



UNIVERSITY OF CALIFORNIA, BERKELEY
COLLEGE OF ENGINEERING
SCHOENFELDER SCHOOL OF MATHEMATICAL

Priority Queue with Max Heap

Motivation

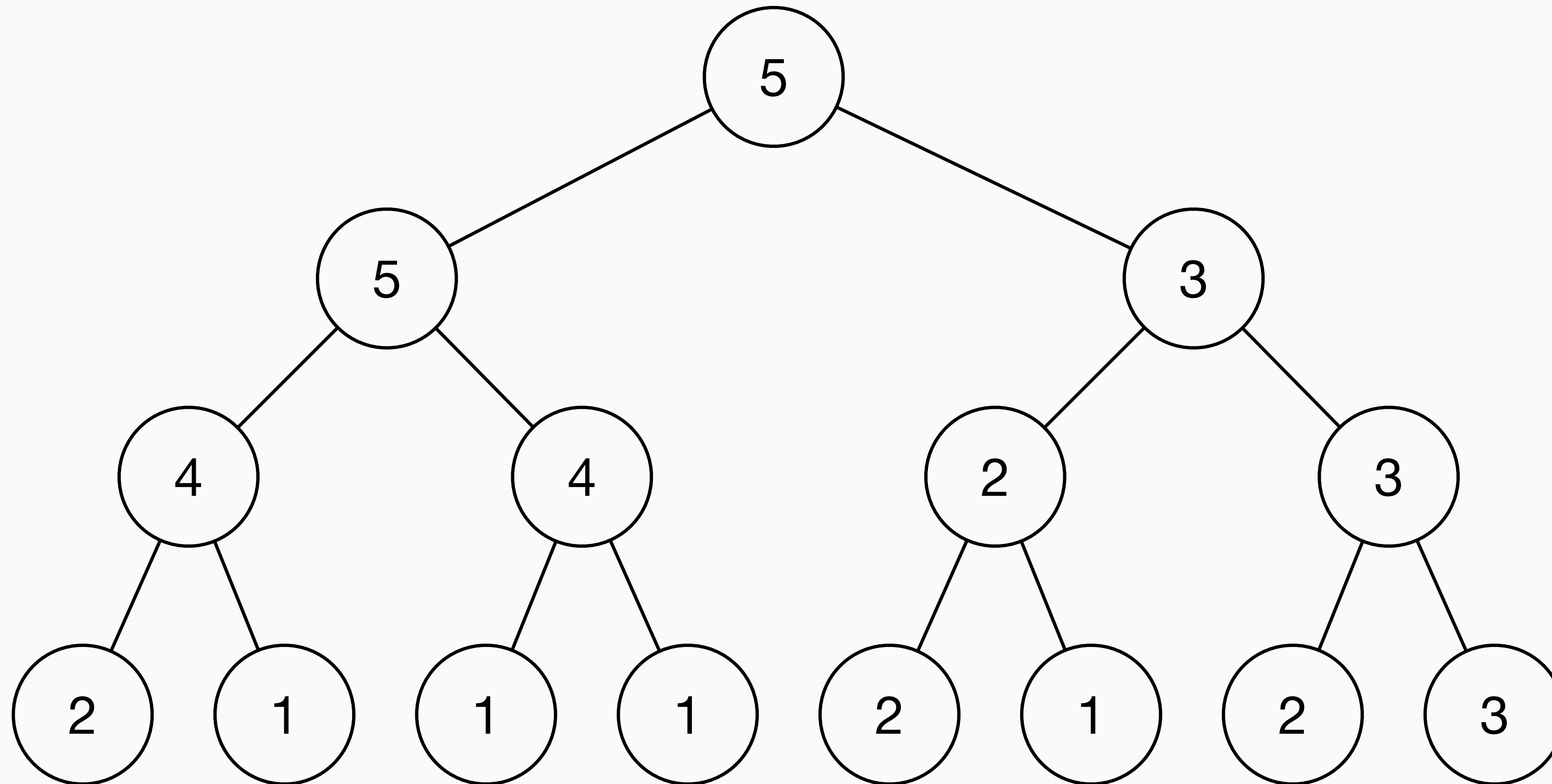
