$$A_{s_0} = \{a_1, a_2, a_3\}$$
  $A_{s_0} = \{a_1, a_2, a_3\}$   $A_{s_0} = \{a_1, a_2\}$   $A_{s_0} = \{a_3\}$   $A_{s_0} = \{a_1\}$   $A_{s_0} = \{a_1\}$