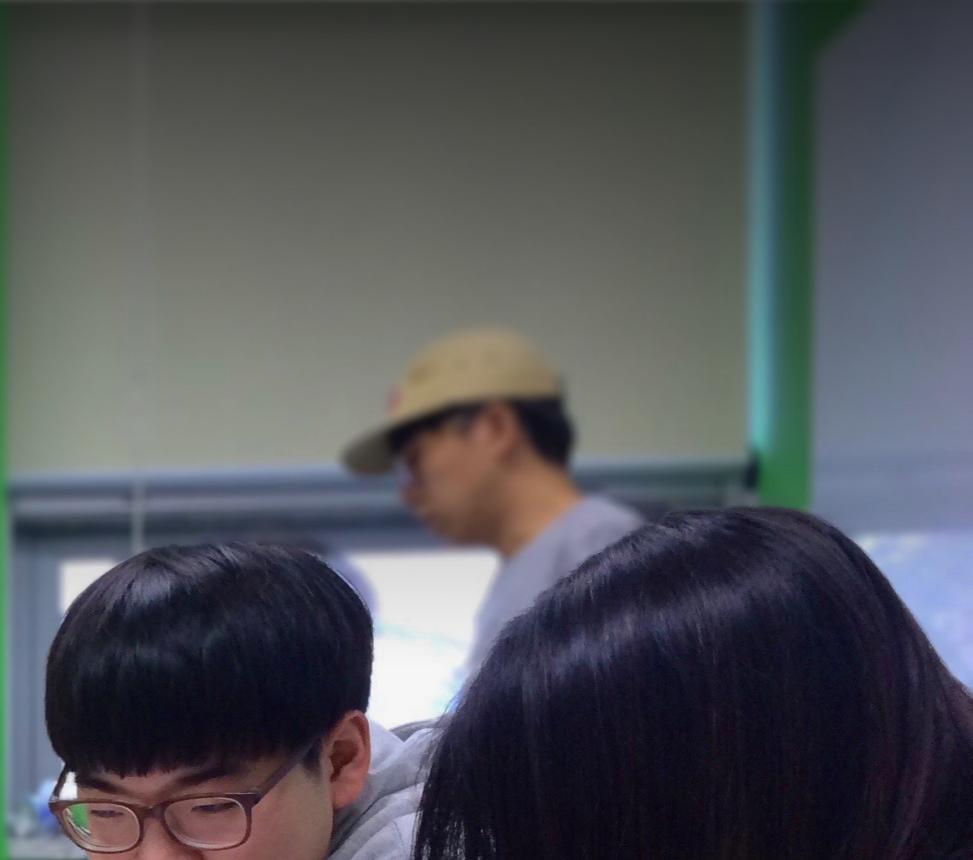


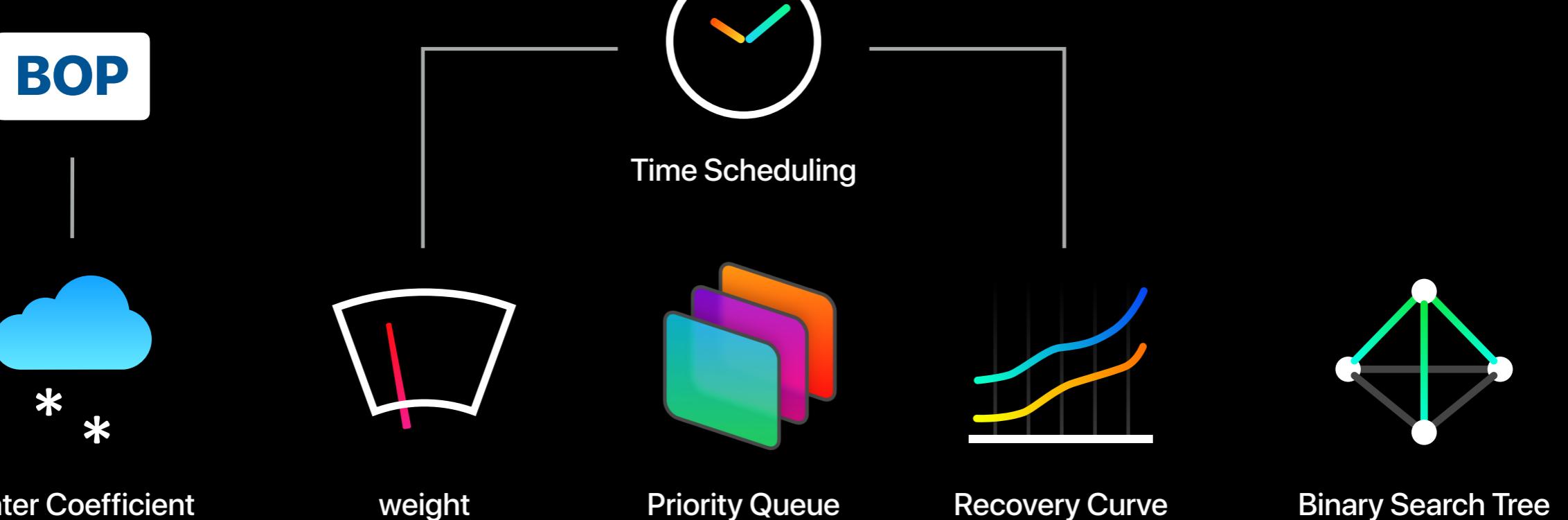
stage 2

Designing problems | Time Scheduling



구동완 박나윤 문규환
우승진 장해민 황치훈

Contents





* *

Winter Coefficient

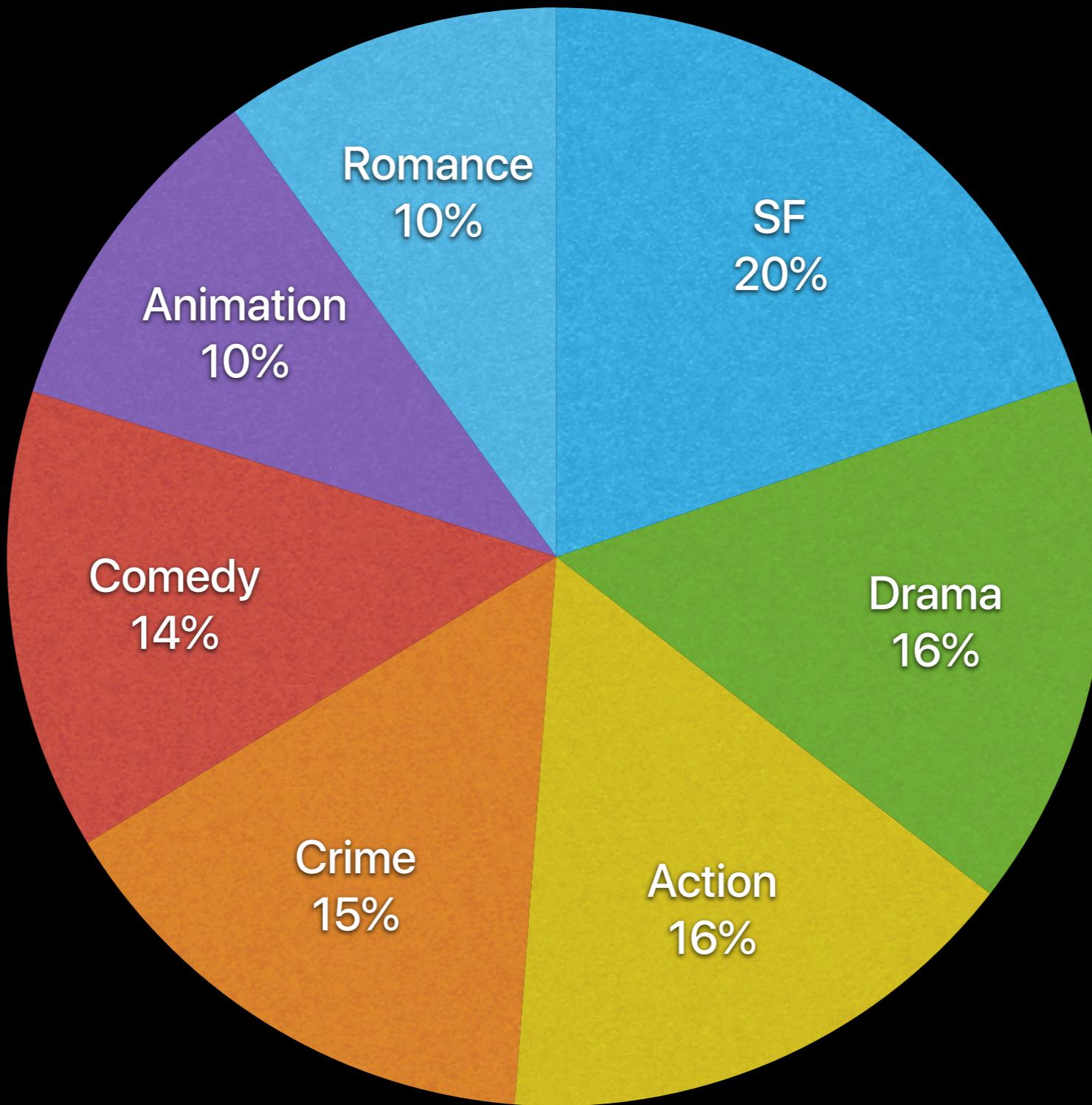
겨울철 각 장르의 흥행 가능성의 지표



SF	Drama	Action	Crime	Comedy	Animation	Romance
2,692,476	2,135,878	2,134,736	2,048,953	1,848,474	1,383,012	1,354,196

2006 ~ 2015 평균 관람객 수, 출처 | 영화진흥위원회

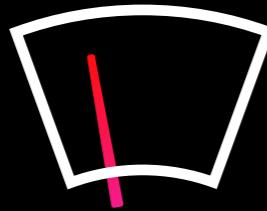
Average population of each genre



Proportions of genres using the average population.



Time Scheduling



weight

Based on the population prediction.

Each movie has its own weight.

