



CS305

Final Project Presentation

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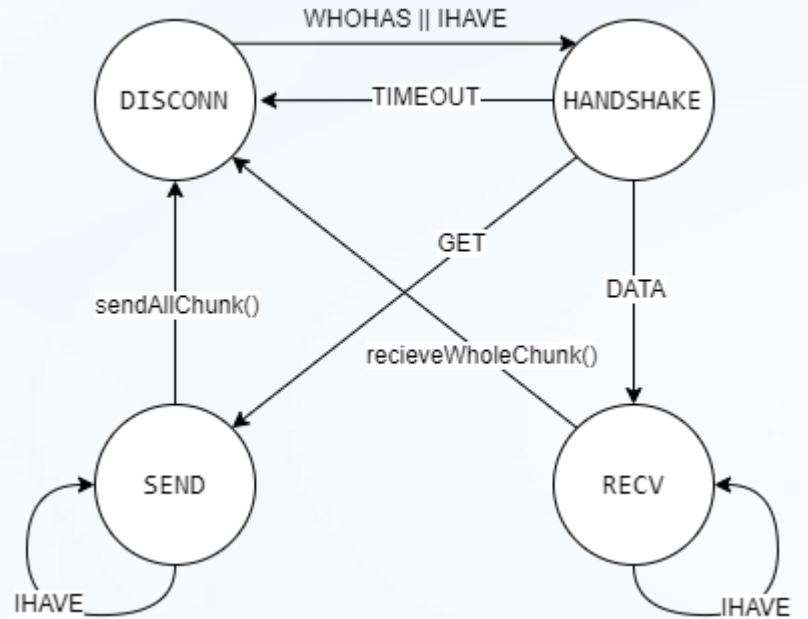


