

Last date for Recounting/Revaluation is 12-02-2018;

Online registration through URL: <http://registrations1.jntuh.ac.in/olrbtech> ; <http://registrations2.jntuh.ac.ir>

Hallticket No	Subject	Subject Name	Internal	External	Total	Credits
12891A0471	117BG	CELLULAR AND MOBILE COMM	16	26	42	4
12891A0471	117BY	COMPUTER NETWORKS	14	26	40	4
13891A0410	117BG	CELLULAR AND MOBILE COMM	18	20	38	0
13891A0417	117BG	CELLULAR AND MOBILE COMM	18	17	35	0
13891A0422	117BY	COMPUTER NETWORKS	12	19	31	0
13891A0428	117BY	COMPUTER NETWORKS	14	16	30	0
13891A0433	117BG	CELLULAR AND MOBILE COMM	18	19	37	0
13891A0443	117BG	CELLULAR AND MOBILE COMM	18	11	29	0
13891A0443	117BY	COMPUTER NETWORKS	14	13	27	0
13891A0443	117FE	MICROWAVE ENGINEERING	15	4	19	0
13891A0463	117BG	CELLULAR AND MOBILE COMM	17	27	44	4
13891A0467	117CJ	DIGITAL IMAGE PROCESSING	13	36	49	4
13891A0472	11701	ADVANCED COMMUNICATION S	22	44	66	2
13891A0472	11733	MICROWAVE ENGINEERING AN	16	33	49	2
13891A0472	117BG	CELLULAR AND MOBILE COMM	9	-1	9	0
13891A0472	117BY	COMPUTER NETWORKS	9	0	9	0
13891A0472	117CJ	DIGITAL IMAGE PROCESSING	9	0	9	0
13891A0472	117EG	MANAGEMENT SCIENCE	12	14	26	0
13891A0472	117FE	MICROWAVE ENGINEERING	15	1	16	0
13891A0472	117GA	OPTICAL COMMUNICATIONS	6	0	6	0
13891A0480	11701	ADVANCED COMMUNICATION S	23	46	69	2
13891A0480	11733	MICROWAVE ENGINEERING AN	16	35	51	2
13891A0480	117BG	CELLULAR AND MOBILE COMM	12	22	34	0
13891A0480	117BY	COMPUTER NETWORKS	11	29	40	4
13891A0480	117CJ	DIGITAL IMAGE PROCESSING	13	27	40	4
13891A0480	117EG	MANAGEMENT SCIENCE	17	26	43	4
13891A0480	117FE	MICROWAVE ENGINEERING	18	15	33	0
13891A0480	117GA	OPTICAL COMMUNICATIONS	8	16	24	0
13891A0491	117BG	CELLULAR AND MOBILE COMM	17	27	44	4
13891A0491	117FE	MICROWAVE ENGINEERING	14	10	24	0
13891A04A3	117FE	MICROWAVE ENGINEERING	14	5	19	0
13891A04A7	117BY	COMPUTER NETWORKS	12	18	30	0
13891A04A7	117FE	MICROWAVE ENGINEERING	14	10	24	0
14891A0401	11701	ADVANCED COMMUNICATION S	22	44	66	2
14891A0401	11733	MICROWAVE ENGINEERING AN	24	40	64	2
14891A0401	117BG	CELLULAR AND MOBILE COMM	21	39	60	4
14891A0401	117BY	COMPUTER NETWORKS	17	35	52	4
14891A0401	117CJ	DIGITAL IMAGE PROCESSING	19	58	77	4
14891A0401	117EG	MANAGEMENT SCIENCE	20	36	56	4
14891A0401	117FE	MICROWAVE ENGINEERING	19	36	55	4
14891A0401	117GA	OPTICAL COMMUNICATIONS	20	32	52	4
14891A0402	11701	ADVANCED COMMUNICATION S	22	45	67	2
14891A0402	11733	MICROWAVE ENGINEERING AN	24	44	68	2
14891A0402	117BG	CELLULAR AND MOBILE COMM	19	26	45	4
14891A0402	117BY	COMPUTER NETWORKS	18	35	53	4

14891A0402	117CJ	DIGITAL IMAGE PROCESSING	19	43	62	4
14891A0402	117EG	MANAGEMENT SCIENCE	17	32	49	4
14891A0402	117FE	MICROWAVE ENGINEERING	18	34	52	4
14891A0402	117GA	OPTICAL COMMUNICATIONS	20	29	49	4
14891A0403	11701	ADVANCED COMMUNICATION S	23	45	68	2
14891A0403	11733	MICROWAVE ENGINEERING AN	25	47	72	2
14891A0403	117BG	CELLULAR AND MOBILE COMM	23	46	69	4
14891A0403	117BY	COMPUTER NETWORKS	21	39	60	4
14891A0403	117CJ	DIGITAL IMAGE PROCESSING	22	61	83	4
14891A0403	117EG	MANAGEMENT SCIENCE	21	32	53	4
14891A0403	117FE	MICROWAVE ENGINEERING	22	52	74	4
14891A0403	117GA	OPTICAL COMMUNICATIONS	21	46	67	4
14891A0404	11701	ADVANCED COMMUNICATION S	23	46	69	2
14891A0404	11733	MICROWAVE ENGINEERING AN	24	45	69	2
14891A0404	117BG	CELLULAR AND MOBILE COMM	20	31	51	4
14891A0404	117BY	COMPUTER NETWORKS	18	38	56	4
14891A0404	117CJ	DIGITAL IMAGE PROCESSING	17	43	60	4
14891A0404	117EG	MANAGEMENT SCIENCE	18	29	47	4
14891A0404	117FE	MICROWAVE ENGINEERING	19	35	54	4
14891A0404	117GA	OPTICAL COMMUNICATIONS	18	30	48	4
14891A0405	11701	ADVANCED COMMUNICATION S	23	47	70	2
14891A0405	11733	MICROWAVE ENGINEERING AN	24	43	67	2
14891A0405	117BG	CELLULAR AND MOBILE COMM	19	34	53	4
14891A0405	117BY	COMPUTER NETWORKS	19	26	45	4
14891A0405	117CJ	DIGITAL IMAGE PROCESSING	16	56	72	4
14891A0405	117EG	MANAGEMENT SCIENCE	19	34	53	4
14891A0405	117FE	MICROWAVE ENGINEERING	20	33	53	4
14891A0405	117GA	OPTICAL COMMUNICATIONS	20	35	55	4
14891A0406	11701	ADVANCED COMMUNICATION S	22	44	66	2
14891A0406	11733	MICROWAVE ENGINEERING AN	23	47	70	2
14891A0406	117BG	CELLULAR AND MOBILE COMM	16	31	47	4
14891A0406	117BY	COMPUTER NETWORKS	16	27	43	4
14891A0406	117CJ	DIGITAL IMAGE PROCESSING	15	60	75	4
14891A0406	117EG	MANAGEMENT SCIENCE	17	28	45	4
14891A0406	117FE	MICROWAVE ENGINEERING	18	26	44	4
14891A0406	117GA	OPTICAL COMMUNICATIONS	15	26	41	4
14891A0407	11701	ADVANCED COMMUNICATION S	21	44	65	2
14891A0407	11733	MICROWAVE ENGINEERING AN	18	20	38	2
14891A0407	117BG	CELLULAR AND MOBILE COMM	13	27	40	4
14891A0407	117BY	COMPUTER NETWORKS	13	17	30	0
14891A0407	117CJ	DIGITAL IMAGE PROCESSING	11	29	40	4
14891A0407	117EG	MANAGEMENT SCIENCE	12	20	32	0
14891A0407	117FE	MICROWAVE ENGINEERING	13	27	40	4
14891A0407	117GA	OPTICAL COMMUNICATIONS	14	26	40	4
14891A0408	11701	ADVANCED COMMUNICATION S	24	46	70	2
14891A0408	11733	MICROWAVE ENGINEERING AN	25	47	72	2
14891A0408	117BG	CELLULAR AND MOBILE COMM	23	37	60	4
14891A0408	117BY	COMPUTER NETWORKS	19	42	61	4
14891A0408	117CJ	DIGITAL IMAGE PROCESSING	22	55	77	4
14891A0408	117EG	MANAGEMENT SCIENCE	21	31	52	4

14891A0408	117FE	MICROWAVE ENGINEERING	18	31	49	4
14891A0408	117GA	OPTICAL COMMUNICATIONS	21	40	61	4
14891A0409	11701	ADVANCED COMMUNICATION S	22	44	66	2
14891A0409	11733	MICROWAVE ENGINEERING AN	20	35	55	2
14891A0409	117BG	CELLULAR AND MOBILE COMM	15	27	42	4
14891A0409	117BY	COMPUTER NETWORKS	14	34	48	4
14891A0409	117CJ	DIGITAL IMAGE PROCESSING	14	50	64	4
14891A0409	117EG	MANAGEMENT SCIENCE	13	32	45	4
14891A0409	117FE	MICROWAVE ENGINEERING	16	28	44	4
14891A0409	117GA	OPTICAL COMMUNICATIONS	15	32	47	4
14891A0411	11701	ADVANCED COMMUNICATION S	23	46	69	2
14891A0411	11733	MICROWAVE ENGINEERING AN	23	42	65	2
14891A0411	117BG	CELLULAR AND MOBILE COMM	19	40	59	4
14891A0411	117BY	COMPUTER NETWORKS	14	43	57	4
14891A0411	117CJ	DIGITAL IMAGE PROCESSING	17	56	73	4
14891A0411	117EG	MANAGEMENT SCIENCE	17	38	55	4
14891A0411	117FE	MICROWAVE ENGINEERING	18	31	49	4
14891A0411	117GA	OPTICAL COMMUNICATIONS	19	26	45	4
14891A0412	11701	ADVANCED COMMUNICATION S	22	45	67	2
14891A0412	11733	MICROWAVE ENGINEERING AN	23	45	68	2
14891A0412	117BG	CELLULAR AND MOBILE COMM	20	41	61	4
14891A0412	117BY	COMPUTER NETWORKS	16	40	56	4
14891A0412	117CJ	DIGITAL IMAGE PROCESSING	16	61	77	4
14891A0412	117EG	MANAGEMENT SCIENCE	18	34	52	4
14891A0412	117FE	MICROWAVE ENGINEERING	20	40	60	4
14891A0412	117GA	OPTICAL COMMUNICATIONS	20	32	52	4
14891A0413	11701	ADVANCED COMMUNICATION S	23	45	68	2
14891A0413	11733	MICROWAVE ENGINEERING AN	25	44	69	2
14891A0413	117BG	CELLULAR AND MOBILE COMM	19	32	51	4
14891A0413	117BY	COMPUTER NETWORKS	15	38	53	4
14891A0413	117CJ	DIGITAL IMAGE PROCESSING	17	59	76	4
14891A0413	117EG	MANAGEMENT SCIENCE	14	40	54	4
14891A0413	117FE	MICROWAVE ENGINEERING	15	32	47	4
14891A0413	117GA	OPTICAL COMMUNICATIONS	20	32	52	4
14891A0414	11701	ADVANCED COMMUNICATION S	22	45	67	2
14891A0414	11733	MICROWAVE ENGINEERING AN	24	47	71	2
14891A0414	117BG	CELLULAR AND MOBILE COMM	21	41	62	4
14891A0414	117BY	COMPUTER NETWORKS	19	44	63	4
14891A0414	117CJ	DIGITAL IMAGE PROCESSING	20	58	78	4
14891A0414	117EG	MANAGEMENT SCIENCE	21	40	61	4
14891A0414	117FE	MICROWAVE ENGINEERING	20	41	61	4
14891A0414	117GA	OPTICAL COMMUNICATIONS	21	36	57	4
14891A0415	11701	ADVANCED COMMUNICATION S	23	46	69	2
14891A0415	11733	MICROWAVE ENGINEERING AN	25	47	72	2
14891A0415	117BG	CELLULAR AND MOBILE COMM	19	30	49	4
14891A0415	117BY	COMPUTER NETWORKS	17	39	56	4
14891A0415	117CJ	DIGITAL IMAGE PROCESSING	15	44	59	4
14891A0415	117EG	MANAGEMENT SCIENCE	16	32	48	4
14891A0415	117FE	MICROWAVE ENGINEERING	17	26	43	4
14891A0415	117GA	OPTICAL COMMUNICATIONS	15	26	41	4

