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Linear instances format
!-----;
!Periods number;
T ~
!Number of prices (number of prices for each channel/period);
|\Omega_{mt}| = 15 \sim
- \Omega_{mt} is the discrete set of prices in channel m and period t.
!Channels; (o: online website, b: brick and mortar, m: mobile application, c: catalog, sm:
social media)
set of channels M~
!-----;
!Used capacity; (vector of T values)
1,..., 1 ~
- Normalized to one since capacity constraints are given by X_{t} \leq b_{t}.
!Capacity per period;
b_{1},...,b_{T}^{\sim}
!Production costs;
c_{1},...,c_{T} \sim
!Holding costs;
h_{1},...,h_{T} \sim
!Setup costs;
a_{_{1}},...,a_{_{T}} \sim
!Big M;
S ~ (Available production capacity for all the horizon)
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!-----;

!Market length per period;

$$\tau_1, ..., \tau_T \sim$$

!Minimum presence per channel;

$$\eta^{ch_1}, \dots, \eta^{ch_{[M]}} \sim$$

!Values of  $r_{mti}(f_{mti}(P_{mti}))$  ; (|M|.T .| $\Omega_{mt}$ | matrix)

Example with M = {o,b}, T = 3 and  $|\Omega_{mt}|$  = 5:

$$m = 0$$

$$t = 1: r_{o11}, r_{o12}, r_{o13}, r_{o14}, r_{o15}$$

$$t = 2: r_{o21}, \ r_{o22}, \ r_{o23}, \ r_{o24}, \ r_{o25}$$
 
$$t = 3: r_{o31}, \ r_{o32}, \ r_{o33}, \ r_{o34}, \ r_{o35}$$
 
$$m = b$$
 
$$t = 1: r_{b11}, \ r_{b12}, \ r_{b13}, \ r_{b14}, \ r_{b15}$$
 
$$t = 2: r_{b21}, \ r_{b22}, \ r_{b23}, \ r_{b24}, \ r_{b25}$$
 
$$t = 3: r_{b31}, \ r_{b32}, \ r_{b33}, \ r_{b34}, \ r_{b35}$$
 
$$\sim$$
 
$$! \text{Values of } q_{mti} \left( \tau_t f_{mti} \left( P_{mti} \right) \right) ; \left( | \mathbf{M} | .T . | \Omega_{mt} | \text{ matrix} \right)$$
 
$$\text{Example with } \mathbf{M} = \{ \mathbf{o}, \mathbf{b} \}, \ T = 3 \text{ and } | \Omega_{mt} | = 5:$$
 
$$\mathbf{m} = \mathbf{o}$$
 
$$t = 1: q_{o11}, \ q_{o12}, \ q_{o13}, \ q_{o14}, \ q_{o15}$$
 
$$t = 2: q_{o21}, \ q_{o22}, \ q_{o23}, \ q_{o24}, \ q_{o25}$$
 
$$t = 3: q_{o31}, \ q_{o32}, \ q_{o33}, \ q_{o34}, \ q_{o35}$$
 
$$\mathbf{m} = \mathbf{b}$$
 
$$t = 1: q_{b11}, \ q_{b12}, \ q_{b13}, \ q_{b14}, \ q_{b15}$$
 
$$t = 2: q_{b21}, \ q_{b22}, \ q_{b23}, \ q_{b24}, \ q_{b25}$$
 
$$t = 3: q_{b31}, \ q_{b32}, \ q_{b33}, \ q_{b34}, \ q_{b35}$$

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