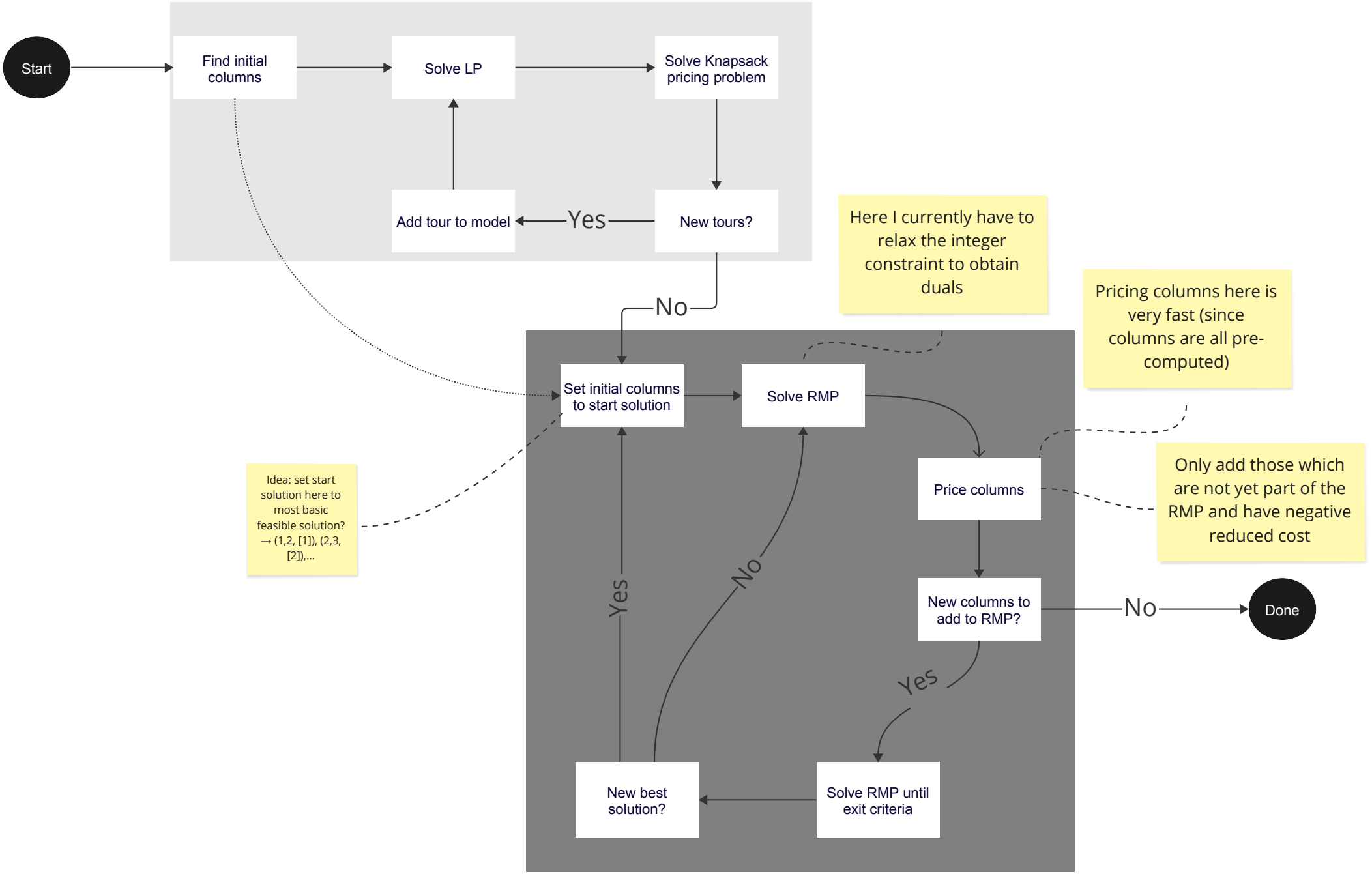
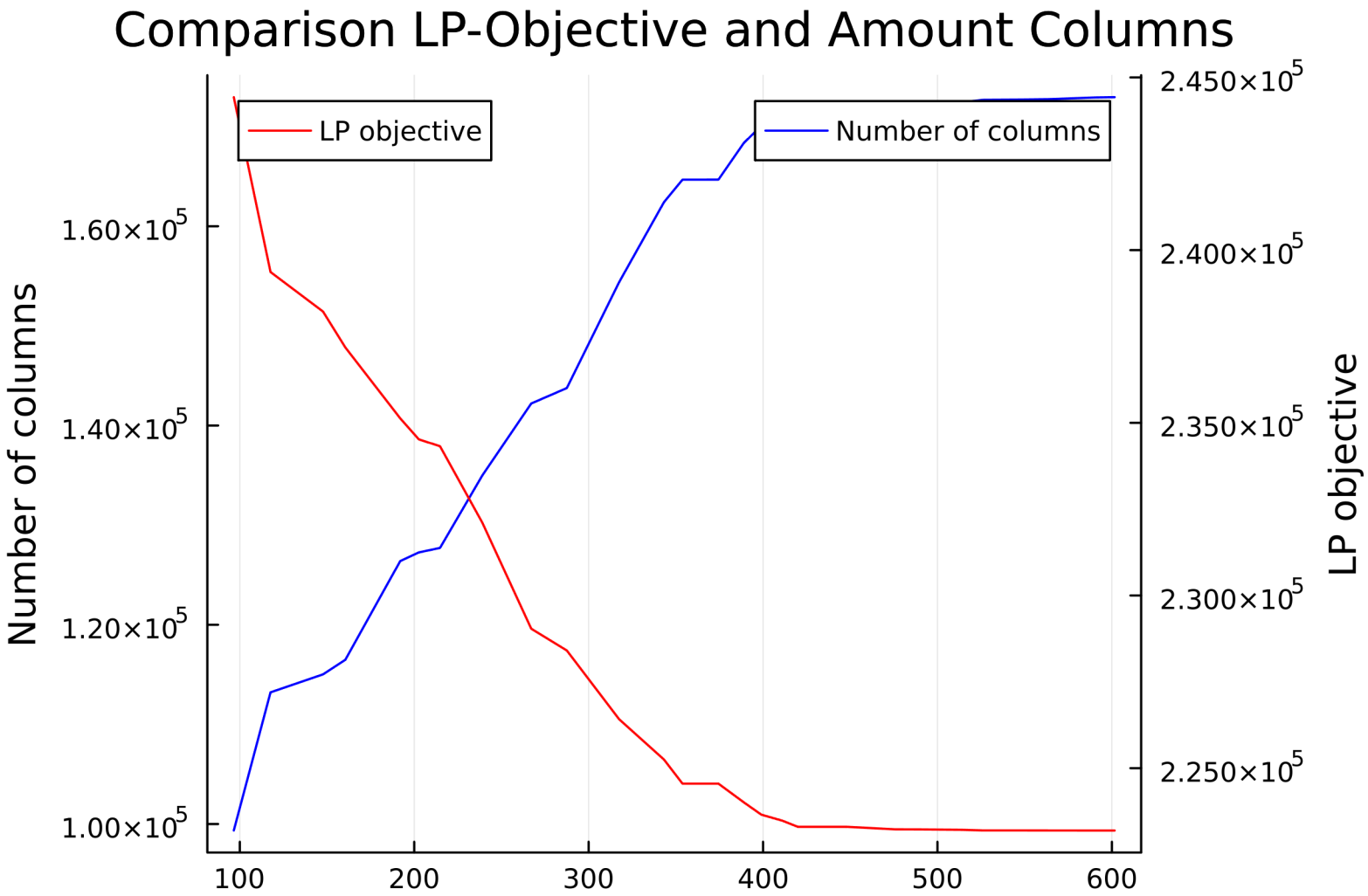
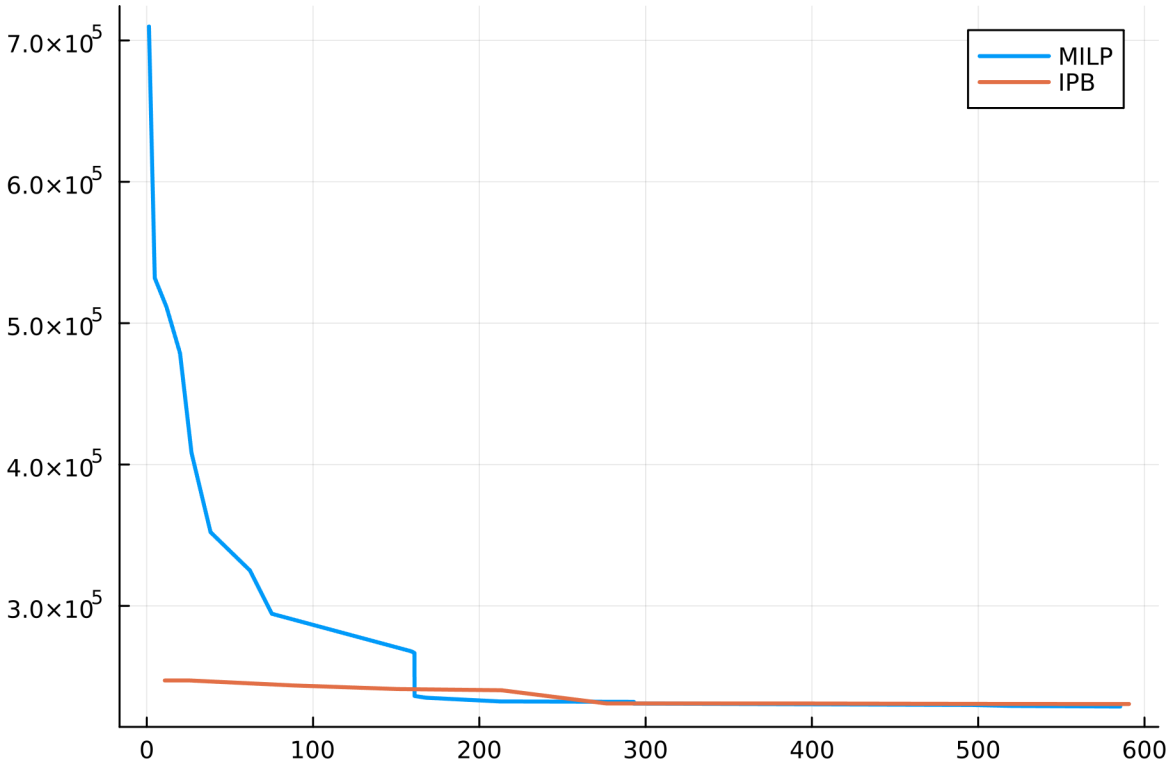

Start
Find initial columns
Solve LP
Solve Knapsack pricing problem
Add tour to model
Yes
New tours?