14891A0416	11701	ADVANCED COMMUNICATION S	22	44	66	2
14891A0416	11733	MICROWAVE ENGINEERING AN	25	46	71	2
14891A0416	117BG	CELLULAR AND MOBILE COMM	19	38	57	4
14891A0416	117BY	COMPUTER NETWORKS	16	40	56	4
14891A0416	117CJ	DIGITAL IMAGE PROCESSING	19	54	73	4
14891A0416	117EG	MANAGEMENT SCIENCE	17	40	57	4
14891A0416	117FE	MICROWAVE ENGINEERING	20	30	50	4
14891A0416	117GA	OPTICAL COMMUNICATIONS	21	34	55	4
14891A0417	11701	ADVANCED COMMUNICATION S	23	45	68	2
14891A0417	11733	MICROWAVE ENGINEERING AN	24	39	63	2
14891A0417	117BG	CELLULAR AND MOBILE COMM	20	34	54	4
14891A0417	117BY	COMPUTER NETWORKS	17	44	61	4
14891A0417	117CJ	DIGITAL IMAGE PROCESSING	18	43	61	4
14891A0417	117EG	MANAGEMENT SCIENCE	19	31	50	4
14891A0417	117FE	MICROWAVE ENGINEERING	19	32	51	4
14891A0417	117GA	OPTICAL COMMUNICATIONS	19	31	50	4
14891A0418	11701	ADVANCED COMMUNICATION S	21	44	65	2
14891A0418	11733	MICROWAVE ENGINEERING AN	21	36	57	2
14891A0418	117BG	CELLULAR AND MOBILE COMM	15	37	52	4
14891A0418	117BY	COMPUTER NETWORKS	12	37	49	4
14891A0418	117CJ	DIGITAL IMAGE PROCESSING	14	39	53	4
14891A0418	117EG	MANAGEMENT SCIENCE	17	30	47	4
14891A0418	117FE	MICROWAVE ENGINEERING	15	29	44	4
14891A0418	117GA	OPTICAL COMMUNICATIONS	15	11	26	0
14891A0419	11701	ADVANCED COMMUNICATION S	21	44	65	2
14891A0419	11733	MICROWAVE ENGINEERING AN	24	45	69	2
14891A0419	117BG	CELLULAR AND MOBILE COMM	19	26	45	4
14891A0419	117BY	COMPUTER NETWORKS	14	26	40	4
14891A0419	117CJ	DIGITAL IMAGE PROCESSING	15	40	55	4
14891A0419	117EG	MANAGEMENT SCIENCE	17	27	44	4
14891A0419	117FE	MICROWAVE ENGINEERING	16	30	46	4
14891A0419	117GA	OPTICAL COMMUNICATIONS	15	6	21	0
14891A0420	11701	ADVANCED COMMUNICATION S	24	45	69	2
14891A0420	11733	MICROWAVE ENGINEERING AN	25	44	69	2
14891A0420	117BG	CELLULAR AND MOBILE COMM	21	41	62	4
14891A0420	117BY	COMPUTER NETWORKS	20	40	60	4
14891A0420	117CJ	DIGITAL IMAGE PROCESSING	20	60	80	4
14891A0420	117EG	MANAGEMENT SCIENCE	16	48	64	4
14891A0420	117FE	MICROWAVE ENGINEERING	18	52	70	4
14891A0420	117GA	OPTICAL COMMUNICATIONS	20	43	63	4
14891A0421	11701	ADVANCED COMMUNICATION S	23	44	67	2
14891A0421	11733	MICROWAVE ENGINEERING AN	25	47	72	2
14891A0421	117BG	CELLULAR AND MOBILE COMM	20	32	52	4
14891A0421	117BY	COMPUTER NETWORKS	16	32	48	4
14891A0421	117CJ	DIGITAL IMAGE PROCESSING	17	48	65	4
14891A0421	117EG	MANAGEMENT SCIENCE	17	44	61	4
14891A0421	117FE	MICROWAVE ENGINEERING	17	41	58	4
14891A0421	117GA	OPTICAL COMMUNICATIONS	18	36	54	4
14891A0422	11701	ADVANCED COMMUNICATION S	22	45	67	2
14891A0422	11733	MICROWAVE ENGINEERING AN	24	41	65	2

14891A0422	117BG	CELLULAR AND MOBILE COMM	18	33	51	4
14891A0422	117BY	COMPUTER NETWORKS	16	26	42	4
14891A0422	117CJ	DIGITAL IMAGE PROCESSING	16	58	74	4
14891A0422	117EG	MANAGEMENT SCIENCE	18	30	48	4
14891A0422	117FE	MICROWAVE ENGINEERING	16	30	46	4
14891A0422	117GA	OPTICAL COMMUNICATIONS	19	13	32	0
14891A0423	11701	ADVANCED COMMUNICATION S	23	45	68	2
14891A0423	11733	MICROWAVE ENGINEERING AN	25	47	72	2
14891A0423	117BG	CELLULAR AND MOBILE COMM	21	40	61	4
14891A0423	117BY	COMPUTER NETWORKS	21	39	60	4
14891A0423	117CJ	DIGITAL IMAGE PROCESSING	22	60	82	4
14891A0423	117EG	MANAGEMENT SCIENCE	22	50	72	4
14891A0423	117FE	MICROWAVE ENGINEERING	21	46	67	4
14891A0423	117GA	OPTICAL COMMUNICATIONS	22	44	66	4
14891A0424	11701	ADVANCED COMMUNICATION S	23	44	67	2
14891A0424	11733	MICROWAVE ENGINEERING AN	25	47	72	2
14891A0424	117BG	CELLULAR AND MOBILE COMM	22	45	67	4
14891A0424	117BY	COMPUTER NETWORKS	21	37	58	4
14891A0424	117CJ	DIGITAL IMAGE PROCESSING	20	56	76	4
14891A0424	117EG	MANAGEMENT SCIENCE	21	54	75	4
14891A0424	117FE	MICROWAVE ENGINEERING	20	42	62	4
14891A0424	117GA	OPTICAL COMMUNICATIONS	21	39	60	4
14891A0425	11701	ADVANCED COMMUNICATION S	23	45	68	2
14891A0425	11733	MICROWAVE ENGINEERING AN	25	44	69	2
14891A0425	117BG	CELLULAR AND MOBILE COMM	21	36	57	4
14891A0425	117BY	COMPUTER NETWORKS	17	37	54	4
14891A0425	117CJ	DIGITAL IMAGE PROCESSING	17	59	76	4
14891A0425	117EG	MANAGEMENT SCIENCE	17	45	62	4
14891A0425	117FE	MICROWAVE ENGINEERING	19	39	58	4
14891A0425	117GA	OPTICAL COMMUNICATIONS	19	36	55	4
14891A0426	11701	ADVANCED COMMUNICATION S	22	44	66	2
14891A0426	11733	MICROWAVE ENGINEERING AN	20	39	59	2
14891A0426	117BG	CELLULAR AND MOBILE COMM	16	26	42	4
14891A0426	117BY	COMPUTER NETWORKS	13	27	40	4
14891A0426	117CJ	DIGITAL IMAGE PROCESSING	15	48	63	4
14891A0426	117EG	MANAGEMENT SCIENCE	14	26	40	4
14891A0426	117FE	MICROWAVE ENGINEERING	14	26	40	4
14891A0426	117GA	OPTICAL COMMUNICATIONS	16	7	23	0
14891A0427	11701	ADVANCED COMMUNICATION S	23	45	68	2
14891A0427	11733	MICROWAVE ENGINEERING AN	25	42	67	2
14891A0427	117BG	CELLULAR AND MOBILE COMM	14	20	34	0
14891A0427	117BY	COMPUTER NETWORKS	17	26	43	4
14891A0427	117CJ	DIGITAL IMAGE PROCESSING	15	42	57	4
14891A0427	117EG	MANAGEMENT SCIENCE	14	26	40	4
14891A0427	117FE	MICROWAVE ENGINEERING	17	11	28	0
14891A0427	117GA	OPTICAL COMMUNICATIONS	19	11	30	0
14891A0428	11701	ADVANCED COMMUNICATION S	23	45	68	2
14891A0428	11733	MICROWAVE ENGINEERING AN	25	48	73	2
14891A0428	117BG	CELLULAR AND MOBILE COMM	23	34	57	4
14891A0428	117BY	COMPUTER NETWORKS	20	37	57	4

14891A0428	117CJ	DIGITAL IMAGE PROCESSING	20	58	78	4
14891A0428	117EG	MANAGEMENT SCIENCE	20	46	66	4
14891A0428	117FE	MICROWAVE ENGINEERING	21	43	64	4
14891A0428	117GA	OPTICAL COMMUNICATIONS	22	40	62	4
14891A0429	11701	ADVANCED COMMUNICATION S	23	44	67	2
14891A0429	11733	MICROWAVE ENGINEERING AN	23	37	60	2
14891A0429	117BG	CELLULAR AND MOBILE COMM	12	22	34	0
14891A0429	117BY	COMPUTER NETWORKS	12	28	40	4
14891A0429	117CJ	DIGITAL IMAGE PROCESSING	12	15	27	0
14891A0429	117EG	MANAGEMENT SCIENCE	12	30	42	4
14891A0429	117FE	MICROWAVE ENGINEERING	11	17	28	0
14891A0429	117GA	OPTICAL COMMUNICATIONS	14	6	20	0
14891A0430	11701	ADVANCED COMMUNICATION S	23	45	68	2
14891A0430	11733	MICROWAVE ENGINEERING AN	25	49	74	2
14891A0430	117BG	CELLULAR AND MOBILE COMM	22	26	48	4
14891A0430	117BY	COMPUTER NETWORKS	20	30	50	4
14891A0430	117CJ	DIGITAL IMAGE PROCESSING	19	33	52	4
14891A0430	117EG	MANAGEMENT SCIENCE	18	40	58	4
14891A0430	117FE	MICROWAVE ENGINEERING	20	43	63	4
14891A0430	117GA	OPTICAL COMMUNICATIONS	21	29	50	4
14891A0431	11701	ADVANCED COMMUNICATION S	24	47	71	2
14891A0431	11733	MICROWAVE ENGINEERING AN	24	48	72	2
14891A0431	117BG	CELLULAR AND MOBILE COMM	19	21	40	0
14891A0431	117BY	COMPUTER NETWORKS	20	40	60	4
14891A0431	117CJ	DIGITAL IMAGE PROCESSING	19	36	55	4
14891A0431	117EG	MANAGEMENT SCIENCE	19	34	53	4
14891A0431	117FE	MICROWAVE ENGINEERING	19	48	67	4
14891A0431	117GA	OPTICAL COMMUNICATIONS	21	27	48	4
14891A0432	11701	ADVANCED COMMUNICATION S	21	45	66	2
14891A0432	11733	MICROWAVE ENGINEERING AN	25	46	71	2
14891A0432	117BG	CELLULAR AND MOBILE COMM	17	26	43	4
14891A0432	117BY	COMPUTER NETWORKS	15	27	42	4
14891A0432	117CJ	DIGITAL IMAGE PROCESSING	11	18	29	0
14891A0432	117EG	MANAGEMENT SCIENCE	13	33	46	4
14891A0432	117FE	MICROWAVE ENGINEERING	18	32	50	4
14891A0432	117GA	OPTICAL COMMUNICATIONS	14	13	27	0
14891A0433	11701	ADVANCED COMMUNICATION S	23	45	68	2
14891A0433	11733	MICROWAVE ENGINEERING AN	25	43	68	2
14891A0433	117BG	CELLULAR AND MOBILE COMM	17	30	47	4
14891A0433	117BY	COMPUTER NETWORKS	16	35	51	4
14891A0433	117CJ	DIGITAL IMAGE PROCESSING	16	34	50	4
14891A0433	117EG	MANAGEMENT SCIENCE	16	36	52	4
14891A0433	117FE	MICROWAVE ENGINEERING	17	34	51	4
14891A0433	117GA	OPTICAL COMMUNICATIONS	20	26	46	4
14891A0434	11701	ADVANCED COMMUNICATION S	23	46	69	2
14891A0434	11733	MICROWAVE ENGINEERING AN	24	47	71	2
14891A0434	117BG	CELLULAR AND MOBILE COMM	20	37	57	4
14891A0434	117BY	COMPUTER NETWORKS	19	35	54	4
14891A0434	117CJ	DIGITAL IMAGE PROCESSING	19	38	57	4
14891A0434	117EG	MANAGEMENT SCIENCE	19	38	57	4

