The pseudocode of procedure Enum-Alg

Enum-Alg$(G'_H, P''_H)$
{ for each haplotype configuration $H''$ of $P''_H$ do
  { construct a graph $G'_{H'\cup H''}$ by adding two vertices for each individual of $P''_H$, the corresponding similarity edges and constraint edges in $G'_H$;
    apply Heu-Label to $G'_{H'\cup H''}$ to obtain a labeling $l$ for $G'_{H'\cup H''}$;
  }
return the $G'_{H'\cup H''}$ with the maximum Con($G'_{H'\cup H''}$);