

misalign

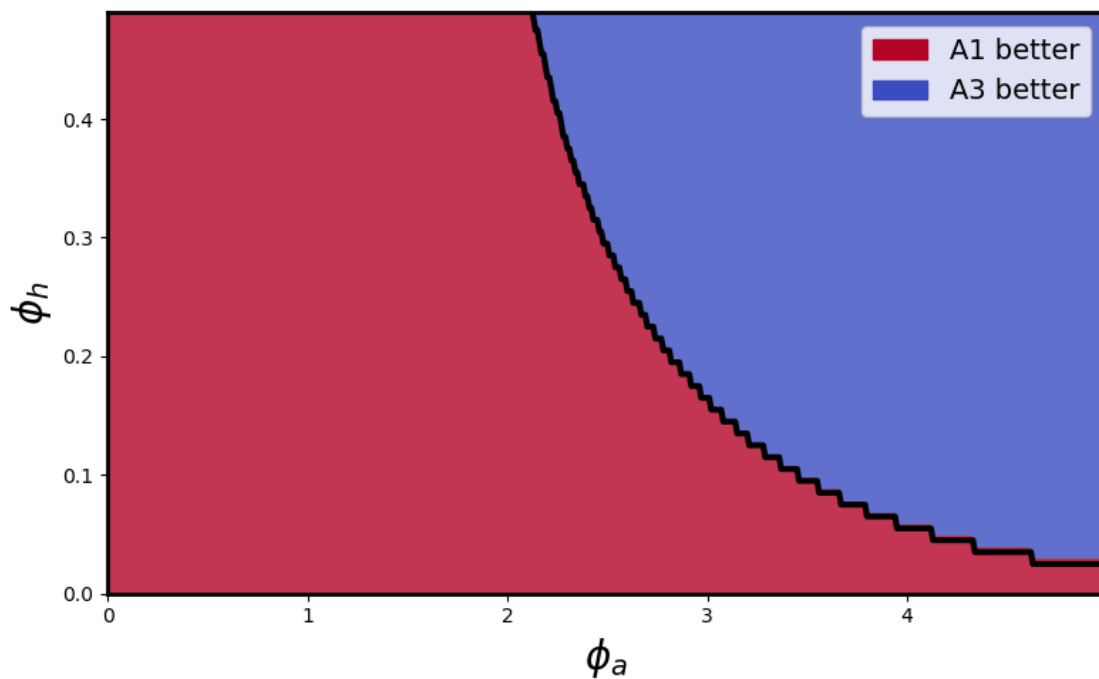
May 19, 2025

```
[4]: from plot import *
```

