

ALGO project Test Case results

Simple case no reappearance dependency:

g1 d1 case:

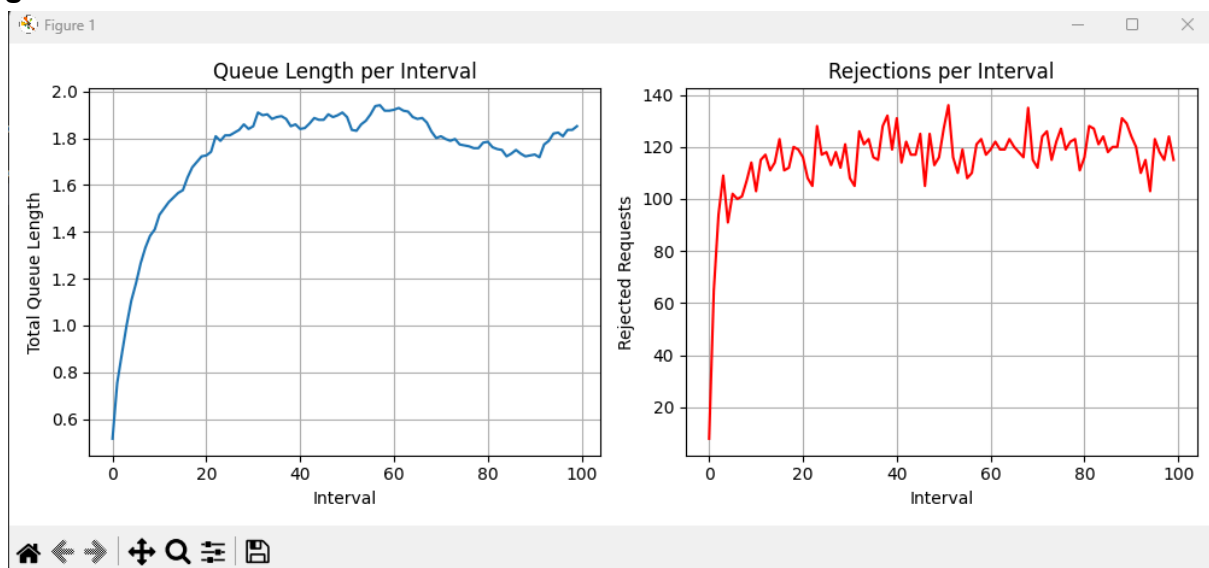
G1 and d4 case to show how greedy approach better for reappearance dependency:

Large dataset:

Refer to Test Case 3 for INput Params
d= 2 and g = 4

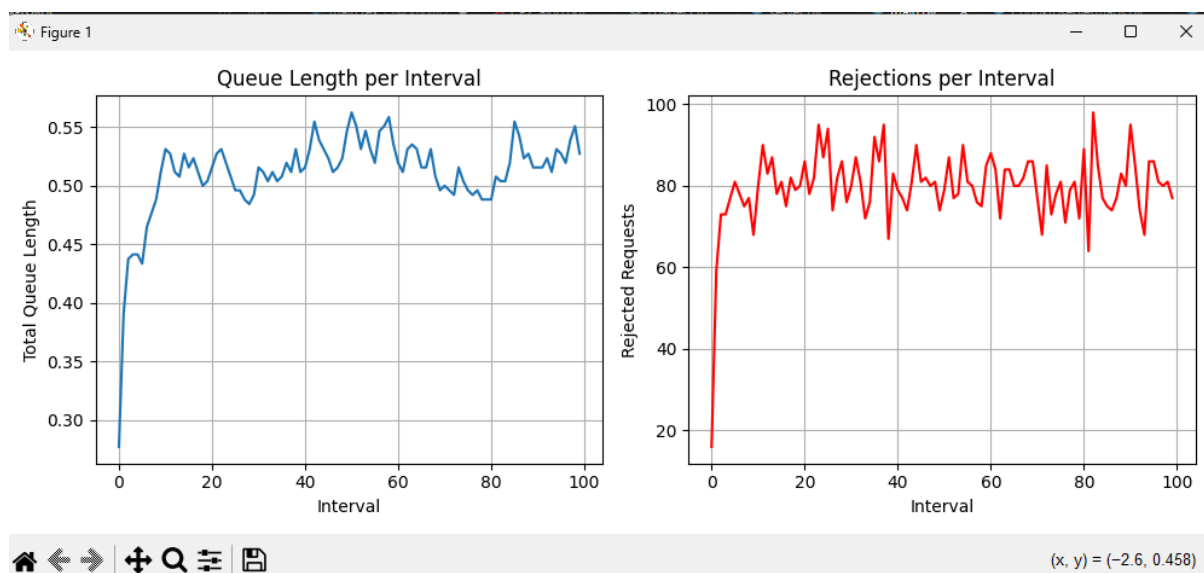
Random:

