

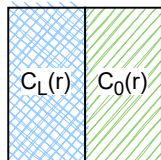
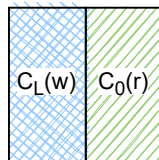
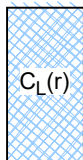
Copies (C)

$C = \{C_L\}$

$C = \{C_L\}$

$C = \{C_L, C_0\}$

$C = \{C_L, C_0\}$



Snapshots (S)
Mapping:

C_L C_0

$\{L\}$

$\{L, S_1, S_0\}$

$\{L, S_1, S_0\}$

$\{L, S_2, S_1, S_0\}$

u read, u/s write

u/s read

u read, u/s write,
old syscall read

u/s read

States

unprotected
unduplicated

0

syscall read

protected
unduplicated

1

u/s write

unprotected
duplicated

2

new
syscall read

u/s write

protected
duplicated

3

syscall end

release
snapshots/copies