

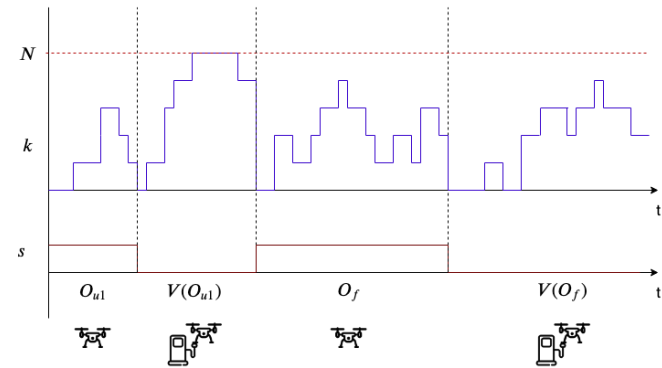
Working Vacation Scheduling of $M^X/M/1/N$ System using Neural Network

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- In catastrophic situation, drones or robots can be deployed to replace original system
- This system can be modeled as a queueing system with vacation
- Since the system is too complex, we use neural network for learning efficient vacation scheduling
- The scheduling model improves number of finished services in most of the case



Example sequence of operation-vacation