1 Numerical Extensions of Section 4

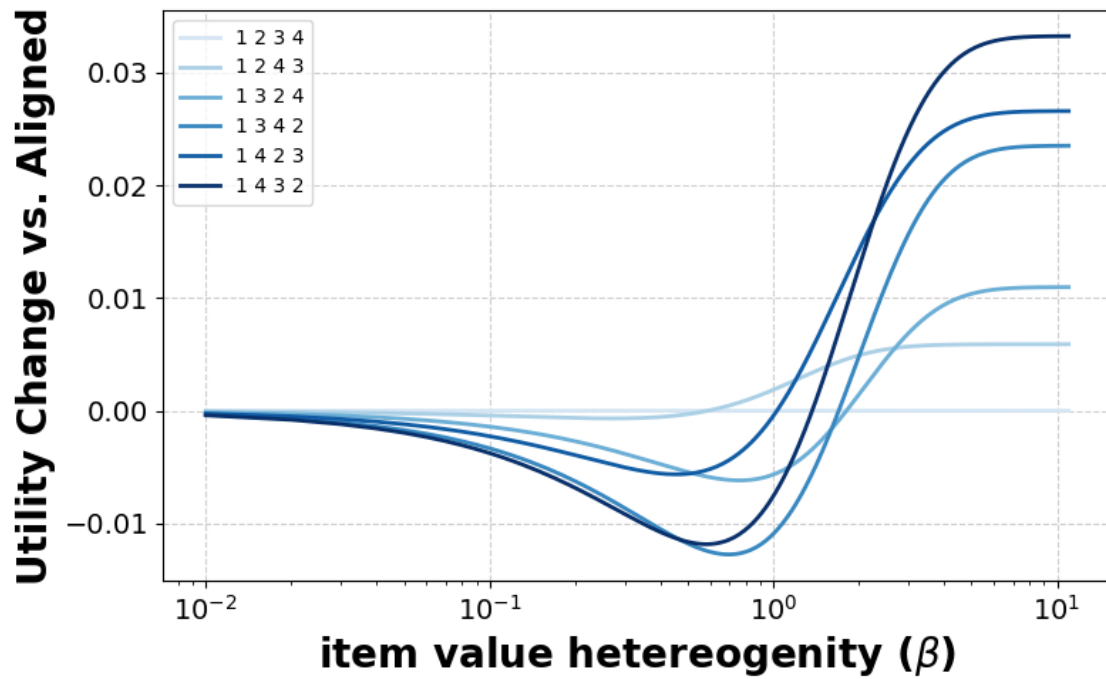
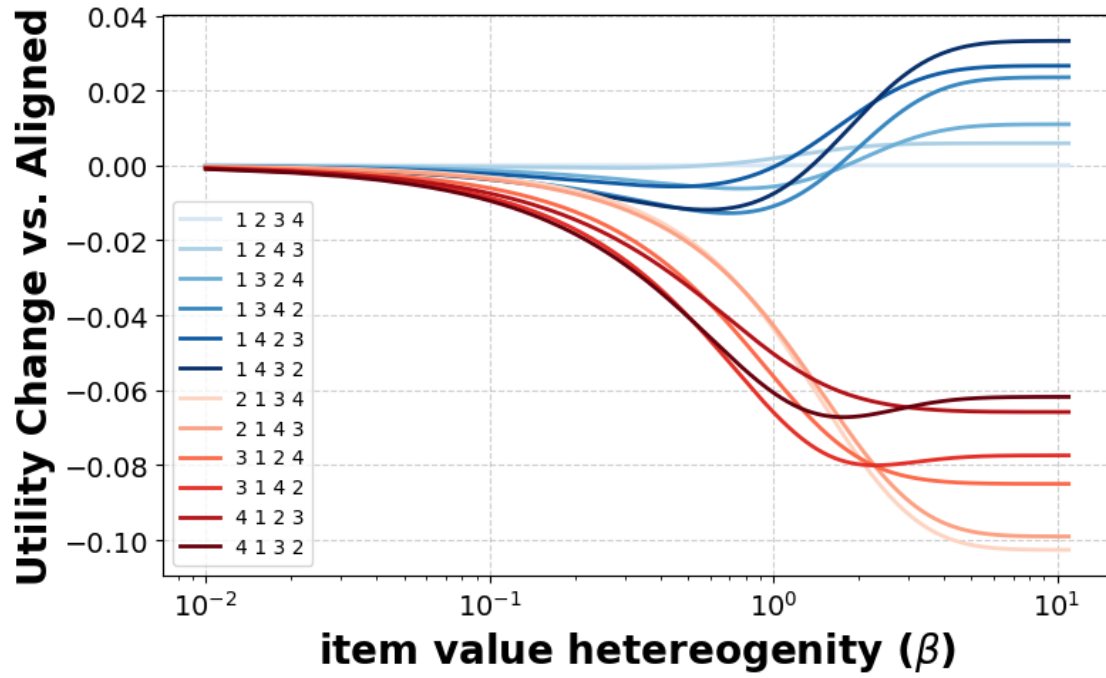
1.1 Comparison between A1 and A3

```
[3]: plot_comparison_of_a1_a3()
```