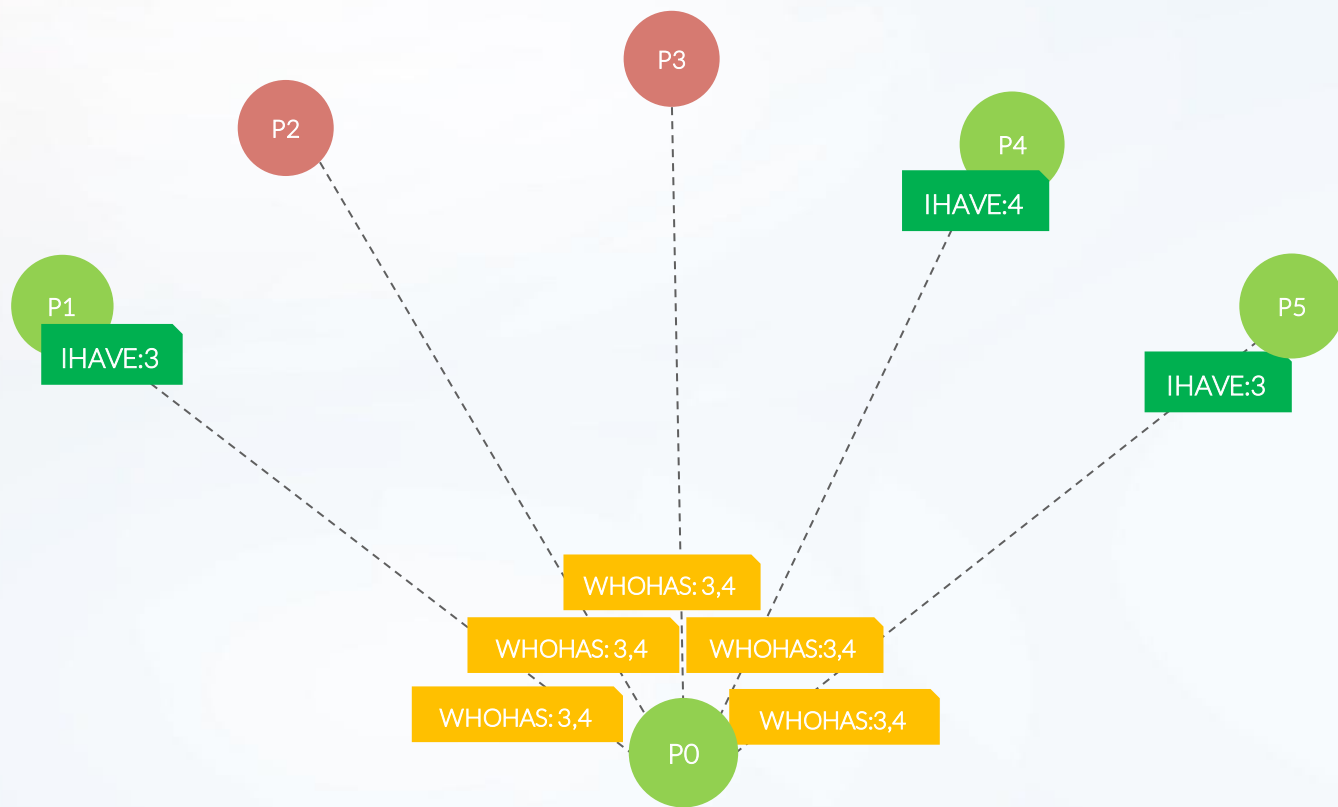
01 | Design Introduction

[(team number, ip, port, state)] -> records other peers

