Set-3

ABMS Midden

Sayam Kumar S20180010158 UG4 lage 1

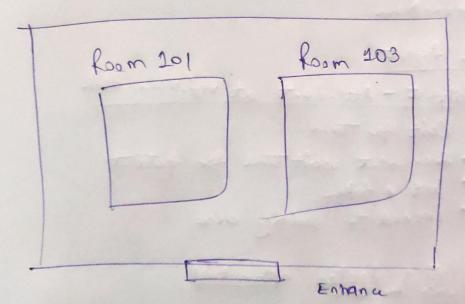
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Explain envisonment

There are 5 different stages Obgistration desk

- @ wasty area
- 3 Test patients sights
- (9) Eye test and weity area (1/2)
- 5 of themalogist consulatation

Envisonmet



- we need to create 5 despe for 5 tacks
- These And there are 2 rooms that each disk can go
- envisonment configuration.

do, we need to delect an envisormet tage 2 Sayam Fumar from 32 conditions, do we count total wait time for patients V94 J20170010158 Static agets - Doctors at optometrist evaluation - Attendant at registration desk statiento co Mobile Agent - Patients coming in the campus Conditions - 32 initial conditions Agent Interactions 1) Aget to Agent 1 latert - Attendant at registrain desk - Wait for turn - Increment wait time for patient - Get a token - Proceed to waiting area 2 lattest-doctor optometriet - Test eyes - Incremet wait time (3) Patret-dector for eye that - Cet pressure test - leto waiting room - Incornect wait time

(9) Patient - doctor at Consultation - Get medicines list - Increment wait counter

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## 6 latint-Patiet intraction

- during all 4 stages above while waiting for his/ his turn

Aget Envisormer Tateractions

3 Patient - Room Shifting

- while shifting to another room for another

Increment wait fine for patient while shifting sooms

1 Vatient - In a Ream

- Tust aggregate all the waiting time for a patient at a room

Inputo - Constants
- No of doctors

-No of people (attendants) at registration

→ Dilation room waiting time (1/2 an hour)

Parametus - Walfit time at regis traiter desk (to fee the form)

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- Waiting time at option etrict evaluation (test conduct) time

-> Time to receive opteram alogist consulation.

- Initial number of patients

Outputs - Total time taken by possies to complete all stages.

Añose we aggregate time taken by each potiet at each mage, we can compute total time

- So, least total time for patient is best model.

Experiment I have this idea.

- Since vate of arrival of patients is not Constant, we can model patients arrival time using Creneralised poisson distribution

-150 ifet Poitfal no of patieto = 10

- Time taken at each stage expect dilation stage- I min

I hereralised poisson will help send patrets mon during (lets say 10-2pm) and less from (6pm-10pm). It has overdispersion and under dispersion parameters

As, we configure environment fage 5 UG4
S2 Prital S20180010158
Sayam Fumar
at 32 different stups,
Send patient, Count wait times
and report the time.

Pick the lust model with least
time Consumption