



เอกสารอ้างอิง

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การควบคุม

ภาคผนวก ก
 แสดงการขนถ่ายสินค้าจากเรือสินค้าเข้าเก็บในโรงพักสินค้าและการระบายสินค้าออกจาก
 โรงพักสินค้า ระหว่างเดือน มิถุนายน 2523

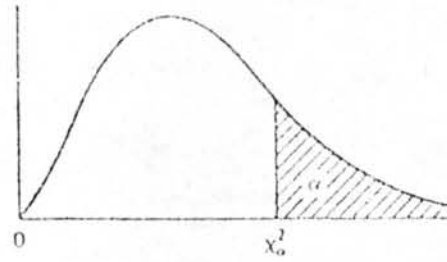
วันที่	ปริมาณสินค้าที่ขนถ่ายจากเรือ เข้าเก็บในโรงพักสินค้า (ตัน)	ปริมาณสินค้าที่ระบายออกจาก โรงพักสินค้า (ตัน)
1	3373	2357
2	2084	190
3	4153	978
4	2869	3940
5	2175	3800
6	3644	3632
7	3160	3650
8	4151	2662
9	3850	144
10	3178	1487
11	3663	2559
12	1732	3113
13	2766	3900
14	3089	2964
15	2912	2571
16	2156	210
17	3088	1653
18	2555	3783
19	2495	3505
20	3163	4663
21	2122	3478
22	2946	2894
23	3916	0
24	3468	2328
25	3125	3003
26	3473	3256
27	3120	3032
28	2620	2919
29	3925	2159
30	2281	80

ภาคผนวก ข
 ตารางวิเคราะห์ปริมาณค่าศุลกากรสำราจในวันสุดท้ายของแต่ละเดือน พ.ศ. 2522

รายการสินค้าศุลกากร	ม.ค.	ก.พ.	มี.ค.	เม.ย.	พ.ค.	มิ.ย.	ก.ค.	ส.ค.	ก.ย.	ต.ค.	พ.ย.	ธ.ค.	รวม	เฉลี่ย
หลังจากเวลา 1 คาเช้าไม่เกิน 1 เดือน	Transit shed Division	25805	19503	19640	24156	26410	23402	26984	22227	19740	22946	20463	269566	22463.8
	Warehouse Division	142	15236	103	83	143	93	114	113	106	113	123	16441	1370.1
	Container Division	15286	3024	16470	12590	13305	11345	12508	10403	12098	11370	12600	144771	12064.2
	Sub - total	41233	37813	36213	36829	39858	34840	39606	28722	34438	34484	33086	430778	3599.2
ระยะเวลา 1 เดือน 1 จนถึง 2 เดือน	Transit shed Division	4927	3908	3904	4643	6432	4204	4943	6973	3944	4563	5163	62995	5449.6
	Warehouse Division	234	2815	290	90	129	291	201	175	479	221	238	5420	451.7
	Container Division	2815	252	3022	2853	4175	3805	3724	3946	4647	4429	4705	41507	3459.9
	Sub - total	7976	6975	7216	7596	10736	8300	8868	12777	11099	9070	9213	109922	9160.2
ระยะเวลา 2 เดือน 1 จนถึง 3 เดือน	Transit shed Division	1610	902	378	1440	1426	1473	1154	1036	3141	1523	1479	17738	1473.2
	Warehouse Division	150	461	359	182	632	195	291	492	295	263	206	3752	312.7
	Container Division	461	166	597	592	1044	1012	1080	921	1175	1144	1005	10026	835.5
	Sub - total	2221	1529	1834	2214	3102	2660	2525	2173	2507	3111	2930	31516	2626.3
ระยะเวลา 3 เดือน 1 จนถึง 4 เดือน	Transit shed Division	663	438	408	504	644	520	674	377	309	2769	403	8134	677.8
	Warehouse Division	87	212	253	125	238	183	138	339	181	282	183	2403	200.2
	Container Division	212	57	226	268	337	300	354	293	217	267	250	3031	252.6
	Sub - total	962	707	887	997	1219	1003	1166	900	933	740	3318	13568	1130.7
ระยะเวลา 4 เดือน ขึ้นไป	Transit shed Division	534	426	419	414	468	410	450	462	502	399	276	5287	440.6
	Warehouse Division	5854	118	5281	5919	5850	6292	6243	6732	7167	7333	7590	70667	5888.9
	Container Division	118	5340	154	140	169	156	142	109	144	154	152	6913	576.1
	Sub - total	5606	5894	5854	6473	6437	6958	6335	6935	7303	7901	8018	83367	6905.9
รวม	59398	52908	52004	53999	61402	53681	59000	515507	56290	56350	57786	54336	663651	55720.9

ที่มาของข้อมูล แผนสถิติและวิชาการสำราจกรมศุลกากร การทวงเรียกแห่งประเทศไทย

ภาคผนวก ก



V. ตารางค่าวิกฤตของการแจกแจง χ^2

v	α							
	0.995	0.99	0.975	0.95	0.05	0.025	0.01	0.005
1	0.00393	0.0157	0.01982	0.02393	3.841	5.024	6.635	7.879
2	0.0100	0.0201	0.0506	0.103	5.991	7.378	9.210	10.597
3	0.0717	0.115	0.216	0.352	7.815	9.348	11.345	12.838
4	0.207	0.297	0.484	0.711	9.488	11.143	13.277	14.860
5	0.412	0.554	0.831	1.145	11.070	12.832	15.086	16.750
6	0.676	0.872	1.237	1.635	12.592	14.449	16.812	18.548
7	0.989	1.239	1.690	2.167	14.067	16.013	18.475	20.278
8	1.344	1.646	2.180	2.733	15.507	17.535	20.090	21.955
9	1.735	2.088	2.700	3.325	16.919	19.023	21.666	23.589
10	2.156	2.558	3.247	3.940	18.307	20.483	23.209	25.188
11	2.603	3.053	3.816	4.575	19.675	21.920	24.725	26.757
12	3.074	3.571	4.404	5.226	21.026	23.337	26.217	28.300
13	3.565	4.107	5.009	5.892	22.362	24.736	27.688	29.819
14	4.075	4.660	5.629	6.571	23.685	26.119	29.141	31.319
15	4.601	5.229	6.262	7.261	24.996	27.488	30.578	32.801
16	5.142	5.812	6.908	7.962	26.296	28.845	32.000	34.267
17	5.697	6.408	7.564	8.672	27.587	30.191	33.409	35.718
18	6.265	7.015	8.231	9.390	28.869	31.526	34.805	37.156
19	6.844	7.633	8.907	10.117	30.144	32.852	36.191	38.582
20	7.434	8.260	9.591	10.851	31.410	34.170	37.566	39.997
21	8.034	8.897	10.283	11.591	32.671	35.479	38.932	41.401
22	8.643	9.542	10.932	12.338	33.924	36.781	40.289	42.796
23	9.260	10.196	11.689	13.091	35.172	38.076	41.638	44.181
24	9.886	10.856	12.401	13.848	36.415	39.364	42.980	45.558
25	10.520	11.524	13.120	14.611	37.652	40.646	44.314	46.928
26	11.160	12.198	13.844	15.379	38.885	41.923	45.642	48.290
27	11.808	12.879	14.573	16.151	40.113	43.194	46.963	49.645
28	12.461	13.565	15.308	16.928	41.337	44.461	48.278	50.993
29	13.121	14.256	16.047	17.708	42.557	45.722	49.588	52.336
30	13.787	14.953	16.791	18.493	43.773	46.979	50.892	53.672

ภาคผนวก ง

แสดงรายละเอียดของข้อมูลภายในโปรแกรม เกอท ตรีจิต

GEFT SIMULATION PROJECT 1 BY P.LACPRAJONG
DATE 10/ 20/ 1981

NETWORK DESCRIPTION

NODE CHARACTERISTICS

HIGHEST NODE NUMBER IS 999
NUMBER OF SOURCE NODES IS 1
NUMBER OF SINK NODES IS 1
NUMBER OF NODES TO REALIZE THE NETWORK IS 1
STATISTICS COLLECTED ON 68 NODES
NUMBER OF PARAMETER SETS IS 26
INITIAL RANDOM NUMBER IS 881888. 0.0

NODE	NUMBER RELEASES	NUMBER OF RELEASES FOR REPEAT	OUTPUT TYPE	REMOVAL DESIRED AT REALIZATION	STATISTICS BASED ON REALIZATIONS
2	0	5599	D		
3	-1	-1	C		
4	1	1	C		B
10	1	1	C		
11	1	1	D		
12	1	1	C		
13	1	1	C		
14	1	1	C		
15	1	1	D		
16	1	1	C		
17	1	1	C		
18	1	1	C		
19	1	1	C		
20	1	1	C		
21	1	1	C		
22	1	1	D		
23	1	1	C		
24	1	1	C		
25	1	1	C		
100	1	1	D		
101	1	1	D		
102	1	1	C		
103	1	1	C		
104	1	1	D		
105	1	1	D		
106	1	1	C		
107	1	1	C		
108	1	1	C		
109	1	1	C		
110	1	1	C		
111	1	1	D		
112	1	1	D		
113	1	1	C		
114	1	1	C		
115	1	1	D		
200	1	1	D		
201	1	1	D		
202	1	1	C		
203	1	1	C		
204	1	1	C		
205	1	1	D		
206	1	1	C		
207	1	1	C		
208	1	1	C		
209	1	1	C		
210	1	1	E		
211	1	1	D		
212	1	1	D		
213	1	1	C		
214	1	1	C		
215	1	1	D		
250	1	1	D		

