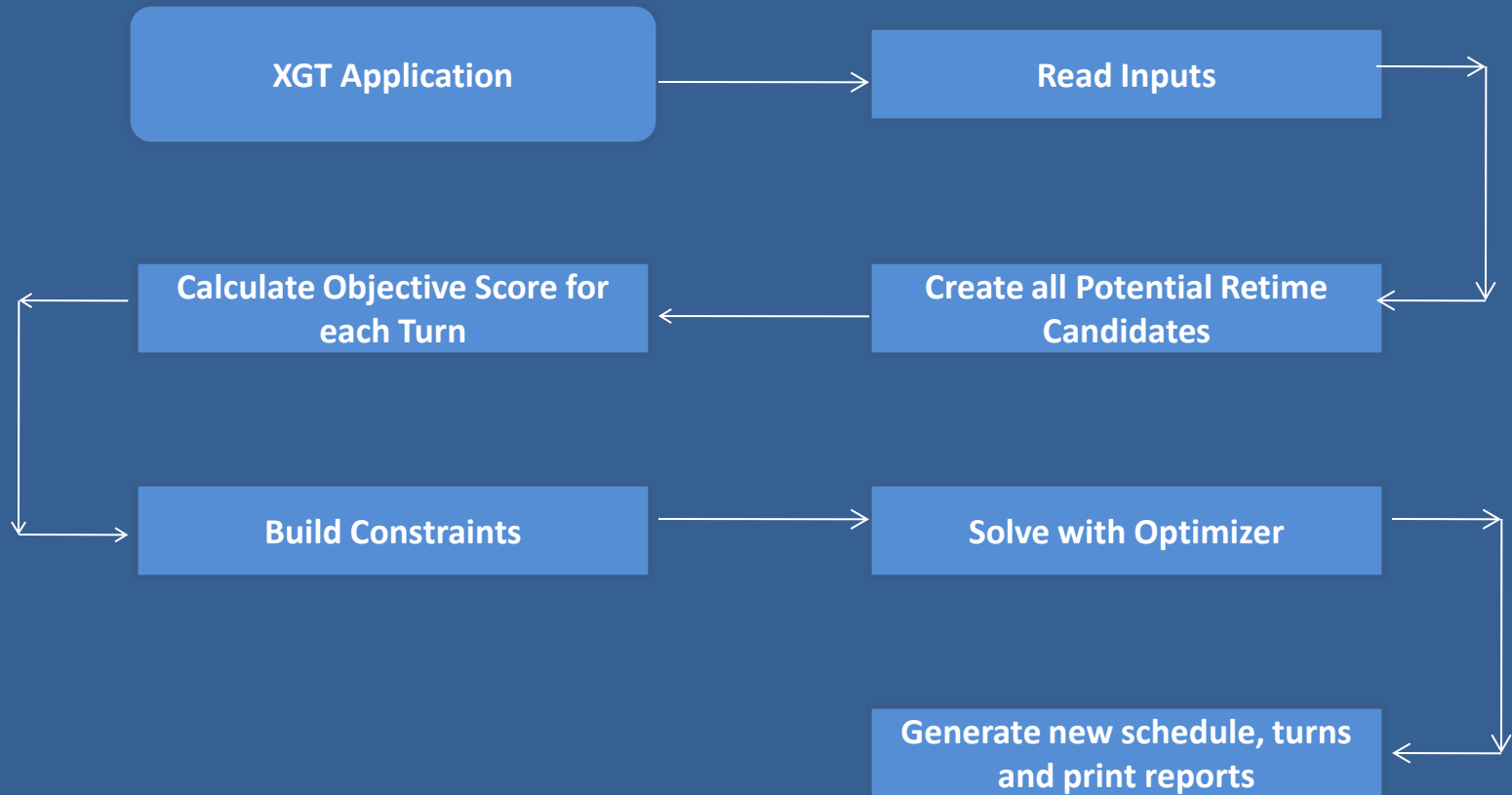


Removing Excess Ground Time (XGT) in a Schedule

Objective of XGT Model

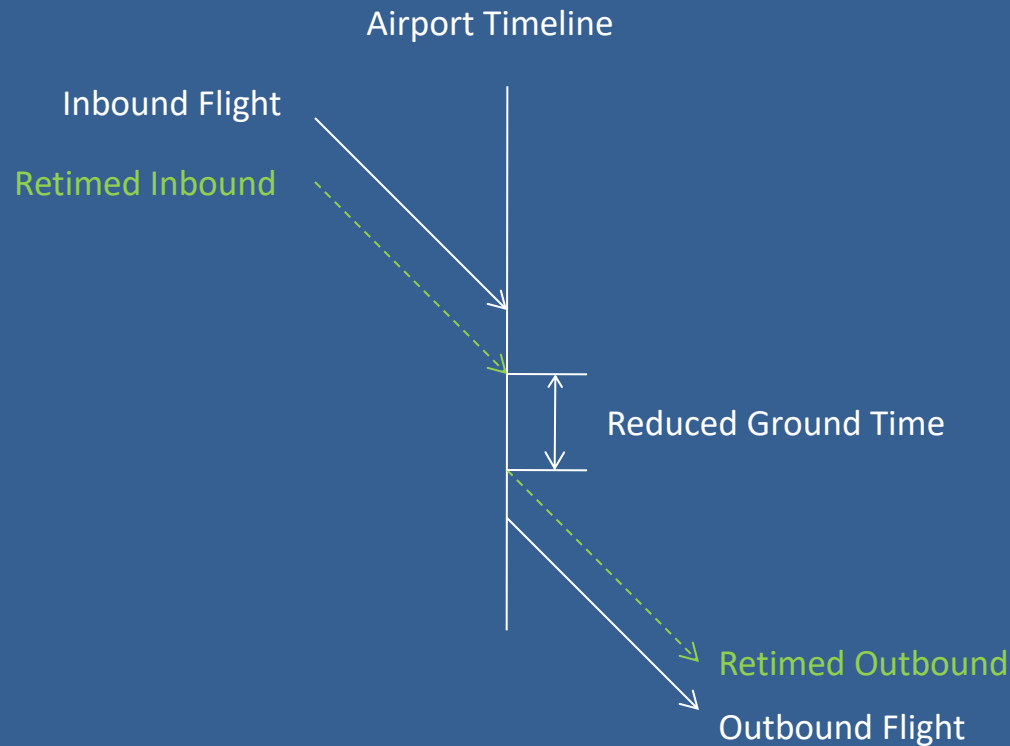
- Remove ground time across the entire schedule to minimize time aircraft spend at the gate and increase utilization rates without violating operation requirements

XGT Process Flow



Inside XGT

- Ground time is reduced by retiming the connecting flights



Benefits of XGT

- Increases productivity of schedulers
 - As block times and/or schedules change, the turns can be retimed very quickly to keep the airplane counts in check.
 - Several days of manual labor can be saved in a matter of minutes
- Easy to use and runs quickly.
- Helps to quickly reduce aircraft count

XGT Inputs

- Schedule
- Block times
- Retiming
 - Specifies how much freedom model has to move flights around
- Gate counts
 - Specifies the number of gates for each station
- Hub isolation if required
- Turns
 - Maintains certain connections driven by operational requirements.
 - Enforces crew turns
- Required Maintenance Routing

XGT Outputs

- Fully routed schedule with flights retimed
- Report that shows changes to the schedule, that is, flights that were retimed
- All turns generated and placed in turn file ready for upload
- Routing Report