

Variable Name	Description
$Q_k$	Capacity of vehicle $k$ .
$T$	Maximum Route Duration.
$N_c$	Set of customer nodes.
$N_f$	Set of frequent customer nodes, where $N_f \subseteq N_c$ .
$M$	Set of vehicle types.
$K$	Set of vehicles.
$P$	Set of periods in the planning horizon.
$z_{mip}$	Binary variable indicating if vehicle $m$ visits customer $i$ in period $p$ .
$w_{ip}$	Binary parameter indicating if customer $i$ requires service in period $p$ (demand of customer $i$ in period $p$ ).
$s_{ip}$	Service time required for customer $i$ in period $p$ .
$u_{kij}$	Binary parameter indicating edge compatibility for vehicle $k$ between nodes $i$ and $j$ .