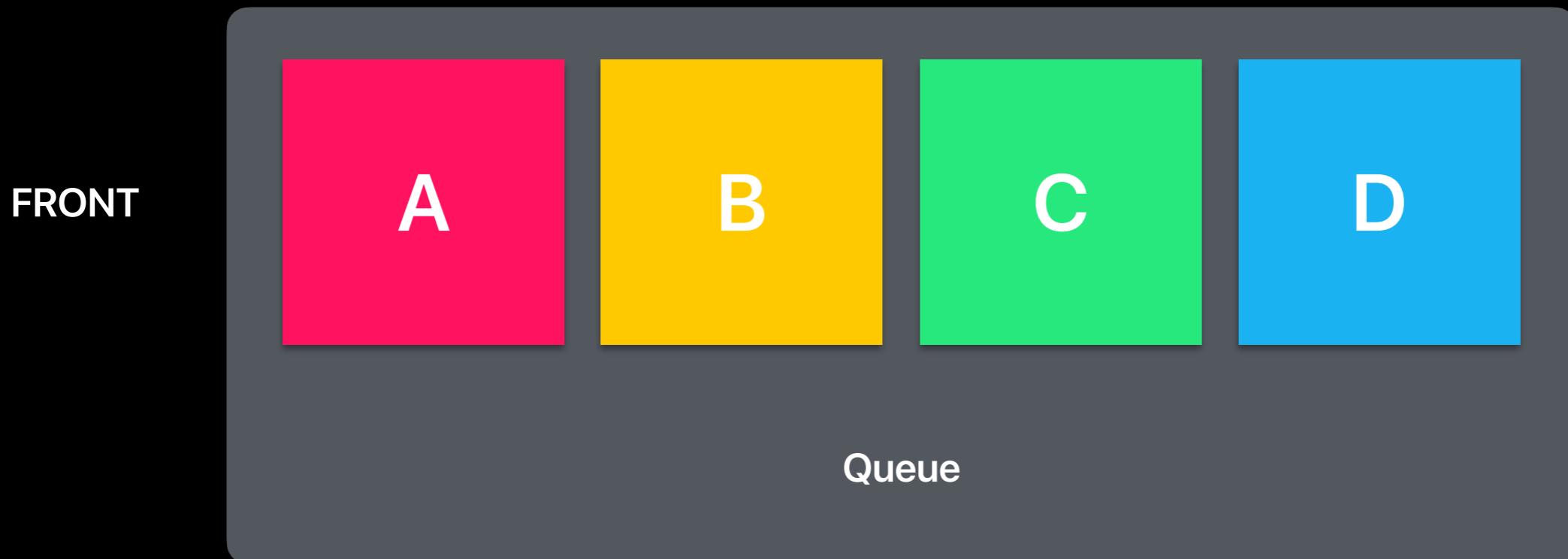
Decrease at every screening.

Recover after the movie starts.