14891A0434	117FE	MICROWAVE ENGINEERING	19	45	64	4
14891A0434	117GA	OPTICAL COMMUNICATIONS	21	32	53	4
14891A0435	11701	ADVANCED COMMUNICATION S	23	45	68	2
14891A0435	11733	MICROWAVE ENGINEERING AN	25	46	71	2
14891A0435	117BG	CELLULAR AND MOBILE COMM	21	26	47	4
14891A0435	117BY	COMPUTER NETWORKS	19	28	47	4
14891A0435	117CJ	DIGITAL IMAGE PROCESSING	19	32	51	4
14891A0435	117EG	MANAGEMENT SCIENCE	19	32	51	4
14891A0435	117FE	MICROWAVE ENGINEERING	19	43	62	4
14891A0435	117GA	OPTICAL COMMUNICATIONS	20	30	50	4
14891A0436	11701	ADVANCED COMMUNICATION S	21	44	65	2
14891A0436	11733	MICROWAVE ENGINEERING AN	24	42	66	2
14891A0436	117BG	CELLULAR AND MOBILE COMM	17	26	43	4
14891A0436	117BY	COMPUTER NETWORKS	12	28	40	4
14891A0436	117CJ	DIGITAL IMAGE PROCESSING	15	26	41	4
14891A0436	117EG	MANAGEMENT SCIENCE	14	26	40	4
14891A0436	117FE	MICROWAVE ENGINEERING	16	7	23	0
14891A0436	117GA	OPTICAL COMMUNICATIONS	19	4	23	0
14891A0437	11701	ADVANCED COMMUNICATION S	21	44	65	2
14891A0437	11733	MICROWAVE ENGINEERING AN	24	42	66	2
14891A0437	117BG	CELLULAR AND MOBILE COMM	16	19	35	0
14891A0437	117BY	COMPUTER NETWORKS	13	29	42	4
14891A0437	117CJ	DIGITAL IMAGE PROCESSING	15	32	47	4
14891A0437	117EG	MANAGEMENT SCIENCE	14	26	40	4
14891A0437	117FE	MICROWAVE ENGINEERING	14	30	44	4
14891A0437	117GA	OPTICAL COMMUNICATIONS	16	12	28	0
14891A0438	11701	ADVANCED COMMUNICATION S	23	45	68	2
14891A0438	11733	MICROWAVE ENGINEERING AN	25	42	67	2
14891A0438	117BG	CELLULAR AND MOBILE COMM	20	34	54	4
14891A0438	117BY	COMPUTER NETWORKS	18	33	51	4
14891A0438	117CJ	DIGITAL IMAGE PROCESSING	20	39	59	4
14891A0438	117EG	MANAGEMENT SCIENCE	18	39	57	4
14891A0438	117FE	MICROWAVE ENGINEERING	17	29	46	4
14891A0438	117GA	OPTICAL COMMUNICATIONS	20	34	54	4
14891A0439	11701	ADVANCED COMMUNICATION S	23	45	68	2
14891A0439	11733	MICROWAVE ENGINEERING AN	25	45	70	2
14891A0439	117BG	CELLULAR AND MOBILE COMM	17	20	37	0
14891A0439	117BY	COMPUTER NETWORKS	14	32	46	4
14891A0439	117CJ	DIGITAL IMAGE PROCESSING	16	31	47	4
14891A0439	117EG	MANAGEMENT SCIENCE	13	35	48	4
14891A0439	117FE	MICROWAVE ENGINEERING	17	28	45	4
14891A0439	117GA	OPTICAL COMMUNICATIONS	18	26	44	4
14891A0440	11701	ADVANCED COMMUNICATION S	21	43	64	2
14891A0440	11733	MICROWAVE ENGINEERING AN	23	39	62	2
14891A0440	117BG	CELLULAR AND MOBILE COMM	12	19	31	0
14891A0440	117BY	COMPUTER NETWORKS	10	18	28	0
14891A0440	117CJ	DIGITAL IMAGE PROCESSING	14	1	15	0
14891A0440	117EG	MANAGEMENT SCIENCE	10	30	40	4
14891A0440	117FE	MICROWAVE ENGINEERING	12	15	27	0
14891A0440	117GA	OPTICAL COMMUNICATIONS	6	13	19	0

14891A0441	11701	ADVANCED COMMUNICATION S	22	44	66	2
14891A0441	11733	MICROWAVE ENGINEERING AN	23	44	67	2
14891A0441	117BG	CELLULAR AND MOBILE COMM	19	38	57	4
14891A0441	117BY	COMPUTER NETWORKS	18	26	44	4
14891A0441	117CJ	DIGITAL IMAGE PROCESSING	15	29	44	4
14891A0441	117EG	MANAGEMENT SCIENCE	16	37	53	4
14891A0441	117FE	MICROWAVE ENGINEERING	18	33	51	4
14891A0441	117GA	OPTICAL COMMUNICATIONS	21	29	50	4
14891A0442	11701	ADVANCED COMMUNICATION S	23	47	70	2
14891A0442	11733	MICROWAVE ENGINEERING AN	25	43	68	2
14891A0442	117BG	CELLULAR AND MOBILE COMM	23	44	67	4
14891A0442	117BY	COMPUTER NETWORKS	23	40	63	4
14891A0442	117CJ	DIGITAL IMAGE PROCESSING	22	28	50	4
14891A0442	117EG	MANAGEMENT SCIENCE	21	47	68	4
14891A0442	117FE	MICROWAVE ENGINEERING	21	51	72	4
14891A0442	117GA	OPTICAL COMMUNICATIONS	22	40	62	4
14891A0443	11701	ADVANCED COMMUNICATION S	22	44	66	2
14891A0443	11733	MICROWAVE ENGINEERING AN	25	43	68	2
14891A0443	117BG	CELLULAR AND MOBILE COMM	17	27	44	4
14891A0443	117BY	COMPUTER NETWORKS	15	35	50	4
14891A0443	117CJ	DIGITAL IMAGE PROCESSING	14	33	47	4
14891A0443	117EG	MANAGEMENT SCIENCE	13	32	45	4
14891A0443	117FE	MICROWAVE ENGINEERING	18	35	53	4
14891A0443	117GA	OPTICAL COMMUNICATIONS	17	32	49	4
14891A0444	11701	ADVANCED COMMUNICATION S	22	45	67	2
14891A0444	11733	MICROWAVE ENGINEERING AN	25	47	72	2
14891A0444	117BG	CELLULAR AND MOBILE COMM	21	45	66	4
14891A0444	117BY	COMPUTER NETWORKS	18	40	58	4
14891A0444	117CJ	DIGITAL IMAGE PROCESSING	19	34	53	4
14891A0444	117EG	MANAGEMENT SCIENCE	19	45	64	4
14891A0444	117FE	MICROWAVE ENGINEERING	17	40	57	4
14891A0444	117GA	OPTICAL COMMUNICATIONS	20	26	46	4
14891A0445	11701	ADVANCED COMMUNICATION S	24	47	71	2
14891A0445	11733	MICROWAVE ENGINEERING AN	25	42	67	2
14891A0445	117BG	CELLULAR AND MOBILE COMM	18	49	67	4
14891A0445	117BY	COMPUTER NETWORKS	19	34	53	4
14891A0445	117CJ	DIGITAL IMAGE PROCESSING	15	31	46	4
14891A0445	117EG	MANAGEMENT SCIENCE	16	40	56	4
14891A0445	117FE	MICROWAVE ENGINEERING	19	36	55	4
14891A0445	117GA	OPTICAL COMMUNICATIONS	21	40	61	4
14891A0446	11701	ADVANCED COMMUNICATION S	21	44	65	2
14891A0446	11733	MICROWAVE ENGINEERING AN	24	46	70	2
14891A0446	117BG	CELLULAR AND MOBILE COMM	19	27	46	4
14891A0446	117BY	COMPUTER NETWORKS	22	27	49	4
14891A0446	117CJ	DIGITAL IMAGE PROCESSING	22	37	59	4
14891A0446	117EG	MANAGEMENT SCIENCE	20	38	58	4
14891A0446	117FE	MICROWAVE ENGINEERING	20	39	59	4
14891A0446	117GA	OPTICAL COMMUNICATIONS	20	34	54	4
14891A0447	11701	ADVANCED COMMUNICATION S	22	44	66	2
14891A0447	11733	MICROWAVE ENGINEERING AN	22	37	59	2

14891A0447	117BG	CELLULAR AND MOBILE COMM	14	7	21	0
14891A0447	117BY	COMPUTER NETWORKS	14	26	40	4
14891A0447	117CJ	DIGITAL IMAGE PROCESSING	12	14	26	0
14891A0447	117EG	MANAGEMENT SCIENCE	16	26	42	4
14891A0447	117FE	MICROWAVE ENGINEERING	15	26	41	4
14891A0447	117GA	OPTICAL COMMUNICATIONS	14	17	31	0
14891A0448	11701	ADVANCED COMMUNICATION S	23	46	69	2
14891A0448	11733	MICROWAVE ENGINEERING AN	24	43	67	2
14891A0448	117BG	CELLULAR AND MOBILE COMM	19	34	53	4
14891A0448	117BY	COMPUTER NETWORKS	17	27	44	4
14891A0448	117CJ	DIGITAL IMAGE PROCESSING	16	33	49	4
14891A0448	117EG	MANAGEMENT SCIENCE	16	33	49	4
14891A0448	117FE	MICROWAVE ENGINEERING	18	29	47	4
14891A0448	117GA	OPTICAL COMMUNICATIONS	18	31	49	4
14891A0449	11701	ADVANCED COMMUNICATION S	23	45	68	2
14891A0449	11733	MICROWAVE ENGINEERING AN	25	39	64	2
14891A0449	117BG	CELLULAR AND MOBILE COMM	22	44	66	4
14891A0449	117BY	COMPUTER NETWORKS	17	31	48	4
14891A0449	117CJ	DIGITAL IMAGE PROCESSING	18	38	56	4
14891A0449	117EG	MANAGEMENT SCIENCE	16	40	56	4
14891A0449	117FE	MICROWAVE ENGINEERING	18	37	55	4
14891A0449	117GA	OPTICAL COMMUNICATIONS	20	40	60	4
14891A0450	11701	ADVANCED COMMUNICATION S	23	46	69	2
14891A0450	11733	MICROWAVE ENGINEERING AN	25	46	71	2
14891A0450	117BG	CELLULAR AND MOBILE COMM	19	27	46	4
14891A0450	117BY	COMPUTER NETWORKS	18	29	47	4
14891A0450	117CJ	DIGITAL IMAGE PROCESSING	16	37	53	4
14891A0450	117EG	MANAGEMENT SCIENCE	20	32	52	4
14891A0450	117FE	MICROWAVE ENGINEERING	19	31	50	4
14891A0450	117GA	OPTICAL COMMUNICATIONS	19	38	57	4
14891A0451	11701	ADVANCED COMMUNICATION S	22	44	66	2
14891A0451	11733	MICROWAVE ENGINEERING AN	24	47	71	2
14891A0451	117BG	CELLULAR AND MOBILE COMM	17	18	35	0
14891A0451	117BY	COMPUTER NETWORKS	14	26	40	4
14891A0451	117CJ	DIGITAL IMAGE PROCESSING	14	6	20	0
14891A0451	117EG	MANAGEMENT SCIENCE	14	26	40	4
14891A0451	117FE	MICROWAVE ENGINEERING	18	28	46	4
14891A0451	117GA	OPTICAL COMMUNICATIONS	20	26	46	4
14891A0452	11701	ADVANCED COMMUNICATION S	21	45	66	2
14891A0452	11733	MICROWAVE ENGINEERING AN	24	44	68	2
14891A0452	117BG	CELLULAR AND MOBILE COMM	19	16	35	0
14891A0452	117BY	COMPUTER NETWORKS	17	30	47	4
14891A0452	117CJ	DIGITAL IMAGE PROCESSING	17	26	43	4
14891A0452	117EG	MANAGEMENT SCIENCE	18	35	53	4
14891A0452	117FE	MICROWAVE ENGINEERING	19	29	48	4
14891A0452	117GA	OPTICAL COMMUNICATIONS	18	17	35	0
14891A0453	11701	ADVANCED COMMUNICATION S	22	45	67	2
14891A0453	11733	MICROWAVE ENGINEERING AN	25	43	68	2
14891A0453	117BG	CELLULAR AND MOBILE COMM	22	42	64	4
14891A0453	117BY	COMPUTER NETWORKS	21	39	60	4

