
Algorithm 3.1.5 find duplicate list entries

```
1: procedure DUPLICATES( $a_1, a_2, \dots, a_n$ : integers in nondecreasing order)
2:    $positives \leftarrow set()$ 
3:   for  $i = 1$  to  $n-1$  do
4:     if  $a_i = a_{i+1}$  then
5:        $positives \leftarrow positives \cup \{a_{i+1}\}$ 
6:     end if
7:   end for
8:   return  $positives$ 
9: end procedure
```