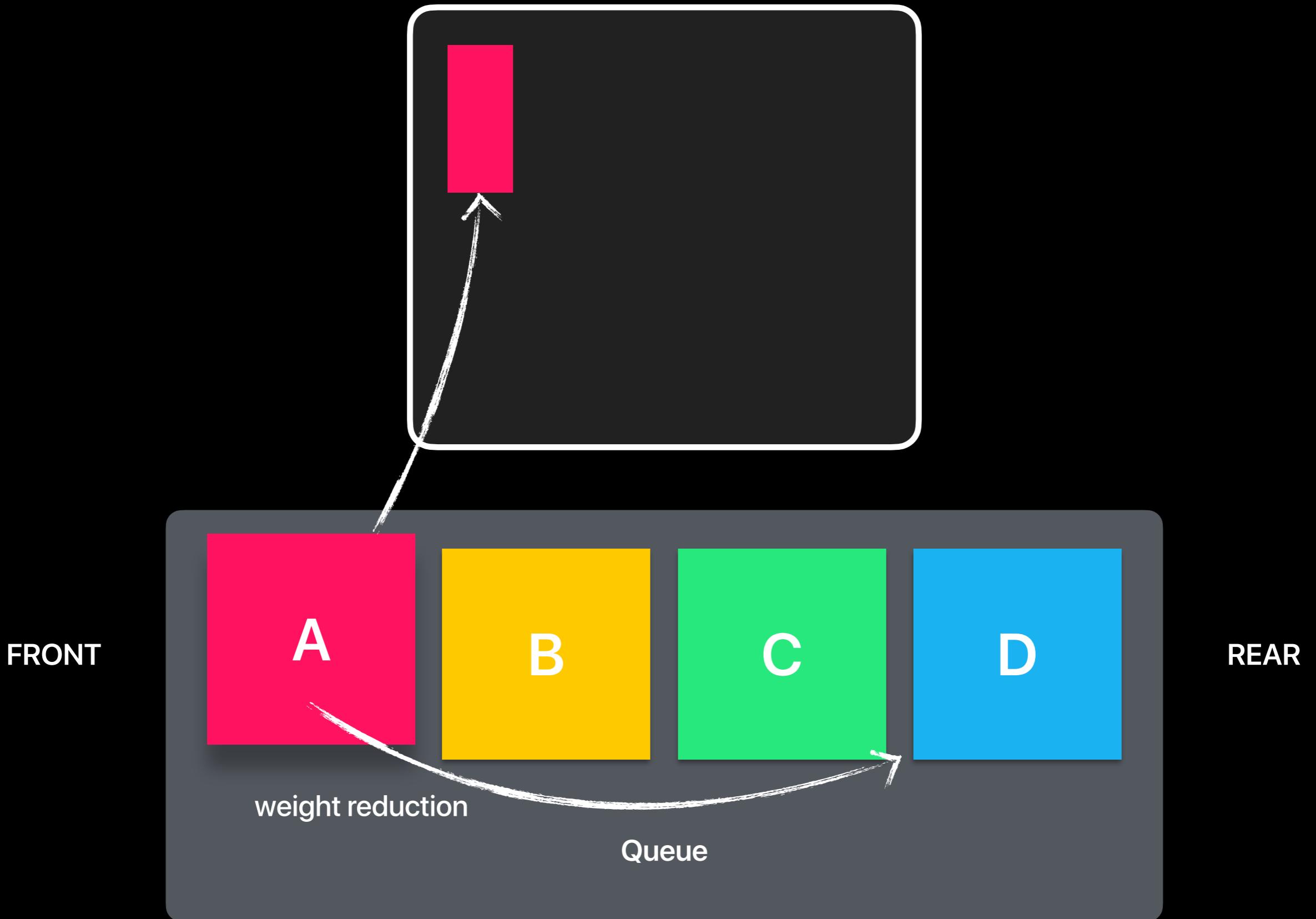


Priority Queue

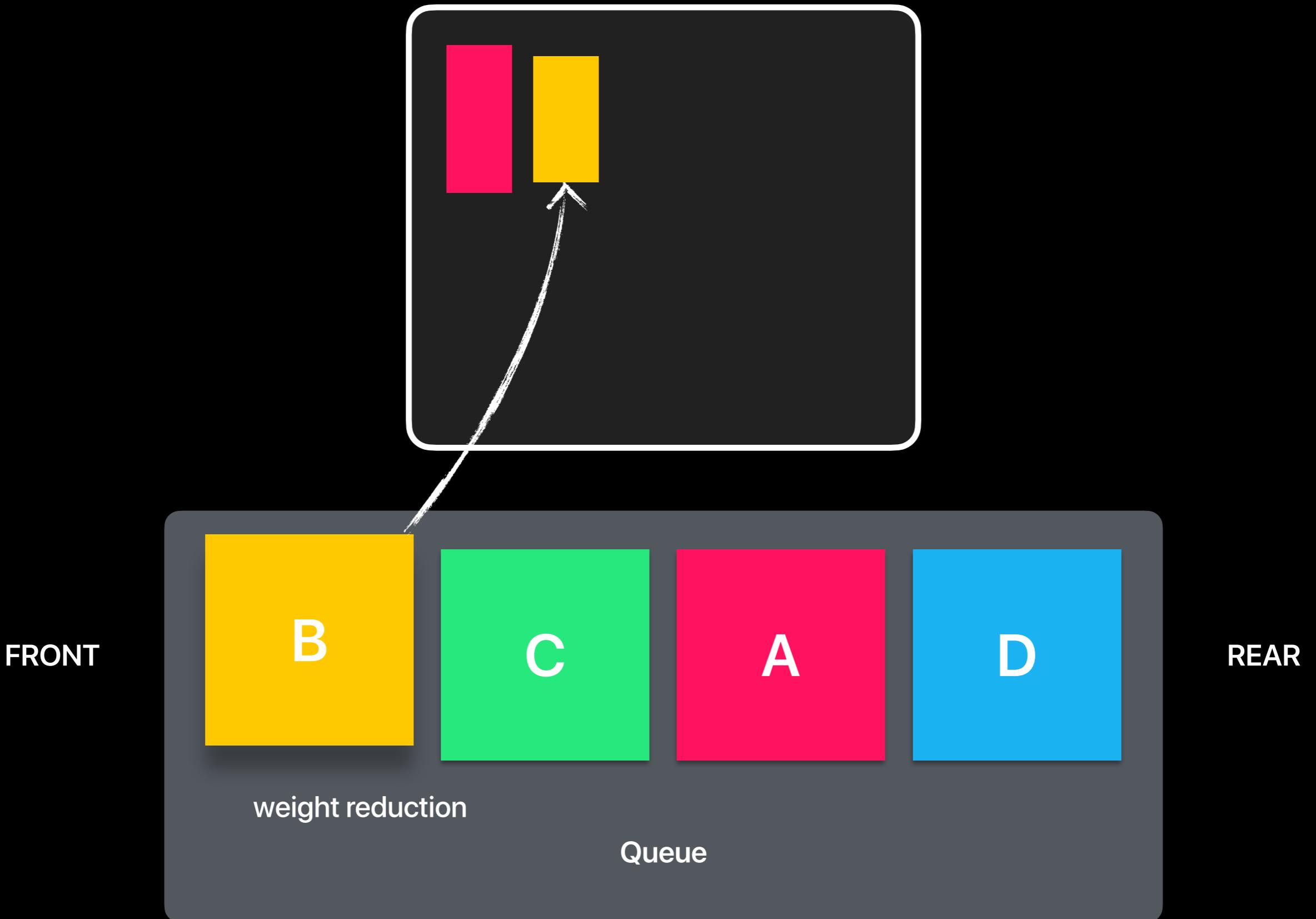
Time Table



Time Table

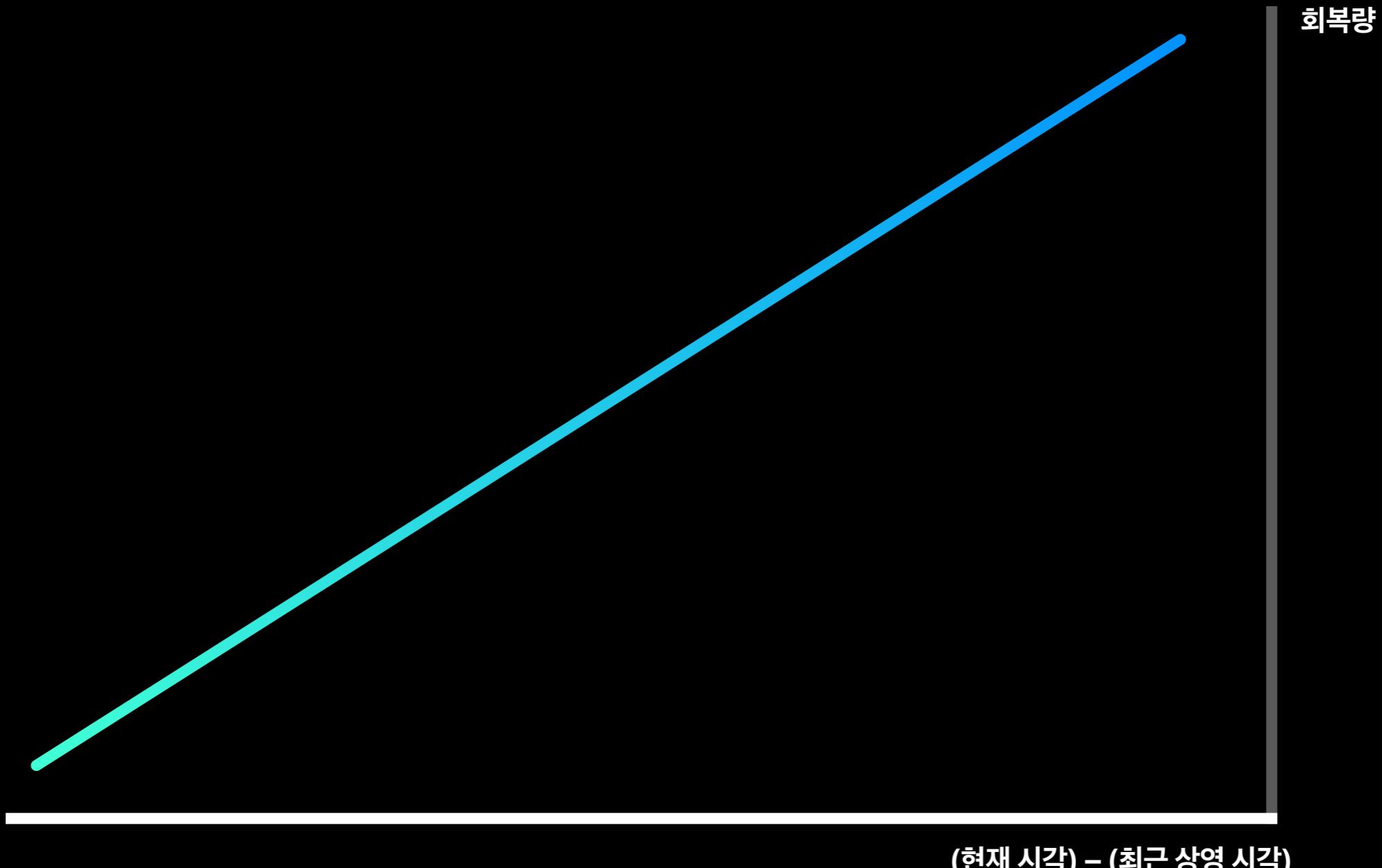


Time Table

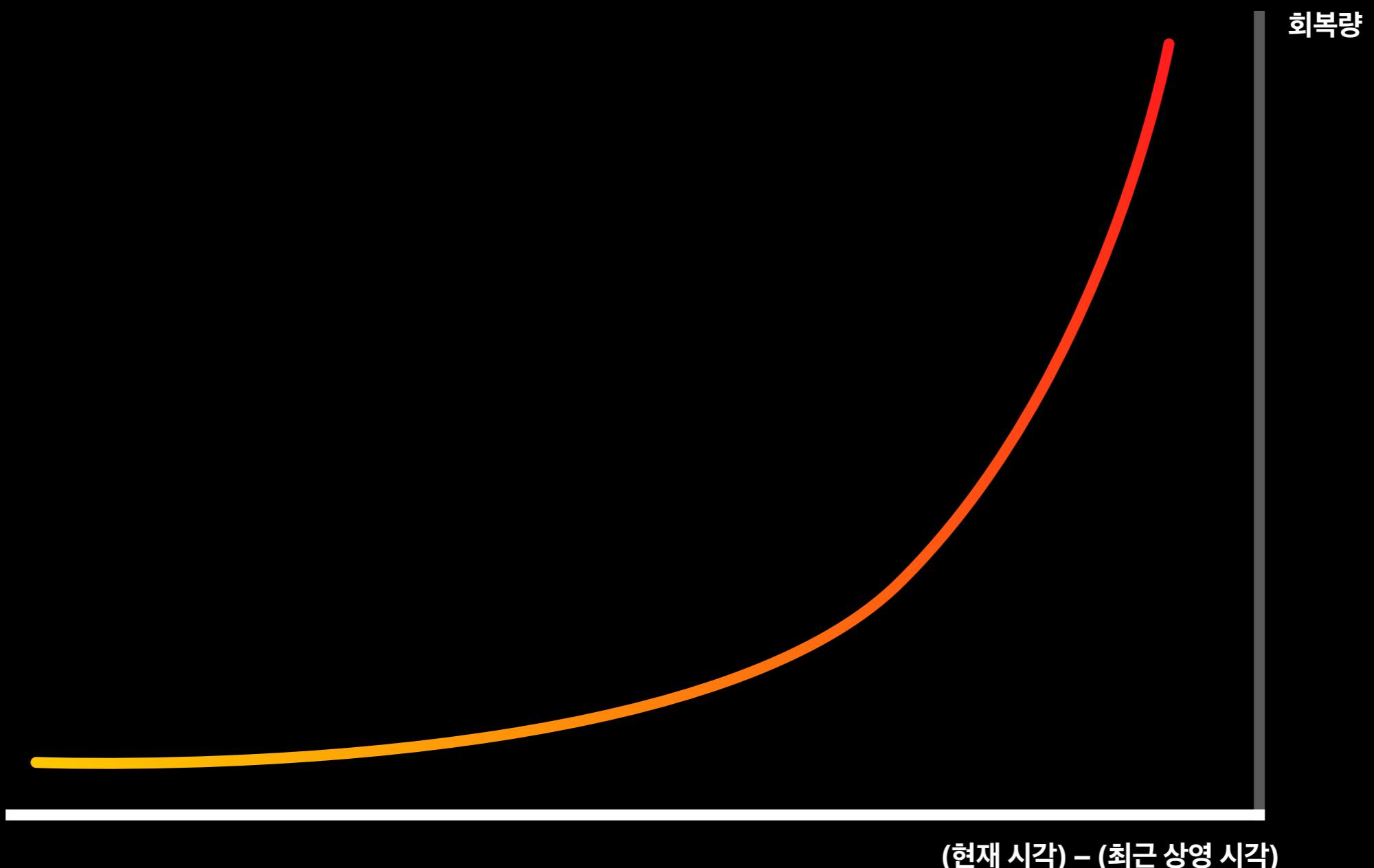