14891A0453	117CJ	DIGITAL IMAGE PROCESSING	20	39	59	4
14891A0453	117EG	MANAGEMENT SCIENCE	20	37	57	4
14891A0453	117FE	MICROWAVE ENGINEERING	19	46	65	4
14891A0453	117GA	OPTICAL COMMUNICATIONS	20	35	55	4
14891A0454	11701	ADVANCED COMMUNICATION S	23	46	69	2
14891A0454	11733	MICROWAVE ENGINEERING AN	25	43	68	2
14891A0454	117BG	CELLULAR AND MOBILE COMM	22	43	65	4
14891A0454	117BY	COMPUTER NETWORKS	21	41	62	4
14891A0454	117CJ	DIGITAL IMAGE PROCESSING	22	37	59	4
14891A0454	117EG	MANAGEMENT SCIENCE	21	40	61	4
14891A0454	117FE	MICROWAVE ENGINEERING	19	54	73	4
14891A0454	117GA	OPTICAL COMMUNICATIONS	21	38	59	4
14891A0455	11701	ADVANCED COMMUNICATION S	23	46	69	2
14891A0455	11733	MICROWAVE ENGINEERING AN	22	46	68	2
14891A0455	117BG	CELLULAR AND MOBILE COMM	20	26	46	4
14891A0455	117BY	COMPUTER NETWORKS	21	31	52	4
14891A0455	117CJ	DIGITAL IMAGE PROCESSING	19	43	62	4
14891A0455	117EG	MANAGEMENT SCIENCE	18	34	52	4
14891A0455	117FE	MICROWAVE ENGINEERING	17	41	58	4
14891A0455	117GA	OPTICAL COMMUNICATIONS	21	26	47	4
14891A0456	11701	ADVANCED COMMUNICATION S	22	44	66	2
14891A0456	11733	MICROWAVE ENGINEERING AN	20	39	59	2
14891A0456	117BG	CELLULAR AND MOBILE COMM	15	11	26	0
14891A0456	117BY	COMPUTER NETWORKS	13	17	30	0
14891A0456	117CJ	DIGITAL IMAGE PROCESSING	15	10	25	0
14891A0456	117EG	MANAGEMENT SCIENCE	13	28	41	4
14891A0456	117FE	MICROWAVE ENGINEERING	13	16	29	0
14891A0456	117GA	OPTICAL COMMUNICATIONS	14	6	20	0
14891A0457	11701	ADVANCED COMMUNICATION S	23	47	70	2
14891A0457	11733	MICROWAVE ENGINEERING AN	23	44	67	2
14891A0457	117BG	CELLULAR AND MOBILE COMM	18	11	29	0
14891A0457	117BY	COMPUTER NETWORKS	17	28	45	4
14891A0457	117CJ	DIGITAL IMAGE PROCESSING	16	26	42	4
14891A0457	117EG	MANAGEMENT SCIENCE	16	31	47	4
14891A0457	117FE	MICROWAVE ENGINEERING	15	33	48	4
14891A0457	117GA	OPTICAL COMMUNICATIONS	18	12	30	0
14891A0458	11701	ADVANCED COMMUNICATION S	22	44	66	2
14891A0458	11733	MICROWAVE ENGINEERING AN	25	42	67	2
14891A0458	117BG	CELLULAR AND MOBILE COMM	18	12	30	0
14891A0458	117BY	COMPUTER NETWORKS	16	27	43	4
14891A0458	117CJ	DIGITAL IMAGE PROCESSING	18	29	47	4
14891A0458	117EG	MANAGEMENT SCIENCE	15	33	48	4
14891A0458	117FE	MICROWAVE ENGINEERING	19	30	49	4
14891A0458	117GA	OPTICAL COMMUNICATIONS	20	26	46	4
14891A0459	11701	ADVANCED COMMUNICATION S	22	45	67	2
14891A0459	11733	MICROWAVE ENGINEERING AN	23	44	67	2
14891A0459	117BG	CELLULAR AND MOBILE COMM	18	29	47	4
14891A0459	117BY	COMPUTER NETWORKS	17	37	54	4
14891A0459	117CJ	DIGITAL IMAGE PROCESSING	16	59	75	4
14891A0459	117EG	MANAGEMENT SCIENCE	15	34	49	4

14891A0459	117FE	MICROWAVE ENGINEERING	19	47	66	4
14891A0459	117GA	OPTICAL COMMUNICATIONS	19	26	45	4
14891A0460	11701	ADVANCED COMMUNICATION S	22	45	67	2
14891A0460	11733	MICROWAVE ENGINEERING AN	22	44	66	2
14891A0460	117BG	CELLULAR AND MOBILE COMM	19	31	50	4
14891A0460	117BY	COMPUTER NETWORKS	15	27	42	4
14891A0460	117CJ	DIGITAL IMAGE PROCESSING	17	48	65	4
14891A0460	117EG	MANAGEMENT SCIENCE	18	37	55	4
14891A0460	117FE	MICROWAVE ENGINEERING	18	35	53	4
14891A0460	117GA	OPTICAL COMMUNICATIONS	21	26	47	4
14891A0461	11701	ADVANCED COMMUNICATION S	22	42	64	2
14891A0461	11733	MICROWAVE ENGINEERING AN	18	38	56	2
14891A0461	117BG	CELLULAR AND MOBILE COMM	18	6	24	0
14891A0461	117BY	COMPUTER NETWORKS	15	14	29	0
14891A0461	117CJ	DIGITAL IMAGE PROCESSING	13	46	59	4
14891A0461	117EG	MANAGEMENT SCIENCE	16	28	44	4
14891A0461	117FE	MICROWAVE ENGINEERING	14	2	16	0
14891A0461	117GA	OPTICAL COMMUNICATIONS	13	11	24	0
14891A0462	11701	ADVANCED COMMUNICATION S	23	45	68	2
14891A0462	11733	MICROWAVE ENGINEERING AN	20	43	63	2
14891A0462	117BG	CELLULAR AND MOBILE COMM	18	20	38	0
14891A0462	117BY	COMPUTER NETWORKS	20	26	46	4
14891A0462	117CJ	DIGITAL IMAGE PROCESSING	17	51	68	4
14891A0462	117EG	MANAGEMENT SCIENCE	16	31	47	4
14891A0462	117FE	MICROWAVE ENGINEERING	14	7	21	0
14891A0462	117GA	OPTICAL COMMUNICATIONS	16	26	42	4
14891A0463	11701	ADVANCED COMMUNICATION S	22	42	64	2
14891A0463	11733	MICROWAVE ENGINEERING AN	24	40	64	2
14891A0463	117BG	CELLULAR AND MOBILE COMM	19	9	28	0
14891A0463	117BY	COMPUTER NETWORKS	18	26	44	4
14891A0463	117CJ	DIGITAL IMAGE PROCESSING	15	56	71	4
14891A0463	117EG	MANAGEMENT SCIENCE	17	41	58	4
14891A0463	117FE	MICROWAVE ENGINEERING	17	26	43	4
14891A0463	117GA	OPTICAL COMMUNICATIONS	15	26	41	4
14891A0464	11701	ADVANCED COMMUNICATION S	20	45	65	2
14891A0464	11733	MICROWAVE ENGINEERING AN	25	48	73	2
14891A0464	117BG	CELLULAR AND MOBILE COMM	22	28	50	4
14891A0464	117BY	COMPUTER NETWORKS	23	34	57	4
14891A0464	117CJ	DIGITAL IMAGE PROCESSING	18	40	58	4
14891A0464	117EG	MANAGEMENT SCIENCE	18	31	49	4
14891A0464	117FE	MICROWAVE ENGINEERING	20	41	61	4
14891A0464	117GA	OPTICAL COMMUNICATIONS	21	32	53	4
14891A0465	11701	ADVANCED COMMUNICATION S	23	41	64	2
14891A0465	11733	MICROWAVE ENGINEERING AN	23	46	69	2
14891A0465	117BG	CELLULAR AND MOBILE COMM	19	27	46	4
14891A0465	117BY	COMPUTER NETWORKS	20	41	61	4
14891A0465	117CJ	DIGITAL IMAGE PROCESSING	13	54	67	4
14891A0465	117EG	MANAGEMENT SCIENCE	18	39	57	4
14891A0465	117FE	MICROWAVE ENGINEERING	17	40	57	4
14891A0465	117GA	OPTICAL COMMUNICATIONS	17	33	50	4

14891A0466	11701	ADVANCED COMMUNICATION S	22	40	62	2
14891A0466	11733	MICROWAVE ENGINEERING AN	19	43	62	2
14891A0466	117BG	CELLULAR AND MOBILE COMM	18	15	33	0
14891A0466	117BY	COMPUTER NETWORKS	20	34	54	4
14891A0466	117CJ	DIGITAL IMAGE PROCESSING	15	50	65	4
14891A0466	117EG	MANAGEMENT SCIENCE	17	27	44	4
14891A0466	117FE	MICROWAVE ENGINEERING	15	49	64	4
14891A0466	117GA	OPTICAL COMMUNICATIONS	15	26	41	4
14891A0467	11701	ADVANCED COMMUNICATION S	23	45	68	2
14891A0467	11733	MICROWAVE ENGINEERING AN	23	48	71	2
14891A0467	117BG	CELLULAR AND MOBILE COMM	20	26	46	4
14891A0467	117BY	COMPUTER NETWORKS	21	38	59	4
14891A0467	117CJ	DIGITAL IMAGE PROCESSING	15	48	63	4
14891A0467	117EG	MANAGEMENT SCIENCE	19	33	52	4
14891A0467	117FE	MICROWAVE ENGINEERING	18	40	58	4
14891A0467	117GA	OPTICAL COMMUNICATIONS	18	29	47	4
14891A0468	11701	ADVANCED COMMUNICATION S	22	41	63	2
14891A0468	11733	MICROWAVE ENGINEERING AN	20	44	64	2
14891A0468	117BG	CELLULAR AND MOBILE COMM	17	8	25	0
14891A0468	117BY	COMPUTER NETWORKS	18	26	44	4
14891A0468	117CJ	DIGITAL IMAGE PROCESSING	16	41	57	4
14891A0468	117EG	MANAGEMENT SCIENCE	15	26	41	4
14891A0468	117FE	MICROWAVE ENGINEERING	17	26	43	4
14891A0468	117GA	OPTICAL COMMUNICATIONS	14	13	27	0
14891A0469	11701	ADVANCED COMMUNICATION S	22	45	67	2
14891A0469	11733	MICROWAVE ENGINEERING AN	20	40	60	2
14891A0469	117BG	CELLULAR AND MOBILE COMM	15	27	42	4
14891A0469	117BY	COMPUTER NETWORKS	18	34	52	4
14891A0469	117CJ	DIGITAL IMAGE PROCESSING	13	56	69	4
14891A0469	117EG	MANAGEMENT SCIENCE	15	26	41	4
14891A0469	117FE	MICROWAVE ENGINEERING	18	32	50	4
14891A0469	117GA	OPTICAL COMMUNICATIONS	13	31	44	4
14891A0470	11701	ADVANCED COMMUNICATION S	22	43	65	2
14891A0470	11733	MICROWAVE ENGINEERING AN	21	46	67	2
14891A0470	117BG	CELLULAR AND MOBILE COMM	17	17	34	0
14891A0470	117BY	COMPUTER NETWORKS	18	30	48	4
14891A0470	117CJ	DIGITAL IMAGE PROCESSING	13	51	64	4
14891A0470	117EG	MANAGEMENT SCIENCE	17	37	54	4
14891A0470	117FE	MICROWAVE ENGINEERING	17	26	43	4
14891A0470	117GA	OPTICAL COMMUNICATIONS	17	16	33	0
14891A0471	11701	ADVANCED COMMUNICATION S	20	42	62	2
14891A0471	11733	MICROWAVE ENGINEERING AN	20	46	66	2
14891A0471	117BG	CELLULAR AND MOBILE COMM	20	31	51	4
14891A0471	117BY	COMPUTER NETWORKS	19	32	51	4
14891A0471	117CJ	DIGITAL IMAGE PROCESSING	16	57	73	4
14891A0471	117EG	MANAGEMENT SCIENCE	17	46	63	4
14891A0471	117FE	MICROWAVE ENGINEERING	18	43	61	4
14891A0471	117GA	OPTICAL COMMUNICATIONS	17	28	45	4
14891A0472	11701	ADVANCED COMMUNICATION S	23	45	68	2
14891A0472	11733	MICROWAVE ENGINEERING AN	22	40	62	2

14891A0472	117BG	CELLULAR AND MOBILE COMM	14	21	35	0
14891A0472	117BY	COMPUTER NETWORKS	15	32	47	4
14891A0472	117CJ	DIGITAL IMAGE PROCESSING	17	46	63	4
14891A0472	117EG	MANAGEMENT SCIENCE	16	33	49	4
14891A0472	117FE	MICROWAVE ENGINEERING	15	30	45	4
14891A0472	117GA	OPTICAL COMMUNICATIONS	16	16	32	0
14891A0473	11701	ADVANCED COMMUNICATION S	20	42	62	2
14891A0473	11733	MICROWAVE ENGINEERING AN	23	46	69	2
14891A0473	117BG	CELLULAR AND MOBILE COMM	18	21	39	0
14891A0473	117BY	COMPUTER NETWORKS	20	34	54	4
14891A0473	117CJ	DIGITAL IMAGE PROCESSING	17	47	64	4
14891A0473	117EG	MANAGEMENT SCIENCE	16	33	49	4
14891A0473	117FE	MICROWAVE ENGINEERING	16	29	45	4
14891A0473	117GA	OPTICAL COMMUNICATIONS	14	13	27	0
14891A0474	11701	ADVANCED COMMUNICATION S	19	40	59	2
14891A0474	11733	MICROWAVE ENGINEERING AN	19	42	61	2
14891A0474	117BG	CELLULAR AND MOBILE COMM	15	26	41	4
14891A0474	117BY	COMPUTER NETWORKS	19	28	47	4
14891A0474	117CJ	DIGITAL IMAGE PROCESSING	15	36	51	4
14891A0474	117EG	MANAGEMENT SCIENCE	17	26	43	4
14891A0474	117FE	MICROWAVE ENGINEERING	17	26	43	4
14891A0474	117GA	OPTICAL COMMUNICATIONS	13	9	22	0
14891A0475	11701	ADVANCED COMMUNICATION S	21	42	63	2
14891A0475	11733	MICROWAVE ENGINEERING AN	16	40	56	2
14891A0475	117BG	CELLULAR AND MOBILE COMM	18	13	31	0
14891A0475	117BY	COMPUTER NETWORKS	17	35	52	4
14891A0475	117CJ	DIGITAL IMAGE PROCESSING	14	39	53	4
14891A0475	117EG	MANAGEMENT SCIENCE	16	29	45	4
14891A0475	117FE	MICROWAVE ENGINEERING	16	36	52	4
14891A0475	117GA	OPTICAL COMMUNICATIONS	14	12	26	0
14891A0476	11701	ADVANCED COMMUNICATION S	19	45	64	2
14891A0476	11733	MICROWAVE ENGINEERING AN	24	48	72	2
14891A0476	117BG	CELLULAR AND MOBILE COMM	23	32	55	4
14891A0476	117BY	COMPUTER NETWORKS	23	34	57	4
14891A0476	117CJ	DIGITAL IMAGE PROCESSING	21	50	71	4
14891A0476	117EG	MANAGEMENT SCIENCE	19	31	50	4
14891A0476	117FE	MICROWAVE ENGINEERING	21	53	74	4
14891A0476	117GA	OPTICAL COMMUNICATIONS	22	37	59	4
14891A0477	11701	ADVANCED COMMUNICATION S	21	42	63	2
14891A0477	11733	MICROWAVE ENGINEERING AN	20	48	68	2
14891A0477	117BG	CELLULAR AND MOBILE COMM	19	35	54	4
14891A0477	117BY	COMPUTER NETWORKS	21	35	56	4
14891A0477	117CJ	DIGITAL IMAGE PROCESSING	15	33	48	4
14891A0477	117EG	MANAGEMENT SCIENCE	16	32	48	4
14891A0477	117FE	MICROWAVE ENGINEERING	16	30	46	4
14891A0477	117GA	OPTICAL COMMUNICATIONS	16	15	31	0
14891A0478	11701	ADVANCED COMMUNICATION S	19	42	61	2
14891A0478	11733	MICROWAVE ENGINEERING AN	22	48	70	2
14891A0478	117BG	CELLULAR AND MOBILE COMM	22	32	54	4
14891A0478	117BY	COMPUTER NETWORKS	22	29	51	4