No
Here I currently have to relax the integer constraint to obtain duals
Pricing columns here is very fast (since columns are all pre-computed)
Set initial columns to start solution
Solve RMP
Price columns
Only add those which are not yet part of the RMP and have negative reduced cost
Idea: set start solution here to most basic feasible solution? → (1,2, [1]), (2,3, [2]),...
Yes
No
New columns to add to RMP?
No
Done
Yes
New best solution?
Solve RMP until exit criteria

```
IPB("Data/inst_200_50_3.txt", 20)
```

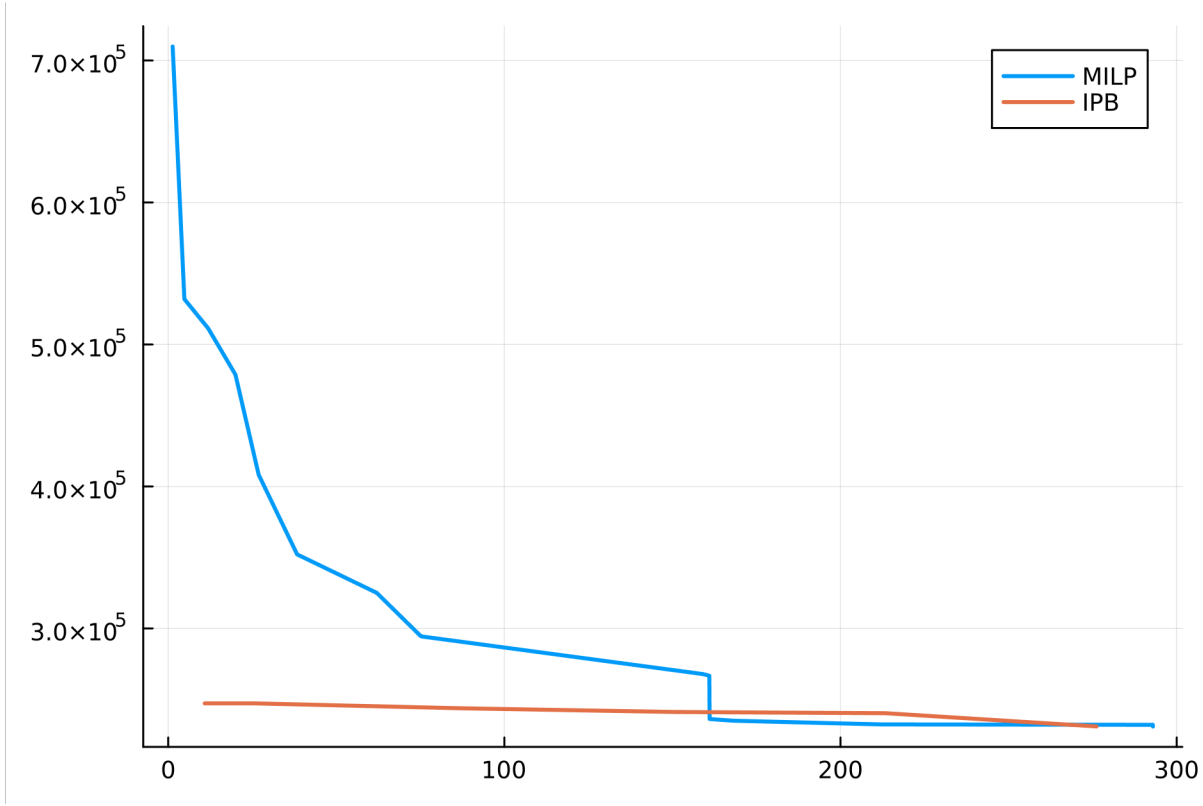


```
IPB("Data/inst_200_50_3.txt", 20)
```



No callback function
Only time limit 60s for IPB

```
IPB("Data/inst_200_50_3.txt", 20)
```



No callback function
Only time limit 60s for IPB