io i e e

Implementation

- *ma hea* *ma im m*
- *min hea* *minim m*

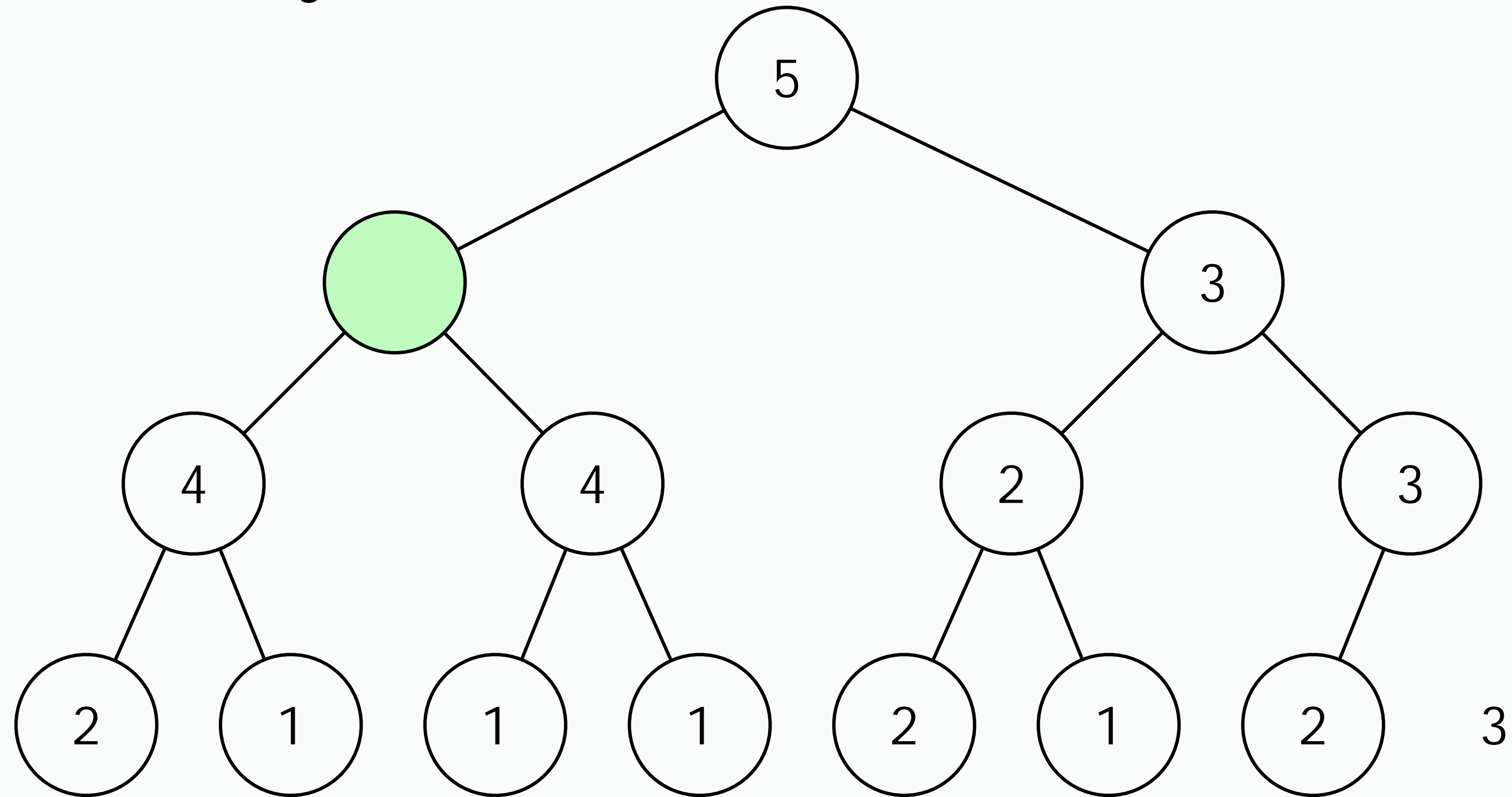
Priority queue

Priority queue