14891A0478	117CJ	DIGITAL IMAGE PROCESSING	17	50	67	4
14891A0478	117EG	MANAGEMENT SCIENCE	17	31	48	4
14891A0478	117FE	MICROWAVE ENGINEERING	18	50	68	4
14891A0478	117GA	OPTICAL COMMUNICATIONS	17	17	34	0
14891A0479	11701	ADVANCED COMMUNICATION S	19	42	61	2
14891A0479	11733	MICROWAVE ENGINEERING AN	24	49	73	2
14891A0479	117BG	CELLULAR AND MOBILE COMM	20	36	56	4
14891A0479	117BY	COMPUTER NETWORKS	24	45	69	4
14891A0479	117CJ	DIGITAL IMAGE PROCESSING	19	57	76	4
14891A0479	117EG	MANAGEMENT SCIENCE	20	48	68	4
14891A0479	117FE	MICROWAVE ENGINEERING	18	51	69	4
14891A0479	117GA	OPTICAL COMMUNICATIONS	19	41	60	4
14891A0480	11701	ADVANCED COMMUNICATION S	19	41	60	2
14891A0480	11733	MICROWAVE ENGINEERING AN	25	48	73	2
14891A0480	117BG	CELLULAR AND MOBILE COMM	23	31	54	4
14891A0480	117BY	COMPUTER NETWORKS	22	29	51	4
14891A0480	117CJ	DIGITAL IMAGE PROCESSING	16	57	73	4
14891A0480	117EG	MANAGEMENT SCIENCE	19	32	51	4
14891A0480	117FE	MICROWAVE ENGINEERING	19	42	61	4
14891A0480	117GA	OPTICAL COMMUNICATIONS	20	27	47	4
14891A0481	11701	ADVANCED COMMUNICATION S	22	40	62	2
14891A0481	11733	MICROWAVE ENGINEERING AN	21	42	63	2
14891A0481	117BG	CELLULAR AND MOBILE COMM	17	26	43	4
14891A0481	117BY	COMPUTER NETWORKS	19	38	57	4
14891A0481	117CJ	DIGITAL IMAGE PROCESSING	14	44	58	4
14891A0481	117EG	MANAGEMENT SCIENCE	16	38	54	4
14891A0481	117FE	MICROWAVE ENGINEERING	13	27	40	4
14891A0481	117GA	OPTICAL COMMUNICATIONS	15	26	41	4
14891A0482	11701	ADVANCED COMMUNICATION S	19	42	61	2
14891A0482	11733	MICROWAVE ENGINEERING AN	23	46	69	2
14891A0482	117BG	CELLULAR AND MOBILE COMM	20	28	48	4
14891A0482	117BY	COMPUTER NETWORKS	22	42	64	4
14891A0482	117CJ	DIGITAL IMAGE PROCESSING	16	41	57	4
14891A0482	117EG	MANAGEMENT SCIENCE	17	32	49	4
14891A0482	117FE	MICROWAVE ENGINEERING	19	35	54	4
14891A0482	117GA	OPTICAL COMMUNICATIONS	22	39	61	4
14891A0483	11701	ADVANCED COMMUNICATION S	19	40	59	2
14891A0483	11733	MICROWAVE ENGINEERING AN	20	40	60	2
14891A0483	117BG	CELLULAR AND MOBILE COMM	13	5	18	0
14891A0483	117BY	COMPUTER NETWORKS	10	14	24	0
14891A0483	117CJ	DIGITAL IMAGE PROCESSING	10	4	14	0
14891A0483	117EG	MANAGEMENT SCIENCE	11	10	21	0
14891A0483	117FE	MICROWAVE ENGINEERING	7	0	7	0
14891A0483	117GA	OPTICAL COMMUNICATIONS	8	6	14	0
14891A0484	11701	ADVANCED COMMUNICATION S	22	42	64	2
14891A0484	11733	MICROWAVE ENGINEERING AN	22	45	67	2
14891A0484	117BG	CELLULAR AND MOBILE COMM	21	18	39	0
14891A0484	117BY	COMPUTER NETWORKS	19	42	61	4
14891A0484	117CJ	DIGITAL IMAGE PROCESSING	15	53	68	4
14891A0484	117EG	MANAGEMENT SCIENCE	18	38	56	4

14891A0484	117FE	MICROWAVE ENGINEERING	17	43	60	4
14891A0484	117GA	OPTICAL COMMUNICATIONS	17	36	53	4
14891A0485	11701	ADVANCED COMMUNICATION S	24	45	69	2
14891A0485	11733	MICROWAVE ENGINEERING AN	22	42	64	2
14891A0485	117BG	CELLULAR AND MOBILE COMM	18	29	47	4
14891A0485	117BY	COMPUTER NETWORKS	22	41	63	4
14891A0485	117CJ	DIGITAL IMAGE PROCESSING	18	32	50	4
14891A0485	117EG	MANAGEMENT SCIENCE	17	44	61	4
14891A0485	117FE	MICROWAVE ENGINEERING	14	26	40	4
14891A0485	117GA	OPTICAL COMMUNICATIONS	15	17	32	0
14891A0486	11701	ADVANCED COMMUNICATION S	23	45	68	2
14891A0486	11733	MICROWAVE ENGINEERING AN	22	48	70	2
14891A0486	117BG	CELLULAR AND MOBILE COMM	21	44	65	4
14891A0486	117BY	COMPUTER NETWORKS	22	45	67	4
14891A0486	117CJ	DIGITAL IMAGE PROCESSING	21	49	70	4
14891A0486	117EG	MANAGEMENT SCIENCE	18	44	62	4
14891A0486	117FE	MICROWAVE ENGINEERING	20	47	67	4
14891A0486	117GA	OPTICAL COMMUNICATIONS	21	30	51	4
14891A0487	11701	ADVANCED COMMUNICATION S	20	40	60	2
14891A0487	11733	MICROWAVE ENGINEERING AN	18	43	61	2
14891A0487	117BG	CELLULAR AND MOBILE COMM	17	26	43	4
14891A0487	117BY	COMPUTER NETWORKS	19	46	65	4
14891A0487	117CJ	DIGITAL IMAGE PROCESSING	14	44	58	4
14891A0487	117EG	MANAGEMENT SCIENCE	17	40	57	4
14891A0487	117FE	MICROWAVE ENGINEERING	14	30	44	4
14891A0487	117GA	OPTICAL COMMUNICATIONS	15	32	47	4
14891A0488	11701	ADVANCED COMMUNICATION S	19	42	61	2
14891A0488	11733	MICROWAVE ENGINEERING AN	25	48	73	2
14891A0488	117BG	CELLULAR AND MOBILE COMM	20	29	49	4
14891A0488	117BY	COMPUTER NETWORKS	23	37	60	4
14891A0488	117CJ	DIGITAL IMAGE PROCESSING	20	45	65	4
14891A0488	117EG	MANAGEMENT SCIENCE	20	52	72	4
14891A0488	117FE	MICROWAVE ENGINEERING	16	45	61	4
14891A0488	117GA	OPTICAL COMMUNICATIONS	17	34	51	4
14891A0489	11701	ADVANCED COMMUNICATION S	20	45	65	2
14891A0489	11733	MICROWAVE ENGINEERING AN	24	48	72	2
14891A0489	117BG	CELLULAR AND MOBILE COMM	22	35	57	4
14891A0489	117BY	COMPUTER NETWORKS	24	46	70	4
14891A0489	117CJ	DIGITAL IMAGE PROCESSING	19	38	57	4
14891A0489	117EG	MANAGEMENT SCIENCE	19	43	62	4
14891A0489	117FE	MICROWAVE ENGINEERING	19	36	55	4
14891A0489	117GA	OPTICAL COMMUNICATIONS	19	40	59	4
14891A0490	11701	ADVANCED COMMUNICATION S	21	42	63	2
14891A0490	11733	MICROWAVE ENGINEERING AN	21	47	68	2
14891A0490	117BG	CELLULAR AND MOBILE COMM	21	29	50	4
14891A0490	117BY	COMPUTER NETWORKS	21	36	57	4
14891A0490	117CJ	DIGITAL IMAGE PROCESSING	20	36	56	4
14891A0490	117EG	MANAGEMENT SCIENCE	20	37	57	4
14891A0490	117FE	MICROWAVE ENGINEERING	20	37	57	4
14891A0490	117GA	OPTICAL COMMUNICATIONS	21	35	56	4

14891A0491	11701	ADVANCED COMMUNICATION S	19	41	60	2
14891A0491	11733	MICROWAVE ENGINEERING AN	23	47	70	2
14891A0491	117BG	CELLULAR AND MOBILE COMM	22	29	51	4
14891A0491	117BY	COMPUTER NETWORKS	22	33	55	4
14891A0491	117CJ	DIGITAL IMAGE PROCESSING	17	29	46	4
14891A0491	117EG	MANAGEMENT SCIENCE	18	41	59	4
14891A0491	117FE	MICROWAVE ENGINEERING	17	35	52	4
14891A0491	117GA	OPTICAL COMMUNICATIONS	19	41	60	4
14891A0492	11701	ADVANCED COMMUNICATION S	19	43	62	2
14891A0492	11733	MICROWAVE ENGINEERING AN	24	46	70	2
14891A0492	117BG	CELLULAR AND MOBILE COMM	22	29	51	4
14891A0492	117BY	COMPUTER NETWORKS	24	35	59	4
14891A0492	117CJ	DIGITAL IMAGE PROCESSING	19	33	52	4
14891A0492	117EG	MANAGEMENT SCIENCE	20	41	61	4
14891A0492	117FE	MICROWAVE ENGINEERING	18	47	65	4
14891A0492	117GA	OPTICAL COMMUNICATIONS	20	42	62	4
14891A0493	11701	ADVANCED COMMUNICATION S	18	39	57	2
14891A0493	11733	MICROWAVE ENGINEERING AN	19	41	60	2
14891A0493	117BG	CELLULAR AND MOBILE COMM	15	12	27	0
14891A0493	117BY	COMPUTER NETWORKS	19	35	54	4
14891A0493	117CJ	DIGITAL IMAGE PROCESSING	14	32	46	4
14891A0493	117EG	MANAGEMENT SCIENCE	16	26	42	4
14891A0493	117FE	MICROWAVE ENGINEERING	16	26	42	4
14891A0493	117GA	OPTICAL COMMUNICATIONS	14	35	49	4
14891A0494	11701	ADVANCED COMMUNICATION S	21	42	63	2
14891A0494	11733	MICROWAVE ENGINEERING AN	22	48	70	2
14891A0494	117BG	CELLULAR AND MOBILE COMM	20	30	50	4
14891A0494	117BY	COMPUTER NETWORKS	24	33	57	4
14891A0494	117CJ	DIGITAL IMAGE PROCESSING	17	35	52	4
14891A0494	117EG	MANAGEMENT SCIENCE	18	35	53	4
14891A0494	117FE	MICROWAVE ENGINEERING	16	34	50	4
14891A0494	117GA	OPTICAL COMMUNICATIONS	17	44	61	4
14891A0495	11701	ADVANCED COMMUNICATION S	21	40	61	2
14891A0495	11733	MICROWAVE ENGINEERING AN	19	45	64	2
14891A0495	117BG	CELLULAR AND MOBILE COMM	15	12	27	0
14891A0495	117BY	COMPUTER NETWORKS	18	34	52	4
14891A0495	117CJ	DIGITAL IMAGE PROCESSING	18	34	52	4
14891A0495	117EG	MANAGEMENT SCIENCE	15	39	54	4
14891A0495	117FE	MICROWAVE ENGINEERING	15	36	51	4
14891A0495	117GA	OPTICAL COMMUNICATIONS	16	36	52	4
14891A0496	11701	ADVANCED COMMUNICATION S	21	41	62	2
14891A0496	11733	MICROWAVE ENGINEERING AN	22	45	67	2
14891A0496	117BG	CELLULAR AND MOBILE COMM	18	29	47	4
14891A0496	117BY	COMPUTER NETWORKS	19	38	57	4
14891A0496	117CJ	DIGITAL IMAGE PROCESSING	15	35	50	4
14891A0496	117EG	MANAGEMENT SCIENCE	17	33	50	4
14891A0496	117FE	MICROWAVE ENGINEERING	16	32	48	4
14891A0496	117GA	OPTICAL COMMUNICATIONS	16	33	49	4
14891A0497	11701	ADVANCED COMMUNICATION S	18	45	63	2
14891A0497	11733	MICROWAVE ENGINEERING AN	22	48	70	2