251	1	1	D
252	1	1	C
253	1	1	C
254	1	1	C
255	1	1	D
256	1	1	C
257	1	1	C
258	1	1	C
259	1	1	C
260	1	1	C
261	1	1	C
262	1	1	C
263	1	1	C
264	1	1	C
266	1	1	C
265	1	1	D
300	-1	-1	D
301	-1	-1	C
302	-1	-1	C
303	-1	-1	D
304	-1	-1	C
305	-1	-1	C
306	-1	-1	C
307	-1	-1	C
308	-1	-1	D
309	-1	-1	D
310	-1	-1	D
311	-1	-1	D
312	-1	-1	D
313	-1	-1	D
314	-1	-1	C
315	-1	-1	C
350	1	1	D
351	1	1	C
352	1	1	C
353	1	1	C
354	1	1	C
355	1	1	C
356	1	1	D
357	1	1	C
358	1	1	C
359	1	1	C
360	1	1	D
361	1	1	D
362	1	1	D
363	1	1	C
364	1	1	C
365	1	1	C
400	1	1	D
401	1	1	C
402	1	1	C
403	1	1	C
404	1	1	C
405	1	1	C
406	1	1	D
407	1	1	C
408	1	1	C
409	1	1	C
410	1	1	C
411	1	1	D
412	1	1	D
413	1	1	C
414	1	1	C
415	1	1	C
500	-1	-1	D
501	-1	-1	C
502	-1	-1	C
503	-1	-1	C
504	-1	-1	C
505	-1	-1	C

506	-1	-1	C	
507	-1	-1	C	
508	-1	-1	C	
509	-1	-1	C	
510	-1	-1	D	
511	-1	-1	C	
512	-1	-1	C	
513	-1	-1	D	
514	-1	-1	C	
515	-1	-1	C	
600	1	1	C	
601	1	1	C	
602	1	1	D	
603	1	1	C	
604	1	1	D	
605	1	1	C	
606	1	1	D	
607	1	1	D	
608	1	1	D	
609	1	1	C	
610	1	1	C	
611	1	1	D	
612	1	1	D	
613	1	1	C	
614	1	1	C	
615	1	1	C	
650	-1	-1	C	
651	-1	-1	C	
652	-1	-1	D	
653	-1	-1	C	
654	-1	-1	C	
655	-1	-1	D	
656	-1	-1	D	
657	-1	-1	C	
658	-1	-1	C	
659	-1	-1	C	
660	-1	-1	C	
661	-1	-1	C	
662	-1	-1	C	
663	-1	-1	C	
664	-1	-1	D	
665	-1	-1	C	
850	1	1	C	
851	1	1	C	
852	1	1	D	
853	1	1	D	
854	1	1	C	
855	1	1	C	
856	1	1	D	
857	1	1	D	
858	1	1	C	
859	1	1	C	
860	1	1	C	
861	1	1	D	
862	1	1	C	
863	1	1	D	
864	1	1	C	
865	1	1	C	
700	-1	-1	C	
701	-1	-1	C	
702	-1	-1	D	
703	-1	-1	C	
704	-1	-1	C	

80	1	1	C
81	1	1	C
82	1	1	D
83	1	1	D
84	1	1	C
85	1	1	C
86	1	1	D
87	1	1	D
88	1	1	C
33	1	1	C
34	1	1	D
35	1	1	C
36	1	1	D
37	1	1	D
38	1	1	C
39	1	1	C
40	1	1	C
41	1	1	D
42	1	1	D
43	1	1	C
44	1	1	C
45	1	1	D
46	1	1	D
47	1	1	C
48	1	1	C

QUEUE NODES

NODE	INITIAL # IN QUEUE	MAXIMUM # ALLOWED	OUTPUT TYPE	NODE FOR BALKERS	PRIORITY SCHEME
800	3	9999	D	0	FIFO
801	3	9999	D	0	FIFO
802	3	9999	C	0	FIFO
803	3	9999	D	0	FIFO
804	3	9999	D	0	FIFO
805	0	9999	D	C	FIFO
806	3	9999	D	0	FIFO
807	3	9999	D	0	FIFO
808	3	9999	D	0	FIFO
809	0	9999	D	C	FIFO
810	3	9999	D	0	FIFO
811	3	9999	D	0	FIFO
812	3	9999	D	0	FIFO
813	3	9999	D	0	FIFO
814	3	9999	D	0	FIFO
815	3	9999	D	0	FIFO
5	5	9999	D	0	FIFO
32	2	9999	D	0	FIFO

SOURCE NODE NUMBERS

2

SINK NODE NUMBERS

192

STATISTICS COLLECTED ALSO ON NODES

31	915	914	913	912	911	910	909	908	907	906	905	904	903	902	901	900	899	898
362	361	360	359	358	357	356	355	354	353	352	351	350	349	348	347	346	345	344
503	502	501	500	499	498	497	496	495	494	493	492	491	490	489	488	487	486	485
404	403	402	401	400	399	398	397	396	395	394	393	392	391	390	389	388	387	386

ACTIVITY PARAMETERS

PARAMETER NUMBER	PARAMETERS			
	1	2	3	4
1	0.0200	0.0	1.0000	0.0
2	1.7300	0.0	100.0000	0.0
3	5.5431	2.4000	24.0000	1.0000
4	0.5000	0.0	1.0000	0.0
5	1.3030	0.0	100.0000	0.0
6	720.0000	0.0	1000.0000	0.0
7	36.3636	6.0000	96.0000	1.0000
8	0.5000	0.0	1.0000	0.0
9	0.6000	0.1000	2.9000	1.0000
10	61.7280	7.5000	217.5000	34.9500
11	61.7280	7.5000	217.5000	34.9500
12	61.7280	7.5000	217.5000	34.9500
13	61.7280	7.5000	217.5000	34.9500
14	61.7280	7.5000	217.5000	34.9500
15	61.7280	7.5000	217.5000	34.9500
16	61.7280	7.5000	217.5000	34.9500
17	61.7280	7.5000	217.5000	34.9500
18	61.7280	7.5000	217.5000	34.9500
19	61.7280	7.5000	217.5000	34.9500
20	61.7280	7.5000	217.5000	34.9500
21	61.7280	7.5000	217.5000	34.9500
22	61.7280	7.5000	217.5000	34.9500
23	61.7280	7.5000	217.5000	34.9500
24	61.7280	7.5000	217.5000	34.9500
25	61.7280	7.5000	217.5000	34.9500
26	0.0500	0.0	1.0000	0.0

ACTIVITY DESCRIPTION

START NODE	END NODE	PARAMETER NUMBER	DISTRIBUTION TYPE	COUNT TYPE	ACTIVITY NUMBER	PROBABILITY
2	3	3	4	0	0	1.0000
2	30	7	4	0	0	1.0000
2	800	1	1	-1	0	1.0000
2	801	1	1	-1	0	1.0000
2	802	1	1	-1	0	1.0000
2	803	1	1	-1	0	1.0000
2	804	1	1	-1	0	1.0000
2	805	1	1	-1	0	1.0000
2	806	1	1	-1	0	1.0000
2	807	1	1	-1	0	1.0000
2	808	1	1	-1	0	1.0000
2	809	1	1	-1	24	1.0000
2	810	1	1	-1	26	1.0000
2	813	1	1	-1	30	1.0000
2	815	1	1	-1	0	1.0000
2	899	6	1	0	0	1.0000
3	3	3	4	0	0	1.0000
3	4	1	1	0	0	1.0000
4	5	1	1	-1	0	1.0000
5	10	8	1	-5	0	1.0000
10	11	1	1	0	0	1.0000
11	12	1	1	0	0	1.0000
12	13	1	1	0	0	1.0000
13	14	1	1	0	0	1.0000
14	15	1	1	0	0	1.0000
15	16	1	1	0	0	1.0000
16	17	1	1	0	0	1.0000
17	18	1	1	0	0	1.0000
18	19	1	1	0	0	1.0000
19	20	1	1	0	0	1.0000
20	21	1	1	0	0	1.0000
21	22	1	1	0	0	1.0000
22	23	1	1	0	0	1.0000
23	24	1	1	0	0	1.0000
24	25	1	1	0	0	1.0000
25	5	1	1	0	0	1.0000
30	30	7	4	-1	0	1.0000
30	31	1	1	0	0	1.0000
31	32	1	1	0	0	1.0000
32	33	4	1	-1	0	1.0000
33	34	1	1	-32	0	1.0000
34	35	1	1	0	0	1.0000
35	36	1	1	0	0	1.0000
36	37	1	1	0	0	1.0000
37	38	1	1	0	0	1.0000
38	39	1	1	0	0	1.0000
39	40	1	1	0	0	1.0000
40	41	1	1	0	0	1.0000
41	42	1	1	0	0	1.0000
42	43	1	1	0	0	1.0000
43	44	1	1	0	0	1.0000
44	45	1	1	0	0	1.0000
45	46	1	1	0	0	1.0000
46	47	1	1	0	0	1.0000
47	48	1	1	0	0	1.0000
48	32	1	1	0	0	1.0000
53	73	1	1	-1	0	1.0000
54	74	1	1	0	1	1.0000
55	75	1	1	0	3	1.0000
56	76	1	1	0	5	1.0000
57	77	1	1	0	7	1.0000
58	78	1	1	0	9	1.0000
59	79	1	1	0	11	1.0000
60	80	1	1	0	13	1.0000
61	81	1	1	0	15	1.0000
62	82	1	1	0	17	1.0000
					19	1.0000