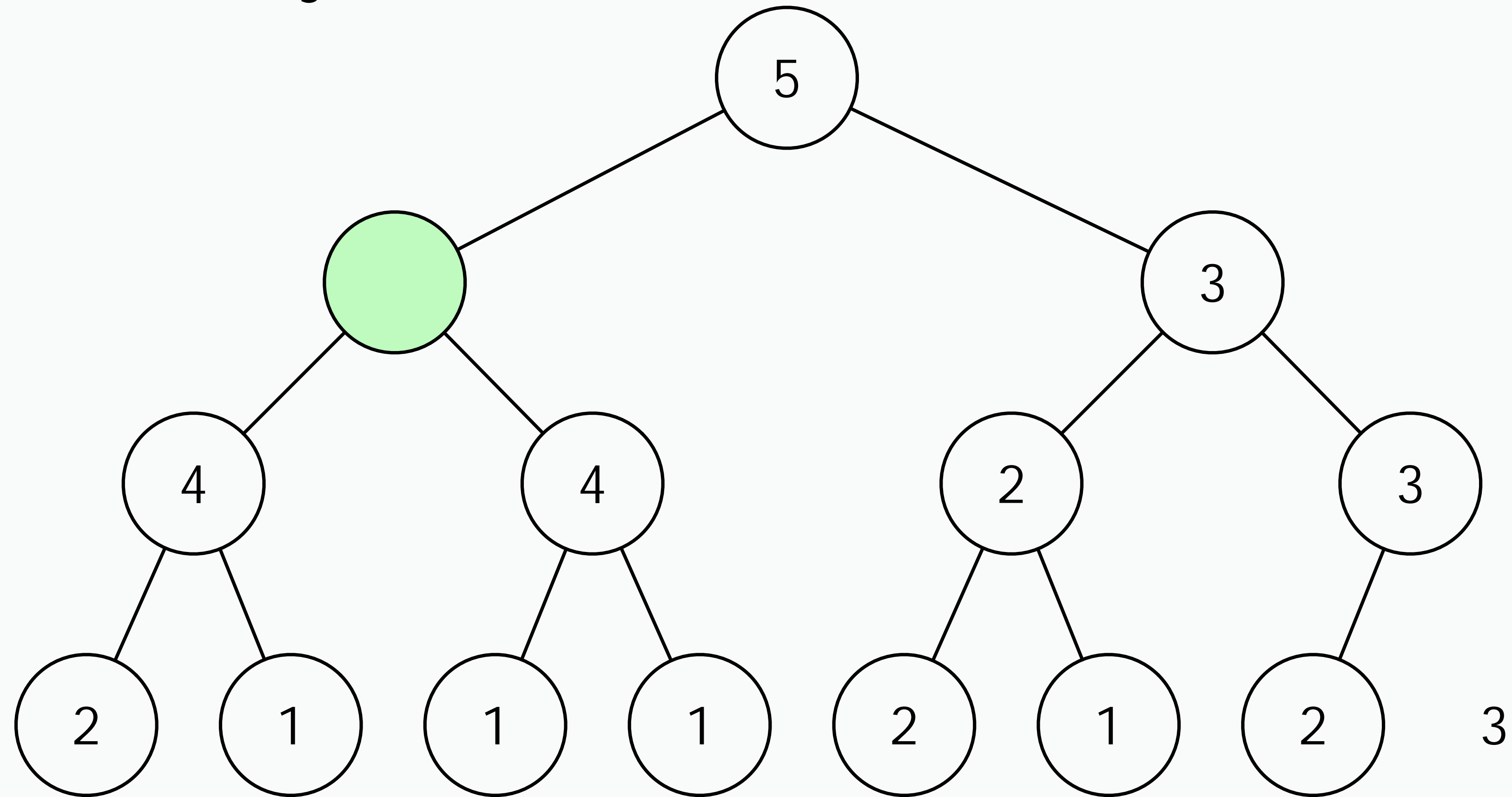
Priority queue

Process the first job...



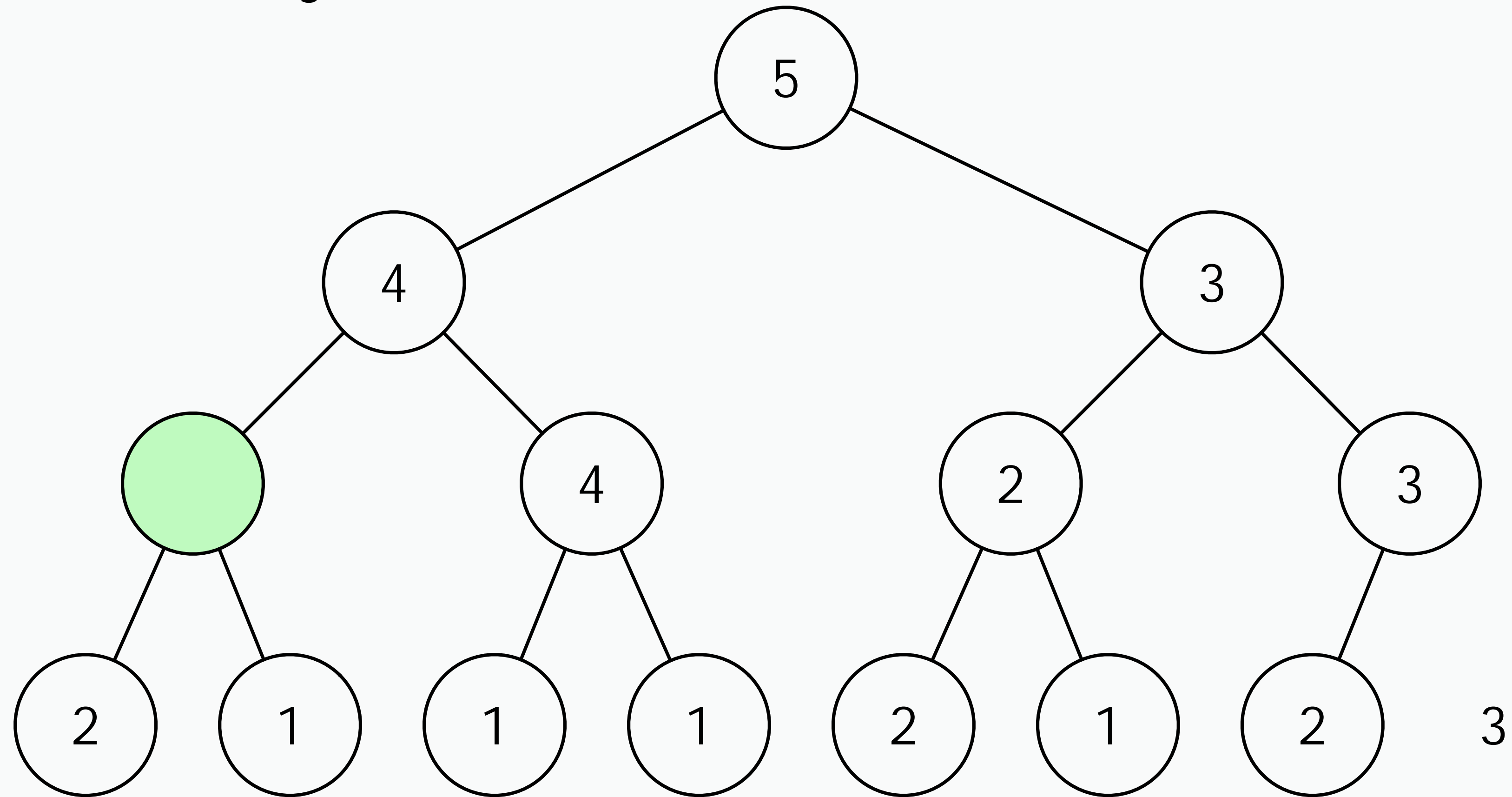
Priority queue

Process the first job...