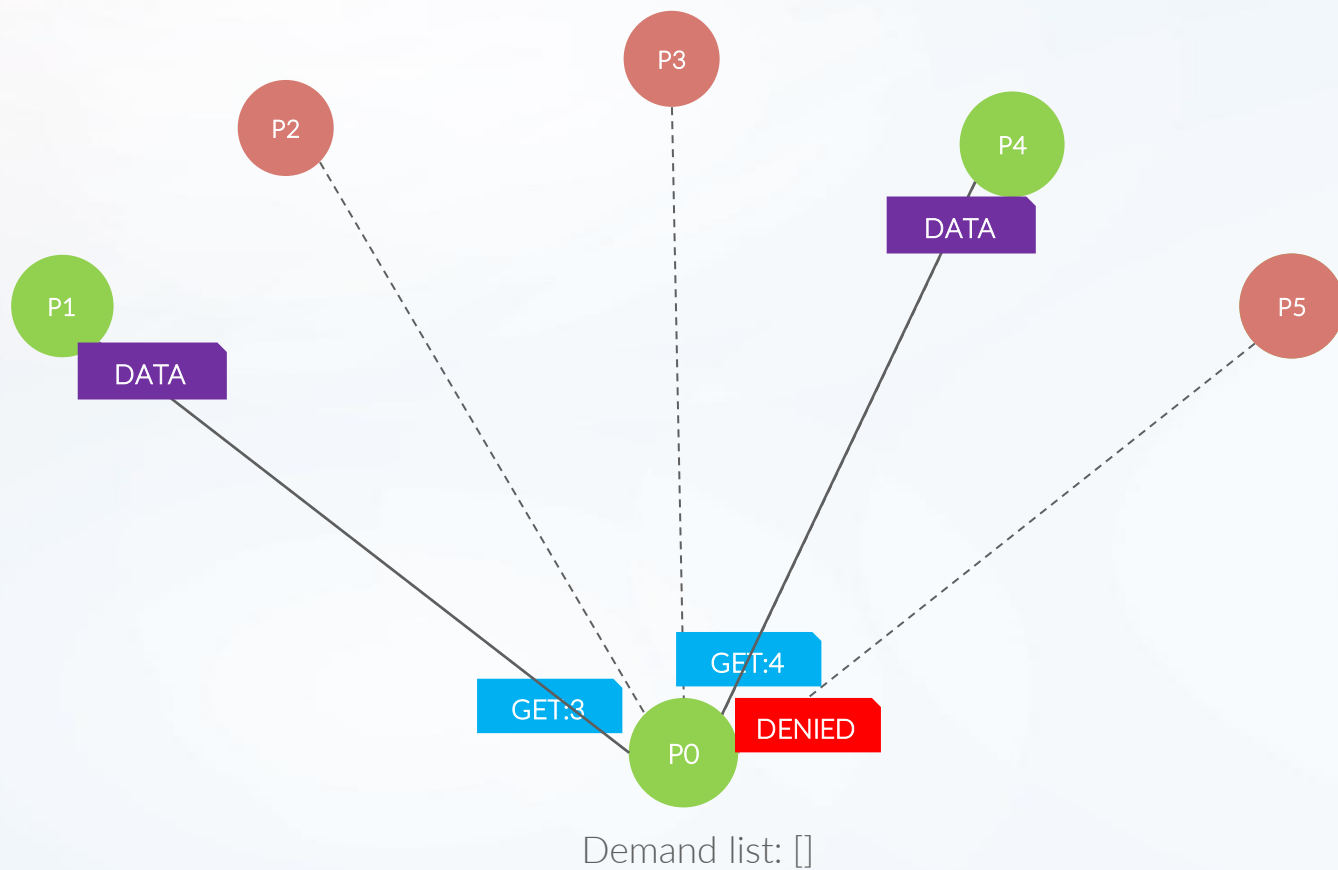
rdt_timer -> RDT timeout

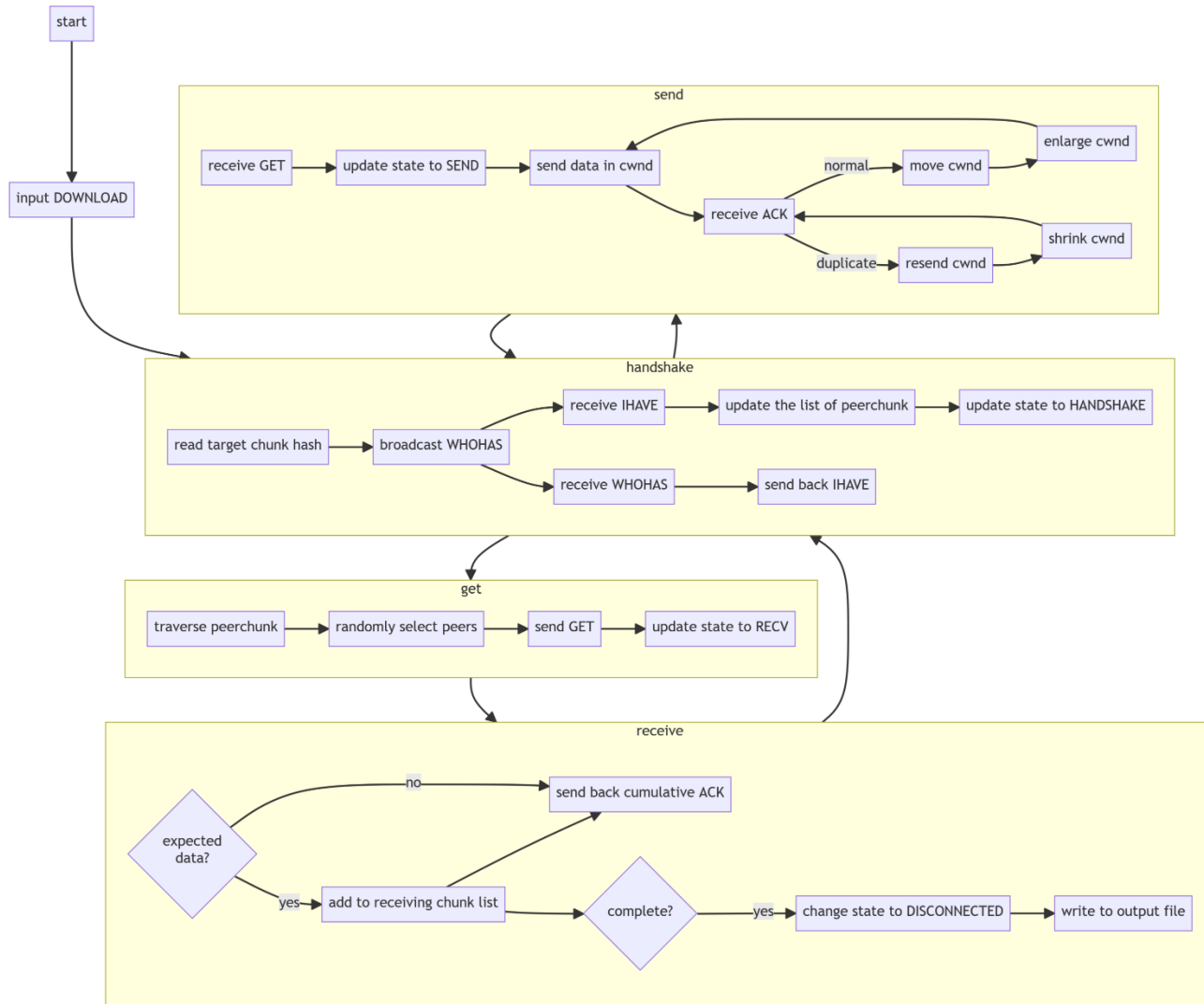