63	83	1	1	0	21	1.0000
64	84	1	1	0	23	1.0000
65	85	1	1	0	25	1.0000
66	86	1	1	0	27	1.0000
67	87	1	1	0	29	1.0000
68	88	1	1	0	31	1.0000
73	650	1	1	0	50	1.0000
74	651	1	1	0	51	1.0000
75	652	1	1	0	52	1.0000
76	653	1	1	0	53	1.0000
77	654	1	1	0	54	1.0000
78	655	1	1	0	55	1.0000
79	656	1	1	0	56	1.0000
80	657	1	1	0	57	1.0000
81	658	1	1	0	58	1.0000
82	659	1	1	0	59	1.0000
83	660	1	1	0	60	1.0000
84	661	1	1	0	61	1.0000
85	662	1	1	0	62	1.0000
86	663	1	1	0	63	1.0000
87	664	1	1	0	64	1.0000
88	665	1	1	0	65	1.0000
100	200	1	1	0	1	1.0000
101	201	1	1	0	3	1.0000
102	202	1	1	0	5	1.0000
103	203	1	1	0	7	1.0000
104	204	1	1	0	9	1.0000
105	205	1	1	0	11	1.0000
106	206	1	1	0	13	1.0000
107	207	1	1	0	15	1.0000
108	208	1	1	0	17	1.0000
109	209	1	1	0	19	1.0000
110	210	1	1	0	21	1.0000
111	211	1	1	0	23	1.0000
112	212	1	1	0	25	1.0000
113	213	1	1	0	27	1.0000
114	214	1	1	0	29	1.0000
115	215	1	1	0	31	1.0000
200	250	26	1	0	0	1.0000
201	251	26	1	0	0	1.0000
202	252	26	1	0	0	1.0000
203	253	26	1	0	0	1.0000
204	254	26	1	0	0	1.0000
205	255	26	1	0	0	1.0000
206	256	26	1	0	0	1.0000
207	257	26	1	0	0	1.0000
208	258	26	1	0	0	1.0000
209	259	26	1	0	0	1.0000
210	260	26	1	0	0	1.0000
211	261	26	1	0	0	1.0000
212	262	26	1	0	0	1.0000
213	263	26	1	0	0	1.0000
214	264	26	1	0	0	1.0000
215	266	26	1	0	0	1.0000
250	265	1	1	0	0	1.0000
250	300	1	1	0	0	1.0000
251	265	1	1	0	0	1.0000
251	301	1	1	0	0	1.0000
252	265	1	1	0	0	1.0000
252	302	1	1	0	0	1.0000
253	265	1	1	0	0	1.0000
253	303	1	1	0	0	1.0000
254	265	1	1	0	0	1.0000
254	304	1	1	0	0	1.0000
255	265	1	1	0	0	1.0000
255	305	1	1	0	0	1.0000
256	265	1	1	0	0	1.0000
256	306	1	1	0	0	1.0000
257	265	1	1	0	0	1.0000
257	307	1	1	0	0	1.0000
258	265	1	1	0	0	1.0000
258	308	1	1	0	0	1.0000
259	265	1	1	0	0	1.0000
259	309	1	1	0	0	1.0000

260	265	1	1	0	C	1.0000
260	313	1	1	0	0	1.0000
261	265	1	1	C	0	1.0000
261	311	1	1	C	0	1.0000
262	265	1	1	0	0	1.0000
262	312	1	1	0	0	1.0000
263	265	1	1	0	0	1.0000
263	313	1	1	0	0	1.0000
264	265	1	1	0	0	1.0000
264	314	1	1	0	0	1.0000
266	265	1	1	0	0	1.0000
266	315	1	1	0	0	1.0000
300	400	2	1	0	0	1.0000
301	401	2	1	0	0	1.0000
302	402	2	1	0	0	1.0000
303	403	2	1	C	0	1.0000
304	404	2	1	0	0	1.0000
305	405	2	1	0	0	1.0000
306	406	2	1	0	0	1.0000
307	407	2	1	0	0	1.0000
308	408	2	1	0	0	1.0000
309	409	2	1	0	0	1.0000
310	410	2	1	0	0	1.0000
311	411	2	1	0	0	1.0000
312	412	2	1	0	0	1.0000
313	413	2	1	0	C	1.0000
314	414	2	1	0	0	1.0000
315	415	2	1	0	0	1.0000
350	11	1	1	0	0	1.0000
351	12	1	1	0	0	1.0000
352	13	1	1	0	0	1.0000
353	14	1	1	0	0	1.0000
354	15	1	1	0	0	1.0000
355	16	1	1	0	0	1.0000
356	17	1	1	0	0	1.0000
357	18	1	1	0	0	1.0000
358	19	1	1	0	0	1.0000
359	20	1	1	C	0	1.0000
360	21	1	1	0	0	1.0000
361	22	1	1	0	0	1.0000
362	23	1	1	C	0	1.0000
363	24	1	1	0	0	1.0000
364	25	1	1	0	0	1.0000
365	5	1	1	-1	0	1.0000
400	500	1	1	0	0	1.0000
401	501	1	1	0	0	1.0000
402	502	1	1	0	0	1.0000
403	503	1	1	0	0	1.0000
404	504	1	1	0	0	1.0000
405	505	1	1	0	0	1.0000
406	506	1	1	C	0	1.0000
407	507	1	1	0	0	1.0000
408	508	1	1	0	0	1.0000
409	509	1	1	0	0	1.0000
410	510	1	1	0	0	1.0000
411	511	1	1	0	0	1.0000
412	512	1	1	0	0	1.0000
413	513	1	1	0	0	1.0000
414	514	1	1	0	0	1.0000
415	515	1	1	0	0	1.0000
500	600	5	1	0	0	1.0000
501	601	5	1	0	0	1.0000
502	602	5	1	0	0	1.0000
503	603	5	1	C	0	1.0000
504	604	5	1	0	0	1.0000
505	605	5	1	0	0	1.0000
506	606	5	1	0	0	1.0000
507	607	5	1	0	0	1.0000
508	608	5	1	0	0	1.0000
509	609	5	1	0	0	1.0000
510	610	5	1	0	0	1.0000
511	611	5	1	0	0	1.0000
512	612	5	1	0	0	1.0000
513	613	5	1	0	0	1.0000
514	614	5	1	0	0	1.0000
515	615	5	1	0	0	1.0000
600	650	1	1	0	0	1.0000
601	651	1	1	0	0	1.0000

602	652	1	1	0	0	1.0000
603	653	1	1	0	0	1.0000
604	654	1	1	0	0	1.0000
605	655	1	1	0	0	1.0000
606	656	1	1	0	0	1.0000
607	657	1	1	0	0	1.0000
608	658	1	1	0	0	1.0000
609	659	1	1	0	0	1.0000
610	660	1	1	0	0	1.0000
611	661	1	1	0	0	1.0000
612	662	1	1	0	0	1.0000
613	663	1	1	0	0	1.0000
614	664	1	1	0	0	1.0000
615	665	1	1	0	0	1.0000
650	850	9	4	0	0	1.0000
651	851	9	4	0	0	1.0000
652	852	9	4	0	0	1.0000
653	853	9	4	0	0	1.0000
654	854	9	4	0	0	1.0000
655	855	9	4	0	0	1.0000
656	856	9	4	0	0	1.0000
657	857	9	4	0	0	1.0000
658	858	9	4	0	0	1.0000
659	859	9	4	0	0	1.0000
660	860	9	4	0	0	1.0000
661	861	9	4	0	0	1.0000
662	862	9	4	0	0	1.0000
663	863	9	4	0	0	1.0000
664	864	9	4	0	0	1.0000
665	865	9	4	0	0	1.0000
700	800	1	1	-1	0	1.0000
701	801	1	1	-1	0	1.0000
702	802	1	1	-1	0	1.0000
703	803	1	1	-1	0	1.0000
704	804	1	1	-1	0	1.0000
705	805	1	1	-1	0	1.0000
706	806	1	1	-1	0	1.0000
707	807	1	1	-1	0	1.0000
708	808	1	1	-1	0	1.0000
709	809	1	1	-1	0	1.0000
710	810	1	1	-1	0	1.0000
711	811	1	1	-1	0	1.0000
712	812	1	1	-1	0	1.0000
713	813	1	1	-1	0	1.0000
714	814	1	1	-1	0	1.0000

715	315	1	1	-1	0	1.0000
800	300	10	8	-800	0	1.0000
801	301	11	8	-801	0	1.0000
802	302	12	8	-802	0	1.0000
803	303	13	8	-803	0	1.0000
804	304	14	8	-804	0	1.0000
805	305	15	8	-805	0	1.0000
806	306	16	8	-806	0	1.0000
807	307	17	8	-807	0	1.0000
808	308	18	8	-808	0	1.0000
809	309	19	8	-809	0	1.0000
810	310	20	8	-810	0	1.0000
811	311	21	8	-811	0	1.0000
812	312	22	8	-812	0	1.0000
813	313	23	8	-813	0	1.0000
814	314	24	8	-814	0	1.0000
815	315	25	8	-815	0	1.0000
830	700	1	1	0	0	1.0000
851	701	1	1	0	0	1.0000
852	702	1	1	0	0	1.0000
853	703	1	1	0	0	1.0000
854	704	1	1	0	0	1.0000
855	705	1	1	0	0	1.0000
856	706	1	1	0	0	1.0000
857	707	1	1	0	0	1.0000
858	708	1	1	0	0	1.0000
859	709	1	1	0	0	1.0000
860	710	1	1	0	0	1.0000
861	711	1	1	0	0	1.0000
862	712	1	1	0	0	1.0000
863	713	1	1	0	0	1.0000
864	714	1	1	0	0	1.0000
865	715	1	1	0	0	1.0000
900	990	1	1	0	2	1.0000
901	990	1	1	0	4	1.0000
902	990	1	1	0	6	1.0000
903	990	1	1	0	8	1.0000
904	990	1	1	0	10	1.0000
905	990	1	1	0	12	1.0000
906	990	1	1	0	14	1.0000
907	990	1	1	0	16	1.0000
908	990	1	1	0	18	1.0000
909	990	1	1	0	20	1.0000
910	990	1	1	0	22	1.0000
911	990	1	1	0	24	1.0000
912	990	1	1	0	26	1.0000
913	990	1	1	0	28	1.0000
914	990	1	1	0	30	1.0000
915	990	1	1	0	32	1.0000