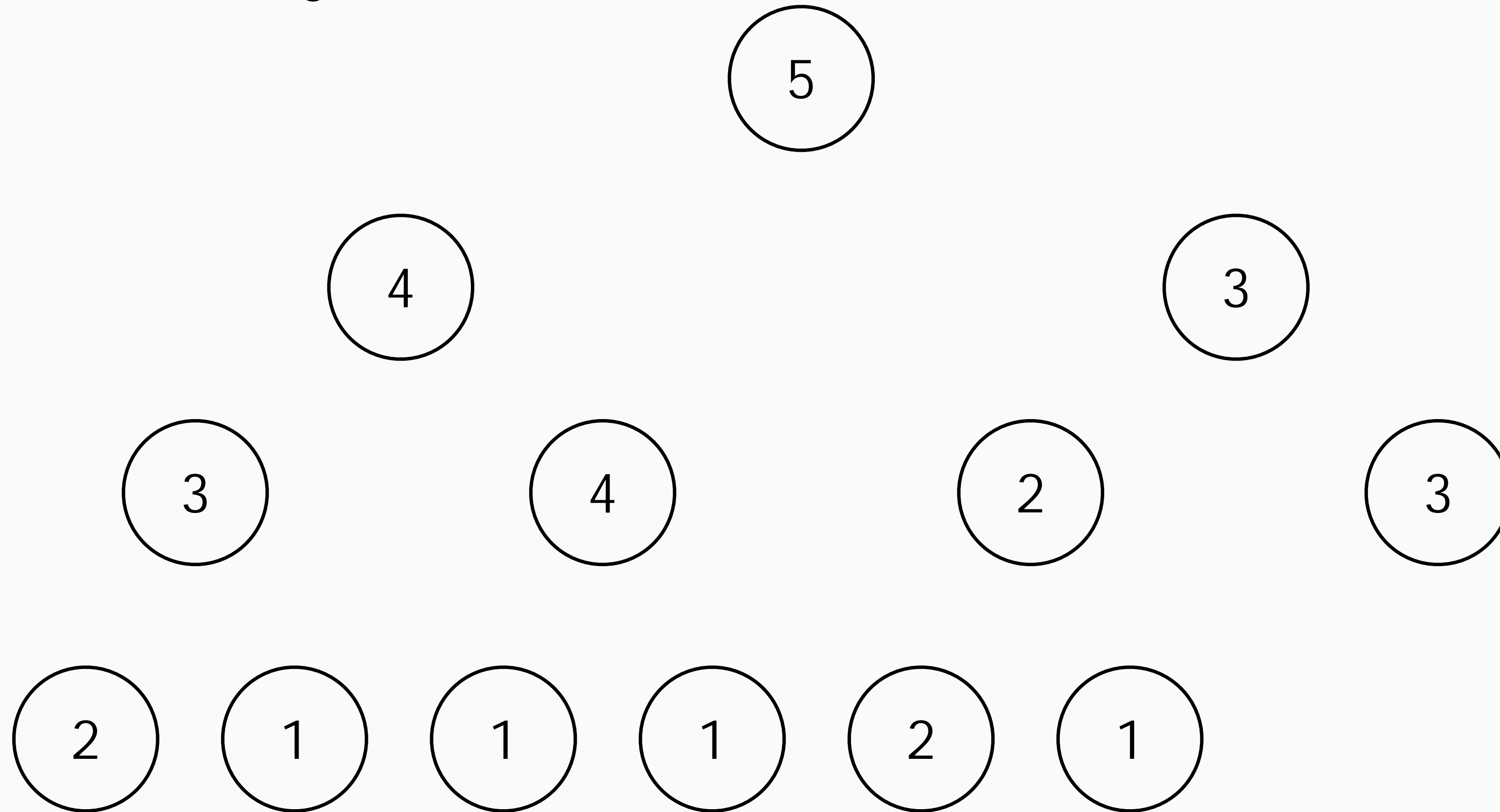
Priority queue

Process the first job...



