1 SMAlgo

if $i \geq maxval$ **then**
  $i \leftarrow 0$
else
  if $i + k \leq maxval$ **then**
    $i \leftarrow i + k$
  end if
end if

$n = \max_{x \in V} \ \Omega(x)$
if $n = 0$ **then**
  return $W_E = V, W_A = \emptyset$
else
  $N = \{x \in V \mid \Omega(x) = n\}$
  if n even **then**
    $P = E, \overline{P} = A$
  else
    $P = A, \overline{P} = E$
  end if
  $A = Attr_P^G(N)$
  $W'_E, W'_A = solve(G_{V \setminus A})$
  if $W'_P = V \setminus A$ **then**
    return $W_P = V, W_{\overline{P}} = \emptyset$
  else
    $B = Attr_{\overline{P}}^G(W'_{\overline{P}})$
    $W''_A, W''_E = solve(G_{V \setminus B})$
    return $W_P = W''_P, W_{\overline{P}} = W''_{\overline{P}} \cup B$
  end if
end if