ภาคผนวก จ

แสดงรายละเอียดผลการจำลองของเรือสินค้า 9 ลำ

PERT SIMULATION PROJECT -1 BY F.LACRAJONG
DATE 10/ 20/ 1981

FINAL RESULTS FOR 1 SIMULATIONS

NODE	PROB./COUNT	MEAN	STD.DEV.	# OF CBS.	MIN.	MAX.	ACDE TYPE
999	1.0000	195.0000	0.0	1.	155.0000	195.0000	A
31	1.0000	51.0000	4.2426	2.	48.0000	54.0000	B
915	1.0000	75.5500	19.1625	2.	62.0000	89.1000	I
914	1.0000	53.6000	40.8704	2.	24.7600	83.5000	I
913			NC VALUES RECORDED				
912			NC VALUES RECORDED				
911	1.0000	62.7500	43.4871	2.	32.0000	93.5000	I
910	1.0000	81.4500	31.7491	2.	59.0000	103.9000	I
909	1.0000	53.1000	51.0531	2.	17.0000	85.2000	I
908			NC VALUES RECORDED				
907	1.0000	67.0000	2.8284	2.	65.0000	69.0000	I
906	1.0000	90.6250	19.2687	2.	77.0000	104.2500	I
905	1.0000	61.5000	26.1629	2.	43.0000	80.0000	I
904			NC VALUES RECORDED				
903	1.0000	55.2250	18.7029	2.	42.0000	68.4500	I
902	1.0000	62.4500	58.6191	2.	21.0000	103.9000	I
901	1.0000	66.5000	7.7782	2.	61.0000	72.0000	I
900	1.0000	58.5500	42.4971	2.	28.9000	89.2000	I
899	1.0000	2.2096	0.0	1.	2.2096	2.2096	I
898	1.0000	0.1466	0.0	1.	0.1466	0.1466	I
897			NC VALUES RECORDED				
896			NC VALUES RECORDED				
895	1.0000	0.4015	0.0	1.	0.4015	0.4015	I
894	1.0000	0.3082	0.0	1.	0.3082	0.3082	I
893	1.0000	1.4580	0.0	1.	1.4580	1.4580	I
892			NC VALUES RECORDED				
891	1.0000	0.4062	0.0	1.	0.4062	0.4062	I
890	1.0000	0.1708	0.0	1.	0.1708	0.1708	I

ภาคผนวก ฉ

แสดงผลเฉลี่ยการจำลองของเรือสินค้าให้บริการท่าเรือคลองเตยในรอบ 1 เดือน

GEET SIMULATION PROJECT 1 BY P.LACPRAJUNG
DATE 10/ 20/ 1981

** FINAL RESULTS FOR 10 SIMULATIONS**

NODE	PROB./COUNT	MEAN	STC.DEV.	# OF OBS.	MIN.	MAX.	NODE TYPE
999	1.0000	720.0000	0.0	10.	720.0000	720.0000	A
31	1.0000	34.1817	26.3723	201.	6.0000	97.0200	B
915	1.0000	54.9728	32.3349	82.	7.5198	122.7212	I
914	1.0000	62.5641	35.2465	77.	13.8026	161.5415	I
913	1.0000	64.3753	35.5514	80.	7.6673	191.2516	I
912	1.0000	63.3125	33.6413	84.	8.9883	193.0410	I
911	1.0000	61.6556	33.5399	87.	7.5198	156.1953	I
910	1.0000	58.2278	32.4981	93.	7.8289	139.6222	I
909	1.0000	59.3678	33.2027	96.	10.6394	160.0860	I
908	1.0000	58.3960	30.7585	100.	7.5198	146.1104	I
907	1.0000	55.4394	29.7837	107.	7.5198	137.3159	I
906	1.0000	59.2341	32.4919	102.	8.3701	163.6887	I
905	1.0000	59.5577	35.9255	100.	9.9636	157.5749	I
904	1.0000	58.4694	31.4205	105.	10.3350	204.9048	I
903	1.0000	53.8667	31.4214	106.	7.5198	141.5066	I
902	1.0000	62.6890	37.3591	97.	9.5261	192.4018	I
901	1.0000	63.0676	38.4825	99.	7.5198	172.4665	I
900	1.0000	59.0614	32.9661	102.	11.8938	168.6234	I
865	1.0000	0.5688	0.5445	76.	0.0999	2.9000	I
864	1.0000	0.5806	0.4665	84.	0.0999	2.3599	I
863	1.0000	0.4978	0.5013	77.	0.0999	2.7795	I
862	1.0000	0.7170	0.6102	91.	0.0999	2.5645	I
861	1.0000	0.6396	0.6183	93.	0.0999	2.8076	I
860	1.0000	0.5453	0.4936	91.	0.0999	2.2090	I
859	1.0000	0.7018	0.5745	95.	0.0999	2.9000	I
858	1.0000	0.5793	0.5775	97.	0.0999	2.9000	I
857	1.0000	0.5847	0.5468	105.	0.0999	2.9000	I
856	1.0000	0.6471	0.6483	98.	0.0999	2.8638	I
855	1.0000	0.5953	0.5816	98.	0.0999	2.3662	I
854	1.0000	0.5470	0.5655	102.	0.0999	2.9000	I
853	1.0000	0.5919	0.5522	104.	0.0999	2.5049	I
852	1.0000	0.6369	0.6440	97.	0.0999	2.3779	I

851	1.0000	0.5824	0.5092	96.	0.0999	2.2358	I
850	1.0000	0.5933	0.5193	101.	0.0999	2.9000	I
615	1.0000	1.3030	0.0	66.	1.3030	1.3030	I
614	1.0000	1.3030	0.0	58.	1.3030	1.3030	I
613	1.0000	1.3030	0.0	67.	1.3029	1.3030	I
612	1.0000	1.3030	0.0	75.	1.3030	1.3030	I
611	1.0000	1.3030	0.0	78.	1.3030	1.3030	I
610	1.0000	1.3030	0.0	78.	1.3030	1.3030	I
609	1.0000	1.3030	0.0	86.	1.3030	1.3030	I
608	1.0000	1.3030	0.0	85.	1.3030	1.3030	I
607	1.0000	1.3030	0.0	89.	1.3030	1.3030	I
606	1.0000	1.3030	0.0	78.	1.3030	1.3030	I
605	1.0000	1.3030	0.0	86.	1.3028	1.3030	I
604	1.0000	1.3030	0.0	94.	1.3030	1.3030	I
603	1.0000	1.3030	0.0	88.	1.3030	1.3030	I
602	1.0000	1.3030	0.0	85.	1.3030	1.3030	I
601	1.0000	1.3030	0.0	79.	1.3030	1.3030	I
600	1.0000	1.3030	0.0	83.	1.3030	1.3030	I
415	1.0000	1.7300	0.0	66.	1.7300	1.7300	I
414	1.0000	1.7300	0.0	58.	1.7298	1.7300	I
413	1.0000	1.7300	0.0	67.	1.7300	1.7300	I
412	1.0000	1.7300	0.0	75.	1.7300	1.7300	I
411	1.0000	1.7300	0.0	78.	1.7300	1.7300	I
410	1.0000	1.7300	0.0	78.	1.7299	1.7300	I
409	1.0000	1.7300	0.0	86.	1.7295	1.7300	I
408	1.0000	1.7300	0.0	85.	1.7300	1.7300	I
407	1.0000	1.7300	0.0	89.	1.7300	1.7300	I
406	1.0000	1.7300	0.0	78.	1.7300	1.7300	I
405	1.0000	1.7300	0.0	97.	1.7300	1.7300	I
404	1.0000	1.7300	0.0	74.	1.7300	1.7300	I
403	1.0000	1.7300	0.0	83.	1.7300	1.7300	I
402	1.0000	1.7300	0.0	85.	1.7300	1.7300	I
401	1.0000	1.7300	0.0	79.	1.7300	1.7300	I
400	1.0000	1.7300	0.0	89.	1.7300	1.7300	I
265	1.0000	16.6976	47.7528	1282.	0.6289	444.1035	I
4	1.0000	5.8517	4.7167	1224.	2.3997	24.0000	E