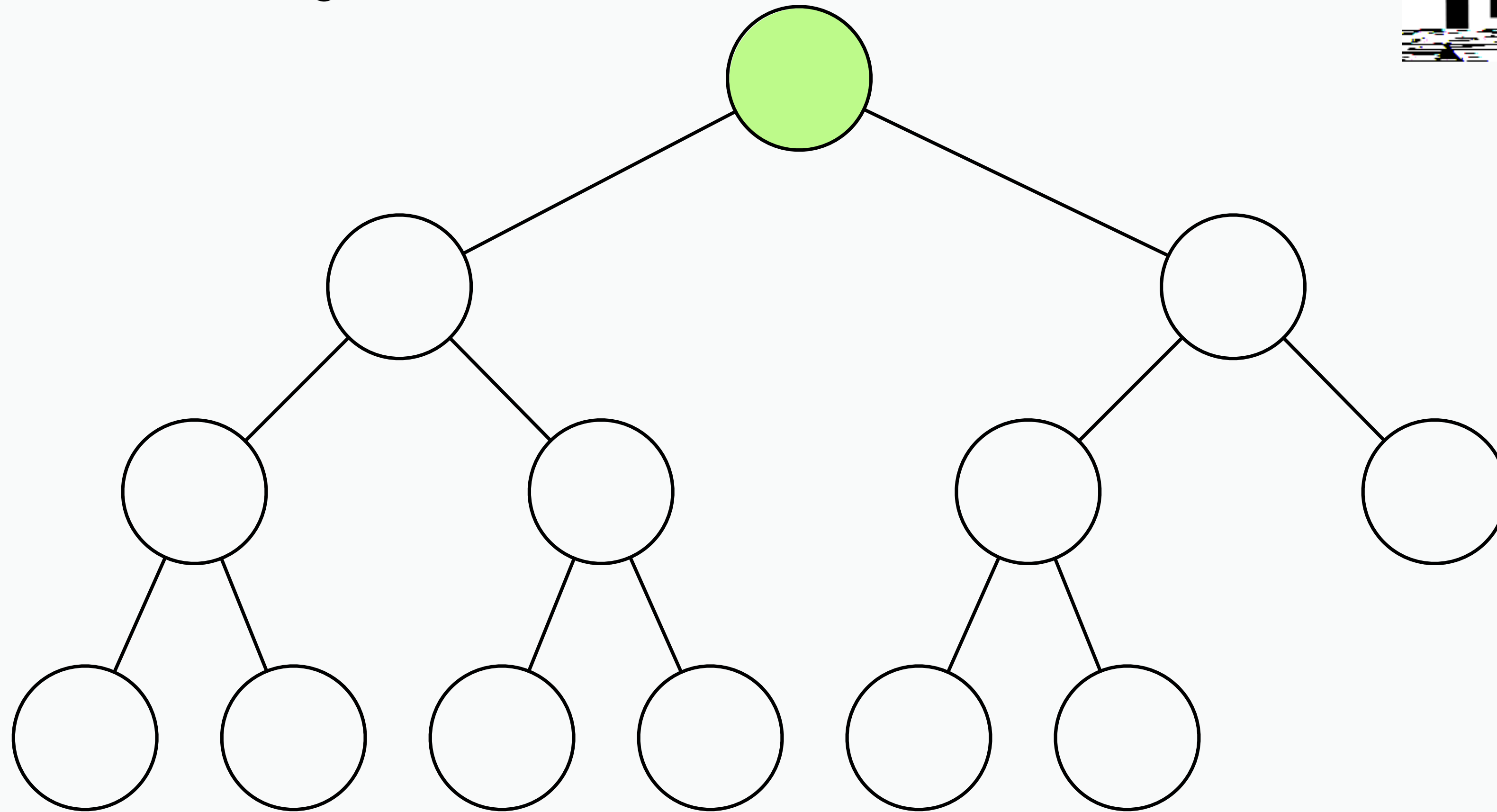
Priority queue

Process the first job. Done!



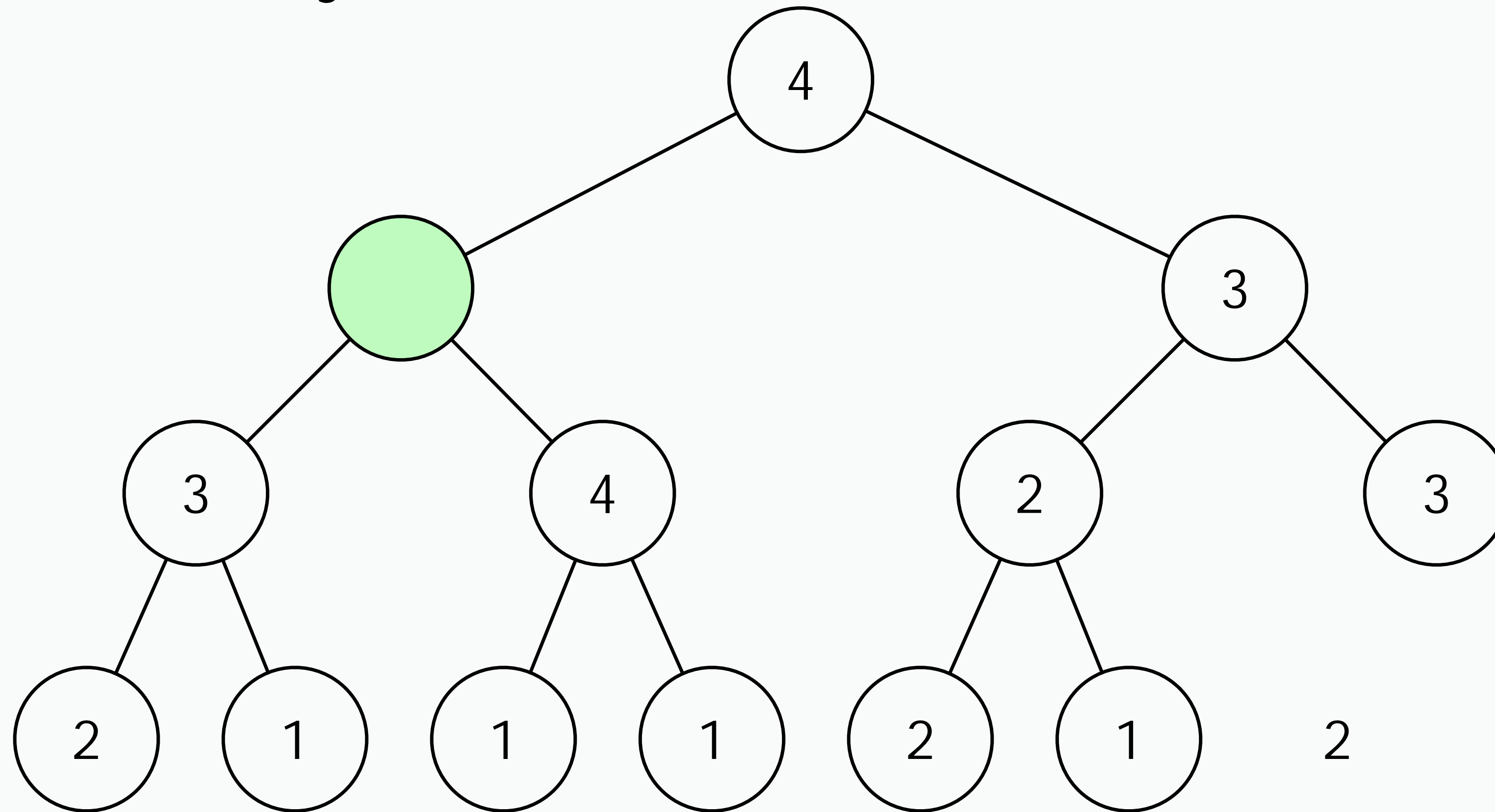
Priority queue

Process the next job...



