

Consolidate Trees (6)
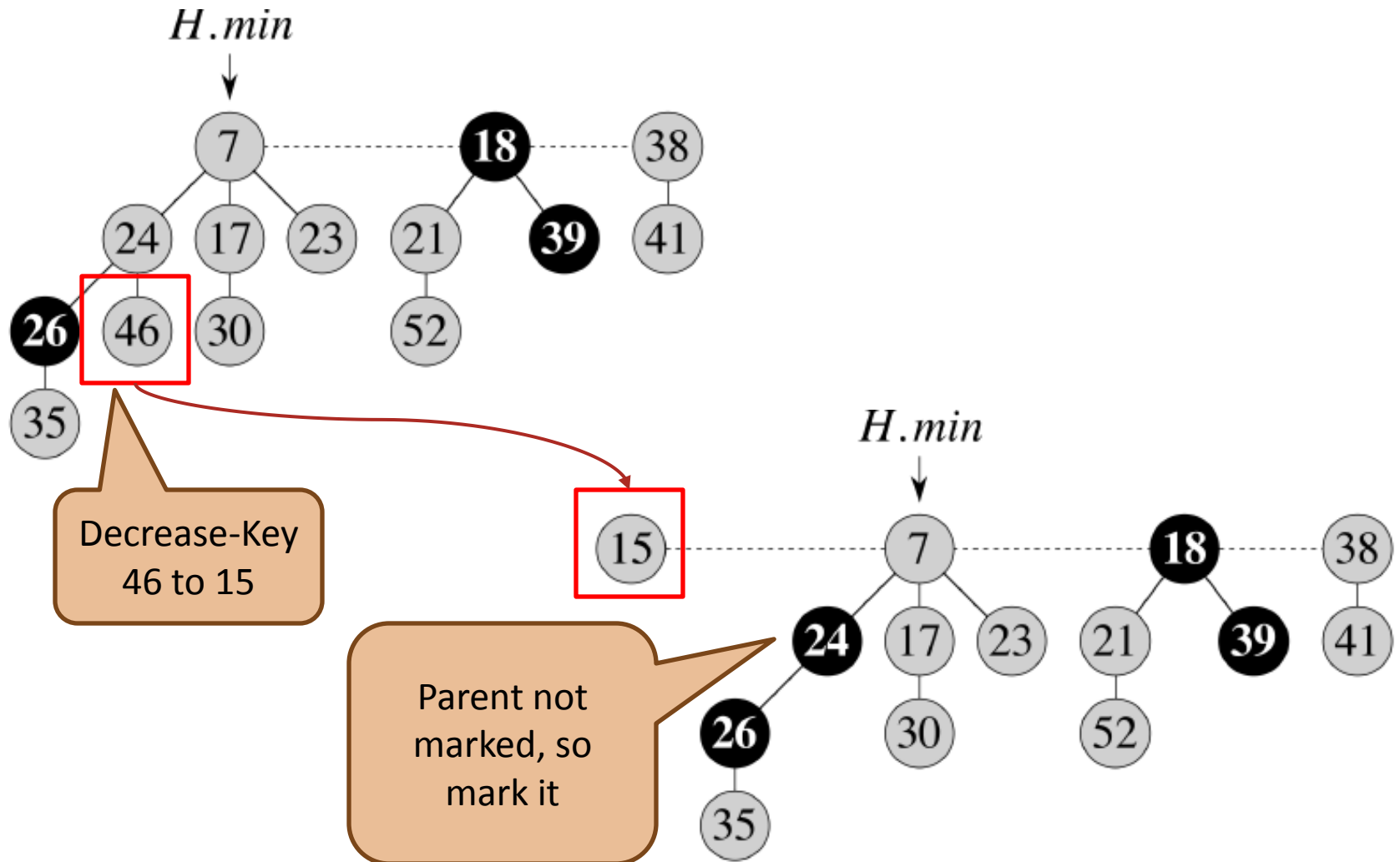