Moguće particije skupa A su:

$$\mathcal{P}_1 = \{\{a\}, \{b\}, \{c\}, \{d\}\}$$
$$\mathcal{P}_2 = \{\{a, b\}, \{c\}, \{d\}\}$$
$$\mathcal{P}_3 = \{\{a, c\}, \{b\}, \{d\}\}$$
$$\mathcal{P}_4 = \{\{a, d\}, \{b\}, \{c\}\}$$
$$\mathcal{P}_5 = \{\{b, c\}, \{a\}, \{d\}\}$$
$$\mathcal{P}_6 = \{\{b, d\}, \{a\}, \{c\}\}$$
$$\mathcal{P}_7 = \{\{c, d\}, \{a\}, \{b\}\}$$
$$\mathcal{P}_8 = \{\{a, b\}, \{c, d\}\}$$
$$\mathcal{P}_9 = \{\{a, c\}, \{b, d\}\}$$
$$\mathcal{P}_{10} = \{\{a, d\}, \{b, c\}\}$$
$$\mathcal{P}_{11} = \{\{a, b, c\}, \{d\}\}$$
$$\mathcal{P}_{12} = \{\{a, b, d\}, \{c\}\}$$
$$\mathcal{P}_{13} = \{\{a, c, d\}, \{b\}\}$$
$$\mathcal{P}_{14} = \{\{b, c, d\}, \{a\}\}$$
$$\mathcal{P}_{15} = \{\{a, b, c, d\}\}$$

Ovih 15 particija generiraju sljedećih 15 relacija ekvivalencije, i to su ujedno jedine moguće relacije ekvivalencije koje se mogu napraviti u ovom skupu:

$$\mathcal{R}_1 = \{(a, a), (b, b), (c, c), (d, d)\}$$
$$\mathcal{R}_2 = \{(a, a), (a, b), (b, a), (b, b), (c, c), (d, d)\}$$
$$\mathcal{R}_3 = \{(a, a), (a, c), (b, b), (c, a), (c, c), (d, d)\}$$
$$\mathcal{R}_4 = \{(a, a), (a, d), (b, b), (c, c), (d, a), (d, d)\}$$
$$\mathcal{R}_5 = \{(a, a), (b, b), (b, c), (c, b), (c, c), (d, d)\}$$
$$\mathcal{R}_6 = \{(a, a), (b, b), (b, d), (c, c), (d, b), (d, d)\}$$
$$\mathcal{R}_7 = \{(a, a), (b, b), (c, c), (c, d), (d, c), (d, d)\}$$
$$\mathcal{R}_8 = \{(a, a), (a, b), (b, a), (b, b), (c, c), (c, d), (d, c), (d, d)\}$$
$$\mathcal{R}_9 = \{(a, a), (a, c), (b, b), (b, d), (c, a), (c, c), (d, b), (d, d)\}$$
$$\mathcal{R}_{10} = \{(a, a), (a, d), (b, b), (b, c), (c, b), (c, c), (d, a), (d, d)\}$$
$$\mathcal{R}_{11} = \{(a, a), (a, b), (a, c), (b, a), (b, b), (b, c), (c, a), (c, b), (c, c), (d, d)\}$$
$$\mathcal{R}_{12} = \{(a, a), (a, b), (a, d), (b, a), (b, b), (b, d), (c, c), (d, a), (d, b), (d, d)\}$$
$$\mathcal{R}_{13} = \{(a, a), (a, c), (a, d), (b, b), (c, a), (c, c), (c, d), (d, a), (d, c), (d, d)\}$$
$$\mathcal{R}_{14} = \{(a, a), (b, b), (b, c), (b, d), (c, b), (c, c), (c, d), (d, b), (d, c), (d, d)\}$$
$$\mathcal{R}_{15} = \{(a, a), (a, b), (a, c), (a, d), (b, a), (b, b), (b, c), (b, d), (c, a), (c, b), (c, c), (c, d), (d, a), (d, b), (d, c), (d, d)\}$$