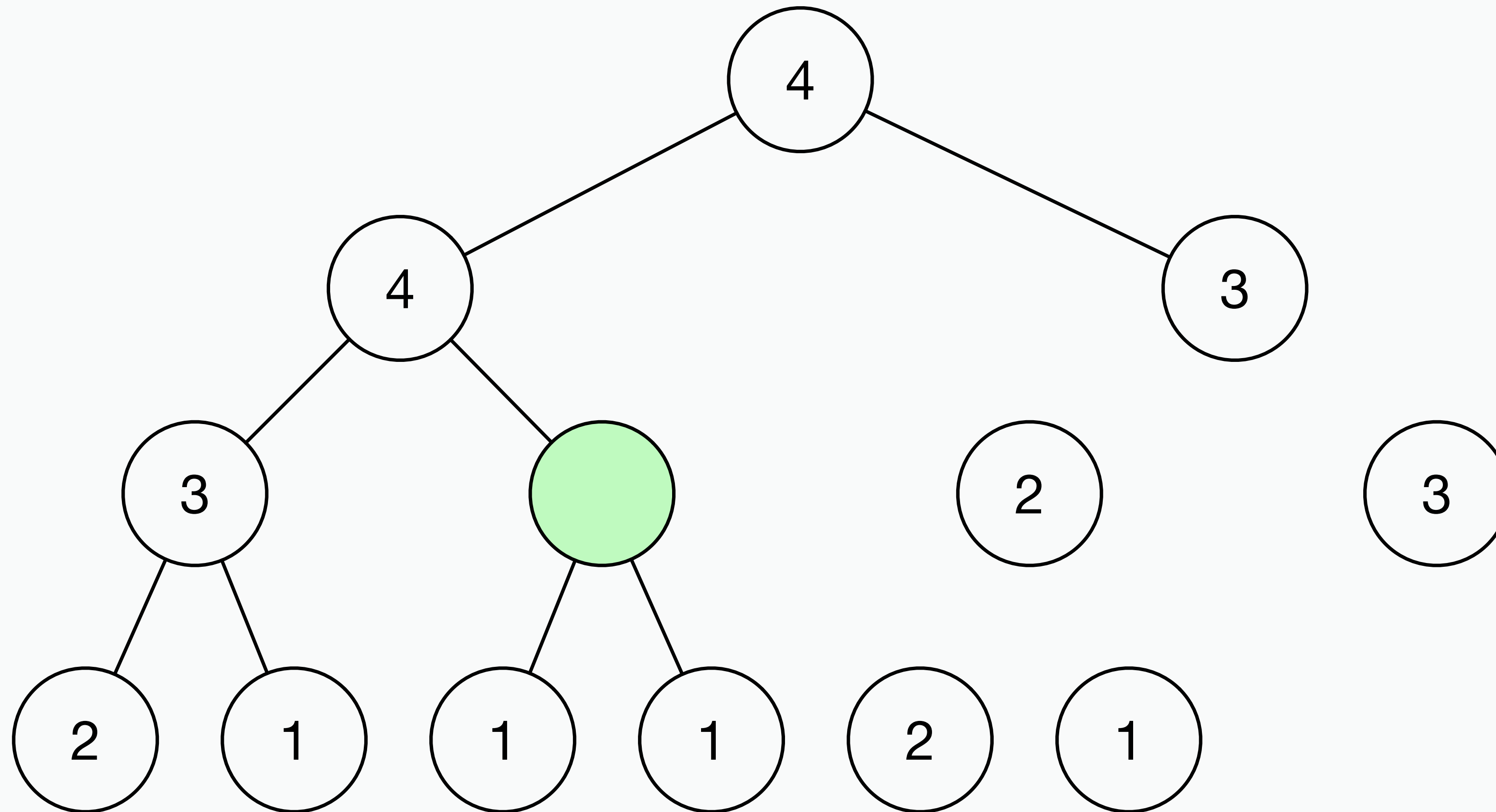
Priority queue

Process the next job...