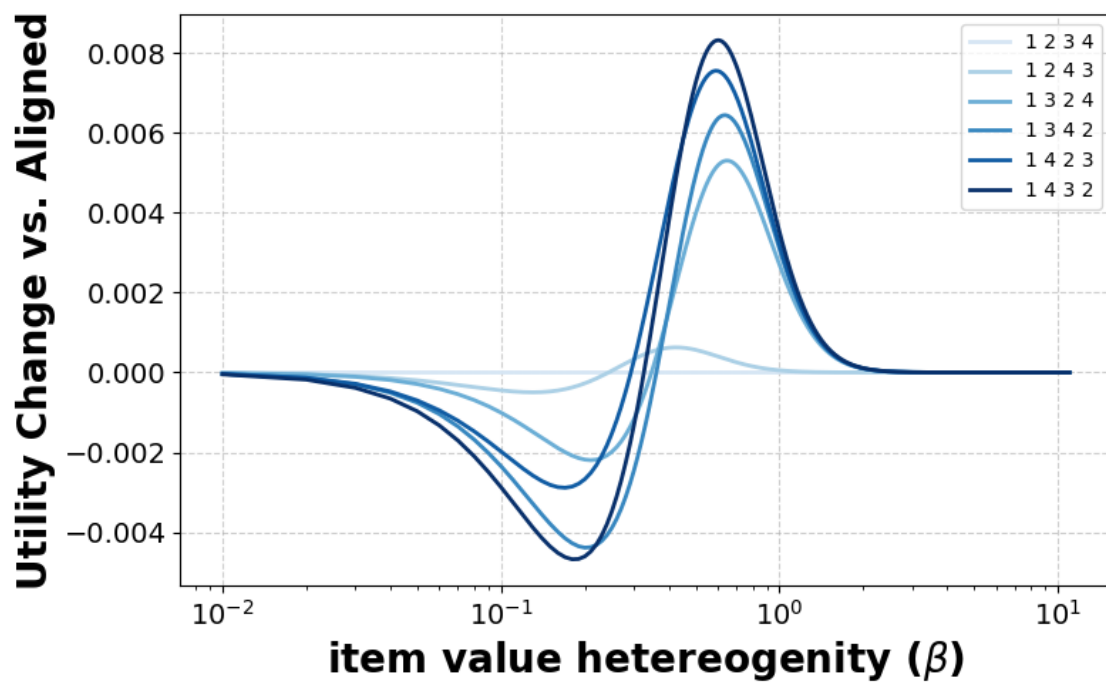
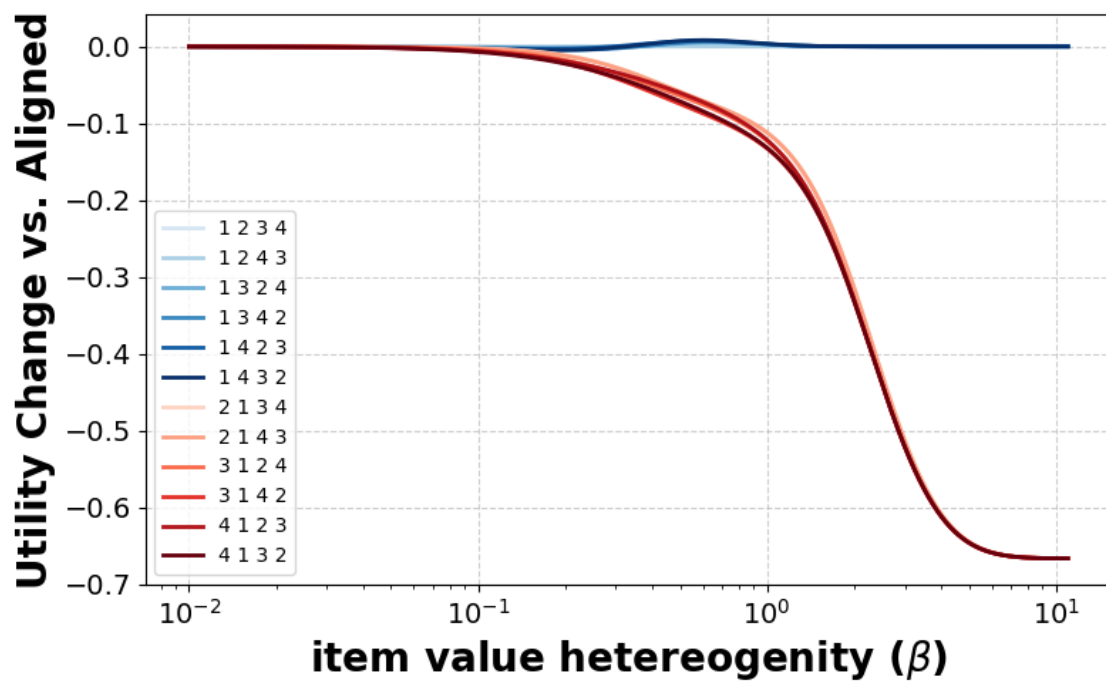
1.2 Comparative Benefits of Misalignment Extension of Theorem 1

```
[3]: # Figure 4
      comparion_between_aligned_and_misaligned_algorithm()