GET_timer -> GET Packet Timeout



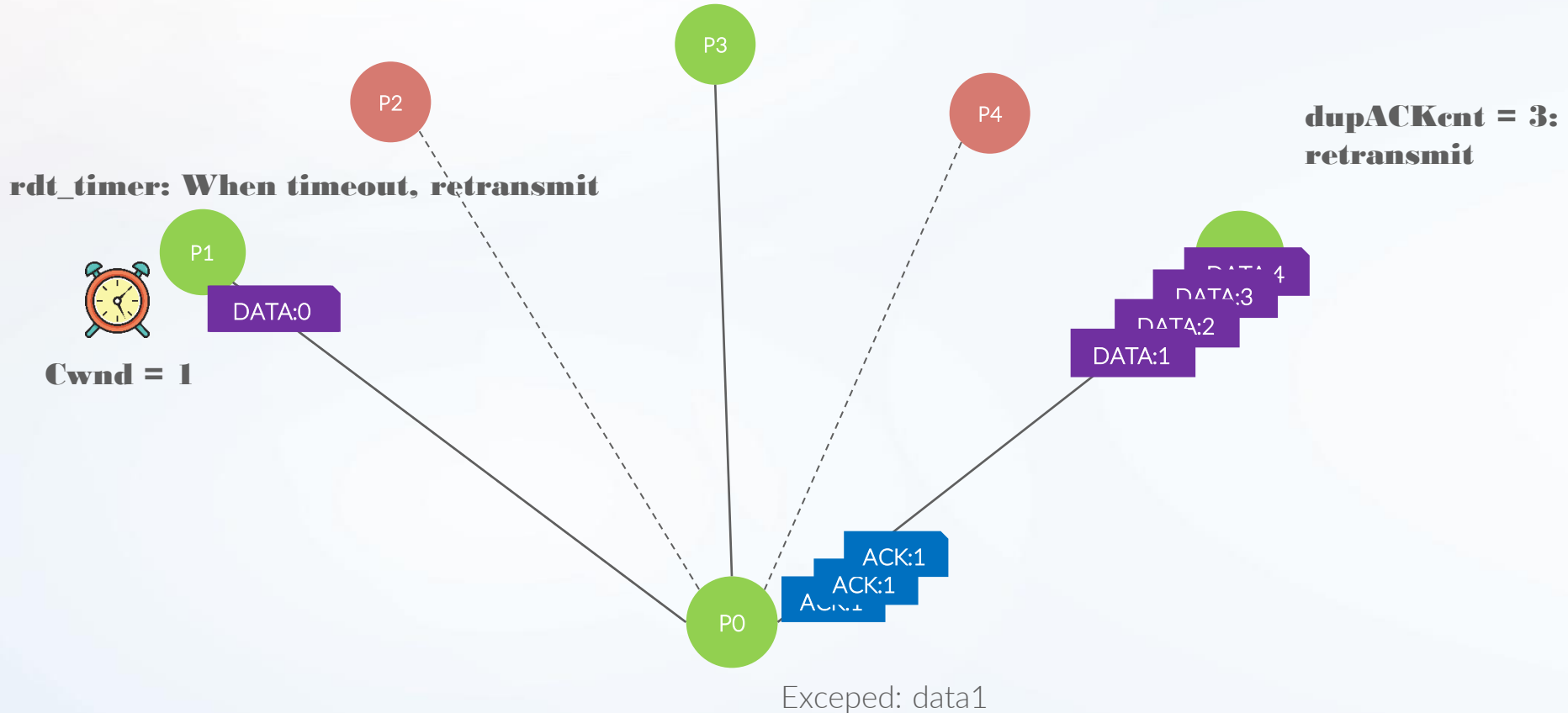


Demand list: [~~chunk3~~,~~chunk4~~]