Recovery Curve



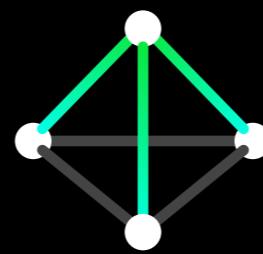
Time – Amount of recovery graph



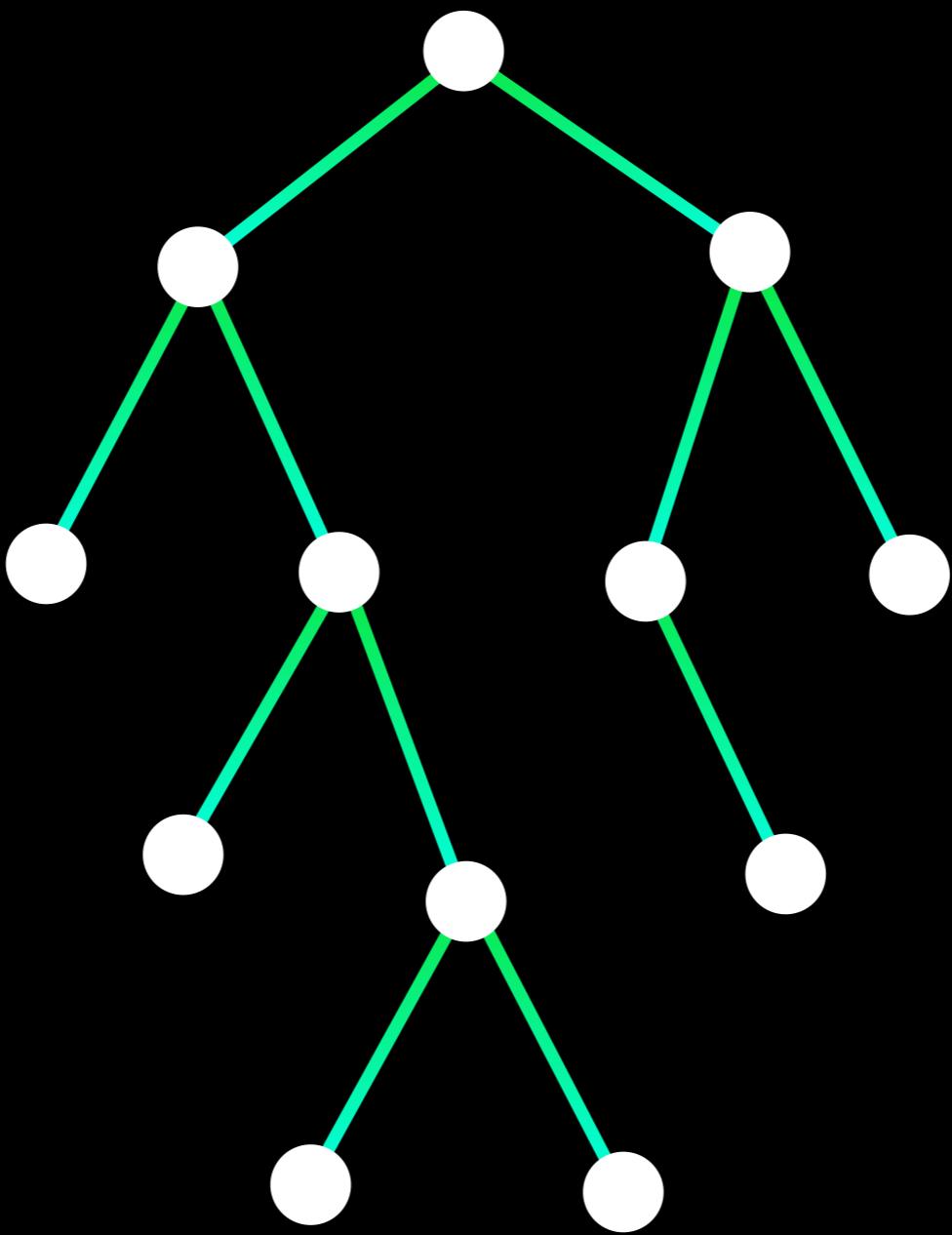


= Population

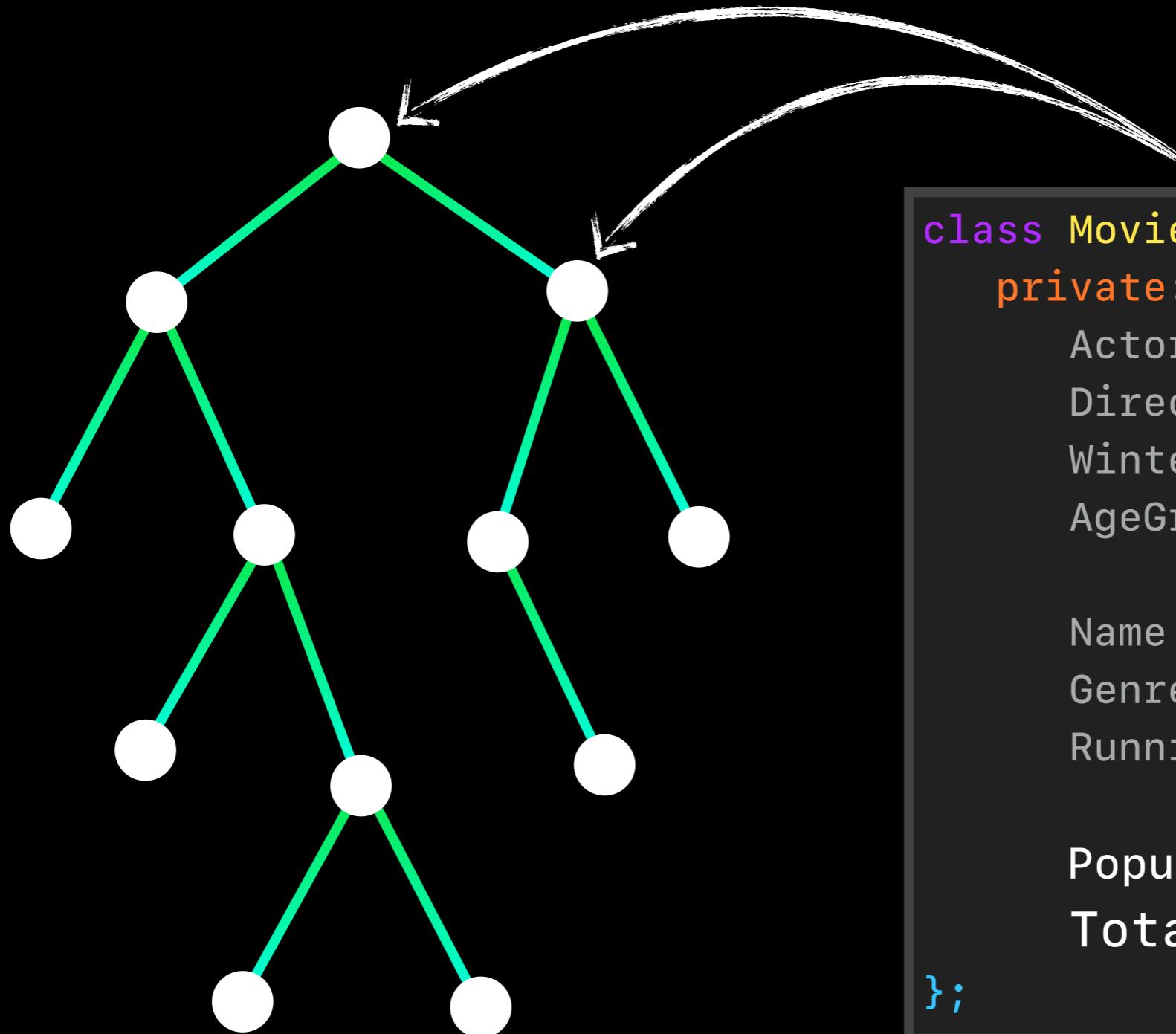
weight



Binary Search Tree

