

$$\begin{aligned} A_1 &= \{a_{1,1}, a_{1,2}, a_{1,3}, \dots\}, \\ A_2 &= \{a_{2,1}, a_{2,2}, a_{2,3}, \dots\}, \\ A_3 &= \{a_{3,1}, a_{3,2}, a_{3,3}, \dots\}, \end{aligned}$$