Priority queue

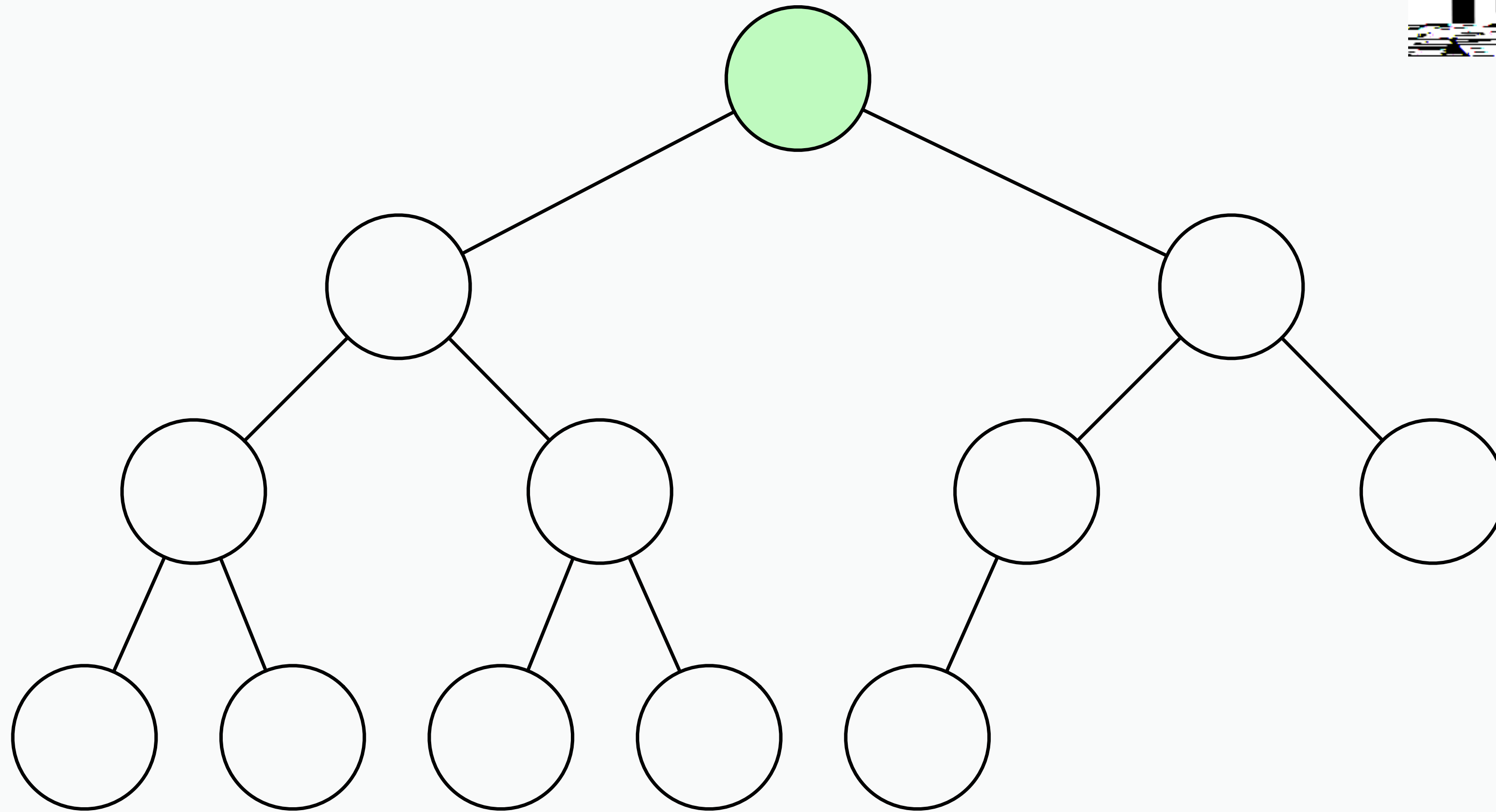
Process the next job...