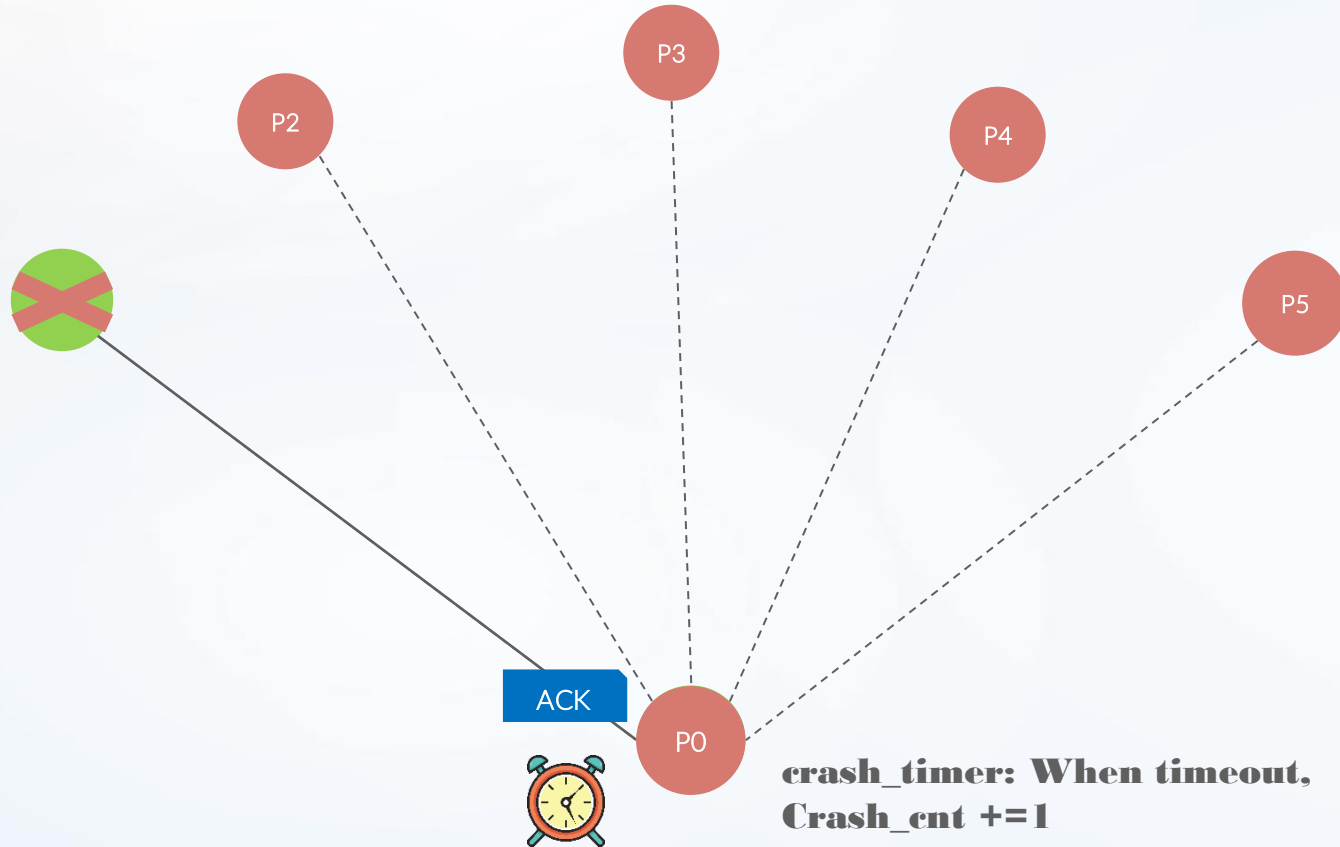




RDT & Congestion Control: GBN



Crash Detection: Double Timeout





02 | Handshaking check

Handshaking check

```
(cs303) → CS305-Final-Project git:(main) X py.test test/basic_handshaking_test.py
===== test session starts =====
platform linux -- Python 3.9.7, pytest-7.2.0, pluggy-1.0.0
rootdir: /home/dazhi/CS305/CS305-Final-Project
plugins: anyio-3.5.0
collected 4 items

test/basic_handshaking_test.py .... [100%]

===== 4 passed in 17.07s =====
(cs303) → CS305-Final-Project git:(main) X py.test test/basic_handshaking_test.py
===== test session starts =====
platform linux -- Python 3.9.7, pytest-7.2.0, pluggy-1.0.0
rootdir: /home/dazhi/CS305/CS305-Final-Project
plugins: anyio-3.5.0
collected 4 items

test/basic_handshaking_test.py .... [100%]

===== 4 passed in 17.07s =====
(cs303) → CS305-Final-Project git:(main) X py.test test/basic_handshaking_test.py
===== test session starts =====
platform linux -- Python 3.9.7, pytest-7.2.0, pluggy-1.0.0
rootdir: /home/dazhi/CS305/CS305-Final-Project
plugins: anyio-3.5.0
collected 4 items

test/basic_handshaking_test.py .... [100%]

===== 4 passed in 17.07s =====
```



03 | Congestion Control check

Congestion Control check

```
(cs303) → CS305-Final-Project git:(main) X py.test test/basic_transfer_test.py
===== test session starts =====
platform linux -- Python 3.9.7, pytest-7.2.0, pluggy-1.0.0
rootdir: /home/dazhi/CS305/CS305-Final-Project
plugins: anyio-3.5.0
collected 2 items

test/basic_transfer_test.py .. [100%]

===== 2 passed in 2.33s =====
(cs303) → CS305-Final-Project git:(main) X py.test test/basic_transfer_test.py
===== test session starts =====
platform linux -- Python 3.9.7, pytest-7.2.0, pluggy-1.0.0
rootdir: /home/dazhi/CS305/CS305-Final-Project
plugins: anyio-3.5.0
collected 2 items

test/basic_transfer_test.py .. [100%]

===== 2 passed in 2.32s =====
(cs303) → CS305-Final-Project git:(main) X py.test test/basic_transfer_test.py
===== test session starts =====
platform linux -- Python 3.9.7, pytest-7.2.0, pluggy-1.0.0
rootdir: /home/dazhi/CS305/CS305-Final-Project
plugins: anyio-3.5.0
collected 2 items

test/basic_transfer_test.py .. [100%]

===== 2 passed in 2.34s =====
(cs303) → CS305-Final-Project git:(main) X
```



