

FLUXVATOR Control Simulator

OSP Stage 1000
Plan & Elaboration

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Motivation

- We think that Elevators need to be Optimized than now.
- We can't find Co-operation of two or more Elevators.
- So we will simulate Co-operation of Elevators

FELUX

PROJECT INTRODUCTION

- What “FLUXVATOR” means?
- It means that OUR Elevator system can deal with Many Situations!

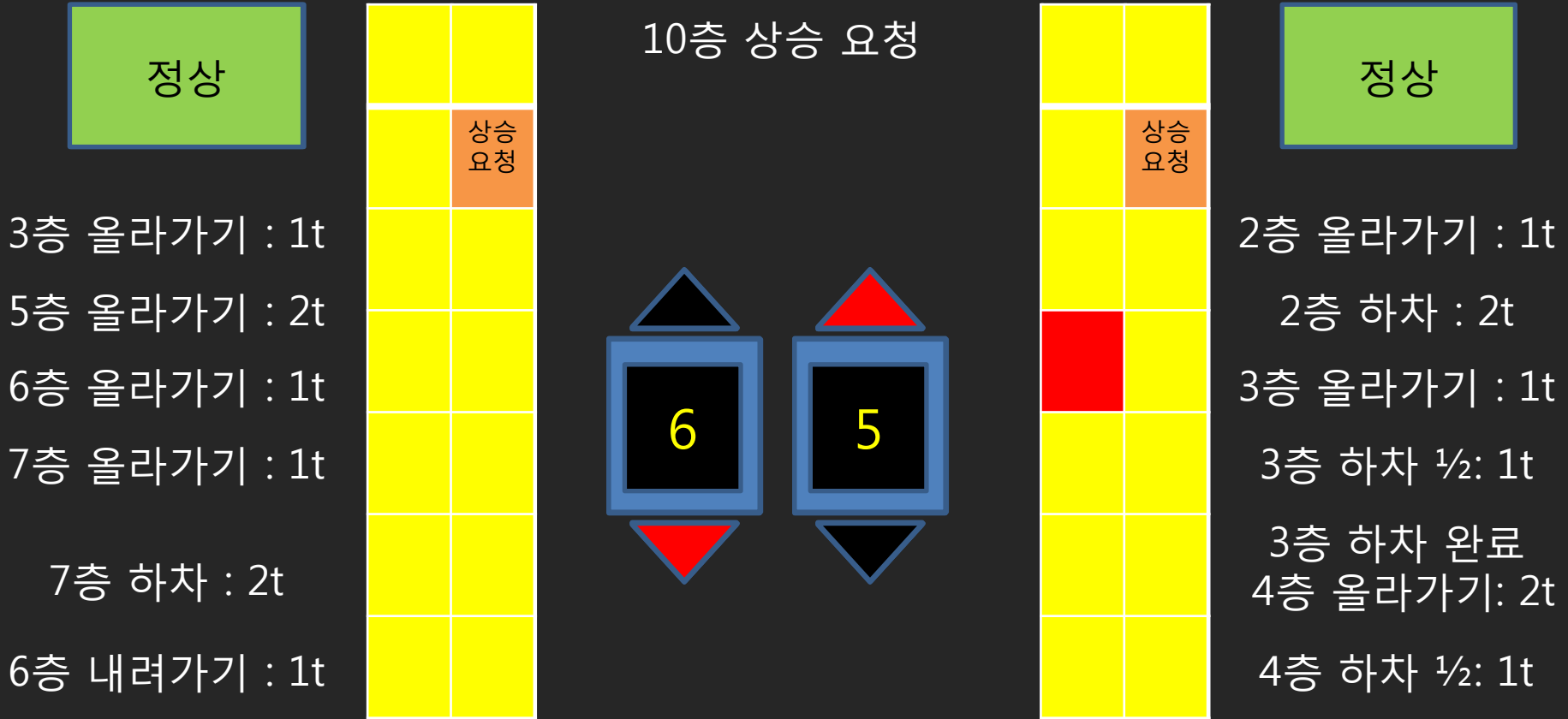
FLUX

How can Elevator be "FLUX"?

- It can be achieved by Well-Defined Activities
- Our Fluxvator Control Simulator contains Many Well-Defined Activities to Many Frequent Conditions!

