

Homework 1

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1 ให้นักศึกษาหาค่า $P(P(P(P(\emptyset))))$

$$P(\emptyset) = \{\emptyset\} \quad (1)$$

$$P(P(\emptyset)) = \{\emptyset, \{\emptyset\}\} \quad (2)$$

$$P(P(P(\emptyset))) = \{\emptyset, \{\emptyset\}, \{\{\emptyset\}\}, \{\emptyset, \{\emptyset\}\}\} \quad (3)$$

$$\begin{aligned} P(P(P(P(\emptyset)))) = \{ \\ & 1. \emptyset, \\ & 2. \{\emptyset\}, \\ & 3. \{\{\emptyset\}\}, \\ & 4. \{\{\{\emptyset\}\}\}, \\ & 5. \{\{\emptyset, \{\emptyset\}\}\}, \\ & 6. \{\emptyset, \{\emptyset\}\}, \\ & 7. \{\emptyset, \{\{\emptyset\}\}\}, \\ & 8. \{\emptyset, \{\emptyset, \{\emptyset\}\}\}, \\ & 9. \{\{\emptyset\}, \{\{\emptyset\}\}\}, \\ & 10. \{\{\{\emptyset\}\}, \{\emptyset, \{\emptyset\}\}\}, \\ & 11. \{\{\{\{\emptyset\}\}\}, \{\emptyset, \{\emptyset\}\}\}, \\ & 12. \{\emptyset, \{\emptyset\}, \{\{\emptyset\}\}\}, \\ & 13. \{\emptyset, \{\emptyset\}, \{\emptyset, \{\emptyset\}\}\}, \\ & 14. \{\emptyset, \{\{\emptyset\}\}, \{\emptyset, \{\emptyset\}\}\}, \\ & 15. \{\{\{\emptyset\}\}, \{\{\{\emptyset\}\}\}, \{\emptyset, \{\emptyset\}\}\}, \\ & 16. \{\emptyset, \{\emptyset\}, \{\{\emptyset\}\}, \{\emptyset, \{\emptyset\}\}\} \\ & \} \end{aligned} \quad (4)$$