      comparion_between_aligned_algorithms()
```



```
[5]: # Figure 5
      comparion_between_aligned_and_misaligned_algorithm_RUM()
```

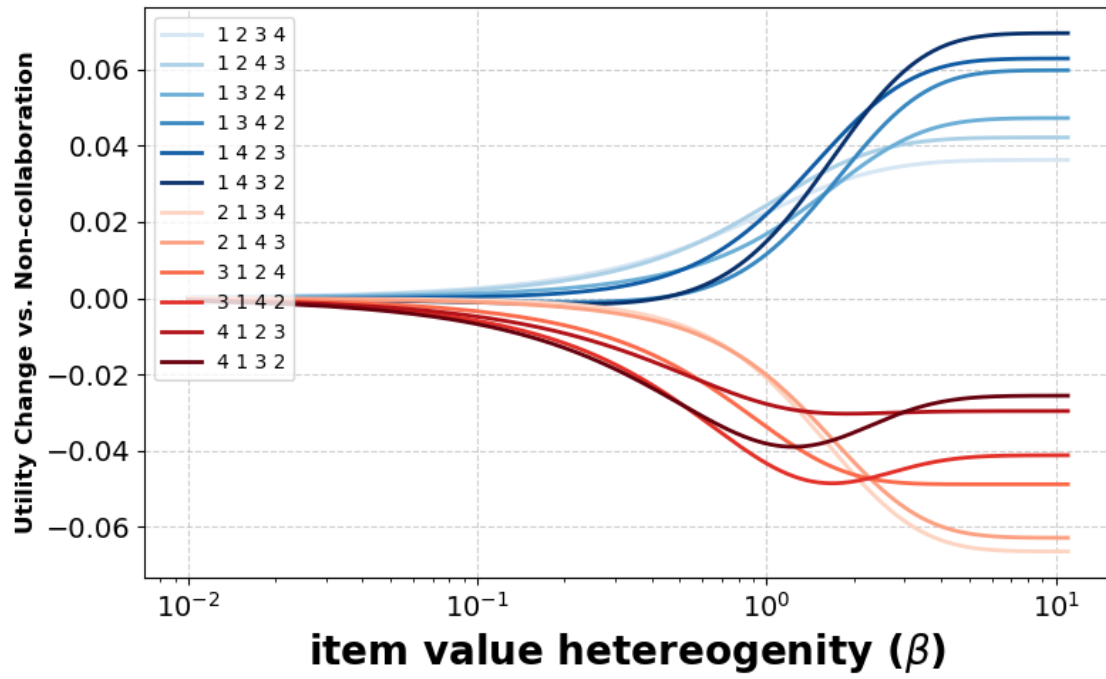
```
comparion_between_aligned_algorithms_RUM()
```

