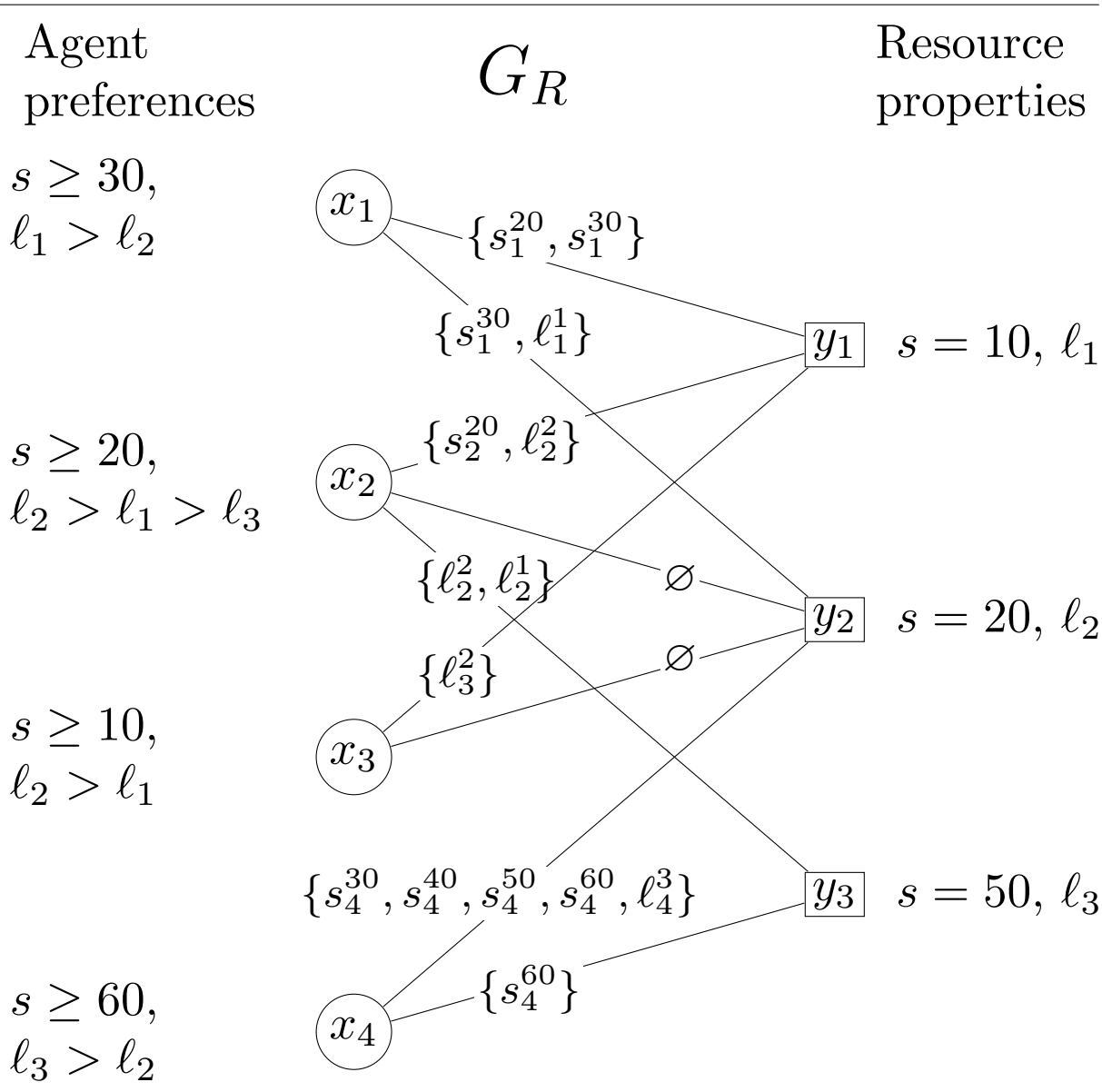
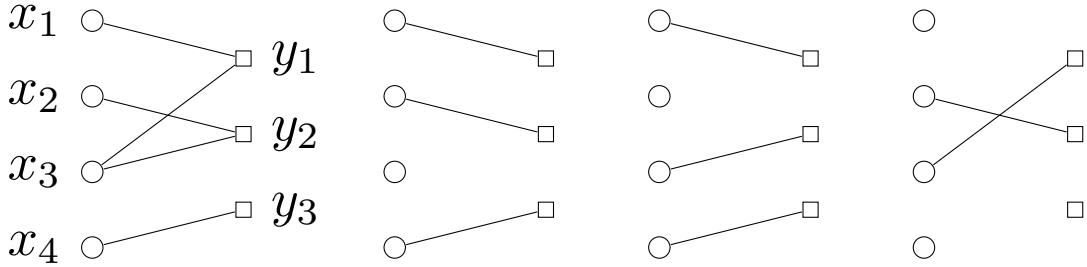
Matching rounds $k = 3$.
For all i, $\rho_i = 2$ and $\beta_i \leq 2$.
$K_1 = K_4 = \{1, 2\}$, $K_2 = \{1, 2, 3\}$, and $K_3 = \{2, 3\}$.
Attributes: class seating capacity s and location ℓ_j.
Cost of removing each label is 1.



Removing $\{s_1^{20}, s_1^{30}\}$ for x_1, $\{\ell_3^2\}$ for x_3, and $\{s_4^{60}\}$ for x_4 results in the following compatibility graph and solution.



G Solution with three matchings