FLUX

FLUX Running

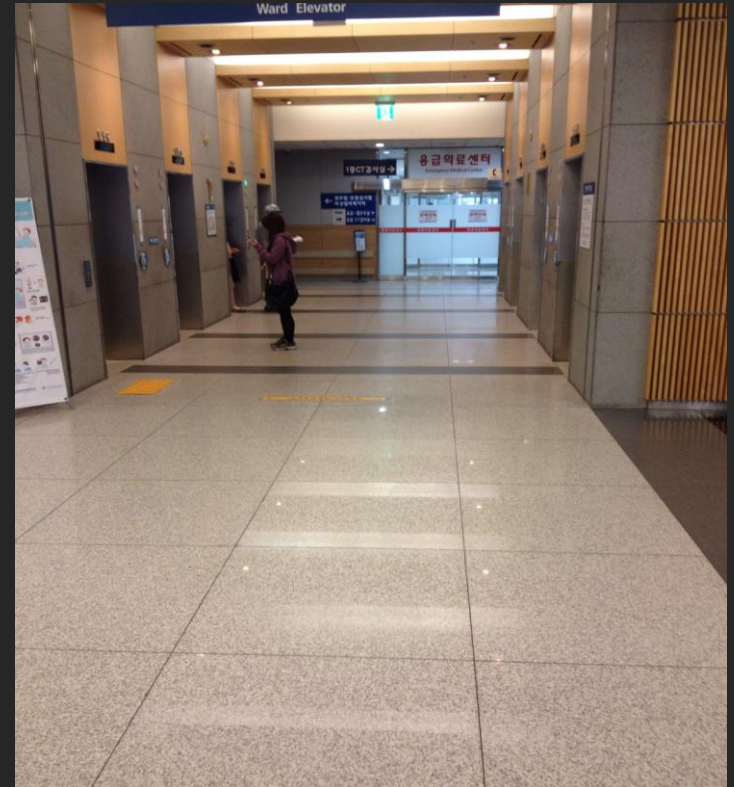


좌측 엘리베이터 8t로 더 빠름.
좌측 엘리베이터에 10층 상승 큐 할당

FLUX Running



No need to "Watching" Angry people in Full Elevator.



