```
Algorithm 1 Copeland score calculation.
Require: Survey data where each entry is
                                                         tuple
                                                                  (candidate_1,
                                                                                  candidate_2,
                                                       \mathbf{a}
   winning_candidate). Each candidate is one of the segmentation masks involved into
   survey. winning_candidate is one of the candidate<sub>1</sub> or candidate<sub>2</sub> images.
    % An algorithm to calculate Copeland score based on candidate pairwise comparisons
 1: function CALCULATECOPELANDSCORE(survey_data)
 2:
       candidates \leftarrow eight segmentation masks for the same fundus image
       candidate\_pairs \leftarrow qetCombinations(candidates)
 3:
 4:
       ranking\_table \leftarrow empty\_table
 5:
       for candidate in candidates do
 6:
           copeland\_score \leftarrow 0
 7:
           ranking\_table.insert(candidate, copeland\_score)
 8:
       end for
9:
10:
       for (c_1, c_2) in candidate_pairs do
11:
           c_1-wins \leftarrow countWins(candidate = c_1)
12:
           c_2-wins \leftarrow countWins(candidate = c_2)
13:
14:
           if c_1-wins > c_2-wins then
               ranking\_table.where(candidate = c_1).copeland\_score += 1
15:
           else if c_1-wins < c_2-wins then
16:
               ranking\_table.where(candidate = c_2).copeland\_score += 1
17.
           else
18.
               ranking\_table.where(candidate = c_1).copeland\_score += 0.5
19:
20:
               ranking\_table.where(candidate = c_2).copeland\_score += 0.5
           end if
21:
       end for
22:
23: end function
    % Counts how many times has candidate won in pairwise comparisons according to
    survey data stored in survey_entries. %
24: function COUNTWINS(survey_entries, candidate)
25:
       counter \leftarrow 0
       for entry in survey_entries do
26:
           c_1 \leftarrow entry.candidate_1
27:
           c_2 \leftarrow entry.candidate_2
28:
           if candidate in (c_1, c_2) then
29:
               if candidate is entry.winning_candidate then
30:
                   counter += 1
31:
               end if
32:
           end if
33:
       end for
34:
35:
       return counter
36: end function
    % Get all combinations of unique candidate pairs.
                                                             That is 24 for 8 segmentation
    images. %
37: function GETCOMBINATIONS(candidates)
       n \leftarrow 8
38:
       combinations \leftarrow empty\_list
39:
40:
       for i in (0 to n) do
           c_1 \leftarrow candidates.at\_position(i)
41:
           for j in (0 to n) do
42:
               c_2 \leftarrow candidates.at\_position(j)
43:
               combinations.insert((c_1, c_2))
44:
```

45:

46:

end for

end for 47: end function