GERT SIMULATION PROJECT 1 BY F. LACPRAJONG
DATE 10/20/1981

FINAL RESULTS FOR 10 SIMULATIONS

ID#	PROB./COUNT	MEAN	STD.DEV.	# OF OBS.	MIN.	MAX.	CODE	TYPE
999	1.0000	720.0000	0.0	10.	720.0000	720.0000	A	
31	1.0000	36.3126	33.1315	190.	6.0000	56.0000	B	
915	1.0000	62.7378	25.6730	64.	7.5200	145.0476	I	
914	1.0000	55.7705	30.2323	81.	7.5198	150.5432	I	
913	1.0000	59.5206	34.8704	80.	7.8486	217.5193	I	
912	1.0000	59.0001	31.7677	34.	12.6980	151.4541	I	
911	1.0000	53.6995	32.3618	56.	7.5200	184.5354	I	
910	1.0000	59.7250	31.1532	95.	7.5198	172.3350	I	
909	1.0000	61.2118	31.7030	94.	10.7166	181.9123	I	
908	1.0000	63.8913	36.2357	50.	8.2101	153.9490	I	
907	1.0000	63.4312	38.1212	94.	8.8013	183.4405	I	
906	1.0000	53.7100	30.1921	101.	8.2118	149.0605	I	
905	1.0000	65.6840	41.2124	93.	11.4644	202.7791	I	
904	1.0000	63.2034	36.3022	95.	9.9763	217.5200	I	
903	1.0000	63.4228	35.1775	59.	10.3875	188.1003	I	
902	1.0000	57.5275	33.1274	103.	7.5198	171.4928	I	
901	1.0000	57.4474	31.3734	103.	7.5198	147.5613	I	
900	1.0000	57.5214	38.1786	103.	7.5198	183.4825	I	
855	1.0000	0.6393	0.6136	57.	0.0999	2.3999	I	
854	1.0000	0.6515	0.5331	87.	0.0999	2.9000	I	
853	1.0000	0.6230	0.5393	75.	0.0999	2.9000	I	
862	1.0000	0.6179	0.5239	89.	0.0999	2.3389	I	
861	1.0000	0.6645	0.5665	105.	0.0999	2.9406	I	
850	1.0000	0.5449	0.4734	93.	0.0999	2.7690	I	
859	1.0000	0.6120	0.5311	93.	0.0999	2.7799	I	
858	1.0000	0.6991	0.6450	88.	0.0999	2.9599	I	
857	1.0000	0.6296	0.4835	51.	0.0999	2.8999	I	
856	1.0000	0.5746	0.4855	99.	0.0999	2.4581	I	
855	1.0000	0.6155	0.5570	92.	0.0999	2.4946	I	
854	1.0000	0.5970	0.4991	53.	0.0999	2.1855	I	
853	1.0000	0.6444	0.5887	93.	0.0999	2.3599	I	
852	1.0000	0.6075	0.5775	103.	0.0999	2.3599	I	

351	1.0000	0.5637	0.5333	108.	0.0999	2.4724	1
350	1.0000	0.6237	0.6252	108.	0.0999	2.3949	1
615	1.0000	1.3030	0.0	46.	1.3030	1.3030	1
614	1.0000	1.3030	0.0	66.	1.3030	1.3030	1
613	1.0000	1.3030	0.0	64.	1.3030	1.3030	1
612	1.0000	1.3030	0.0	75.	1.3030	1.3030	1
611	1.0000	1.3030	0.0	81.	1.3030	1.3030	1
610	1.0000	1.3030	0.0	83.	1.3030	1.3030	1
609	1.0000	1.3030	0.0	79.	1.3029	1.3030	1
608	1.0000	1.3030	0.0	75.	1.3030	1.3030	1
607	1.0000	1.3030	0.0	81.	1.3030	1.3030	1
606	1.0000	1.3030	0.0	86.	1.3029	1.3030	1
605	1.0000	1.3030	0.0	77.	1.3030	1.3030	1
604	1.0000	1.3030	0.0	81.	1.3030	1.3030	1
603	1.0000	1.3030	0.0	86.	1.3030	1.3030	1
602	1.0000	1.3030	0.0	90.	1.3030	1.3030	1
601	1.0000	1.3030	0.0	96.	1.3030	1.3030	1
600	1.0000	1.3030	0.0	94.	1.3028	1.3030	1
415	1.0000	1.7300	0.0	46.	1.7300	1.7300	1
414	1.0000	1.7300	0.0	66.	1.7298	1.7300	1
413	1.0000	1.7300	0.0	64.	1.7300	1.7300	1
412	1.0000	1.7300	0.0	75.	1.7300	1.7300	1
411	1.0000	1.7300	0.0	81.	1.7300	1.7300	1
410	1.0000	1.7300	0.0	83.	1.7300	1.7300	1
409	1.0000	1.7300	0.0	79.	1.7300	1.7300	1
408	1.0000	1.7300	0.0	75.	1.7300	1.7300	1
407	1.0000	1.7300	0.0	82.	1.7300	1.7300	1
406	1.0000	1.7300	0.0	86.	1.7300	1.7300	1
405	1.0000	1.7300	0.0	77.	1.7300	1.7300	1
404	1.0000	1.7300	0.0	81.	1.7300	1.7300	1
403	1.0000	1.7300	0.0	86.	1.7300	1.7300	1
402	1.0000	1.7300	0.0	90.	1.7300	1.7300	1
401	1.0000	1.7300	0.0	96.	1.7300	1.7300	1
400	1.0000	1.7300	0.0	94.	1.7300	1.7300	1
205	1.0000	16.4057	55.7375	1264.	0.6285	663.3652	1
4	1.0000	5.9172	4.9214	1209.	2.3456	24.1262	8

GEFT SIMULATION PROJECT 1 BY P.LACPRAJONG
DATE 10/ 20/ 1981

** FINAL RESULTS FOR 10 SIMULATIONS **

CODE	PROB./COUNT	MEAN	STD.DEV.	# OF OBS.	MIN.	MAX.	CODE TYPE
999	1.0000	720.0000	0.0	10.	720.0000	720.0000	A
31	1.0000	39.5502	26.4891	220.	6.0000	96.3200	E
515	1.0000	61.8636	36.6076	65.	7.5200	217.5200	I
914	1.0000	60.1462	39.9636	72.	7.5198	175.2588	I
513	1.0000	62.2363	32.0217	75.	7.5200	197.2679	I
912	1.0000	55.1592	33.1011	91.	8.1323	150.4493	I
911	1.0000	63.8778	30.4290	84.	12.8420	170.3246	I
910	1.0000	56.1440	30.0519	95.	11.2722	143.9485	I
909	1.0000	60.5359	33.1852	87.	7.5198	159.0905	I
933	1.0000	61.0839	33.7248	91.	13.4094	155.9817	I
937	1.0000	65.6471	33.4345	89.	8.3389	187.6151	I
936	1.0000	59.7239	38.4211	99.	7.5198	217.5200	I
935	1.0000	61.1672	32.6644	99.	7.5198	180.6924	I
934	1.0000	64.2675	34.7715	93.	11.3821	197.0520	I
533	1.0000	65.3529	34.4321	94.	11.3127	171.2659	I
932	1.0000	52.8382	25.3228	115.	8.1943	113.7330	I
901	1.0000	61.2480	34.6095	100.	7.5200	155.4515	I
900	1.0000	56.8623	31.2390	109.	7.5200	179.6750	I
865	1.0000	0.6251	0.5557	61.	0.0599	2.7358	I
854	1.0000	0.5732	0.5629	78.	0.0599	2.4771	I
853	1.0000	0.6981	0.5915	72.	0.0599	2.6772	I
852	1.0000	0.7031	0.5973	99.	0.0599	2.3599	I
851	1.0000	0.5691	0.5291	92.	0.0599	2.2773	I
850	1.0000	0.6096	0.5369	94.	0.0599	2.7891	I
859	1.0000	0.4959	0.4693	86.	0.0599	2.6149	I
858	1.0000	0.6284	0.6032	90.	0.0599	2.3999	I
857	1.0000	0.5778	0.4831	88.	0.0599	2.2405	I
856	1.0000	0.5611	0.5370	97.	0.0599	2.4370	I
855	1.0000	0.4728	0.4060	98.	0.0599	1.6844	I
854	1.0000	0.5689	0.5302	93.	0.0599	1.8672	I
853	1.0000	0.6440	0.6351	93.	0.0599	2.3999	I
852	1.0000	0.5872	0.5726	113.	0.0599	2.5745	I

851	1.0000	0.6388	0.5492	100.	0.0599	2.3604	I
850	1.0000	0.6198	0.5538	109.	0.0599	2.4348	I
815	1.0000	1.3030	0.0	49.	1.3030	1.3030	I
814	1.0000	1.3030	0.0	58.	1.3030	1.3030	I
613	1.0000	1.3030	0.0	59.	1.3030	1.3030	I
612	1.0000	1.3030	0.0	86.	1.3030	1.3030	I
611	1.0000	1.3030	0.0	67.	1.3030	1.3030	I
610	1.0000	1.3030	0.0	65.	1.3030	1.3030	I
609	1.0000	1.3030	0.0	69.	1.3030	1.3030	I
608	1.0000	1.3030	0.0	77.	1.3030	1.3030	I
607	1.0000	1.3030	0.0	71.	1.3030	1.3030	I
606	1.0000	1.3030	0.0	82.	1.3030	1.3030	I
605	1.0000	1.3030	0.0	82.	1.3029	1.3030	I
604	1.0000	1.3030	0.0	75.	1.3030	1.3030	I
603	1.0000	1.3030	0.0	79.	1.3030	1.3030	I
602	1.0000	1.3030	0.0	89.	1.3030	1.3030	I
601	1.0000	1.3030	0.0	84.	1.3030	1.3030	I
600	1.0000	1.3030	0.0	96.	1.3030	1.3030	I
415	1.0000	1.7300	0.0	49.	1.7300	1.7300	I
414	1.0000	1.7300	0.0	58.	1.7298	1.7300	I
413	1.0000	1.7300	0.0	59.	1.7255	1.7300	I
412	1.0000	1.7300	0.0	36.	1.7300	1.7300	I
411	1.0000	1.7300	0.0	67.	1.7300	1.7300	I
410	1.0000	1.7300	0.0	85.	1.7300	1.7300	I
409	1.0000	1.7300	0.0	69.	1.7298	1.7300	I
408	1.0000	1.7300	0.0	77.	1.7300	1.7300	I
407	1.0000	1.7300	0.0	71.	1.7300	1.7300	I
406	1.0000	1.7300	0.0	82.	1.7300	1.7300	I
405	1.0000	1.7300	0.0	82.	1.7300	1.7300	I
404	1.0000	1.7300	0.0	75.	1.7300	1.7300	I
403	1.0000	1.7300	0.0	79.	1.7300	1.7300	I
402	1.0000	1.7300	0.0	89.	1.7300	1.7300	I
401	1.0000	1.7300	0.0	84.	1.7300	1.7300	I
400	1.0000	1.7300	0.0	96.	1.7300	1.7300	I
263	1.0000	13.0167	38.5542	1211.	0.6285	391.2947	I
4	1.0000	6.1858	5.0684	1153.	2.3557	24.0000	B