It also can be adopted by many places like Konkuk University Hospital

FLUX for Disabled

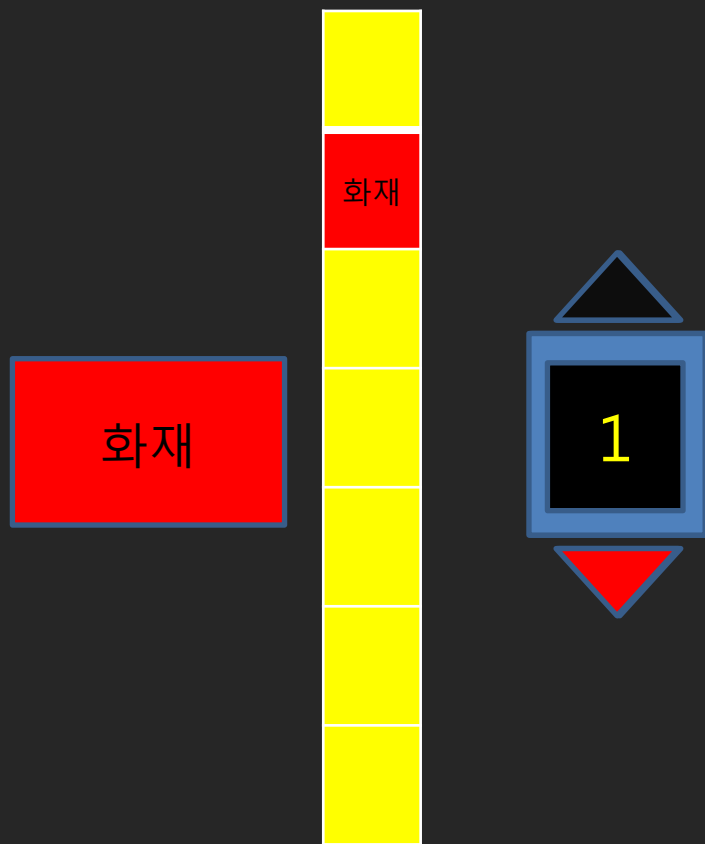


The button which can prolong Door open times is needed

This button can be clicked after Up/Down button is already clicked

This button will add 1t to Calculation for FLUX Running

FLUX to Emergency



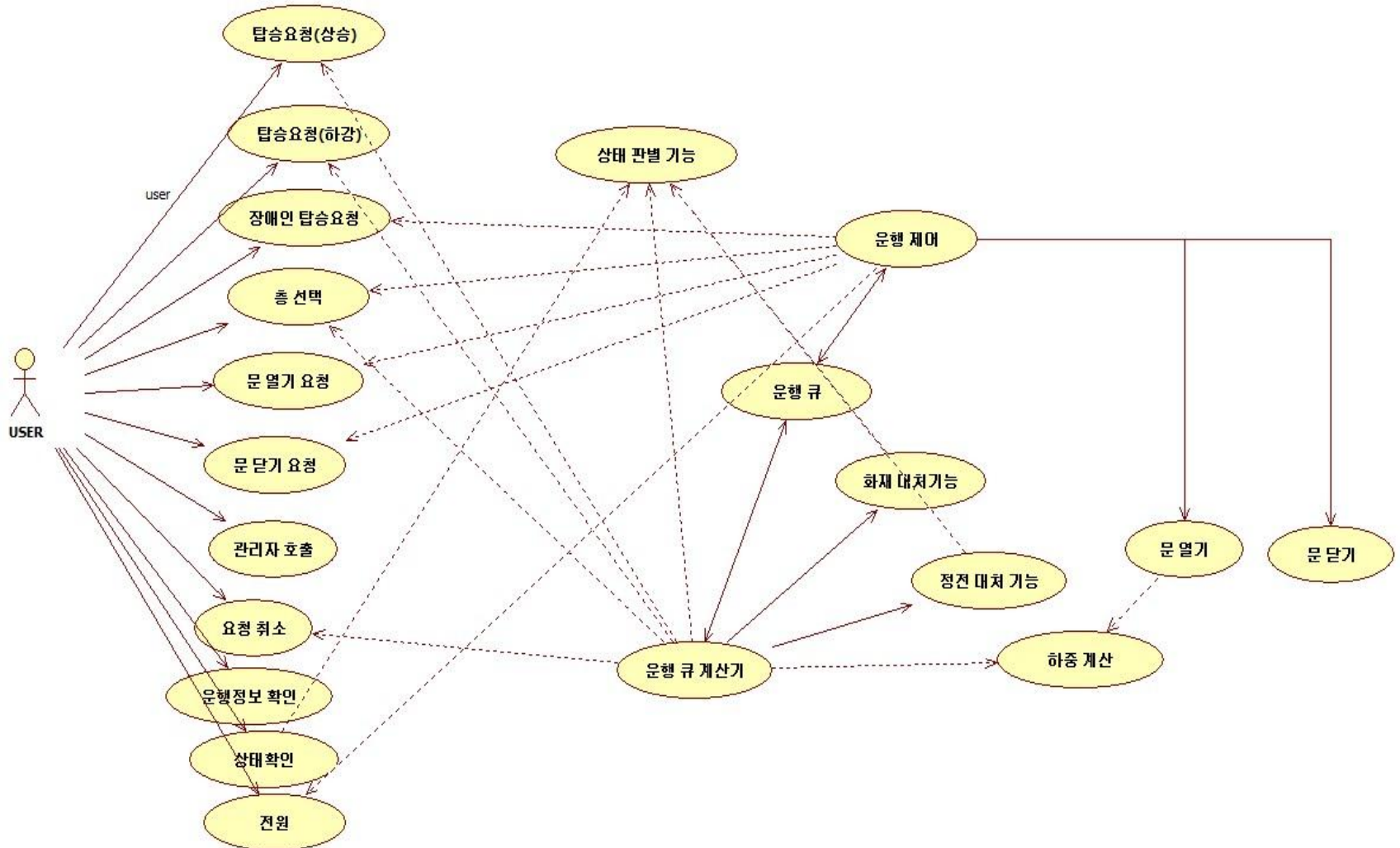
엘리베이터가 있는 층보다 위층에 화재 발생

화재 층을 제외한 가장 가까운 층에서 정지해서 사람들을 하차시킴.