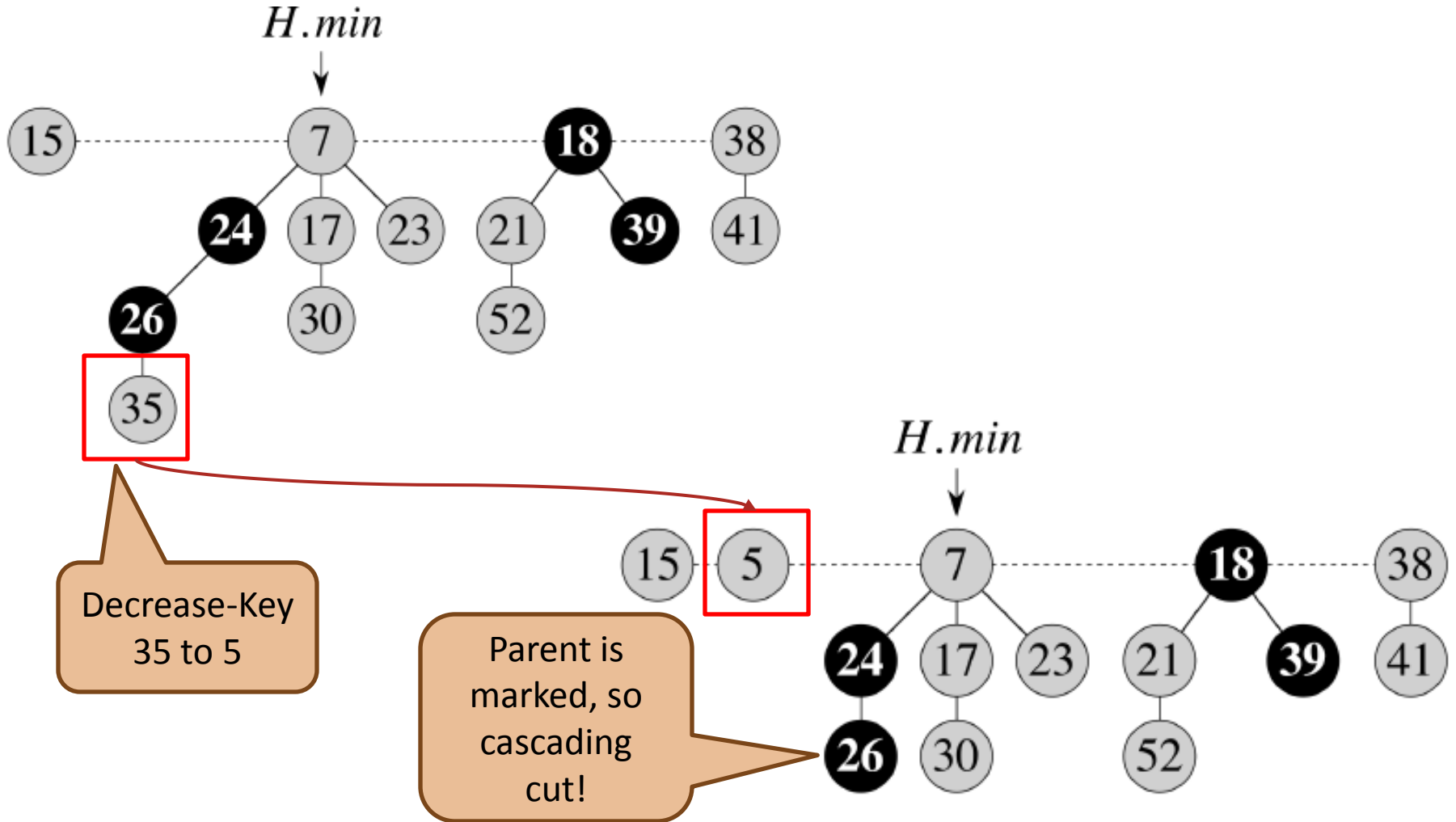
Consolidate Trees (7)

