

5) a) Unirea a două seturi

$\text{union\_two\_sets}(a_1, a_2 \dots a_n, b_1, b_2 \dots b_m)$

$$\begin{cases} a_1, a_2 \dots a_n & \text{if } b = \emptyset \\ \text{union\_two\_sets}(b_1, a_1, a_2 \dots a_n, b_2, b_3 \dots b_m) & \text{otherwise} \end{cases}$$

b) Toate perechile de elemente dintr-o listă

$$\begin{cases} \text{set\_of\_all\_pairs}(A, B, BC, RES) & \text{if } B \neq \emptyset \\ \text{set\_of\_all\_pairs}(A, \underbrace{b_2, b_3 \dots b_m}_B, BC, RES \cup \{a_1, b_1\} \cup \{b_1, a_1\}) & \end{cases}$$