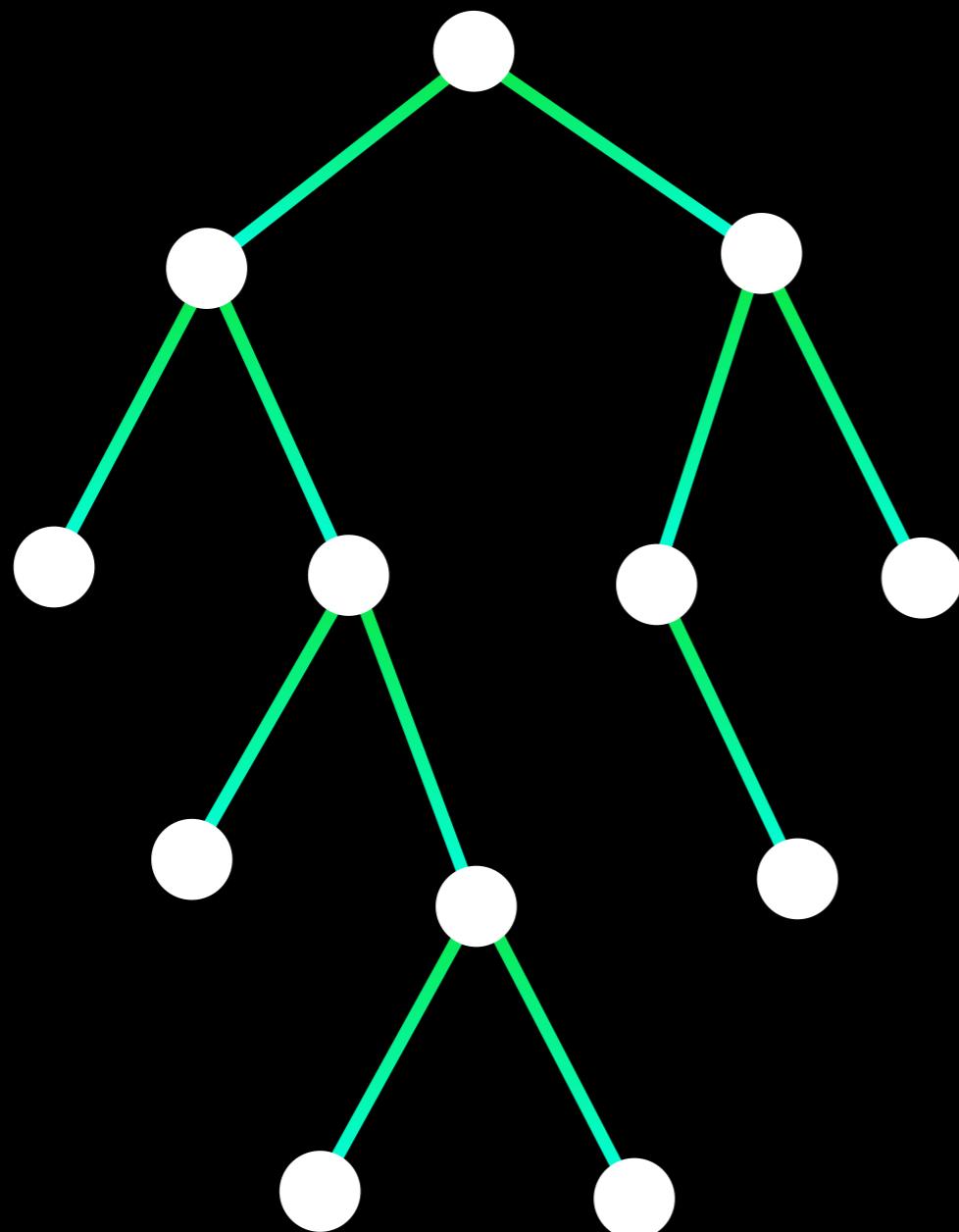


Binary search tree



```
class Movie {  
    private:  
        Actors  
        Directors  
        WinterCoefficient  
        AgeGroup  
  
        Name  
        Genre  
        RunningTime  
  