Consolidate Trees (8)

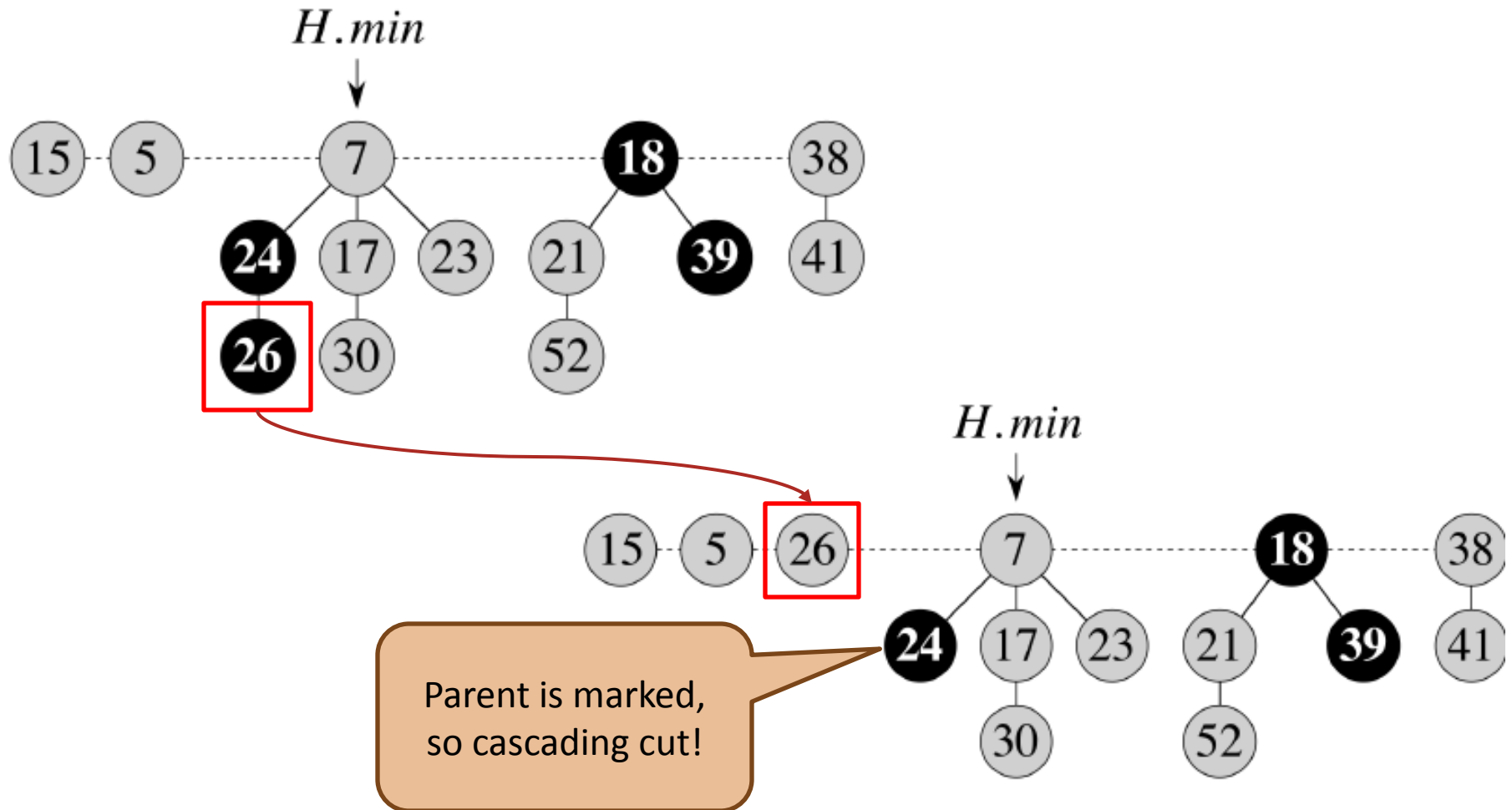ICS621 Analysis of Algorithms - Lipyeow Lim

Decrease-Key : 46 to15

Decrease-Key : 35 to 5

Cascading-Cut (1)

Cascading-Cut (2)

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