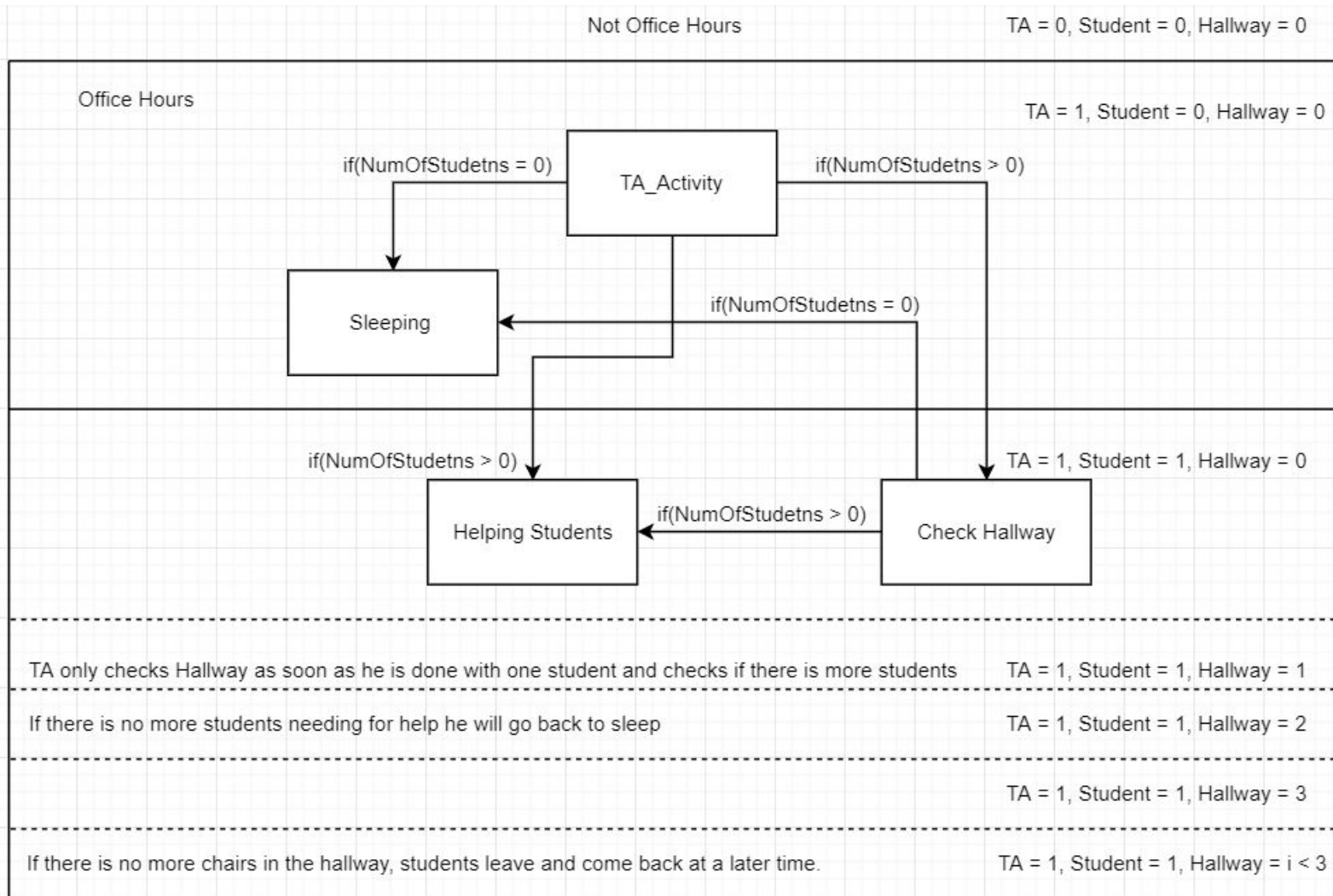


Team Members:

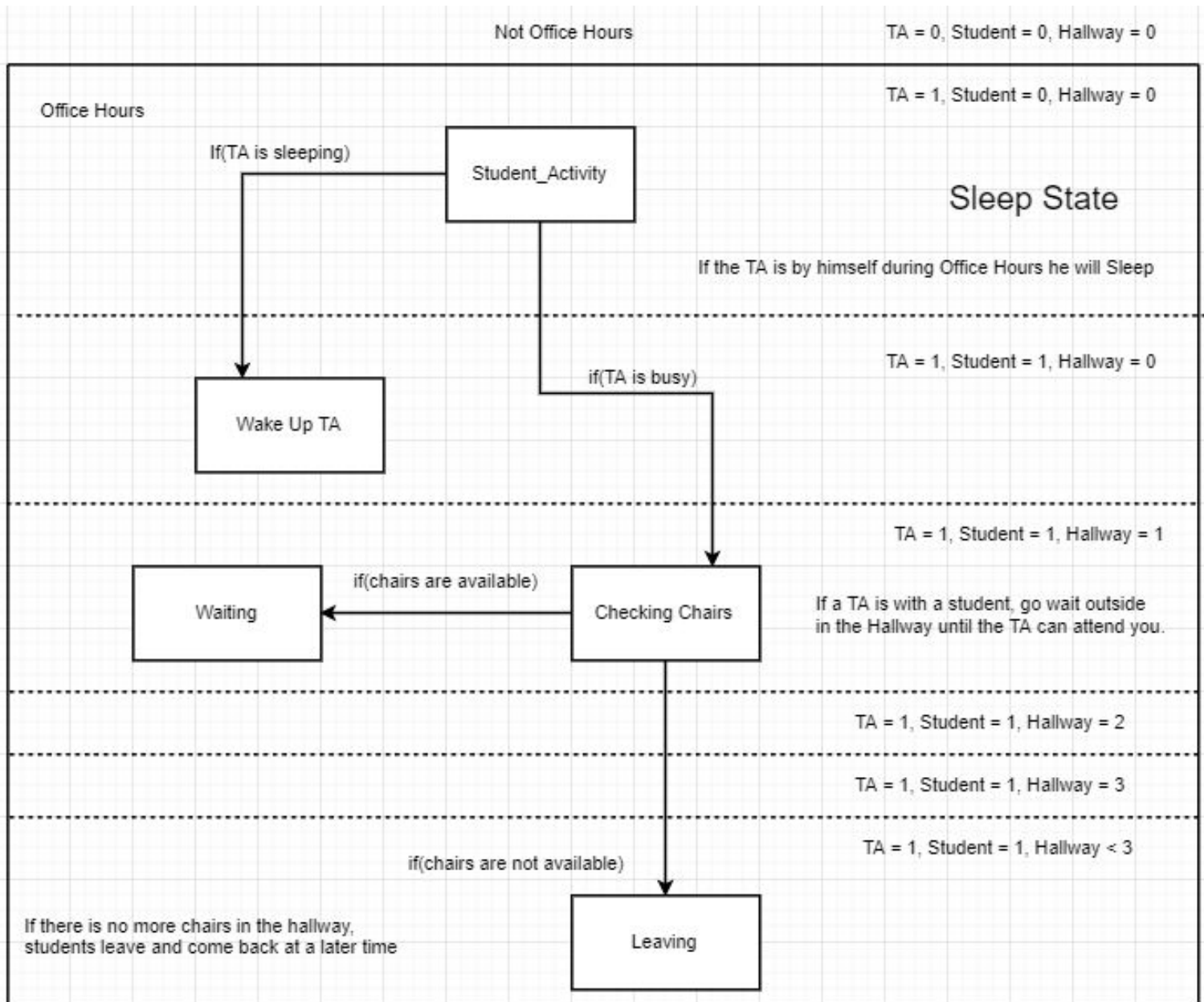
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Design of Sleeping Teaching Assistant

TA_Activity



Student_Activity



Screenshot of test run:

```
File Edit View Terminal Tabs Help
maui@oso:~/Downloads$ ./TA
Number of Students not specified. Using default (5) students.
Student 1 is doing homework.
Student 2 is doing homework.
Student 3 is doing homework.
Student 4 is doing homework.
Student 5 is doing homework.
Student 3 needs help from the TA
Student 5 needs help from the TA
Student 3 waits in hallway, chairs available: 2
TA is now awake to help student
Student left hallway chair, chairs remaining 3
*TA is helping the student
Student 3 is getting help from the TA
Student 5 waits in hallway, chairs available: 2
Student 2 needs help from the TA
Student 2 waits to go next.
Student 2 waits in hallway, chairs available: 1
Student 4 needs help from the TA
Student 4 waits to go next.
Student 4 waits in hallway, chairs available: 0
Student 1 needs help from the TA
If student didn't find any chair to sit on. Student 1 will return at another time
Student 1 is doing homework.
Student 1 needs help from the TA
If student didn't find any chair to sit on. Student 1 will return at another time
Student 1 is doing homework.
Student 3 left TA room
Student left hallway chair, chairs remaining 1
*TA is helping the student
Student 5 is getting help from the TA
Student 1 needs help from the TA
Student 1 waits to go next.
Student 1 waits in hallway, chairs available: 0
Student 5 left TA room
Student left hallway chair, chairs remaining 1
*TA is helping the student
Student 2 is getting help from the TA
Student 2 left TA room
Student left hallway chair, chairs remaining 2
*TA is helping the student
Student 4 is getting help from the TA
Student 4 left TA room
Student left hallway chair, chairs remaining 3
*TA is helping the student
Student 1 is getting help from the TA
Student 1 left TA room
All students have been helped. TA is going to sleep.
maui@oso:~/Downloads$
```