g= 1 case



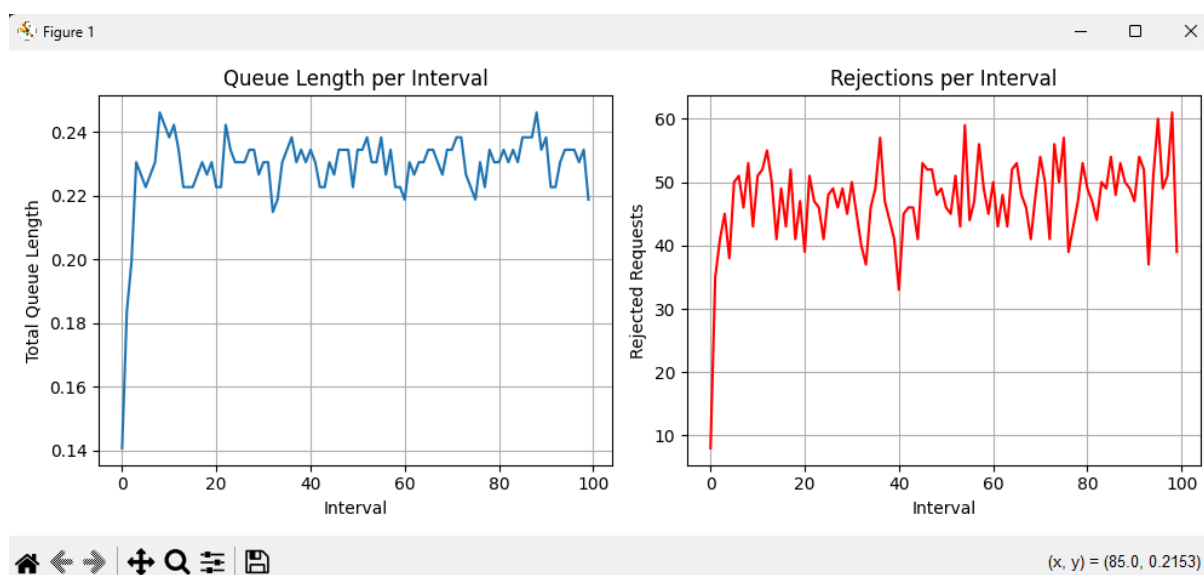
```
--- Simulation Summary ---
Total Requests: 25600
Accepted Requests: 14035
Rejected Requests: 11565
Rejection Rate: 0.4518
█
```

G = 2 case



```
--- Simulation Summary ---
Total Requests: 25600
Accepted Requests: 17636
Rejected Requests: 7964
Rejection Rate: 0.3111
█
```

G = 4



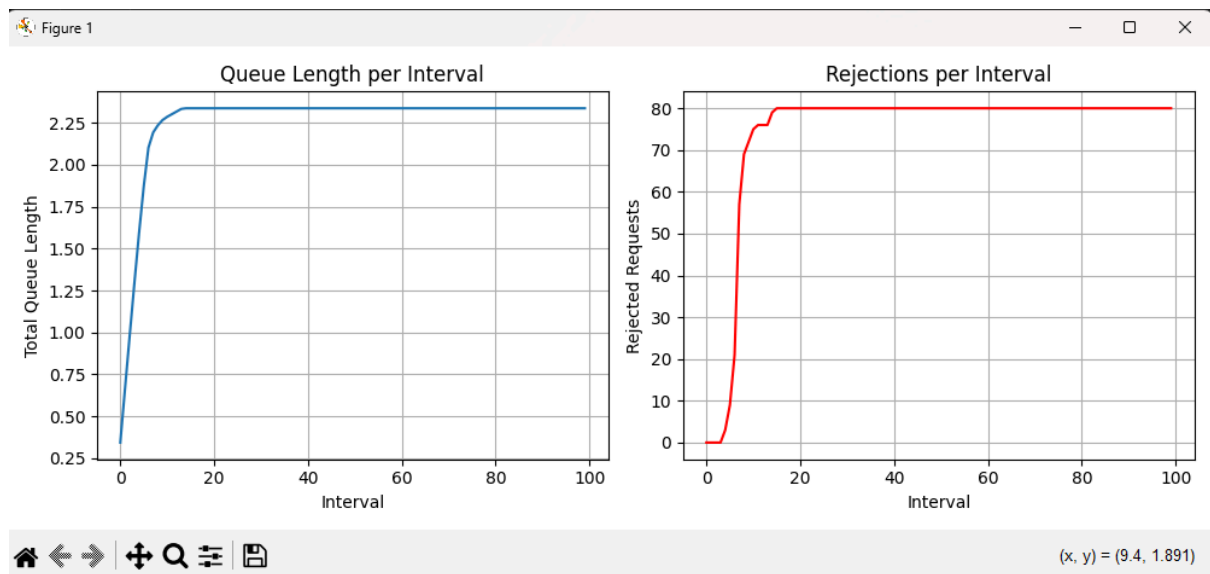
```

--- Simulation Summary ---
Total Requests: 25600
Accepted Requests: 20886
Rejected Requests: 4714
Rejection Rate: 0.1841