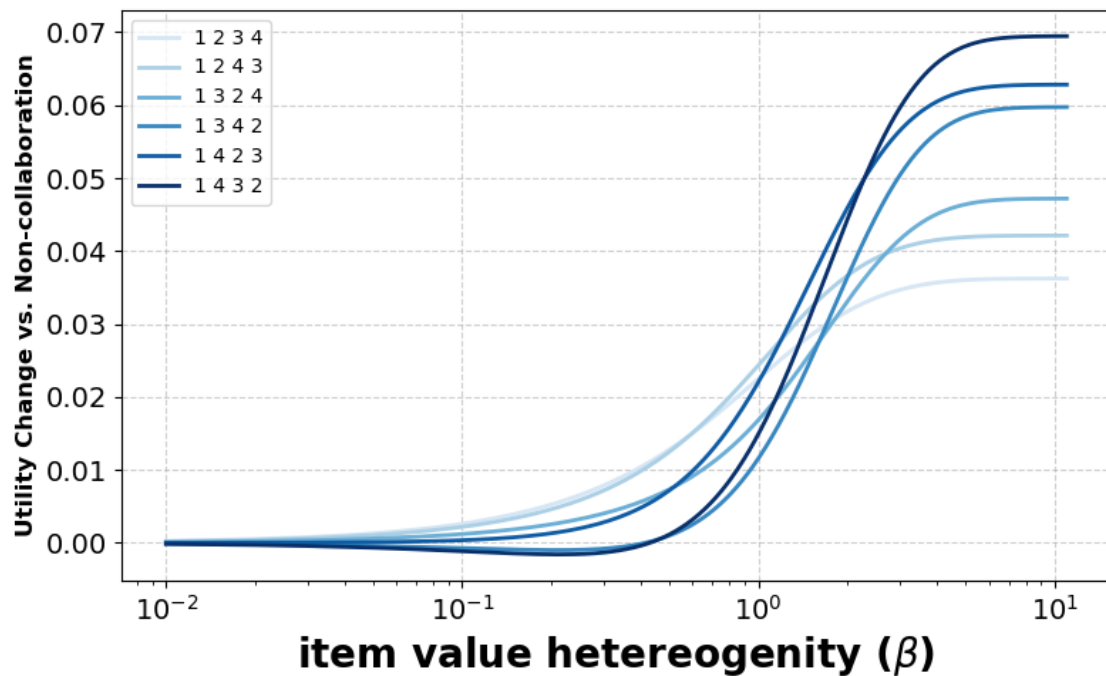


2 Numerical Extensions of Section 5

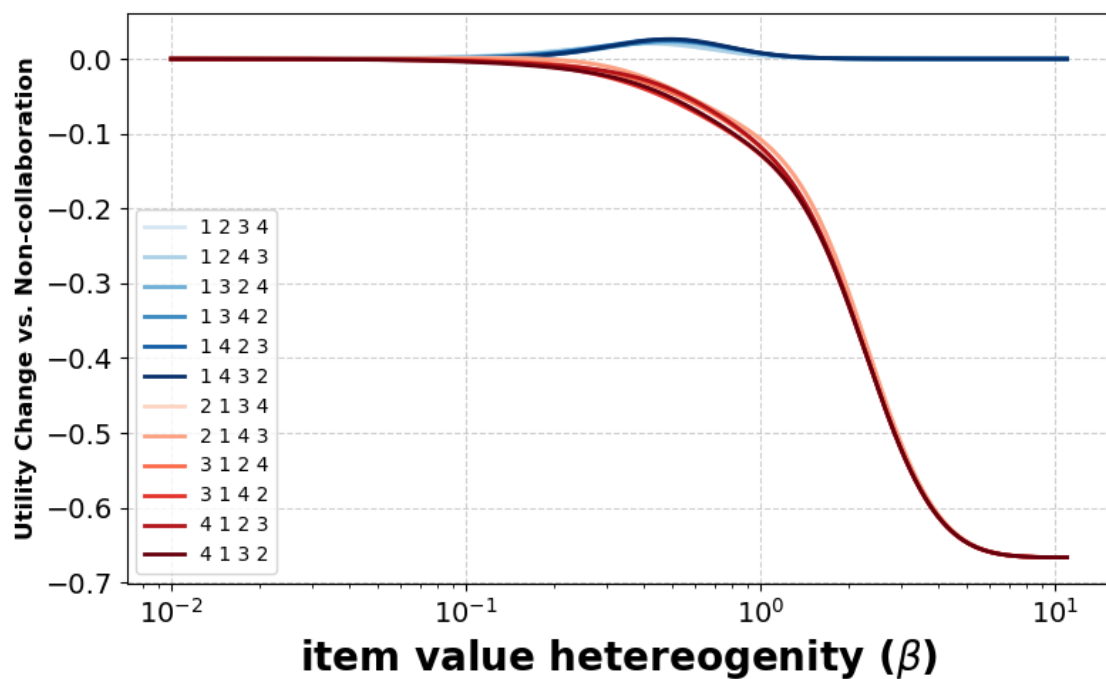
2.1 Uplift with Misalignment

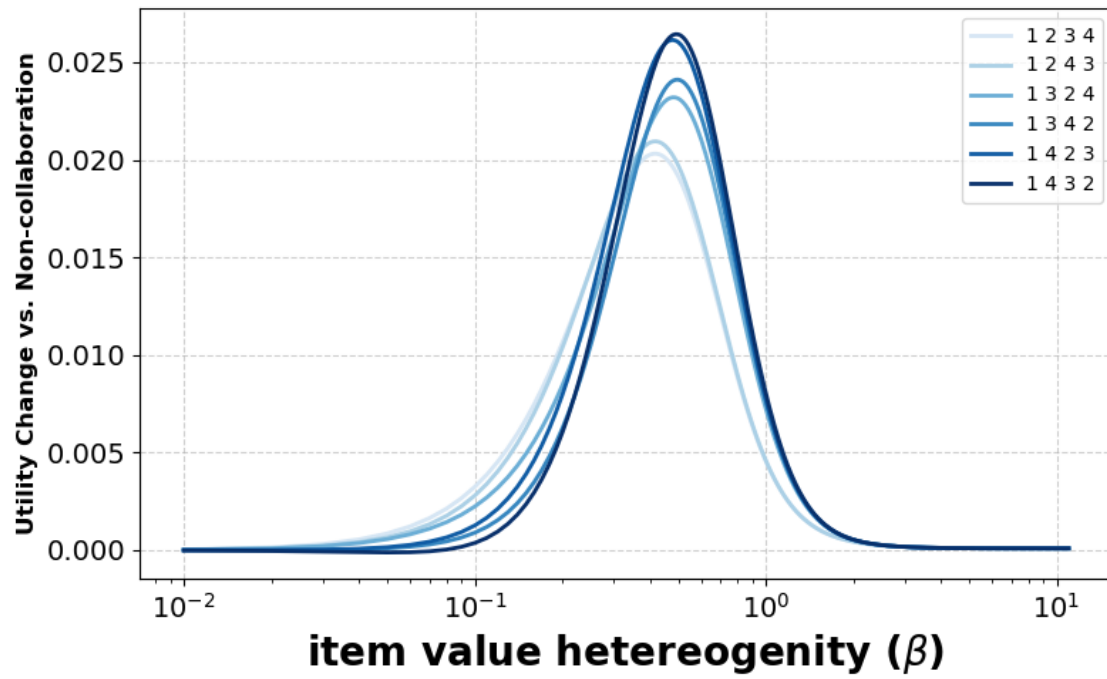
```
[6]: # Figure 6.1
      comparion_between_algorithms_over_noncollaboration()
      # Figure 6.2
      comparion_between_aligned_algorithms_over_noncollaboration()
```