Priority queue

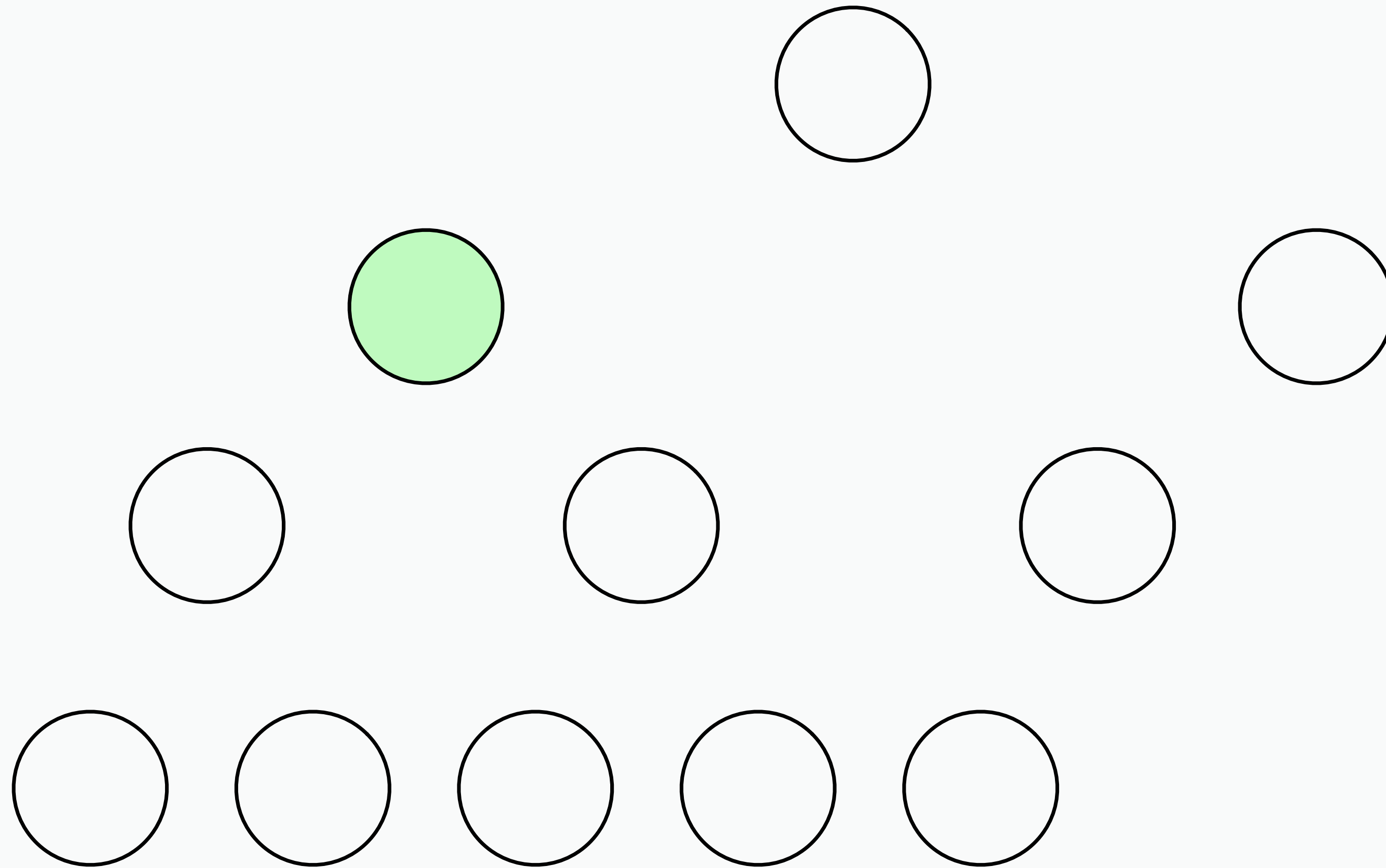
Priority queue

Process one more job...



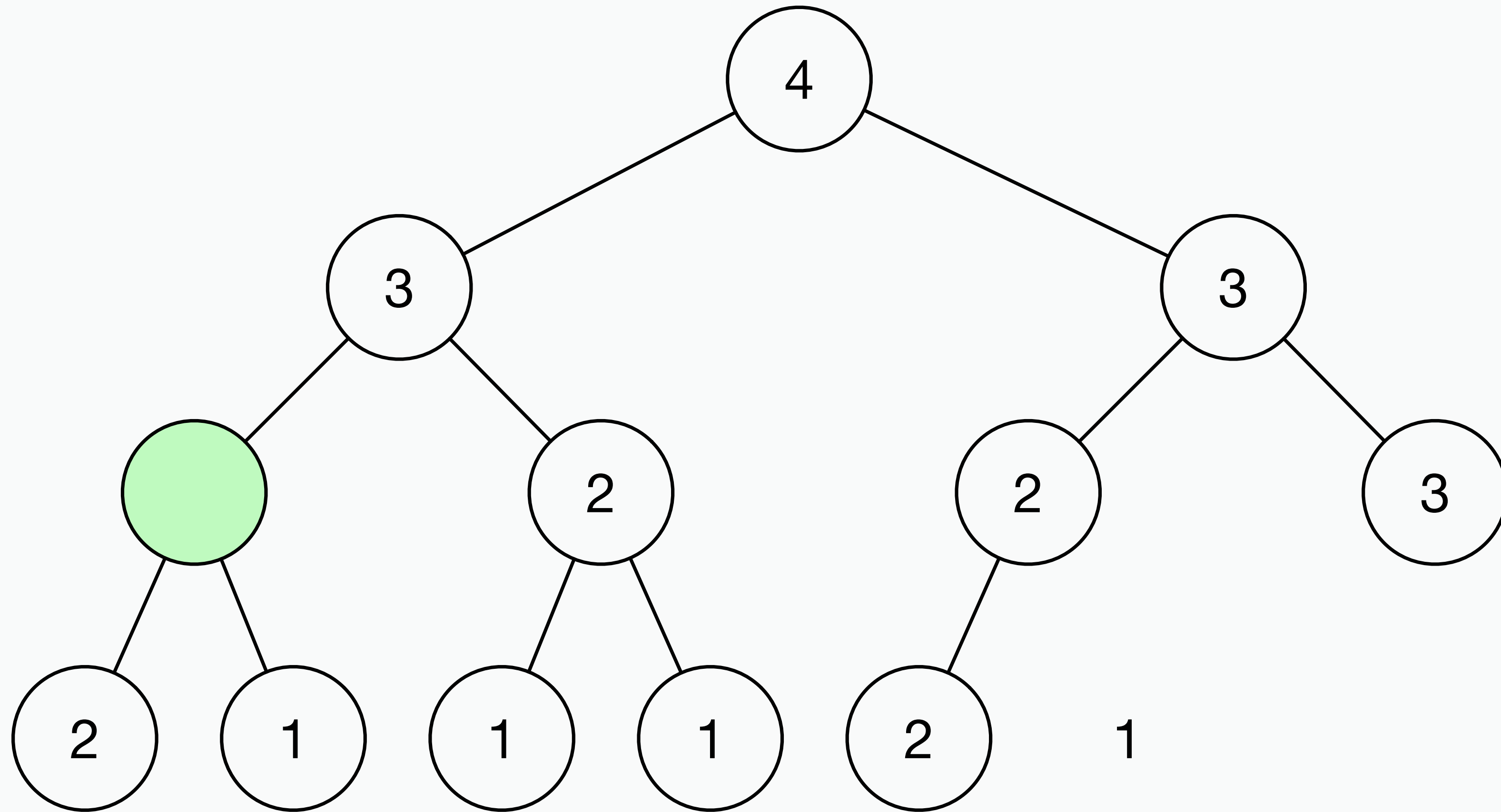
Priority queue

Process one more job...



Priority queue

Process one more job...



Priority queue

Priority queue

Process one more job. Done!

