$$\begin{split} \rho(i) &= \begin{cases} 1, & \text{if request No. } i \text{ is accepted.} \\ 0, & \text{if request No. } i \text{ is denied.} \end{cases}, \forall i \in \{1, 2, \dots, |M|\} \,. \end{cases} \\ Rev(M_i) &= \rho(i) \times Dur_i^V \times \left[\sum_{n_i^V \in N_i^V} dem^V(n_i^V) \times cpu^V(n_i^V) \right] \\ &+ \sum_{l_i^V \in L_i^V} dem^V(l_i^V) \times bw^V(l_i^V) \right] \,. \end{cases} \\ Cost(M_i) &= \rho(i) \times Dur_i^V \times \left[\sum_{n_i^V \in N_i^V} lev^S(M_{i,N}(n_i^V)) \times cpu^V(n_i^V) \right] \\ &+ \sum_{l_i^V \in L_i^V} lev^S(M_{i,L}(l_i^V)) \times len(M_{i,L}(l_i^V)) \times bw^V(l_i^V) \right] \,. \end{cases} \\ max &\lim_{n \to \infty} \frac{\sum_{i=1}^{|M|} n(i)}{n} \,, where \\ \rho(i) &= \begin{cases} 1, & \text{if } VNR_i \text{ accepted.} \\ 0, & \text{if } VNR_i \text{ denied.} \end{cases} , \qquad (4) \\ max &\lim_{n \to \infty} \frac{\sum_{i=1}^{|M|} Rev(M_i)}{T} \,, \qquad (5) \\ max &\lim_{T \to \infty} \frac{\sum_{i=1}^{|M|} Rev(M_i)}{T} \,, \qquad (6) \\ &\sum_{r=1}^{|N^S|} x_{i,qr} = 1 \,, \qquad \forall n_{i,q} \in N_i^V \,, \qquad (7) \\ &\sum_{i=1}^{|P^S|} y_{i,qr} = 1 \,, \qquad \forall l_{i,q} \in L_i^V \,, \qquad (8) \\ &\sum_{i=1}^{|N|} x_{i,qr} cpu_i^V(n_{i,q}) \leq cpu^S(n_r) \,, \qquad \forall n_{i,q} \in N_i^V \,, n_r \in N^S \,, \qquad (9) \\ &\sum_{i=1}^{|N|} y_{i,qr} bw_i^V(l_{i,q}) \leq \lim_{l_i \in \mathcal{P}_r} bw^S(l_j) \,, \qquad \forall l_{i,q} \in L_i^V \,, n_r \in P^S \,, \qquad (10) \\ & x_{qr} dem^S(n_r) \leq lev^V(n_q) \,, \qquad \forall n_q \in N_i^V \,, n_r \in N^S \,, \qquad (11) \\ &x_{qr} dem^V(n_q) \leq lev^S(n_r) \,, \qquad \forall n_q \in N_i^V \,, n_r \in N^S \,, \qquad (12) \\ max\{dem^S(n_r), \max_{x_{qr} = 1} lev^V(n_q)\} \\ &\leq \min\{lev^S(n_r), \min_{x_{qr} = 1} lev^V(n_q)\} \\ &\leq \min\{lev^S(n_r), lev^S(n_r), lev^S(n_r), lev^S(n_r), lev^S(n_r), lev^S(n_r), lev^S(n_r), lev^S(n_r), lev^S(n_r)$$