Exercise 1.4.10

Introduction to Discrete Mathematics
MATH 2001

SEBASTIAN CASALAINA

ABSTRACT. This is Exercise 1.4.10 from Hammack [Ham13, §1.4]:

Exercise 1.4.10. Write the set $\{X \in \mathscr{P}(\{1,2,3\}) : |X| \leq 1\}$ by listing its elements between braces.

Solution. $\{X \in \mathscr{P}(\{1,2,3\}) : |X| \leq 1\} = \{\emptyset, \{1\}, \{2\}, \{3\}\}$. $\qquad\square$

References

[Ham13] Richard Hammack, *Book of proof*, Creative Commons, 2013.

UNIVERSITY OF COLORADO, DEPARTMENT OF MATHEMATICS, CAMPUS BOX 395, BOULDER, CO 80309

Email address: casa@math.colorado.edu