        Population  
        TotalScore  
};
```

Inside the nodes

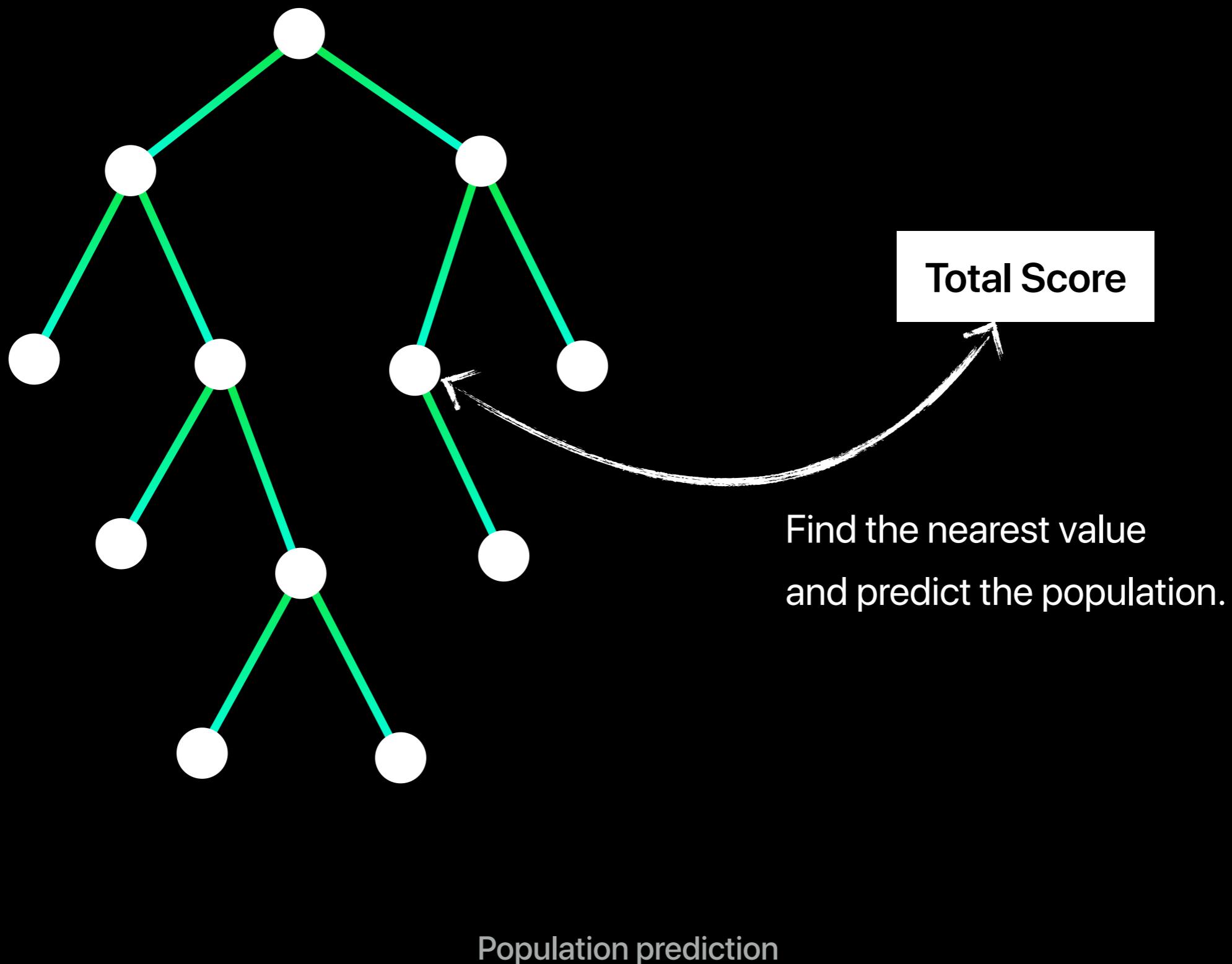


New
Movie



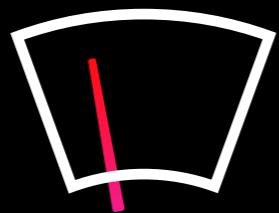
Compare the total score
with binary search tree

Processing





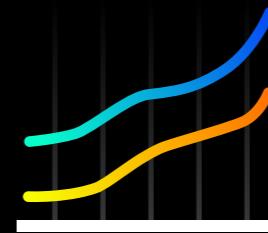
Winter Coefficient



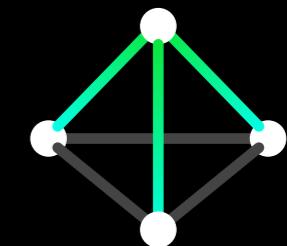
weight



Priority Queue



Recovery Curve



Binary Search Tree



Time Scheduling

Next week

Solving Problems