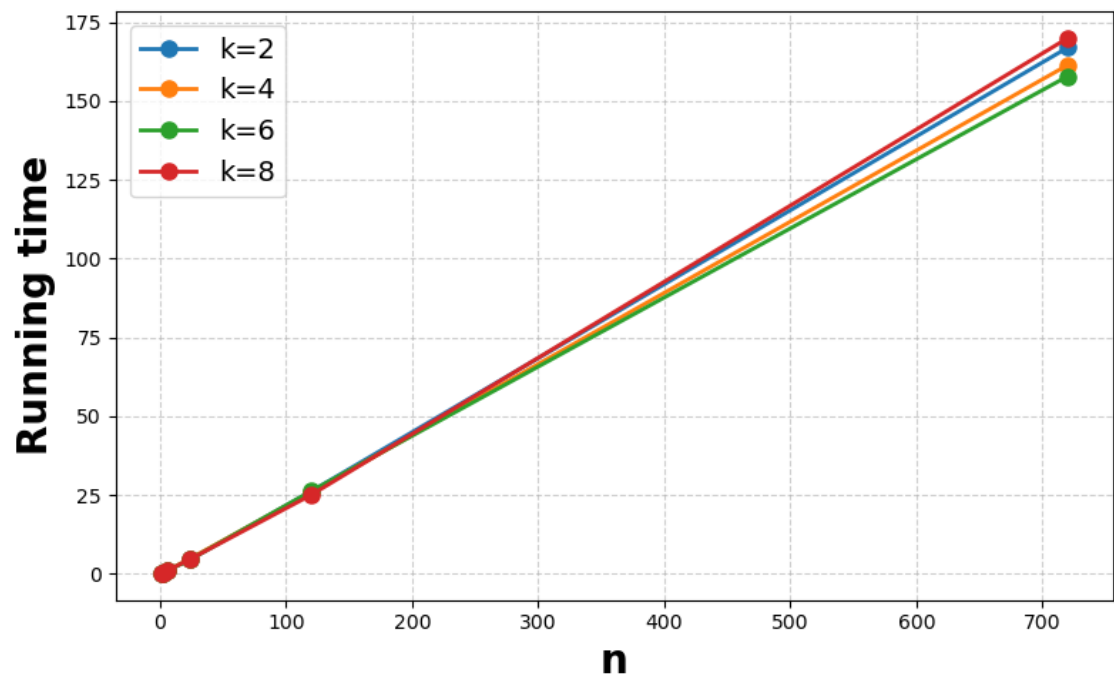
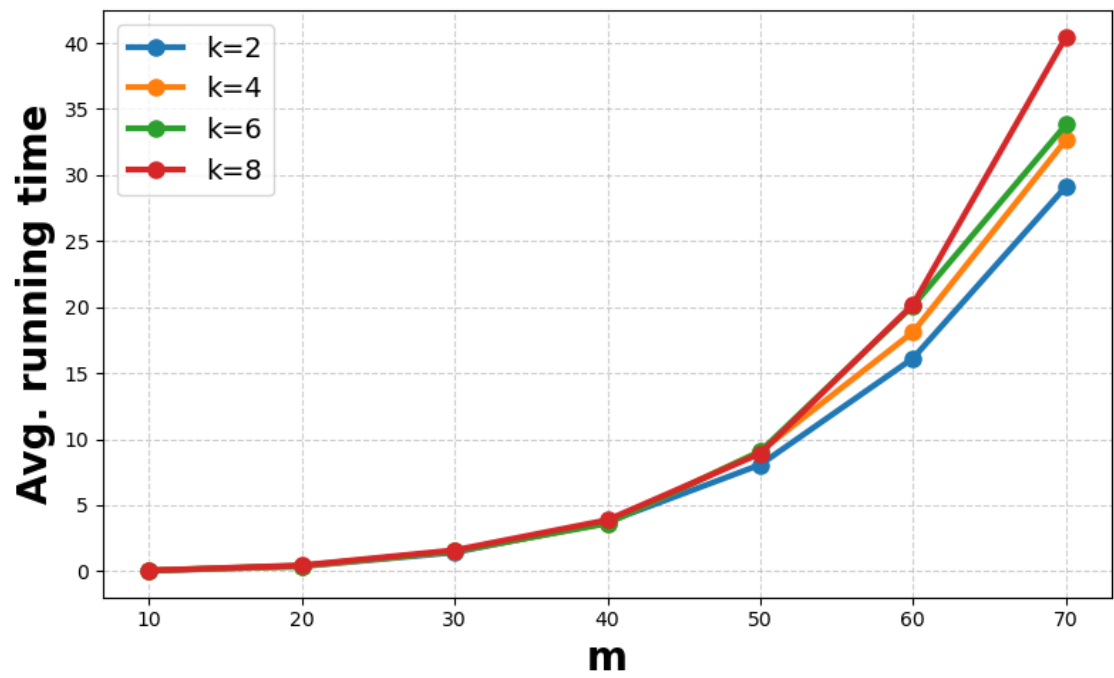
```
[7]: # Figure 7.1
      comparison_between_algorithms_over_noncollaboration_RUM()
      # Figure 7.2
      comparison_between_aligned_algorithms_over_noncollaboration_RUM()
```





