

ASSIGNMENT OF WEEK TWELVE

Exercise 1. Show that $\partial A = \overline{A} \cap \overline{A^c}$.

Exercise 2. Find, $\overset{\circ}{E}, \overline{E}, \partial E$ and the isolated points of the set $E := [0, 1) \cap \mathbf{Q}$. What is $\partial(\partial E)$? and $\partial(\partial(\partial E))$?