(Q4)

$$\{\{a\}, \{a, b\}\}$$
$$\{\{a\}, \{\phi\}\}$$
$$\{\{a, b\}, \{\phi\}\}$$
$$\{\{a\}\}$$
$$\{\{a, b\}\}$$
$$\{\{\phi\}\}$$
$$\{\{a\}, \{a, b\}, \{\phi\}\}$$