```

Greedy :

G =1 case

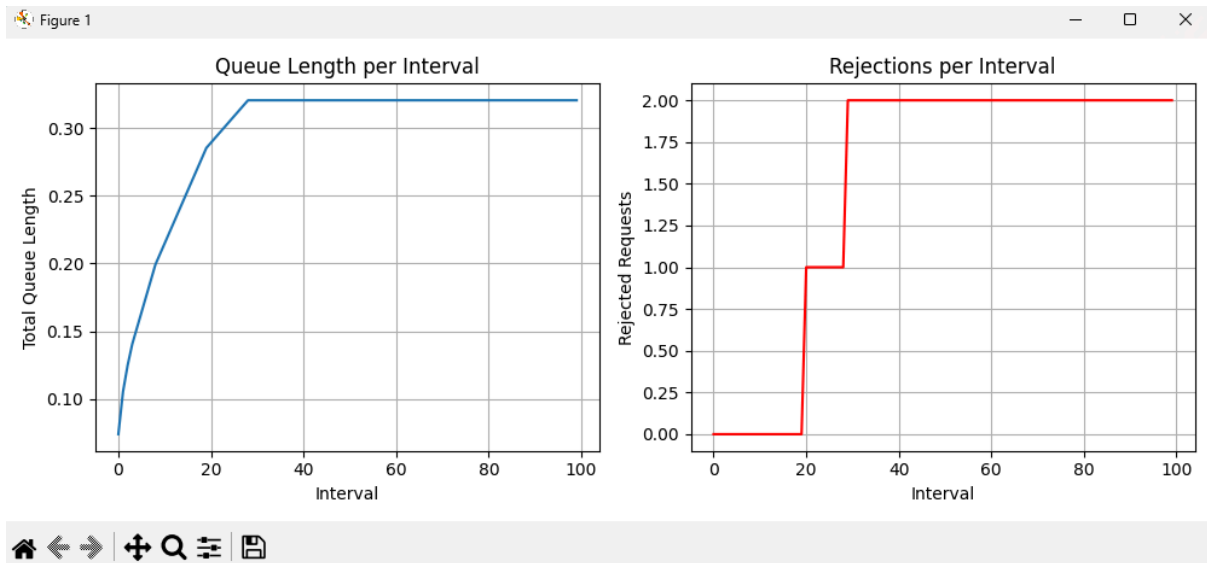


```

--- Simulation Summary ---
Total Requests: 25600
Accepted Requests: 18187
Rejected Requests: 7413
Rejection Rate: 0.2896

```

G = 2 case:

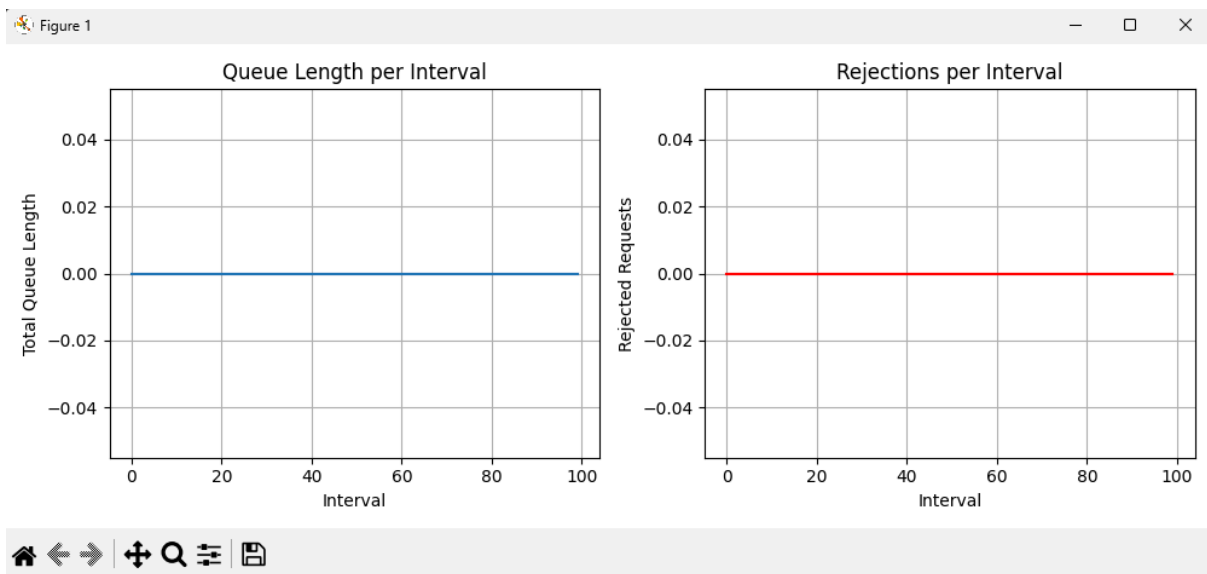


```

--- Simulation Summary ---
Total Requests: 25600
Accepted Requests: 25449
Rejected Requests: 151
Rejection Rate: 0.0059

```

G=4:



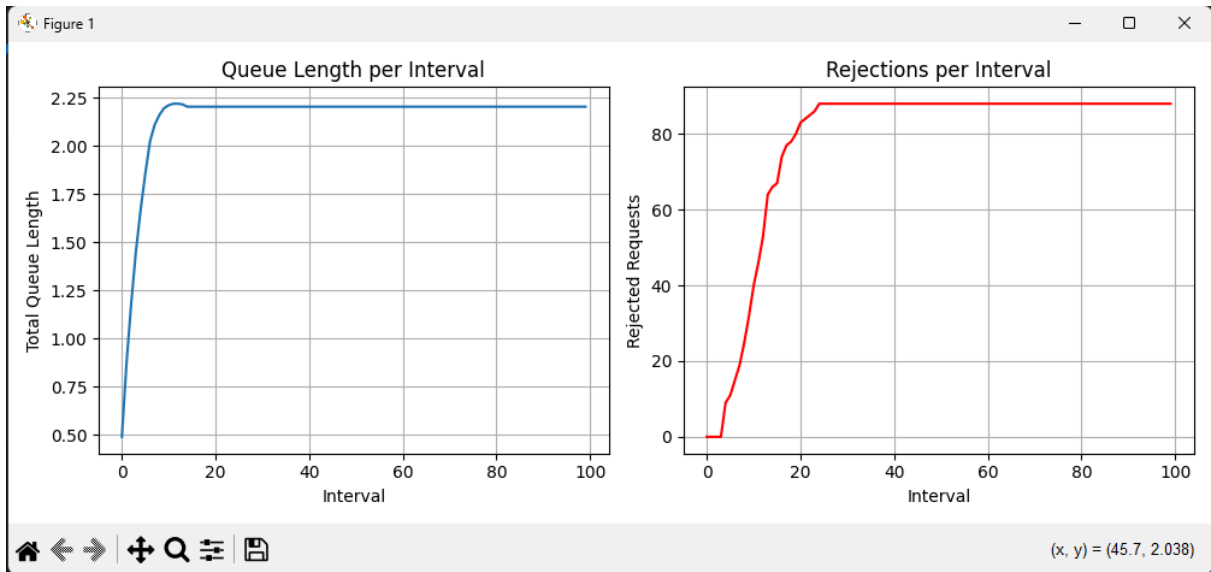
```

--- Simulation Summary ---
Total Requests: 25600
Accepted Requests: 25600
Rejected Requests: 0
Rejection Rate: 0.0000
PS D:\Algo_Project>

```

Cuckoo:

G = 1:

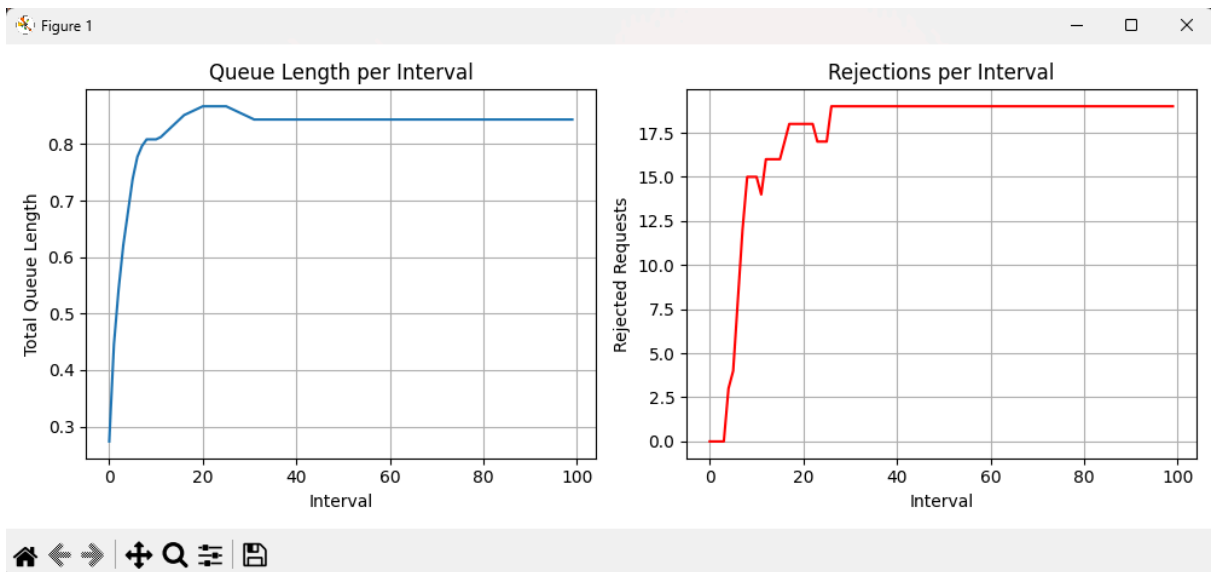


```

--- Simulation Summary ---
Total Requests: 25600
Accepted Requests: 17818
Rejected Requests: 7782
Rejection Rate: 0.3040

```

G = 2: // cuckoo hashing WOrks mainly for G =2 case refer to research paper

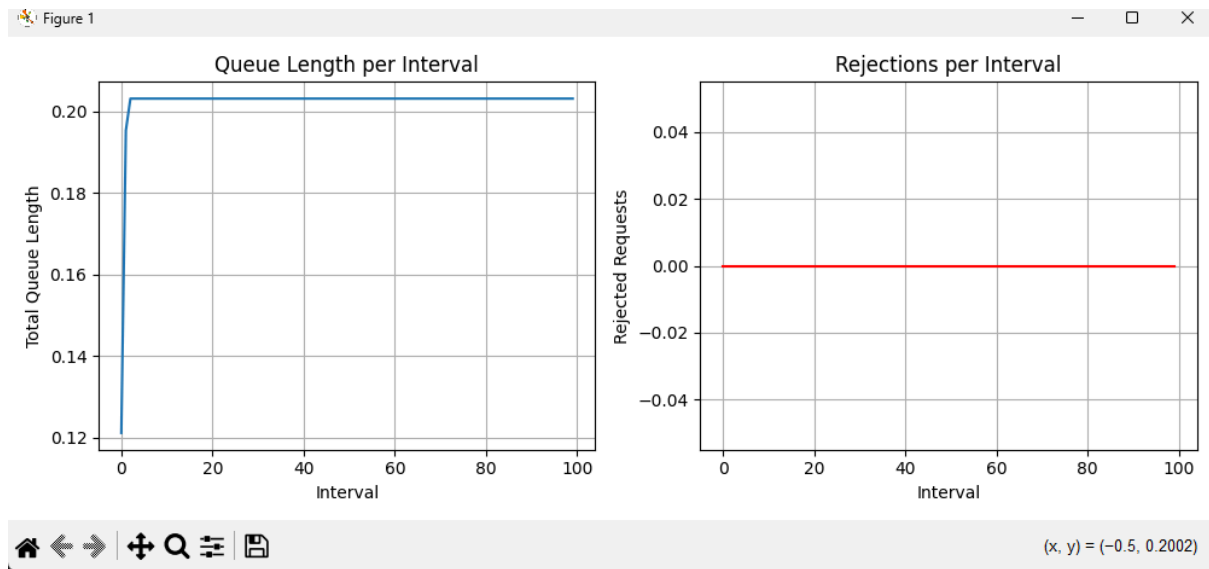


```

--- Simulation Summary ---
Total Requests: 25600
Accepted Requests: 23868
Rejected Requests: 1732
Rejection Rate: 0.0677

```

G=4



```
--- Simulation Summary ---  
Total Requests: 25600  
Accepted Requests: 25600  
Rejected Requests: 0  
Rejection Rate: 0.0000
```