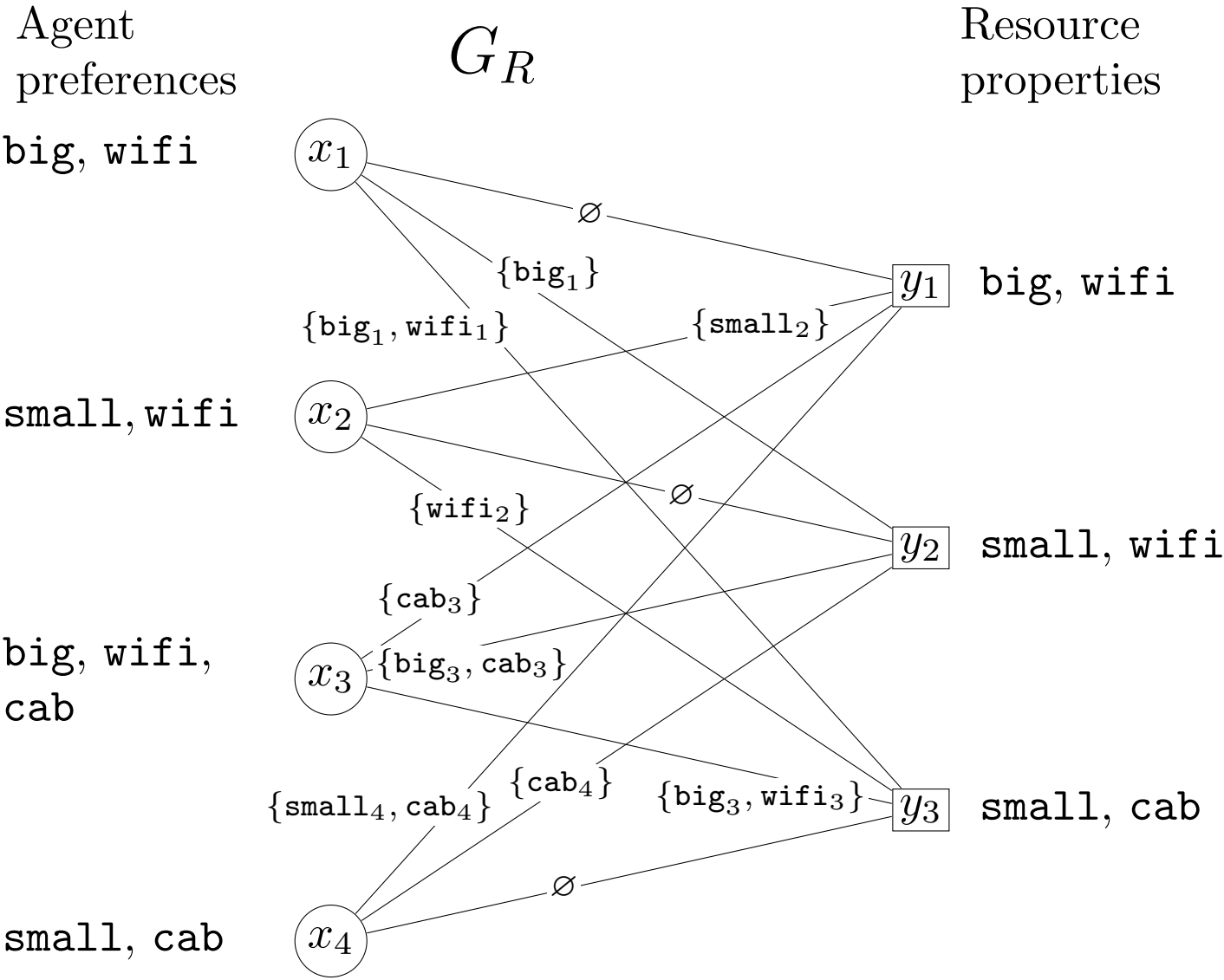


Matching rounds $k = 5$; $\rho_i = 3$ and $\beta_i = 1, 1 \leq i \leq 4$.

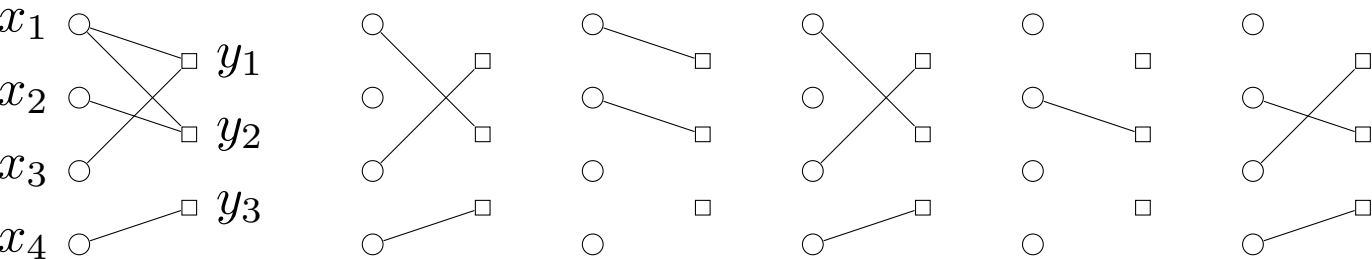
$K_1 = K_2 = \{1, \dots, 5\}, K_3 = K_4 = \{1, 3, 5\}$.

Attributes: room size (**big** or **small**), WiFi connectivity (**wifi**), and cabinet requirement (**cab**).

Cost of removing each label is 1.



Relaxing **big**₁ for x_1 and **cab**₃ for x_3 results in the following compatibility graph and solution.



G

5-round matching