Algorithm 2: Find index + 1 element in L

```
1  boolean RecurFinding(index + 1, cur)
2      for i = cur + 1 to n do
3          if (PG[cur], PG[i]) > ω &&
             (PG[i], PG[1]) > (k − index)ω then
4              L[index + 1] ← G[i]
5              if index + 1 == n then
6                  return true
7              else if RecurFinding(index +
                2, i) then
8                  return true
9              end if
10         end if
11     end for
12     return false
13 end
```