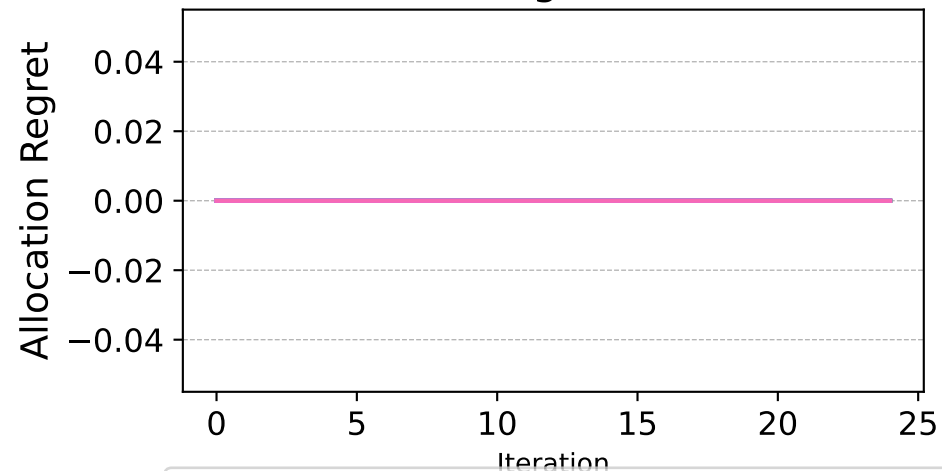


Allocation Regret Over Time



PPO Bidder - Net Utility 1

Truthful Competitor 2

Truthful Competitor 3

Truthful Competitor 4

Truthful Competitor 5

Truthful Competitor 6

Truthful Competitor 7

Truthful Competitor 8

Truthful Competitor 9

Truthful Competitor 10

Truthful Competitor 11

Truthful Competitor 12

Truthful Competitor 13

Truthful Competitor 14

Truthful Competitor 15

Truthful Competitor 16