Candidate Elimination Algorithm.

G: maximally general hypotheses in H
S: " " Specific " . "

For each training example $d = \langle x, c(x) \rangle$, $d \in D$

i. If d is positive example.
   - Remove from G any hypothesis that is inconsistent with d

For each hypothesis s in S that is not consistent with d

   - remove s from S
   - Add to S all minimal generalizations h of s such that
     - h consistent with d.
     - some member of G is more general than h.
   - Remove from S any hypothesis that is more general than another hypothesis in S.

ii. If d is a negative example

Remove from S any hypothesis that is inconsistent with d

For each hypothesis g in G that is not consistent with d

   - remove g from G
   - Add to G all minimal specilizations h of g such that
     - h consistent with d
     - some member of s is more specific than h
   - Remove from G any hypothesis that is less general than another hypothesis in G