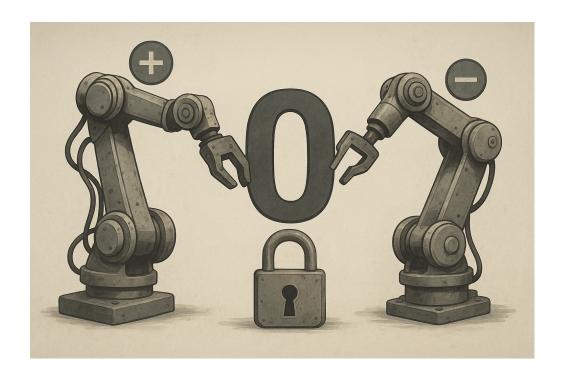
Αναφορά Εργαστηρίου Λειτουργικών Συστημάτων $_{1\eta}$ Εργαστηριακή Άσκηση

Ονοματεπώνυμο: Νικόλας Νεοφύτου ΑΜ: 03122632 Τμήμα Ηλεκτρολόγων Μηχανικών και Μηχανικών Υπολογιστών ΕΜΠ – Εξάμηνο 6ο (2024–2025)

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0.	1 Libraries of simplesync.c	 	 •	1						
0.1	Libraries of simplesync.c									

Header	Purpose	Used in simplesync.c
<errno.h></errno.h>	Declares the global	Inside perror_pthread after every failed
	errno and symbolic	pthread_* call.
	error codes; lets perror	
	print human-readable	
	messages.	
<stdio.h></stdio.h>	Standard I/O (printf,	Diagnostic prints in the worker functions
	fprintf, perror).	and the final result line.
<stdlib.h></stdlib.h>	General utilities such as	exit(1) on fatal error; placeholder for fu-
	exit, malloc, conver-	ture utilities.
	sions.	
<unistd.h></unistd.h>	POSIX miscellaneous	Not required by current code but included
	system-call prototypes	for potential extensions and proper proto-
	(read, write, sleep,	types.
).	
<pre><pthread.h></pthread.h></pre>	POSIX Threads	Thread creation/joining; will also guard
	API (pthread_t,	the critical section in the mutex version.
	pthread_create,	
	pthread_join, mutex	
	primitives).	

Table 1: Headers included in ${\tt simplesync.c.}$