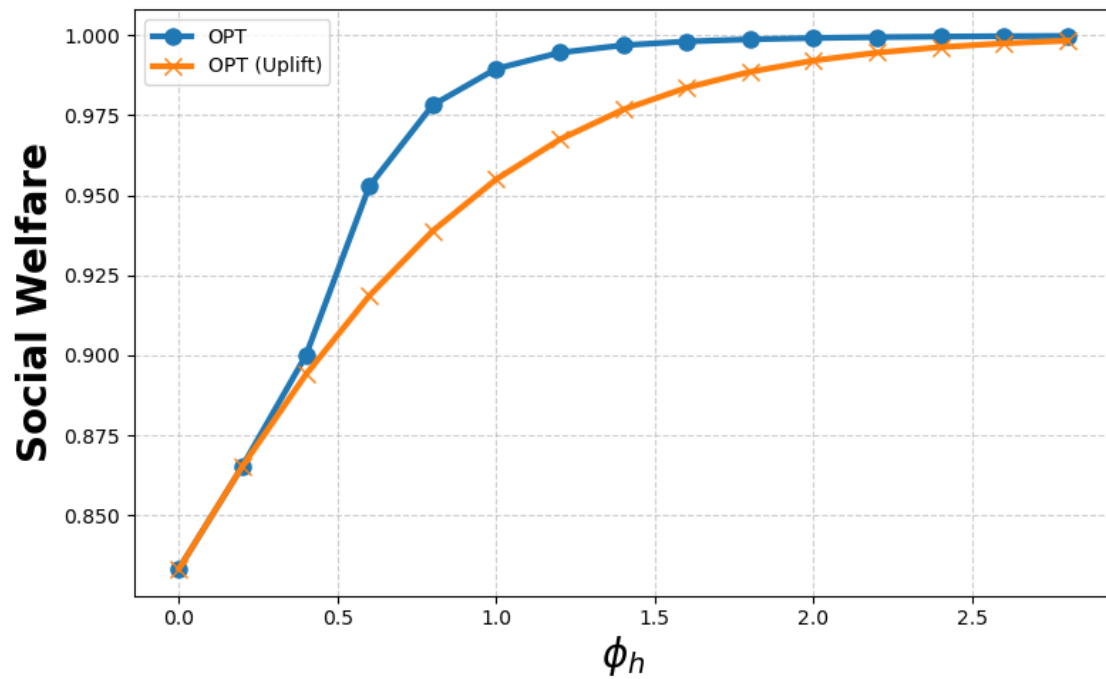
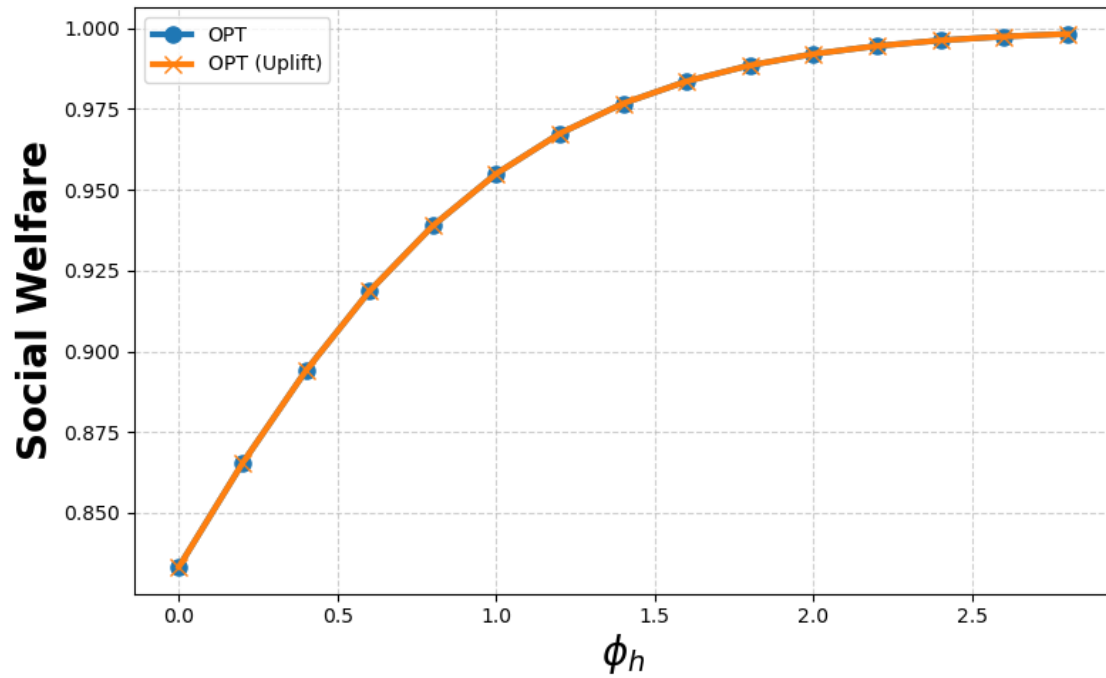
2.2 Performance of MIP

