

4/4/ '69

Prof. Saltzer

I've done two observations on the C.T.S.S.  
(number of interactions are correctly counted)  
(think time is implemented)  
(login command is not yet deleted)

Akira

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OUT 5

ANALY J

CERT 1

4/3/69

USERS = 15

\*\*\*\*\* PERFORMANCE ANALYSIS \*\*\*\*\*

Think Time Considered  
NO of IT corrected

USER NO	COMMAND	WAIT TIME	RUN TIME	SWAP TIME
0	login	-2230.3-	7.183	.600
	edl	53	1.916	1.183
	mad	23	2.600	.466
	edl	19	2.283	2.066
	mad	45	2.633	.433
	rename	14	2.816	.233
	print	8	.566	.433
	loadgo	19	4.350	.933
	listf	21	.866	.416
	delete	13	1.450	.250
	edl	9	1.200	1.500
	mad	23	2.216	.466
	edl	19	1.700	1.950
	mad	51	2.616	.733
	rename	14	2.850	.483
	print	8	.500	.250
	loadgo	19	4.583	.633
	listf	45	1.433	.333
	delete	13	1.666	.283
	logout	13		

\*\*\*\*\* SUMMARY \*\*\*\*\*

USER NO	TOTAL RUN TIME	TOTAL SWAP TIME	TOTAL REAL TIME	NO OF INTER-ACTIONS	AVERAGE RUN TIME	AVERAGE SWAP TIME	AVERAGE WAIT TIME
USER 0	45.427	13.644	834	48	.966	.290	9

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OUT6

ANALYJ

CERT 1

4/3/69

USERS = 12

\*\*\*\*\* PERFORMANCE ANALYSIS \*\*\*\*\*

USER NO	COMMAND	WAIT TIME	RUN TIME	SWAP TIME
0	login	-2353.0-	8.216	.833
	edl	53	1.000	1.400
	mad	29	2.066	.450
	edl	19	1.466	1.716
	mad	45	2.500	.433
	rename	8	2.683	.250
	print	8	.516	.416
	loadgo	19	4.716	.800
	listf	27	1.383	.416
	delete	19	1.750	.333
	edl	9	1.666	1.616
	mad	35	2.266	.400
	edl	19	1.833	1.616
	mad	45	2.800	.450
	rename	14	3.133	.466
	print	8	.416	.383
	loadgo	19	4.600	.650
	listf	15	1.466	.183
	delete	19	1.733	.366
	logout	7		

Think Time considered  
# of IT corrected

\*\*\*\*\* SUMMARY \*\*\*\*\*

USER NO	TOTAL RUN TIME	TOTAL SWAP TIME	TOTAL REAL TIME	NO OF INTER-ACTIONS	AVERAGE RUN TIME	AVERAGE SWAP TIME	AVERAGE WAIT TIME
USER 0	46.209	13.177	822	48	.983	.280	8

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\*\*\*\*\* PERFORMANCE ANALYSIS \*\*\*\*\*

OUTG  
 ANALYJ  
 CERT 1  
 4/3/69

USER NO	COMMAND	<sup>real</sup> <del>WAIT</del> TIME	RUN TIME	SWAP TIME
0	login	-2353.0-	8.216	.833
	edl	78	1.000	1.400
	mad	84	2.066	.450
	edl	24	1.466	1.716
	mad	120	2.500	.433
	rename	18	2.683	.250
	print	18	.516	.416
	loadgo	24	4.716	.800
	listf	42	1.383	.416
	delete	24	1.750	.333
	edl	24	1.666	1.616
	mad	90	2.266	.400
	edl	24	1.833	1.616
	mad	120	2.800	.450
	rename	24	3.133	.466
	print	18	.416	.383
	loadgo	24	4.600	.650
	listf	30	1.466	.183
	delete	24	1.733	.366
	logout	12		

USERS = 12

T.T. = 0

# of IT corrected

\*\*\*\*\* SUMMARY \*\*\*\*\*

USER NO	TOTAL RUN TIME	TOTAL SWAP TIME	TOTAL REAL TIME	NO OF INTER-ACTIONS	AVERAGE RUN TIME	AVERAGE SWAP TIME	AVERAGE <del>WAIT</del> <sup>real</sup> TIME
USER 0	46.209	13.177	822	48	.983	.280	17

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