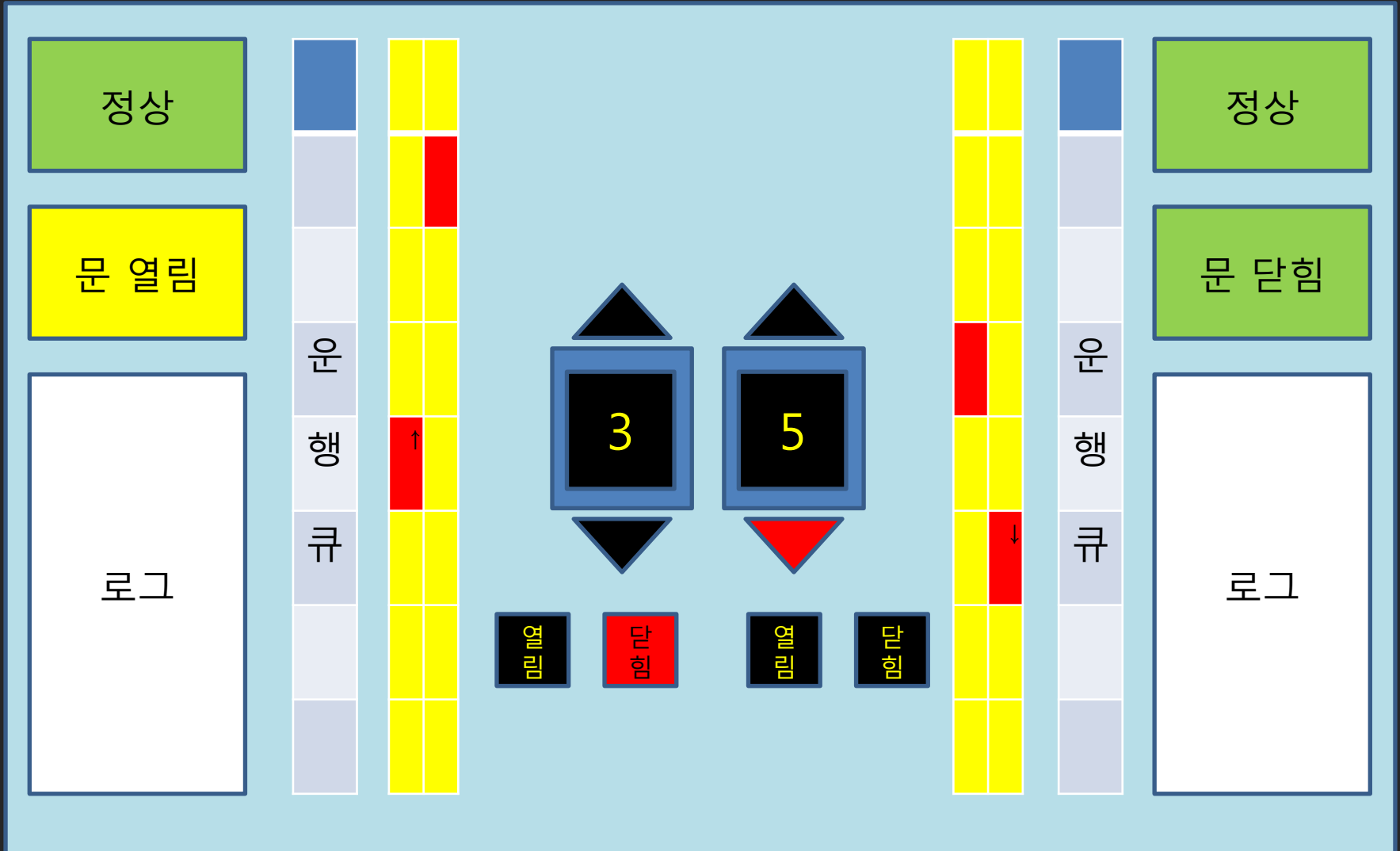
엘리베이터 추락상황을 대비해 최하층으로 이동한다.

정상상황으로 돌아올 때 까지 모든 큐를 무시한다.

Use-case Diagram



Implement Prototype



MISC Info

1. Risk management.

RISK	Probability	Significant	Weight
Lack of Experience with OOP	4	5	20
Other activities such as Mid-term and Final-term	4	4	16
Health Problem	2	5	10
Girlfriend	0	5	0

- 2. Resource and Cost
- Expected Time : 3 month
- Human Resource : 3 men.
- Man Month : 9~10
- Budget : 2,700,000 KRW

Q & A