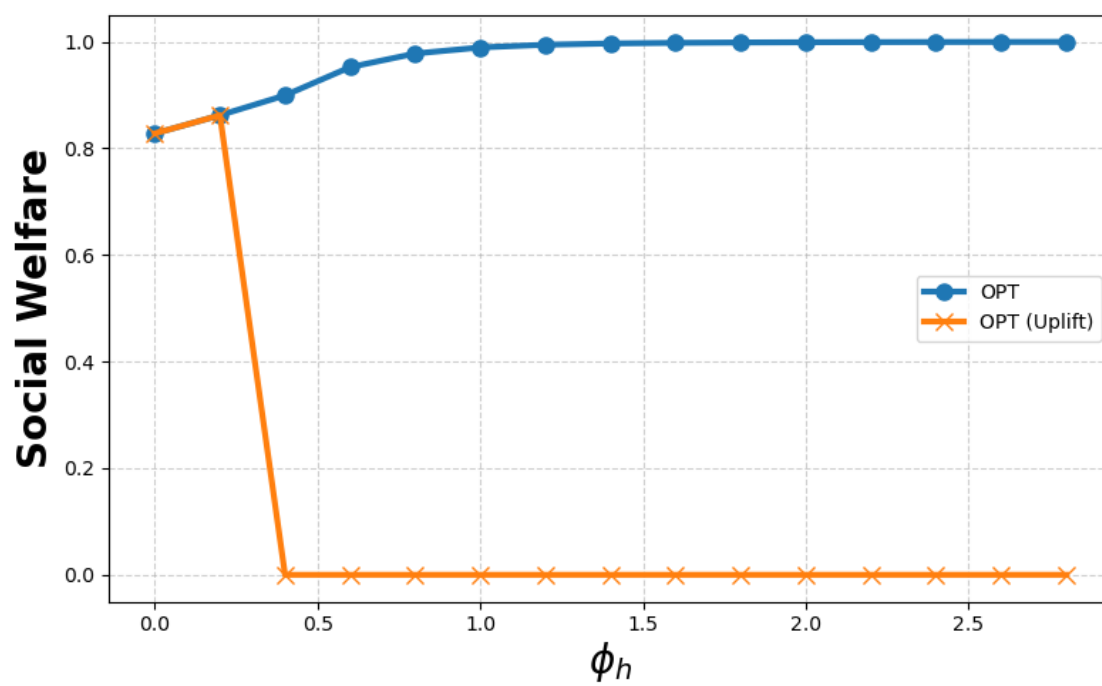
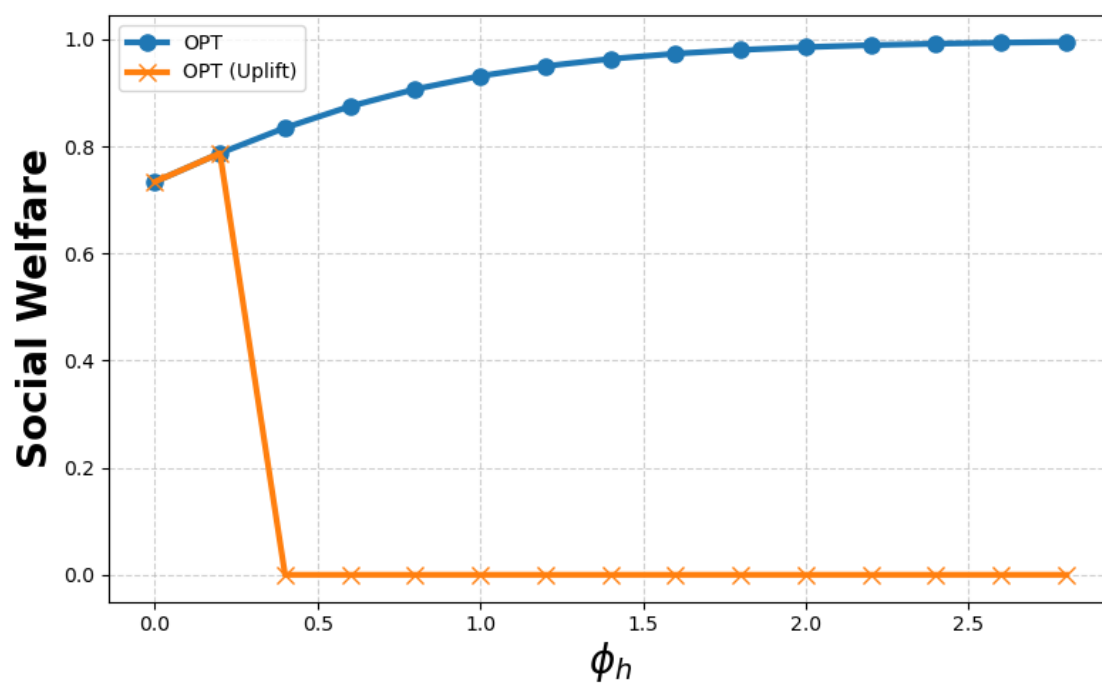
```
[10]: # Figure 8 and 9
      plot_running_time(True)
```



2.3 Tensions between Uplift and Social Welfare

```
[11]: # Figure 10 to 13
plot_social_welfare_uplift(from_stored=True)
```





2.4 Small Noise Faciliates Uplift

```
[12]: # Figure 14
plot_minimum_noise_for_uplift(from_stored=True)
```