04 | Concurrency check

Concurrency check

```
(cs303) → CS305-Final-Project git:(main) X py.test test/basic_concurrency_test.py
===== test session starts =====
platform linux -- Python 3.9.7, pytest-7.2.0, pluggy-1.0.0
rootdir: /home/dazhi/CS305/CS305-Final-Project
plugins: anyio-3.5.0
collected 3 items

test/basic_concurrency_test.py ... [100%]

===== 3 passed in 12.64s =====
(cs303) → CS305-Final-Project git:(main) X py.test test/basic_concurrency_test.py
===== test session starts =====
platform linux -- Python 3.9.7, pytest-7.2.0, pluggy-1.0.0
rootdir: /home/dazhi/CS305/CS305-Final-Project
plugins: anyio-3.5.0
collected 3 items

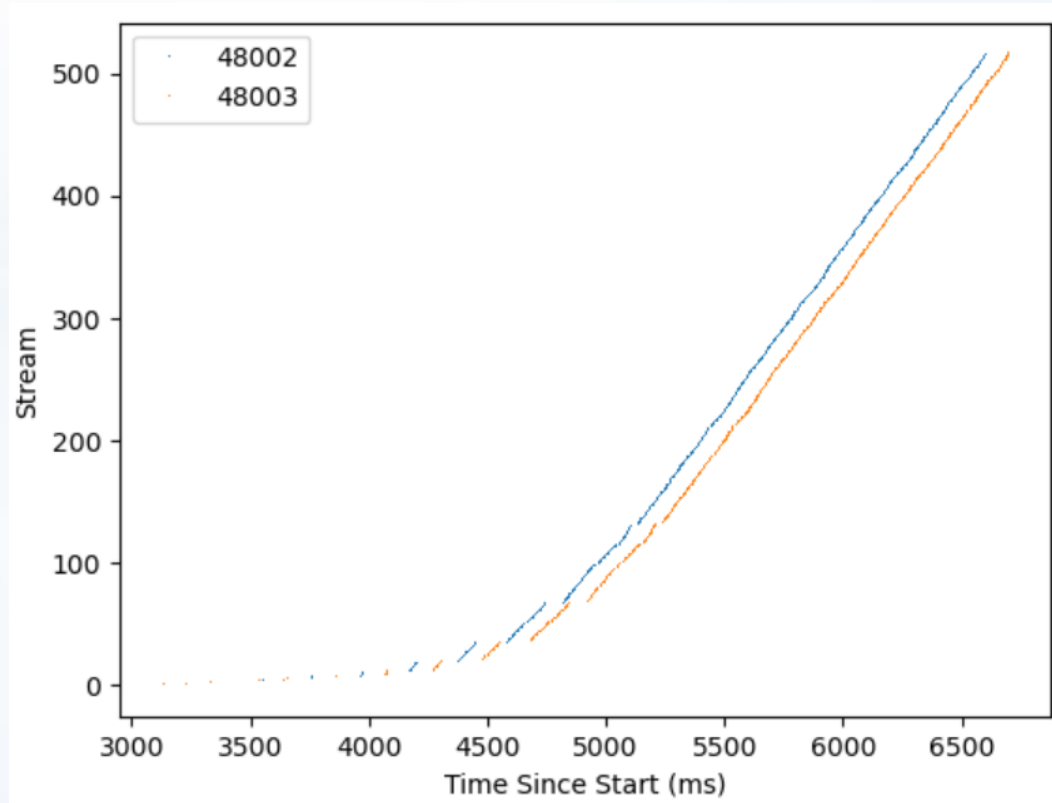
test/basic_concurrency_test.py ... [100%]

===== 3 passed in 12.64s =====
(cs303) → CS305-Final-Project git:(main) X py.test test/basic_concurrency_test.py
===== test session starts =====
platform linux -- Python 3.9.7, pytest-7.2.0, pluggy-1.0.0
rootdir: /home/dazhi/CS305/CS305-Final-Project
plugins: anyio-3.5.0
collected 3 items

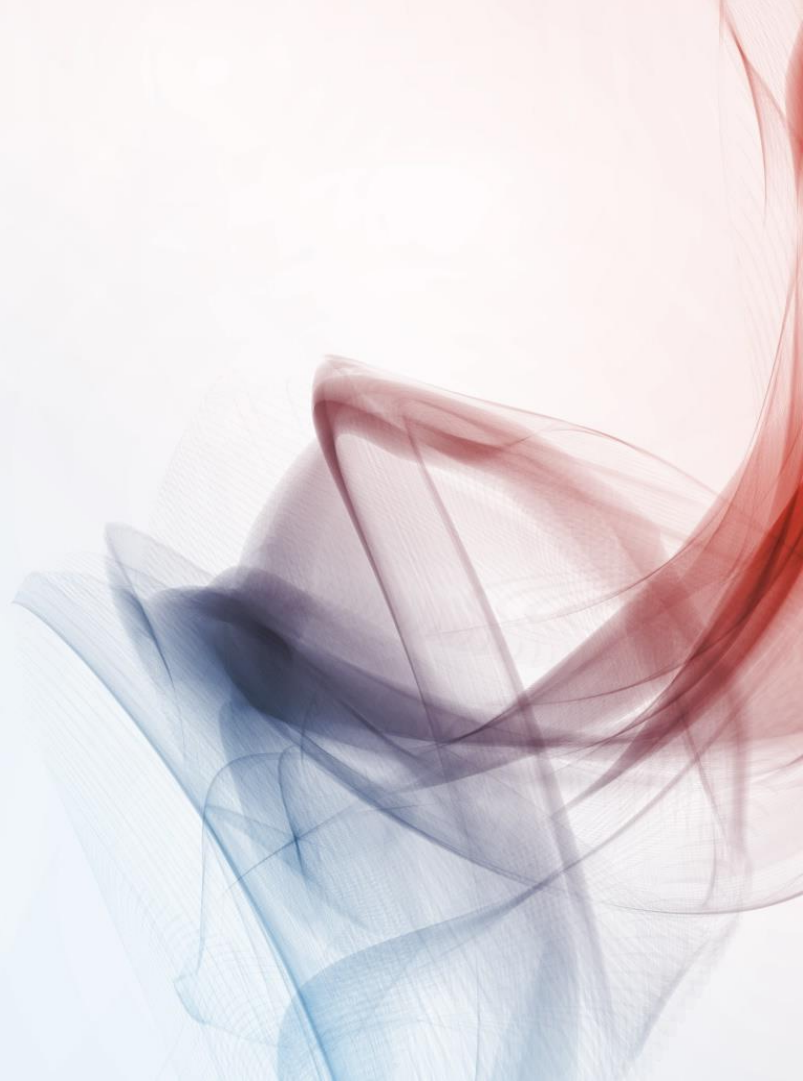
test/basic_concurrency_test.py ... [100%]

===== 3 passed in 12.62s =====
(cs303) → CS305-Final-Project git:(main) X
```

