$$\alpha\text{-}\mathit{VAttr} : \mathcal{P}(G) \to \mathcal{P}(\mathfrak{C} \times V) \to \mathcal{P}(\mathfrak{C} \times V)$$

$$\begin{aligned} \alpha\text{-}\mathit{VAttr}(G, U) = \mu A. A \cup U & \\ & \cup \{(c, v) \in \mathfrak{C} \times V_\alpha \mid \exists v' \in V : (c, v') \in A \wedge (v, v') \in E \wedge c \in \theta(v, v')\} \\ & \cup \{(c, v) \in \mathfrak{C} \times V_{\overline{\alpha}} \mid \forall v' \in V : (v, v') \in E \wedge c \in \theta(v, v') \implies (c, v') \in A\} \end{aligned}$$

$\setminus : \mathcal{P}(G) \to \mathcal{P}(\mathfrak{C} \times V) \to \mathcal{P}(G)$
$(V, V_0, V_1, E, \rho, \mathfrak{C}, \theta) \setminus CV = (V', V_0', V_1', E', \rho, \mathfrak{C}, \theta')$ such that:
$\theta'(u, v) = \theta(u, v) \setminus \bigcup\{c \mid (c, w) \in CV \wedge (u = w \vee v = w)\}$
$E' = \{e \in E \mid \theta'(e) \neq \emptyset\}$
$V' = \{u \in V \mid \exists (v, w) \in E' : v = u \vee w = u\}$
$V_0' = V_0 \cap V'$
$V_1' = V_1 \cap V'$

$m \leftarrow \min\{\rho(v) \mid v \in V\}$
$h \leftarrow \max\{\rho(v) \mid v \in V\}$
if $h = m$ or $V = \emptyset$ **then**
    if h is even or $V = \emptyset$ **then**
        return $(V, \emptyset)$
    else
        return $(\emptyset, V)$
    end if
end if
$\alpha \leftarrow 0$ if h is even and 1 otherwise
$U \leftarrow \mathfrak{C} \times \{v \in V \mid \rho(v) = h\}$
$A \leftarrow \alpha\text{-}\mathit{VAttr}(G, U)$
$(W_0', W_1') \leftarrow \mathit{Recursive}(G \setminus A) \setminus (A, A)$
if $W_{\overline{\alpha}}' = \emptyset$ **then**
    $W_\alpha \leftarrow A \cup W_\alpha'$
    $W_{\overline{\alpha}} \leftarrow \emptyset$
else
    $B \leftarrow \overline{\alpha}\text{-}\mathit{VAttr}(G, W_{\overline{\alpha}}')$
    $(W_0, W_1) \leftarrow \mathit{Recursive}(G \setminus B) \setminus (B, B)$
    $W_{\overline{\alpha}} \leftarrow W_{\overline{\alpha}} \cup B$
end if
return (W_0, W_1)