QUEUE NODES

NCDE	MEAN	STD. DEV.	# OF QBS.	MIN.	MAX.	
800	0.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
800	0.8364	0.0735	10.	0.6861	0.9278	AVERAGE BUSY TIME OF PROCESSOR
800	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
801	0.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
801	0.3369	0.0681	10.	0.7209	0.9412	AVERAGE BUSY TIME OF PROCESSOR
801	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
802	0.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
802	0.3443	0.0535	10.	0.7447	0.9192	AVERAGE BUSY TIME OF PROCESSOR
802	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
803	0.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
803	0.8664	0.0419	10.	0.8101	0.9160	AVERAGE BUSY TIME OF PROCESSOR
803	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
804	0.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
804	0.3524	0.0710	10.	0.7433	0.9363	AVERAGE BUSY TIME OF PROCESSOR
804	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
805	0.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
805	0.3269	0.0646	10.	0.7151	0.9455	AVERAGE BUSY TIME OF PROCESSOR
805	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
806	0.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
806	0.3339	0.0738	10.	0.7145	0.9535	AVERAGE BUSY TIME OF PROCESSOR
806	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
807	0.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
807	0.3236	0.0584	10.	0.7386	0.9114	AVERAGE BUSY TIME OF PROCESSOR
807	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
808	0.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
808	0.8108	0.0813	10.	0.6206	0.8917	AVERAGE BUSY TIME OF PROCESSOR
808	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
809	0.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
809	0.7313	0.1282	10.	0.4711	0.9037	AVERAGE BUSY TIME OF PROCESSOR
809	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
810	0.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
810	0.7519	0.1472	10.	0.4174	0.9025	AVERAGE BUSY TIME OF PROCESSOR
810	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
811	0.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
811	0.7619	0.1418	10.	0.4999	0.8972	AVERAGE BUSY TIME OF PROCESSOR
811	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
812	0.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
812	0.7334	0.1403	10.	0.4779	0.8794	AVERAGE BUSY TIME OF PROCESSOR
812	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
813	0.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
813	0.7151	0.1347	10.	0.4848	0.9063	AVERAGE BUSY TIME OF PROCESSOR
813	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
814	0.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
814	0.6639	0.1754	10.	0.3818	0.9092	AVERAGE BUSY TIME OF PROCESSOR
814	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
815	0.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
815	0.6259	0.1933	10.	0.2444	0.8355	AVERAGE BUSY TIME OF PROCESSOR
815	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
5	2.1349	1.9598	10.	0.7506	6.9641	AVERAGE NUMBER IN THE QUEUE
5	0.4067	0.1802	10.	0.2396	0.7354	AVERAGE BUSY TIME OF PROCESSOR
5	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
32	0.0432	0.0647	10.	0.0021	0.2121	AVERAGE NUMBER IN THE QUEUE
32	0.1641	0.0891	10.	0.0694	0.3479	AVERAGE BUSY TIME OF PROCESSOR
32	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME

800	1.0	0.0	10.	1.0	0.0	AVERAGE NUMBER IN THE QUEUE
800	1.3525	0.0408	10.	0.8092	0.9348	AVERAGE BUSY TIME OF PROCESSOR
800	1.0	0.0	10.	1.0	0.0	AVERAGE BALKERS PER UNIT TIME
801	1.0	0.0	10.	1.0	0.0	AVERAGE NUMBER IN THE QUEUE
801	1.3614	0.0455	10.	0.7313	0.9324	AVERAGE BUSY TIME OF PROCESSOR
801	0.0	0.0	10.	1.0	0.0	AVERAGE BALKERS PER UNIT TIME
802	1.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
802	0.8284	0.0706	10.	0.7253	0.9182	AVERAGE BUSY TIME OF PROCESSOR
802	0.0	0.0	10.	1.0	0.0	AVERAGE BALKERS PER UNIT TIME
803	1.0	0.0	10.	1.0	0.0	AVERAGE NUMBER IN THE QUEUE
803	0.8718	0.0419	10.	0.8103	0.9430	AVERAGE BUSY TIME OF PROCESSOR
803	1.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
804	1.0	0.0	10.	1.0	1.0	AVERAGE NUMBER IN THE QUEUE
804	1.3425	0.0656	10.	0.7435	0.9551	AVERAGE BUSY TIME OF PROCESSOR
804	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
805	0.0	0.0	10.	1.0	0.0	AVERAGE NUMBER IN THE QUEUE
805	1.3432	0.0513	10.	0.7688	0.9330	AVERAGE BUSY TIME OF PROCESSOR
805	1.0	0.0	10.	1.0	0.0	AVERAGE BALKERS PER UNIT TIME
806	1.0	0.0	10.	1.0	1.0	AVERAGE NUMBER IN THE QUEUE
806	0.8233	0.0715	10.	0.6357	0.8900	AVERAGE BUSY TIME OF PROCESSOR
806	1.0	0.0	10.	1.0	0.0	AVERAGE BALKERS PER UNIT TIME
807	1.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
807	1.3279	0.0639	10.	0.7317	0.9431	AVERAGE BUSY TIME OF PROCESSOR
807	0.0	0.0	10.	1.0	0.0	AVERAGE BALKERS PER UNIT TIME
808	1.0	0.0	10.	1.0	0.0	AVERAGE NUMBER IN THE QUEUE
808	1.7934	0.0658	10.	0.6392	0.8927	AVERAGE BUSY TIME OF PROCESSOR
808	1.0	0.0	10.	1.0	0.0	AVERAGE BALKERS PER UNIT TIME
809	1.0	0.0	10.	1.0	1.0	AVERAGE NUMBER IN THE QUEUE
809	1.7939	0.0452	10.	0.7343	0.8646	AVERAGE BUSY TIME OF PROCESSOR
809	1.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
810	1.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
810	1.7432	0.1101	10.	0.5912	0.9062	AVERAGE BUSY TIME OF PROCESSOR
810	0.0	0.0	10.	1.0	0.0	AVERAGE BALKERS PER UNIT TIME
811	1.0	0.0	10.	1.0	0.0	AVERAGE NUMBER IN THE QUEUE
811	1.7157	0.1265	10.	0.5434	0.9011	AVERAGE BUSY TIME OF PROCESSOR
811	1.0	0.0	10.	1.0	0.0	AVERAGE BALKERS PER UNIT TIME
812	1.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
812	1.6331	0.1508	10.	0.4740	0.9345	AVERAGE BUSY TIME OF PROCESSOR
812	0.0	0.0	10.	1.0	0.0	AVERAGE BALKERS PER UNIT TIME
813	1.0	0.0	10.	0.0	1.0	AVERAGE NUMBER IN THE QUEUE
813	1.6511	0.1054	10.	0.5410	0.8619	AVERAGE BUSY TIME OF PROCESSOR
813	0.0	0.0	10.	1.0	0.0	AVERAGE BALKERS PER UNIT TIME
814	1.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
814	1.6272	0.1793	10.	0.3233	0.8908	AVERAGE BUSY TIME OF PROCESSOR
814	1.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
815	0.0	0.0	10.	1.0	0.0	AVERAGE NUMBER IN THE QUEUE
815	1.3575	0.1704	10.	0.2136	0.7523	AVERAGE BUSY TIME OF PROCESSOR
815	1.0	0.0	10.	1.0	0.0	AVERAGE BALKERS PER UNIT TIME
5	1.9772	2.6164	10.	1.2334	8.6682	AVERAGE NUMBER IN THE QUEUE
5	0.4273	0.2374	10.	0.2549	0.5958	AVERAGE BUSY TIME OF PROCESSOR
5	1.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
32	0.3196	0.0340	10.	0.0021	0.1113	AVERAGE NUMBER IN THE QUEUE
32	1.1016	0.0988	10.	0.0403	0.3757	AVERAGE BUSY TIME OF PROCESSOR
32	0.0	0.0	10.	1.0	0.0	AVERAGE BALKERS PER UNIT TIME