Concurrency check



05 | Crash check



Crash check

```
(cs303) → CS305-Final-Project git:(main) X py.test test/basic_crash_test.py
===== test session starts =====
platform linux -- Python 3.9.7, pytest-7.2.0, pluggy-1.0.0
rootdir: /home/dazhi/CS305/CS305-Final-Project
plugins: anyio-3.5.0
collected 2 items

test/basic_crash_test.py .. [100%]

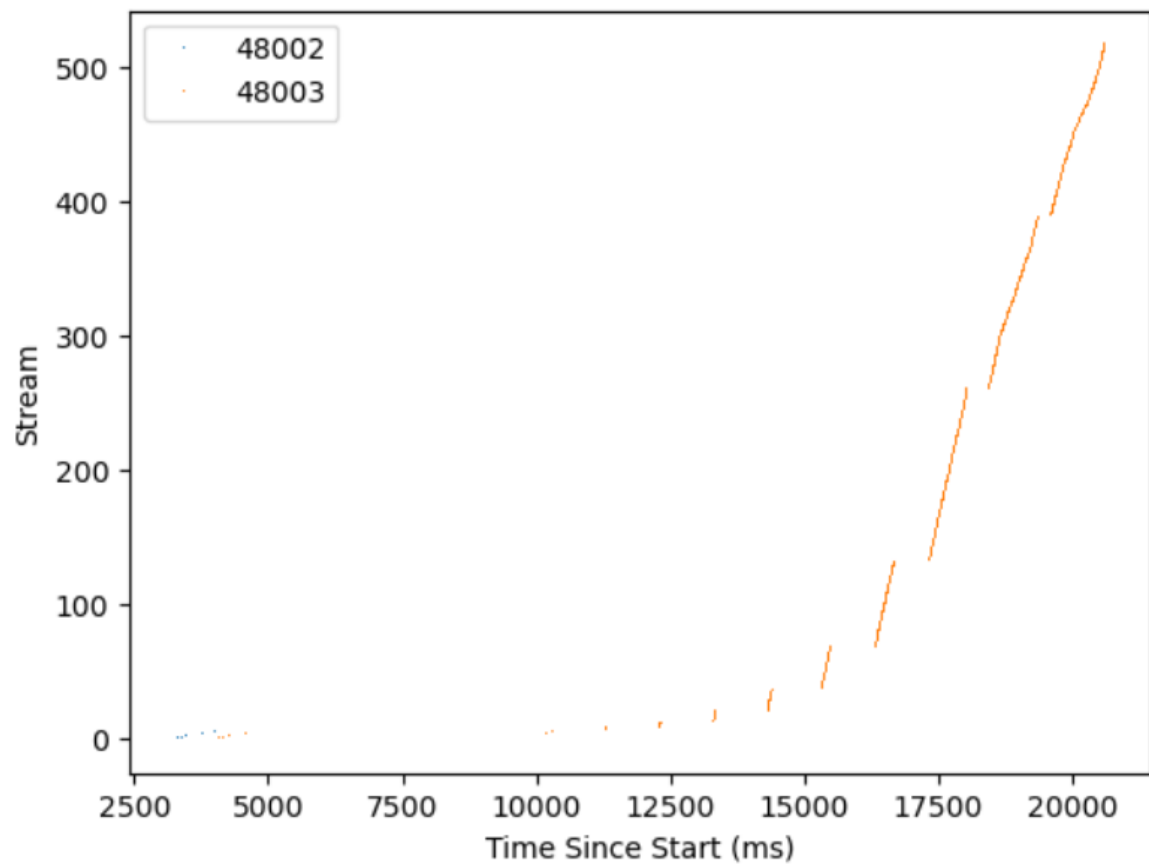
===== 2 passed in 26.06s =====
(cs303) → CS305-Final-Project git:(main) X py.test test/basic_crash_test.py
===== test session starts =====
platform linux -- Python 3.9.7, pytest-7.2.0, pluggy-1.0.0
rootdir: /home/dazhi/CS305/CS305-Final-Project
plugins: anyio-3.5.0
collected 2 items

test/basic_crash_test.py .. [100%]

===== 2 passed in 26.07s =====
(cs303) → CS305-Final-Project git:(main) X py.test test/basic_crash_test.py
===== test session starts =====
platform linux -- Python 3.9.7, pytest-7.2.0, pluggy-1.0.0
rootdir: /home/dazhi/CS305/CS305-Final-Project
plugins: anyio-3.5.0
collected 2 items

test/basic_crash_test.py .. [100%]

===== 2 passed in 26.06s =====
(cs303) → CS305-Final-Project git:(main) X
```