14891A0497	117BG	CELLULAR AND MOBILE COMM	20	31	51	4
14891A0497	117BY	COMPUTER NETWORKS	22	36	58	4
14891A0497	117CJ	DIGITAL IMAGE PROCESSING	18	37	55	4
14891A0497	117EG	MANAGEMENT SCIENCE	17	43	60	4
14891A0497	117FE	MICROWAVE ENGINEERING	17	51	68	4
14891A0497	117GA	OPTICAL COMMUNICATIONS	18	33	51	4
14891A0498	11701	ADVANCED COMMUNICATION S	19	41	60	2
14891A0498	11733	MICROWAVE ENGINEERING AN	25	49	74	2
14891A0498	117BG	CELLULAR AND MOBILE COMM	24	34	58	4
14891A0498	117BY	COMPUTER NETWORKS	23	44	67	4
14891A0498	117CJ	DIGITAL IMAGE PROCESSING	21	36	57	4
14891A0498	117EG	MANAGEMENT SCIENCE	19	34	53	4
14891A0498	117FE	MICROWAVE ENGINEERING	20	43	63	4
14891A0498	117GA	OPTICAL COMMUNICATIONS	21	55	76	4
14891A0499	11701	ADVANCED COMMUNICATION S	19	44	63	2
14891A0499	11733	MICROWAVE ENGINEERING AN	25	49	74	2
14891A0499	117BG	CELLULAR AND MOBILE COMM	22	33	55	4
14891A0499	117BY	COMPUTER NETWORKS	24	34	58	4
14891A0499	117CJ	DIGITAL IMAGE PROCESSING	22	41	63	4
14891A0499	117EG	MANAGEMENT SCIENCE	20	37	57	4
14891A0499	117FE	MICROWAVE ENGINEERING	21	32	53	4
14891A0499	117GA	OPTICAL COMMUNICATIONS	23	31	54	4
14891A04A1	11701	ADVANCED COMMUNICATION S	22	43	65	2
14891A04A1	11733	MICROWAVE ENGINEERING AN	23	46	69	2
14891A04A1	117BG	CELLULAR AND MOBILE COMM	20	33	53	4
14891A04A1	117BY	COMPUTER NETWORKS	21	28	49	4
14891A04A1	117CJ	DIGITAL IMAGE PROCESSING	17	32	49	4
14891A04A1	117EG	MANAGEMENT SCIENCE	15	29	44	4
14891A04A1	117FE	MICROWAVE ENGINEERING	15	34	49	4
14891A04A1	117GA	OPTICAL COMMUNICATIONS	18	29	47	4
14891A04A2	11701	ADVANCED COMMUNICATION S	22	41	63	2
14891A04A2	11733	MICROWAVE ENGINEERING AN	23	45	68	2
14891A04A2	117BG	CELLULAR AND MOBILE COMM	21	40	61	4
14891A04A2	117BY	COMPUTER NETWORKS	23	33	56	4
14891A04A2	117CJ	DIGITAL IMAGE PROCESSING	21	39	60	4
14891A04A2	117EG	MANAGEMENT SCIENCE	18	38	56	4
14891A04A2	117FE	MICROWAVE ENGINEERING	18	40	58	4
14891A04A2	117GA	OPTICAL COMMUNICATIONS	21	31	52	4
14891A04A3	11701	ADVANCED COMMUNICATION S	22	42	64	2
14891A04A3	11733	MICROWAVE ENGINEERING AN	23	46	69	2
14891A04A3	117BG	CELLULAR AND MOBILE COMM	21	31	52	4
14891A04A3	117BY	COMPUTER NETWORKS	22	29	51	4
14891A04A3	117CJ	DIGITAL IMAGE PROCESSING	15	26	41	4
14891A04A3	117EG	MANAGEMENT SCIENCE	15	33	48	4
14891A04A3	117FE	MICROWAVE ENGINEERING	18	30	48	4
14891A04A3	117GA	OPTICAL COMMUNICATIONS	19	28	47	4
14891A04A4	11701	ADVANCED COMMUNICATION S	21	41	62	2
14891A04A4	11733	MICROWAVE ENGINEERING AN	21	46	67	2
14891A04A4	117BG	CELLULAR AND MOBILE COMM	19	33	52	4
14891A04A4	117BY	COMPUTER NETWORKS	18	32	50	4

14891A04A4	117CJ	DIGITAL IMAGE PROCESSING	16	32	48	4
14891A04A4	117EG	MANAGEMENT SCIENCE	17	26	43	4
14891A04A4	117FE	MICROWAVE ENGINEERING	16	38	54	4
14891A04A4	117GA	OPTICAL COMMUNICATIONS	17	27	44	4
14891A04A5	11701	ADVANCED COMMUNICATION S	20	40	60	2
14891A04A5	11733	MICROWAVE ENGINEERING AN	19	45	64	2
14891A04A5	117BG	CELLULAR AND MOBILE COMM	20	37	57	4
14891A04A5	117BY	COMPUTER NETWORKS	16	26	42	4
14891A04A5	117CJ	DIGITAL IMAGE PROCESSING	13	29	42	4
14891A04A5	117EG	MANAGEMENT SCIENCE	16	27	43	4
14891A04A5	117FE	MICROWAVE ENGINEERING	16	29	45	4
14891A04A5	117GA	OPTICAL COMMUNICATIONS	17	15	32	0
14891A04A6	11701	ADVANCED COMMUNICATION S	19	43	62	2
14891A04A6	11733	MICROWAVE ENGINEERING AN	22	43	65	2
14891A04A6	117BG	CELLULAR AND MOBILE COMM	22	40	62	4
14891A04A6	117BY	COMPUTER NETWORKS	23	33	56	4
14891A04A6	117CJ	DIGITAL IMAGE PROCESSING	16	34	50	4
14891A04A6	117EG	MANAGEMENT SCIENCE	16	36	52	4
14891A04A6	117FE	MICROWAVE ENGINEERING	18	51	69	4
14891A04A6	117GA	OPTICAL COMMUNICATIONS	20	26	46	4
14891A04A7	11701	ADVANCED COMMUNICATION S	20	46	66	2
14891A04A7	11733	MICROWAVE ENGINEERING AN	23	46	69	2
14891A04A7	117BG	CELLULAR AND MOBILE COMM	20	26	46	4
14891A04A7	117BY	COMPUTER NETWORKS	21	29	50	4
14891A04A7	117CJ	DIGITAL IMAGE PROCESSING	19	33	52	4
14891A04A7	117EG	MANAGEMENT SCIENCE	18	28	46	4
14891A04A7	117FE	MICROWAVE ENGINEERING	18	40	58	4
14891A04A7	117GA	OPTICAL COMMUNICATIONS	19	11	30	0
14891A04A8	11701	ADVANCED COMMUNICATION S	19	42	61	2
14891A04A8	11733	MICROWAVE ENGINEERING AN	20	46	66	2
14891A04A8	117BG	CELLULAR AND MOBILE COMM	17	32	49	4
14891A04A8	117BY	COMPUTER NETWORKS	17	30	47	4
14891A04A8	117CJ	DIGITAL IMAGE PROCESSING	12	28	40	4
14891A04A8	117EG	MANAGEMENT SCIENCE	16	26	42	4
14891A04A8	117FE	MICROWAVE ENGINEERING	14	28	42	4
14891A04A8	117GA	OPTICAL COMMUNICATIONS	14	13	27	0
14891A04A9	11701	ADVANCED COMMUNICATION S	21	41	62	2
14891A04A9	11733	MICROWAVE ENGINEERING AN	22	44	66	2
14891A04A9	117BG	CELLULAR AND MOBILE COMM	19	34	53	4
14891A04A9	117BY	COMPUTER NETWORKS	18	29	47	4
14891A04A9	117CJ	DIGITAL IMAGE PROCESSING	15	29	44	4
14891A04A9	117EG	MANAGEMENT SCIENCE	16	34	50	4
14891A04A9	117FE	MICROWAVE ENGINEERING	16	28	44	4
14891A04A9	117GA	OPTICAL COMMUNICATIONS	14	26	40	4
14891A04B0	11701	ADVANCED COMMUNICATION S	22	45	67	2
14891A04B0	11733	MICROWAVE ENGINEERING AN	24	48	72	2
14891A04B0	117BG	CELLULAR AND MOBILE COMM	21	41	62	4
14891A04B0	117BY	COMPUTER NETWORKS	24	33	57	4
14891A04B0	117CJ	DIGITAL IMAGE PROCESSING	18	37	55	4
14891A04B0	117EG	MANAGEMENT SCIENCE	18	41	59	4

14891A04B0	117FE	MICROWAVE ENGINEERING	18	48	66	4
14891A04B0	117GA	OPTICAL COMMUNICATIONS	20	29	49	4
14891A04B1	11701	ADVANCED COMMUNICATION S	19	44	63	2
14891A04B1	11733	MICROWAVE ENGINEERING AN	24	48	72	2
14891A04B1	117BG	CELLULAR AND MOBILE COMM	23	31	54	4
14891A04B1	117BY	COMPUTER NETWORKS	21	47	68	4
14891A04B1	117CJ	DIGITAL IMAGE PROCESSING	19	55	74	4
14891A04B1	117EG	MANAGEMENT SCIENCE	21	54	75	4
14891A04B1	117FE	MICROWAVE ENGINEERING	20	42	62	4
14891A04B1	117GA	OPTICAL COMMUNICATIONS	22	35	57	4
14891A04B2	11701	ADVANCED COMMUNICATION S	21	42	63	2
14891A04B2	11733	MICROWAVE ENGINEERING AN	22	45	67	2
14891A04B2	117BG	CELLULAR AND MOBILE COMM	20	27	47	4
14891A04B2	117BY	COMPUTER NETWORKS	18	36	54	4
14891A04B2	117CJ	DIGITAL IMAGE PROCESSING	15	46	61	4
14891A04B2	117EG	MANAGEMENT SCIENCE	17	35	52	4
14891A04B2	117FE	MICROWAVE ENGINEERING	15	34	49	4
14891A04B2	117GA	OPTICAL COMMUNICATIONS	15	34	49	4
14891A04B3	11701	ADVANCED COMMUNICATION S	24	47	71	2
14891A04B3	11733	MICROWAVE ENGINEERING AN	22	47	69	2
14891A04B3	117BG	CELLULAR AND MOBILE COMM	21	31	52	4
14891A04B3	117BY	COMPUTER NETWORKS	23	49	72	4
14891A04B3	117CJ	DIGITAL IMAGE PROCESSING	16	32	48	4
14891A04B3	117EG	MANAGEMENT SCIENCE	19	51	70	4
14891A04B3	117FE	MICROWAVE ENGINEERING	14	40	54	4
14891A04B3	117GA	OPTICAL COMMUNICATIONS	17	45	62	4
14891A04B4	11701	ADVANCED COMMUNICATION S	18	43	61	2
14891A04B4	11733	MICROWAVE ENGINEERING AN	25	47	72	2
14891A04B4	117BG	CELLULAR AND MOBILE COMM	19	37	56	4
14891A04B4	117BY	COMPUTER NETWORKS	21	44	65	4
14891A04B4	117CJ	DIGITAL IMAGE PROCESSING	18	36	54	4
14891A04B4	117EG	MANAGEMENT SCIENCE	17	47	64	4
14891A04B4	117FE	MICROWAVE ENGINEERING	17	45	62	4
14891A04B4	117GA	OPTICAL COMMUNICATIONS	18	36	54	4
14891A04B5	11701	ADVANCED COMMUNICATION S	20	43	63	2
14891A04B5	11733	MICROWAVE ENGINEERING AN	16	37	53	2
14891A04B5	117BG	CELLULAR AND MOBILE COMM	14	31	45	4
14891A04B5	117BY	COMPUTER NETWORKS	21	33	54	4
14891A04B5	117CJ	DIGITAL IMAGE PROCESSING	14	26	40	4
14891A04B5	117EG	MANAGEMENT SCIENCE	16	29	45	4
14891A04B5	117FE	MICROWAVE ENGINEERING	13	27	40	4
14891A04B5	117GA	OPTICAL COMMUNICATIONS	13	11	24	0
14891A04B6	11701	ADVANCED COMMUNICATION S	21	43	64	2
14891A04B6	11733	MICROWAVE ENGINEERING AN	21	45	66	2
14891A04B6	117BG	CELLULAR AND MOBILE COMM	20	27	47	4
14891A04B6	117BY	COMPUTER NETWORKS	15	40	55	4
14891A04B6	117CJ	DIGITAL IMAGE PROCESSING	15	37	52	4
14891A04B6	117EG	MANAGEMENT SCIENCE	14	40	54	4
14891A04B6	117FE	MICROWAVE ENGINEERING	16	26	42	4
14891A04B6	117GA	OPTICAL COMMUNICATIONS	14	16	30	0

