Exercise 10

Problem 1.   Compute the largest names that can be given by:

(a) the splitter-based renaming;

(b) the snapshot-based renaming.

Are they *adaptive*?

Problem 2.   Design and prove correct an implementation of the splitter object for n asynchronous processes sharing atomic registers.

Problem 3.   Prove that in the snapshot-based renaming, two processes cannot decide on the same name.