NODE	MEAN	STD.DEV.	# OF CBS.	MIN.	MAX.	
800	0.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
800	0.0005	0.0566	10.	0.0454	0.9241	AVERAGE BUSY TIME OF PROCESSOR
800	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
801	0.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
801	0.0018	0.0303	10.	0.0002	0.0972	AVERAGE BUSY TIME OF PROCESSOR
801	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
802	0.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
802	0.0436	0.0428	10.	0.0771	0.8860	AVERAGE BUSY TIME OF PROCESSOR
802	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
803	0.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
803	0.0030	0.0356	10.	0.0927	0.9045	AVERAGE BUSY TIME OF PROCESSOR
803	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
804	0.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
804	0.0219	0.0343	10.	0.0466	0.8677	AVERAGE BUSY TIME OF PROCESSOR
804	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
805	0.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
805	0.0408	0.0511	10.	0.0482	0.9165	AVERAGE BUSY TIME OF PROCESSOR
805	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
806	0.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
806	0.0209	0.0575	10.	0.0379	0.9000	AVERAGE BUSY TIME OF PROCESSOR
806	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
807	0.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
807	0.0112	0.0592	10.	0.0101	0.8371	AVERAGE BUSY TIME OF PROCESSOR
807	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
808	0.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
808	0.0719	0.0636	10.	0.0803	0.8730	AVERAGE BUSY TIME OF PROCESSOR
808	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
809	0.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
809	0.0312	0.0678	10.	0.0175	0.8136	AVERAGE BUSY TIME OF PROCESSOR
809	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
810	0.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
810	0.0405	0.1035	10.	0.0355	0.8542	AVERAGE BUSY TIME OF PROCESSOR
810	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
811	0.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
811	0.0450	0.0521	10.	0.0635	0.8642	AVERAGE BUSY TIME OF PROCESSOR
811	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
812	0.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
812	0.0974	0.1409	10.	0.0291	0.9133	AVERAGE BUSY TIME OF PROCESSOR
812	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
813	0.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
813	0.0481	0.1246	10.	0.0499	0.8341	AVERAGE BUSY TIME OF PROCESSOR
813	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
814	0.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
814	0.0313	0.1066	10.	0.0822	0.7325	AVERAGE BUSY TIME OF PROCESSOR
814	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
815	0.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
815	0.0583	0.1234	10.	0.0268	0.7127	AVERAGE BUSY TIME OF PROCESSOR
815	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
816	0.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
816	0.0	0.0	10.	0.0	0.0	AVERAGE BUSY TIME OF PROCESSOR
816	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
817	0.0	0.0	10.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
817	0.0	0.0	10.	0.0	0.0	AVERAGE BUSY TIME OF PROCESSOR
817	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
5	0.0461	0.0614	10.	0.0253	0.0527	AVERAGE NUMBER IN THE QUEUE
5	0.0339	0.1370	10.	0.0208	0.6680	AVERAGE BUSY TIME OF PROCESSOR
5	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
32	0.0292	0.0255	10.	0.0021	0.0774	AVERAGE NUMBER IN THE QUEUE
32	0.0112	0.0493	10.	0.0479	0.1040	AVERAGE BUSY TIME OF PROCESSOR
32	0.0	0.0	10.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME

ภาคผนวก ช

แสดงผลการจำลองเมื่อมีจำนวนเท่าเทียบเรือที่เหมาะสม

FINAL RESULTS FOR 15 SIMULATIONS

ID#	PROB./COUNT	MEAN	STD. DEV.	# OF OBS.	MIN.	MAX.	MODE	TYPE
900	1.0000	720.0000	0.0	15.	720.0000	720.0000	A	
911	1.0000	33.2717	26.9886	316.	6.0000	96.0000	B	
921	1.0000	68.6070	49.2142	27.	19.4765	207.0661	I	
931	1.0000	56.6886	34.3769	34.	12.7468	134.3947	I	
917	1.0000	65.5064	31.2894	30.	14.3943	135.0066	I	
913	1.0000	60.2078	35.2975	45.	7.5198	137.0613	I	
917	1.0000	53.4322	31.4948	59.	7.5198	152.7663	I	
916	1.0000	63.1047	37.9823	70.	13.9185	217.5200	I	
915	1.0000	55.3554	29.6177	76.	9.7664	152.2390	I	
914	1.0000	59.1592	36.6770	89.	7.5198	190.7944	I	
913	1.0000	65.7993	39.5381	87.	7.5200	170.0832	I	
912	1.0000	57.5443	30.8107	109.	7.5198	171.0003	I	
911	1.0000	57.1732	39.0184	119.	7.5200	217.5100	I	
910	1.0000	65.2360	40.6394	113.	9.7380	217.5100	I	
909	1.0000	61.5153	37.1834	126.	7.5440	215.0047	I	
908	1.0000	64.2493	33.3621	126.	10.8638	197.0568	I	
907	1.0000	62.4154	35.5964	132.	9.7805	132.0000	I	
906	1.0000	56.4362	32.2447	145.	9.7471	200.0000	I	
905	1.0000	61.8861	33.7711	139.	7.5198	156.1110	I	
904	1.0000	59.5457	35.4272	148.	7.5198	205.6323	I	
903	1.0000	60.4671	35.4533	145.	11.2834	190.2000	I	
902	1.0000	57.3390	31.3585	153.	8.5902	185.7534	I	
901	1.0000	58.9424	35.8609	153.	9.9843	217.5100	I	
900	1.0000	61.1685	38.2896	148.	7.5198	214.4739	I	
857	1.0000	0.5936	0.4035	61.	0.0999	1.9019	I	
856	1.0000	0.5664	0.4827	75.	0.0999	1.7558	I	
855	1.0000	0.5545	0.4985	69.	0.0999	2.0000	I	
854	1.0000	0.6420	0.5539	98.	0.0999	2.0000	I	
853	1.0000	0.6620	0.5736	81.	0.0999	2.0000	I	
852	1.0000	0.6460	0.6203	118.	0.0999	2.0000	I	
851	1.0000	0.5700	0.4565	131.	0.0999	2.0000	I	
850	1.0000	0.5495	0.5715	106.	0.0999	2.0000	I	
850	1.0000	0.5519	0.6176	121.	0.0999	2.0000	I	

853	1.0000	0.5450	0.5643	119.	0.0999	2.3990	I
857	1.0000	0.5672	0.5012	128.	0.0999	2.6077	I
856	1.0000	0.5384	0.4773	139.	0.0999	2.6010	I
855	1.0000	0.6077	0.6357	136.	0.0999	2.7000	I
854	1.0000	0.5793	0.5730	144.	0.0999	2.3230	I
853	1.0000	0.5405	0.5149	143.	0.0999	2.3999	I
852	1.0000	0.6139	0.5890	153.	0.0999	2.3999	I
851	1.0000	0.6623	0.5875	151.	0.0999	2.9000	I
850	1.0000	0.5732	0.5392	148.	0.0999	2.7603	I
613	1.0000	1.3030	0.0	72.	1.3028	1.3030	I
612	1.0000	1.3030	0.0	98.	1.3030	1.3030	I
611	1.0000	1.3030	0.0	97.	1.3030	1.3030	I
610	1.0000	1.3030	0.0	93.	1.3029	1.3030	I
609	1.0000	1.3030	0.0	99.	1.3030	1.3030	I
608	1.0000	1.3030	0.0	110.	1.3029	1.3030	I
607	1.0000	1.3030	0.0	106.	1.3030	1.3030	I
606	1.0000	1.3030	0.0	122.	1.3030	1.3030	I
605	1.0000	1.3030	0.0	116.	1.3030	1.3030	I
604	1.0000	1.3030	0.0	120.	1.3030	1.3030	I
603	1.0000	1.3030	0.0	129.	1.3029	1.3030	I
602	1.0000	1.3030	0.0	125.	1.3030	1.3030	I
601	1.0000	1.3030	0.0	133.	1.3029	1.3030	I
600	1.0000	1.3030	0.0	130.	1.3030	1.3030	I
413	1.0000	1.7300	0.0	72.	1.7298	1.7300	I
412	1.0000	1.7300	0.0	98.	1.7300	1.7300	I
411	1.0000	1.7300	0.0	97.	1.7300	1.7300	I
410	1.0000	1.7300	0.0	93.	1.7300	1.7300	I
409	1.0000	1.7300	0.0	99.	1.7300	1.7300	I
408	1.0000	1.7300	0.0	111.	1.7300	1.7300	I
407	1.0000	1.7300	0.0	106.	1.7300	1.7300	I
406	1.0000	1.7300	0.0	122.	1.7300	1.7300	I
405	1.0000	1.7300	0.0	118.	1.7300	1.7300	I
404	1.0000	1.7300	0.0	122.	1.7300	1.7300	I
403	1.0000	1.7300	0.0	129.	1.7300	1.7300	I
402	1.0000	1.7300	0.0	125.	1.7300	1.7300	I
401	1.0000	1.7300	0.0	134.	1.7300	1.7300	I
400	1.0000	1.7300	0.0	130.	1.7299	1.7300	I
255	1.0000	1.6085	3.7828	1911.	0.6289	42.6440	I
4	1.0000	5.8822	4.7566	1826.	2.3996	24.0000	B