14891A04B7	11701	ADVANCED COMMUNICATION S	20	44	64	2
14891A04B7	11733	MICROWAVE ENGINEERING AN	23	48	71	2
14891A04B7	117BG	CELLULAR AND MOBILE COMM	21	40	61	4
14891A04B7	117BY	COMPUTER NETWORKS	22	45	67	4
14891A04B7	117CJ	DIGITAL IMAGE PROCESSING	18	36	54	4
14891A04B7	117EG	MANAGEMENT SCIENCE	17	40	57	4
14891A04B7	117FE	MICROWAVE ENGINEERING	17	33	50	4
14891A04B7	117GA	OPTICAL COMMUNICATIONS	15	15	30	0
14891A04B8	11701	ADVANCED COMMUNICATION S	19	44	63	2
14891A04B8	11733	MICROWAVE ENGINEERING AN	20	40	60	2
14891A04B8	117BG	CELLULAR AND MOBILE COMM	15	31	46	4
14891A04B8	117BY	COMPUTER NETWORKS	18	26	44	4
14891A04B8	117CJ	DIGITAL IMAGE PROCESSING	14	27	41	4
14891A04B8	117EG	MANAGEMENT SCIENCE	14	35	49	4
14891A04B8	117FE	MICROWAVE ENGINEERING	19	33	52	4
14891A04B8	117GA	OPTICAL COMMUNICATIONS	17	32	49	4
14891A04B9	11701	ADVANCED COMMUNICATION S	19	43	62	2
14891A04B9	11733	MICROWAVE ENGINEERING AN	21	47	68	2
14891A04B9	117BG	CELLULAR AND MOBILE COMM	18	33	51	4
14891A04B9	117BY	COMPUTER NETWORKS	20	33	53	4
14891A04B9	117CJ	DIGITAL IMAGE PROCESSING	14	28	42	4
14891A04B9	117EG	MANAGEMENT SCIENCE	15	29	44	4
14891A04B9	117FE	MICROWAVE ENGINEERING	13	31	44	4
14891A04B9	117GA	OPTICAL COMMUNICATIONS	16	26	42	4
14891A04C0	11701	ADVANCED COMMUNICATION S	22	48	70	2
14891A04C0	11733	MICROWAVE ENGINEERING AN	20	45	65	2
14891A04C0	117BG	CELLULAR AND MOBILE COMM	16	31	47	4
14891A04C0	117BY	COMPUTER NETWORKS	19	36	55	4
14891A04C0	117CJ	DIGITAL IMAGE PROCESSING	12	28	40	4
14891A04C0	117EG	MANAGEMENT SCIENCE	17	30	47	4
14891A04C0	117FE	MICROWAVE ENGINEERING	14	14	28	0
14891A04C0	117GA	OPTICAL COMMUNICATIONS	12	28	40	4
14891A04C1	11701	ADVANCED COMMUNICATION S	23	45	68	2
14891A04C1	11733	MICROWAVE ENGINEERING AN	24	46	70	2
14891A04C1	117BG	CELLULAR AND MOBILE COMM	22	35	57	4
14891A04C1	117BY	COMPUTER NETWORKS	20	43	63	4
14891A04C1	117CJ	DIGITAL IMAGE PROCESSING	19	38	57	4
14891A04C1	117EG	MANAGEMENT SCIENCE	19	30	49	4
14891A04C1	117FE	MICROWAVE ENGINEERING	22	39	61	4
14891A04C1	117GA	OPTICAL COMMUNICATIONS	20	37	57	4
14891A04C2	11701	ADVANCED COMMUNICATION S	24	47	71	2
14891A04C2	11733	MICROWAVE ENGINEERING AN	22	47	69	2
14891A04C2	117BG	CELLULAR AND MOBILE COMM	20	36	56	4
14891A04C2	117BY	COMPUTER NETWORKS	15	43	58	4
14891A04C2	117CJ	DIGITAL IMAGE PROCESSING	15	48	63	4
14891A04C2	117EG	MANAGEMENT SCIENCE	19	30	49	4
14891A04C2	117FE	MICROWAVE ENGINEERING	17	45	62	4
14891A04C2	117GA	OPTICAL COMMUNICATIONS	17	58	75	4
14891A04C3	11701	ADVANCED COMMUNICATION S	23	45	68	2
14891A04C3	11733	MICROWAVE ENGINEERING AN	22	43	65	2

14891A04C3	117BG	CELLULAR AND MOBILE COMM	17	19	36	0
14891A04C3	117BY	COMPUTER NETWORKS	19	-1	19	0
14891A04C3	117CJ	DIGITAL IMAGE PROCESSING	17	-1	17	0
14891A04C3	117EG	MANAGEMENT SCIENCE	16	31	47	4
14891A04C3	117FE	MICROWAVE ENGINEERING	18	32	50	4
14891A04C3	117GA	OPTICAL COMMUNICATIONS	17	57	74	4
14891A04C4	11701	ADVANCED COMMUNICATION S	24	45	69	2
14891A04C4	11733	MICROWAVE ENGINEERING AN	21	35	56	2
14891A04C4	117BG	CELLULAR AND MOBILE COMM	16	17	33	0
14891A04C4	117BY	COMPUTER NETWORKS	13	18	31	0
14891A04C4	117CJ	DIGITAL IMAGE PROCESSING	12	28	40	4
14891A04C4	117EG	MANAGEMENT SCIENCE	13	10	23	0
14891A04C4	117FE	MICROWAVE ENGINEERING	17	2	19	0
14891A04C4	117GA	OPTICAL COMMUNICATIONS	9	12	21	0
14891A04C5	11701	ADVANCED COMMUNICATION S	23	45	68	2
14891A04C5	11733	MICROWAVE ENGINEERING AN	21	39	60	2
14891A04C5	117BG	CELLULAR AND MOBILE COMM	15	32	47	4
14891A04C5	117BY	COMPUTER NETWORKS	14	41	55	4
14891A04C5	117CJ	DIGITAL IMAGE PROCESSING	13	36	49	4
14891A04C5	117EG	MANAGEMENT SCIENCE	16	32	48	4
14891A04C5	117FE	MICROWAVE ENGINEERING	15	30	45	4
14891A04C5	117GA	OPTICAL COMMUNICATIONS	14	26	40	4
14891A04C6	11701	ADVANCED COMMUNICATION S	23	45	68	2
14891A04C6	11733	MICROWAVE ENGINEERING AN	22	48	70	2
14891A04C6	117BG	CELLULAR AND MOBILE COMM	15	31	46	4
14891A04C6	117BY	COMPUTER NETWORKS	17	30	47	4
14891A04C6	117CJ	DIGITAL IMAGE PROCESSING	16	32	48	4
14891A04C6	117EG	MANAGEMENT SCIENCE	15	30	45	4
14891A04C6	117FE	MICROWAVE ENGINEERING	20	6	26	0
14891A04C6	117GA	OPTICAL COMMUNICATIONS	15	32	47	4
14891A04C7	11701	ADVANCED COMMUNICATION S	23	44	67	2
14891A04C7	11733	MICROWAVE ENGINEERING AN	23	46	69	2
14891A04C7	117BG	CELLULAR AND MOBILE COMM	15	33	48	4
14891A04C7	117BY	COMPUTER NETWORKS	15	36	51	4
14891A04C7	117CJ	DIGITAL IMAGE PROCESSING	15	42	57	4
14891A04C7	117EG	MANAGEMENT SCIENCE	15	30	45	4
14891A04C7	117FE	MICROWAVE ENGINEERING	19	37	56	4
14891A04C7	117GA	OPTICAL COMMUNICATIONS	16	32	48	4
14891A04C8	11701	ADVANCED COMMUNICATION S	24	47	71	2
14891A04C8	11733	MICROWAVE ENGINEERING AN	25	50	75	2
14891A04C8	117BG	CELLULAR AND MOBILE COMM	21	35	56	4
14891A04C8	117BY	COMPUTER NETWORKS	20	38	58	4
14891A04C8	117CJ	DIGITAL IMAGE PROCESSING	16	56	72	4
14891A04C8	117EG	MANAGEMENT SCIENCE	19	32	51	4
14891A04C8	117FE	MICROWAVE ENGINEERING	19	49	68	4
14891A04C8	117GA	OPTICAL COMMUNICATIONS	17	54	71	4
14891A04C9	11701	ADVANCED COMMUNICATION S	22	45	67	2
14891A04C9	11733	MICROWAVE ENGINEERING AN	21	44	65	2
14891A04C9	117BG	CELLULAR AND MOBILE COMM	17	30	47	4
14891A04C9	117BY	COMPUTER NETWORKS	14	26	40	4

14891A04C9	117CJ	DIGITAL IMAGE PROCESSING	13	27	40	4
14891A04C9	117EG	MANAGEMENT SCIENCE	14	26	40	4
14891A04C9	117FE	MICROWAVE ENGINEERING	18	26	44	4
14891A04C9	117GA	OPTICAL COMMUNICATIONS	15	28	43	4
14891A04D0	11701	ADVANCED COMMUNICATION S	24	48	72	2
14891A04D0	11733	MICROWAVE ENGINEERING AN	24	50	74	2
14891A04D0	117BG	CELLULAR AND MOBILE COMM	20	19	39	0
14891A04D0	117BY	COMPUTER NETWORKS	17	29	46	4
14891A04D0	117CJ	DIGITAL IMAGE PROCESSING	16	40	56	4
14891A04D0	117EG	MANAGEMENT SCIENCE	19	39	58	4
14891A04D0	117FE	MICROWAVE ENGINEERING	18	36	54	4
14891A04D0	117GA	OPTICAL COMMUNICATIONS	19	32	51	4
14891A04D1	11701	ADVANCED COMMUNICATION S	19	43	62	2
14891A04D1	11733	MICROWAVE ENGINEERING AN	21	38	59	2
14891A04D1	117BG	CELLULAR AND MOBILE COMM	16	18	34	0
14891A04D1	117BY	COMPUTER NETWORKS	11	29	40	4
14891A04D1	117CJ	DIGITAL IMAGE PROCESSING	14	32	46	4
14891A04D1	117EG	MANAGEMENT SCIENCE	14	30	44	4
14891A04D1	117FE	MICROWAVE ENGINEERING	15	32	47	4
14891A04D1	117GA	OPTICAL COMMUNICATIONS	14	26	40	4
14891A04D2	11701	ADVANCED COMMUNICATION S	24	44	68	2
14891A04D2	11733	MICROWAVE ENGINEERING AN	24	49	73	2
14891A04D2	117BG	CELLULAR AND MOBILE COMM	20	34	54	4
14891A04D2	117BY	COMPUTER NETWORKS	21	35	56	4
14891A04D2	117CJ	DIGITAL IMAGE PROCESSING	20	38	58	4
14891A04D2	117EG	MANAGEMENT SCIENCE	20	38	58	4
14891A04D2	117FE	MICROWAVE ENGINEERING	20	38	58	4
14891A04D2	117GA	OPTICAL COMMUNICATIONS	20	43	63	4
14891A04D3	11701	ADVANCED COMMUNICATION S	24	46	70	2
14891A04D3	11733	MICROWAVE ENGINEERING AN	22	42	64	2
14891A04D3	117BG	CELLULAR AND MOBILE COMM	15	17	32	0
14891A04D3	117BY	COMPUTER NETWORKS	14	29	43	4
14891A04D3	117CJ	DIGITAL IMAGE PROCESSING	14	41	55	4
14891A04D3	117EG	MANAGEMENT SCIENCE	15	26	41	4
14891A04D3	117FE	MICROWAVE ENGINEERING	17	32	49	4
14891A04D3	117GA	OPTICAL COMMUNICATIONS	11	18	29	0
14891A04D4	11701	ADVANCED COMMUNICATION S	24	45	69	2
14891A04D4	11733	MICROWAVE ENGINEERING AN	23	48	71	2
14891A04D4	117BG	CELLULAR AND MOBILE COMM	19	26	45	4
14891A04D4	117BY	COMPUTER NETWORKS	14	31	45	4
14891A04D4	117CJ	DIGITAL IMAGE PROCESSING	14	46	60	4
14891A04D4	117EG	MANAGEMENT SCIENCE	17	28	45	4
14891A04D4	117FE	MICROWAVE ENGINEERING	16	27	43	4
14891A04D4	117GA	OPTICAL COMMUNICATIONS	15	27	42	4
14891A04D5	11701	ADVANCED COMMUNICATION S	24	48	72	2
14891A04D5	11733	MICROWAVE ENGINEERING AN	23	48	71	2
14891A04D5	117BG	CELLULAR AND MOBILE COMM	20	26	46	4
14891A04D5	117BY	COMPUTER NETWORKS	18	33	51	4
14891A04D5	117CJ	DIGITAL IMAGE PROCESSING	17	30	47	4
14891A04D5	117EG	MANAGEMENT SCIENCE	17	33	50	4