06 | Comprehensive check

Comprehensive check

```
(cs303) → CS305-Final-Project git:(main) X py.test test/advance_test.py
===== test session starts =====
platform linux -- Python 3.9.7, pytest-7.2.0, pluggy-1.0.0
rootdir: /home/dazhi/CS305/CS305-Final-Project
plugins: anyio-3.5.0
collected 2 items

test/advance_test.py .. [100%]

===== 2 passed in 88.16s (0:01:28) =====
(cs303) → CS305-Final-Project git:(main) X py.test test/advance_test.py
===== test session starts =====
platform linux -- Python 3.9.7, pytest-7.2.0, pluggy-1.0.0
rootdir: /home/dazhi/CS305/CS305-Final-Project
plugins: anyio-3.5.0
collected 2 items

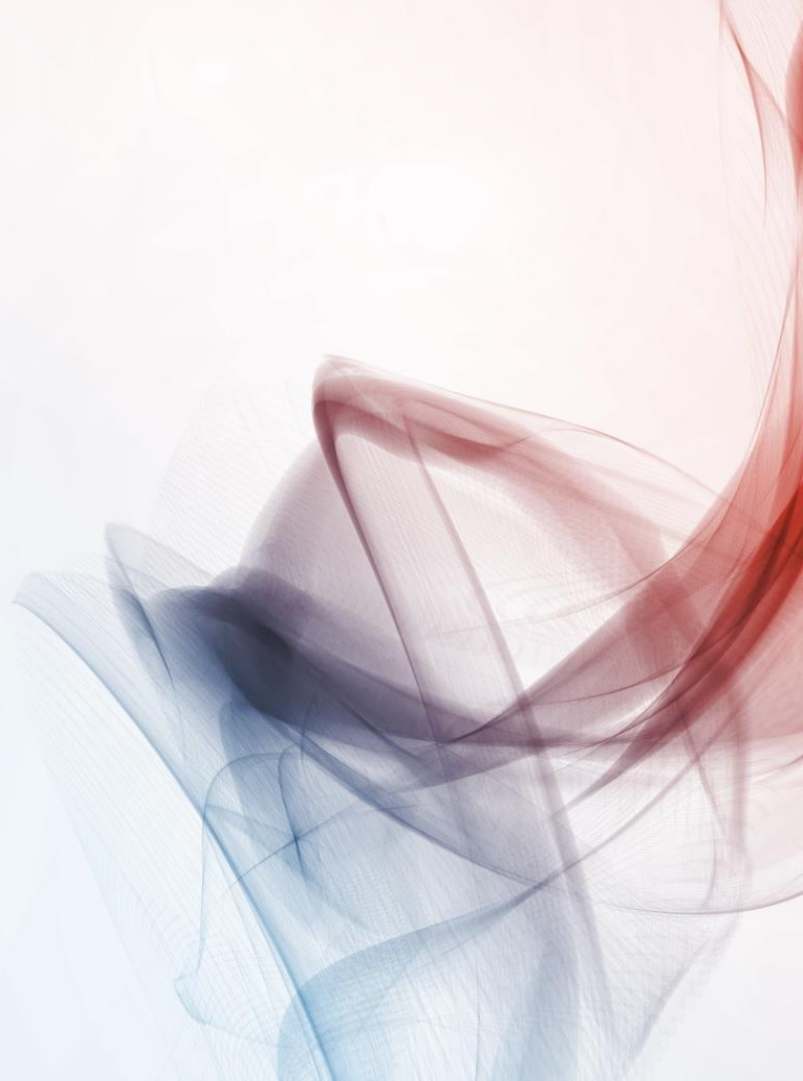
test/advance_test.py .. [100%]

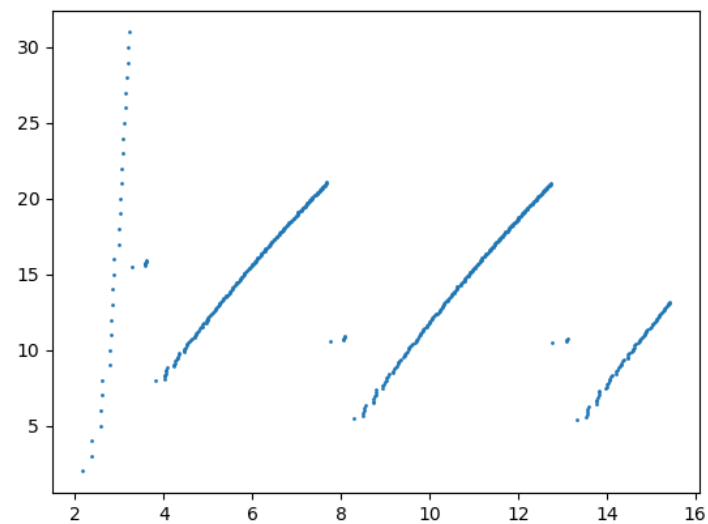
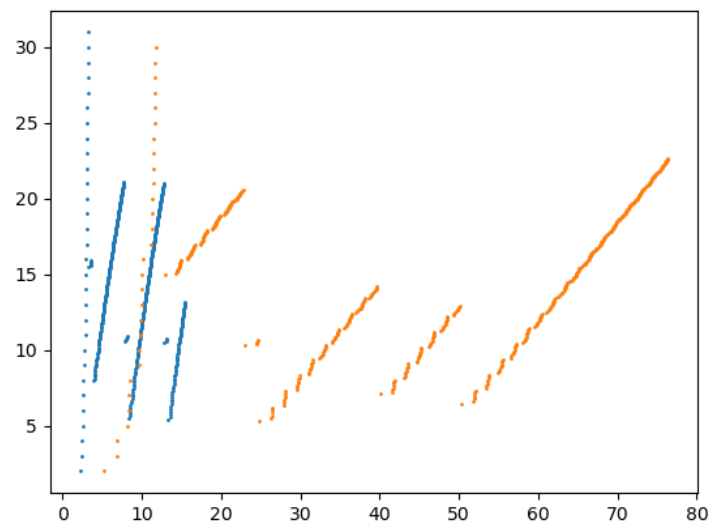
===== 2 passed in 89.16s (0:01:29) =====
(cs303) → CS305-Final-Project git:(main) X py.test test/advance_test.py
===== test session starts =====
platform linux -- Python 3.9.7, pytest-7.2.0, pluggy-1.0.0
rootdir: /home/dazhi/CS305/CS305-Final-Project
plugins: anyio-3.5.0
collected 2 items

test/advance_test.py .. [100%]

===== 2 passed in 87.15s (0:01:27) =====
(cs303) → CS305-Final-Project git:(main) X
```

07 | Bonus check







CS305 Final Project

感谢观看