QUEUE NODES

NODE	MEAN	STD. DEV.	# OF OBS.	MIN.	MAX.	
800	1.0	0.0	15.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
800	1.3330	0.6445	15.	0.7511	0.9031	AVERAGE BUSY TIME OF PROCESSOR
800	1.0	0.0	15.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
801	0.0	0.0	15.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
801	1.3347	0.6364	15.	0.7799	0.8997	AVERAGE BUSY TIME OF PROCESSOR
801	1.0	0.0	15.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
802	1.0	0.0	15.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
802	1.8120	0.6697	15.	0.6768	0.9008	AVERAGE BUSY TIME OF PROCESSOR
802	1.0	0.0	15.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
803	1.0	0.0	15.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
803	1.8116	0.6560	15.	0.6968	0.8793	AVERAGE BUSY TIME OF PROCESSOR
803	1.0	0.0	15.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
804	1.0	0.0	15.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
804	1.8157	0.6443	15.	0.7494	0.9045	AVERAGE BUSY TIME OF PROCESSOR
804	1.0	0.0	15.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
805	1.0	0.0	15.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
805	1.7963	0.6645	15.	0.6917	0.8772	AVERAGE BUSY TIME OF PROCESSOR
805	1.0	0.0	15.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
806	1.0	0.0	15.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
806	1.7575	0.6521	15.	0.6388	0.8156	AVERAGE BUSY TIME OF PROCESSOR
806	1.0	0.0	15.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
807	1.0	0.0	15.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
807	1.7626	0.6667	15.	0.6344	0.8613	AVERAGE BUSY TIME OF PROCESSOR
807	1.0	0.0	15.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
808	1.0	0.0	15.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
808	1.7494	0.6530	15.	0.6583	0.8252	AVERAGE BUSY TIME OF PROCESSOR
808	1.0	0.0	15.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
809	1.0	0.0	15.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
809	1.7175	0.6802	15.	0.6046	0.8500	AVERAGE BUSY TIME OF PROCESSOR
809	1.0	0.0	15.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
810	1.0	0.0	15.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
810	1.5824	0.6812	15.	0.5386	0.8197	AVERAGE BUSY TIME OF PROCESSOR
810	1.0	0.0	15.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME

811	3.0	0.0	15.	3.0	0.0	AVERAGE NUMBER IN THE QUEUE
811	3.5298	0.1016	15.	0.4069	0.8024	AVERAGE BUSY TIME OF PROCESSOR
811	3.0	0.0	15.	3.0	0.0	AVERAGE BALKERS PER UNIT TIME
812	3.0	0.0	15.	3.0	0.0	AVERAGE NUMBER IN THE QUEUE
812	3.5306	0.0876	15.	0.3982	0.7428	AVERAGE BUSY TIME OF PROCESSOR
812	3.0	0.0	15.	3.0	0.0	AVERAGE BALKERS PER UNIT TIME
813	3.0	0.0	15.	3.0	0.0	AVERAGE NUMBER IN THE QUEUE
813	3.3299	0.0924	15.	0.3564	0.7073	AVERAGE BUSY TIME OF PROCESSOR
813	3.0	0.0	15.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
814	3.0	0.0	15.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
814	3.4374	0.1047	15.	0.3631	0.6731	AVERAGE BUSY TIME OF PROCESSOR
814	3.0	0.0	15.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
815	3.0	0.0	15.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
815	3.3894	0.1154	15.	0.1788	0.6082	AVERAGE BUSY TIME OF PROCESSOR
815	3.0	0.0	15.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
816	3.0	0.0	15.	3.0	0.0	AVERAGE NUMBER IN THE QUEUE
816	3.4089	0.1383	15.	0.1690	0.5430	AVERAGE BUSY TIME OF PROCESSOR
816	3.0	0.0	15.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
817	3.0	0.0	15.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
817	3.3191	0.0740	15.	0.1933	0.4442	AVERAGE BUSY TIME OF PROCESSOR
817	3.0	0.0	15.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
818	3.0	0.0	15.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
818	3.2508	0.1167	15.	0.1124	0.5521	AVERAGE BUSY TIME OF PROCESSOR
818	3.0	0.0	15.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
819	3.0	0.0	15.	3.0	0.0	AVERAGE NUMBER IN THE QUEUE
819	3.1819	0.0799	15.	0.0527	0.3393	AVERAGE BUSY TIME OF PROCESSOR
819	3.0	0.0	15.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
820	3.0	0.0	15.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
820	3.1784	0.0755	15.	0.0418	0.3145	AVERAGE BUSY TIME OF PROCESSOR
820	3.0	0.0	15.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
821	3.0	0.0	15.	0.0	0.0	AVERAGE NUMBER IN THE QUEUE
821	3.1715	0.0802	15.	0.0589	0.3697	AVERAGE BUSY TIME OF PROCESSOR
821	3.0	0.0	15.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
5	3.0585	0.0730	15.	0.0119	0.2993	AVERAGE NUMBER IN THE QUEUE
5	3.1349	0.0314	15.	0.1014	0.2264	AVERAGE BUSY TIME OF PROCESSOR
5	3.0	0.0	15.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME
32	3.0022	0.0003	15.	0.0021	0.0031	AVERAGE NUMBER IN THE QUEUE
32	3.0248	0.0007	15.	0.0153	0.0156	AVERAGE BUSY TIME OF PROCESSOR
32	3.0	0.0	15.	0.0	0.0	AVERAGE BALKERS PER UNIT TIME

902	15.00	15.00	7 0 0	23 1 0	35 0 0	23 0 0	20 0 0	23 0 0	12 0 0	6 0 0	0 0 0	3 0 0	
901	15.00	15.00	4 0 0	32 1 0	37 0 0	24 1 0	19 0 0	15 0 0	16 0 0	4 0 0	4 0 0	2 0 0	1
900	15.00	15.00	7 0 0	25 1 0	27 0 0	26 1 0	23 0 0	17 0 0	10 0 0	7 0 0	4 0 0	5 0 0	2
867	0.10	0.30	5 0 0	22 0 0	12 0 0	12 0 0	5 0 0	4 0 0	0 0 0	1 0 0	0 0 0	0 0 0	
866	0.10	0.30	11 0 0	27 0 0	13 0 0	7 0 0	11 0 0	3 0 0	3 0 0	0 0 0	0 0 0	0 0 0	
865	0.10	0.30	11 0 0	23 0 0	14 0 0	12 0 0	5 0 0	2 0 0	0 0 0	1 0 0	0 0 0	0 0 0	1
864	0.10	0.30	18 0 0	32 0 0	14 0 0	13 0 0	6 0 0	5 0 0	4 0 0	2 0 0	1 0 0	0 0 0	3
863	0.10	0.20	14 0 0	25 0 0	12 0 0	16 0 0	6 0 0	1 0 0	2 0 0	0 0 0	2 0 0	0 0 0	3
862	0.10	0.30	13 0 0	43 0 0	20 0 0	19 0 0	7 0 0	5 0 0	4 0 0	4 0 0	0 0 0	0 0 0	3
861	0.10	0.30	24 0 0	44 0 0	28 0 0	12 0 0	15 0 0	4 0 0	1 0 0	2 0 0	1 0 0	0 0 0	
860	0.10	0.30	21 0 0	42 0 0	13 0 0	13 0 0	5 0 0	6 0 0	2 0 0	2 0 0	0 0 0	0 0 0	2
859	0.10	0.30	26 0 0	40 0 0	23 0 0	11 0 0	4 0 0	3 0 0	3 0 0	2 0 0	0 0 0	0 0 0	4
858	0.10	0.30	29 0 0	36 0 0	22 0 0	12 0 0	12 0 0	2 0 0	3 0 0	0 0 0	0 0 0	1 0 0	2
857	0.10	0.30	20 0 0	42 0 0	28 0 0	21 0 0	6 0 0	3 0 0	5 0 0	1 0 0	1 0 0	1 0 0	
856	0.10	0.30	15 0 0	57 0 0	25 0 0	21 0 0	12 0 0	3 0 0	3 0 0	2 0 0	0 0 0	1 0 0	
855	0.10	0.30	23 0 0	45 0 0	27 0 0	18 0 0	9 0 0	3 0 0	2 0 0	1 0 0	3 0 0	3 0 0	2
854	0.10	0.30	21 0 0	54 0 0	31 0 0	12 0 0	10 0 0	7 0 0	1 0 0	4 0 0	1 0 0	2 0 0	1
853	0.10	0.30	22 0 0	46 0 0	40 0 0	16 0 0	6 0 0	5 0 0	3 0 0	3 0 0	1 0 0	0 0 0	1
852	0.10	0.30	31 0 0	43 0 0	30 0 0	18 0 0	11 0 0	7 0 0	6 0 0	4 0 0	1 0 0	0 0 0	2
851	0.10	0.30	17 0 0	51 0 0	26 0 0	20 0 0	20 0 0	7 0 0	5 0 0	1 0 0	0 0 0	1 0 0	3
850	0.10	0.30	15 0 0	37 0 0	33 0 0	19 0 0	8 0 0	4 0 0	7 0 0	4 0 0	0 0 0	1 0 0	



ประวัติการศึกษา

นาย พิกพ เล้าประจง เกิดเมื่อวันที่ 17 กรกฎาคม 2498 ที่กรุงเทพมหานคร สำเร็จการศึกษาชั้นปริญญาตรี วิศวกรรมศาสตร์บัณฑิต จากวิทยาลัยเทคโนโลยี และอาชีวศึกษา เมื่อปีการศึกษา 2521 เข้าศึกษาในระดับปริญญา มหาบัณฑิต ภาควิชา วิศวกรรมอุตสาหกรรม บัณฑิตวิทยาลัย จุฬาลงกรณ์มหาวิทยาลัย ในปีการศึกษา 2522 ปัจจุบันทำงานในตำแหน่ง เจ้าหน้าที่เครื่องคอมพิวเตอร์ กองคอมพิวเตอร์ สำนักงานปลัดกระทรวงการคลัง กระทรวงการคลัง