14891A04D5	117FE	MICROWAVE ENGINEERING	20	40	60	4
14891A04D5	117GA	OPTICAL COMMUNICATIONS	19	31	50	4
14891A04D6	11701	ADVANCED COMMUNICATION S	24	47	71	2
14891A04D6	11733	MICROWAVE ENGINEERING AN	22	44	66	2
14891A04D6	117BG	CELLULAR AND MOBILE COMM	17	21	38	0
14891A04D6	117BY	COMPUTER NETWORKS	18	37	55	4
14891A04D6	117CJ	DIGITAL IMAGE PROCESSING	15	37	52	4
14891A04D6	117EG	MANAGEMENT SCIENCE	16	30	46	4
14891A04D6	117FE	MICROWAVE ENGINEERING	20	32	52	4
14891A04D6	117GA	OPTICAL COMMUNICATIONS	17	27	44	4
14891A04D7	11701	ADVANCED COMMUNICATION S	24	47	71	2
14891A04D7	11733	MICROWAVE ENGINEERING AN	23	47	70	2
14891A04D7	117BG	CELLULAR AND MOBILE COMM	19	32	51	4
14891A04D7	117BY	COMPUTER NETWORKS	20	31	51	4
14891A04D7	117CJ	DIGITAL IMAGE PROCESSING	18	48	66	4
14891A04D7	117EG	MANAGEMENT SCIENCE	18	35	53	4
14891A04D7	117FE	MICROWAVE ENGINEERING	21	34	55	4
14891A04D7	117GA	OPTICAL COMMUNICATIONS	18	33	51	4
14891A04D8	11701	ADVANCED COMMUNICATION S	23	46	69	2
14891A04D8	11733	MICROWAVE ENGINEERING AN	24	47	71	2
14891A04D8	117BG	CELLULAR AND MOBILE COMM	20	29	49	4
14891A04D8	117BY	COMPUTER NETWORKS	19	33	52	4
14891A04D8	117CJ	DIGITAL IMAGE PROCESSING	20	37	57	4
14891A04D8	117EG	MANAGEMENT SCIENCE	17	30	47	4
14891A04D8	117FE	MICROWAVE ENGINEERING	20	33	53	4
14891A04D8	117GA	OPTICAL COMMUNICATIONS	19	32	51	4
14891A04D9	11701	ADVANCED COMMUNICATION S	23	45	68	2
14891A04D9	11733	MICROWAVE ENGINEERING AN	23	48	71	2
14891A04D9	117BG	CELLULAR AND MOBILE COMM	18	29	47	4
14891A04D9	117BY	COMPUTER NETWORKS	17	28	45	4
14891A04D9	117CJ	DIGITAL IMAGE PROCESSING	16	26	42	4
14891A04D9	117EG	MANAGEMENT SCIENCE	14	27	41	4
14891A04D9	117FE	MICROWAVE ENGINEERING	19	27	46	4
14891A04D9	117GA	OPTICAL COMMUNICATIONS	17	26	43	4
14891A04E0	11701	ADVANCED COMMUNICATION S	24	48	72	2
14891A04E0	11733	MICROWAVE ENGINEERING AN	24	49	73	2
14891A04E0	117BG	CELLULAR AND MOBILE COMM	17	31	48	4
14891A04E0	117BY	COMPUTER NETWORKS	15	37	52	4
14891A04E0	117CJ	DIGITAL IMAGE PROCESSING	13	41	54	4
14891A04E0	117EG	MANAGEMENT SCIENCE	17	26	43	4
14891A04E0	117FE	MICROWAVE ENGINEERING	20	11	31	0
14891A04E0	117GA	OPTICAL COMMUNICATIONS	18	33	51	4
14891A04E1	11701	ADVANCED COMMUNICATION S	24	45	69	2
14891A04E1	11733	MICROWAVE ENGINEERING AN	21	39	60	2
14891A04E1	117BG	CELLULAR AND MOBILE COMM	15	26	41	4
14891A04E1	117BY	COMPUTER NETWORKS	14	33	47	4
14891A04E1	117CJ	DIGITAL IMAGE PROCESSING	13	33	46	4
14891A04E1	117EG	MANAGEMENT SCIENCE	16	28	44	4
14891A04E1	117FE	MICROWAVE ENGINEERING	16	26	42	4
14891A04E1	117GA	OPTICAL COMMUNICATIONS	11	31	42	4

14891A04E2	11701	ADVANCED COMMUNICATION S	19	47	66	2
14891A04E2	11733	MICROWAVE ENGINEERING AN	23	45	68	2
14891A04E2	117BG	CELLULAR AND MOBILE COMM	16	15	31	0
14891A04E2	117BY	COMPUTER NETWORKS	14	47	61	4
14891A04E2	117CJ	DIGITAL IMAGE PROCESSING	11	35	46	4
14891A04E2	117EG	MANAGEMENT SCIENCE	16	34	50	4
14891A04E2	117FE	MICROWAVE ENGINEERING	15	32	47	4
14891A04E2	117GA	OPTICAL COMMUNICATIONS	15	35	50	4
14891A04E3	11701	ADVANCED COMMUNICATION S	24	46	70	2
14891A04E3	11733	MICROWAVE ENGINEERING AN	25	47	72	2
14891A04E3	117BG	CELLULAR AND MOBILE COMM	20	34	54	4
14891A04E3	117BY	COMPUTER NETWORKS	22	31	53	4
14891A04E3	117CJ	DIGITAL IMAGE PROCESSING	20	38	58	4
14891A04E3	117EG	MANAGEMENT SCIENCE	17	35	52	4
14891A04E3	117FE	MICROWAVE ENGINEERING	21	32	53	4
14891A04E3	117GA	OPTICAL COMMUNICATIONS	20	36	56	4
14891A04E4	11701	ADVANCED COMMUNICATION S	23	45	68	2
14891A04E4	11733	MICROWAVE ENGINEERING AN	22	44	66	2
14891A04E4	117BG	CELLULAR AND MOBILE COMM	16	26	42	4
14891A04E4	117BY	COMPUTER NETWORKS	21	32	53	4
14891A04E4	117CJ	DIGITAL IMAGE PROCESSING	16	0	16	0
14891A04E4	117EG	MANAGEMENT SCIENCE	15	31	46	4
14891A04E4	117FE	MICROWAVE ENGINEERING	19	34	53	4
14891A04E4	117GA	OPTICAL COMMUNICATIONS	17	33	50	4
14891A04E5	11701	ADVANCED COMMUNICATION S	24	44	68	2
14891A04E5	11733	MICROWAVE ENGINEERING AN	23	47	70	2
14891A04E5	117BG	CELLULAR AND MOBILE COMM	20	34	54	4
14891A04E5	117BY	COMPUTER NETWORKS	19	33	52	4
14891A04E5	117CJ	DIGITAL IMAGE PROCESSING	20	36	56	4
14891A04E5	117EG	MANAGEMENT SCIENCE	17	26	43	4
14891A04E5	117FE	MICROWAVE ENGINEERING	22	48	70	4
14891A04E5	117GA	OPTICAL COMMUNICATIONS	19	34	53	4
14891A04E6	11701	ADVANCED COMMUNICATION S	24	44	68	2
14891A04E6	11733	MICROWAVE ENGINEERING AN	22	40	62	2
14891A04E6	117BG	CELLULAR AND MOBILE COMM	17	16	33	0
14891A04E6	117BY	COMPUTER NETWORKS	15	38	53	4
14891A04E6	117CJ	DIGITAL IMAGE PROCESSING	14	39	53	4
14891A04E6	117EG	MANAGEMENT SCIENCE	17	32	49	4
14891A04E6	117FE	MICROWAVE ENGINEERING	18	26	44	4
14891A04E6	117GA	OPTICAL COMMUNICATIONS	16	42	58	4
14891A04E7	11701	ADVANCED COMMUNICATION S	19	46	65	2
14891A04E7	11733	MICROWAVE ENGINEERING AN	22	45	67	2
14891A04E7	117BG	CELLULAR AND MOBILE COMM	10	10	20	0
14891A04E7	117BY	COMPUTER NETWORKS	16	42	58	4
14891A04E7	117CJ	DIGITAL IMAGE PROCESSING	12	30	42	4
14891A04E7	117EG	MANAGEMENT SCIENCE	15	32	47	4
14891A04E7	117FE	MICROWAVE ENGINEERING	16	26	42	4
14891A04E7	117GA	OPTICAL COMMUNICATIONS	15	28	43	4
14891A04E8	11701	ADVANCED COMMUNICATION S	23	44	67	2
14891A04E8	11733	MICROWAVE ENGINEERING AN	23	46	69	2

14891A04E8	117BG	CELLULAR AND MOBILE COMM	18	27	45	4
14891A04E8	117BY	COMPUTER NETWORKS	19	34	53	4
14891A04E8	117CJ	DIGITAL IMAGE PROCESSING	15	34	49	4
14891A04E8	117EG	MANAGEMENT SCIENCE	16	27	43	4
14891A04E8	117FE	MICROWAVE ENGINEERING	19	33	52	4
14891A04E8	117GA	OPTICAL COMMUNICATIONS	18	40	58	4
14891A04E9	11701	ADVANCED COMMUNICATION S	23	44	67	2
14891A04E9	11733	MICROWAVE ENGINEERING AN	24	44	68	2
14891A04E9	117BG	CELLULAR AND MOBILE COMM	18	14	32	0
14891A04E9	117BY	COMPUTER NETWORKS	15	27	42	4
14891A04E9	117CJ	DIGITAL IMAGE PROCESSING	14	26	40	4
14891A04E9	117EG	MANAGEMENT SCIENCE	15	29	44	4
14891A04E9	117FE	MICROWAVE ENGINEERING	16	26	42	4
14891A04E9	117GA	OPTICAL COMMUNICATIONS	16	26	42	4
14891A04F0	11701	ADVANCED COMMUNICATION S	23	47	70	2
14891A04F0	11733	MICROWAVE ENGINEERING AN	23	48	71	2
14891A04F0	117BG	CELLULAR AND MOBILE COMM	20	28	48	4
14891A04F0	117BY	COMPUTER NETWORKS	22	27	49	4
14891A04F0	117CJ	DIGITAL IMAGE PROCESSING	20	29	49	4
14891A04F0	117EG	MANAGEMENT SCIENCE	16	33	49	4
14891A04F0	117FE	MICROWAVE ENGINEERING	20	33	53	4
14891A04F0	117GA	OPTICAL COMMUNICATIONS	20	48	68	4
14891A04F1	11701	ADVANCED COMMUNICATION S	23	46	69	2
14891A04F1	11733	MICROWAVE ENGINEERING AN	23	44	67	2
14891A04F1	117BG	CELLULAR AND MOBILE COMM	17	20	37	0
14891A04F1	117BY	COMPUTER NETWORKS	16	35	51	4
14891A04F1	117CJ	DIGITAL IMAGE PROCESSING	16	34	50	4
14891A04F1	117EG	MANAGEMENT SCIENCE	16	35	51	4
14891A04F1	117FE	MICROWAVE ENGINEERING	19	26	45	4
14891A04F1	117GA	OPTICAL COMMUNICATIONS	16	39	55	4
14891A04F2	11701	ADVANCED COMMUNICATION S	24	46	70	2
14891A04F2	11733	MICROWAVE ENGINEERING AN	25	50	75	2
14891A04F2	117BG	CELLULAR AND MOBILE COMM	22	38	60	4
14891A04F2	117BY	COMPUTER NETWORKS	23	37	60	4
14891A04F2	117CJ	DIGITAL IMAGE PROCESSING	21	47	68	4
14891A04F2	117EG	MANAGEMENT SCIENCE	18	39	57	4
14891A04F2	117FE	MICROWAVE ENGINEERING	21	39	60	4
14891A04F2	117GA	OPTICAL COMMUNICATIONS	23	63	86	4
14891A04F3	11701	ADVANCED COMMUNICATION S	23	46	69	2
14891A04F3	11733	MICROWAVE ENGINEERING AN	22	43	65	2
14891A04F3	117BG	CELLULAR AND MOBILE COMM	17	20	37	0
14891A04F3	117BY	COMPUTER NETWORKS	15	27	42	4
14891A04F3	117CJ	DIGITAL IMAGE PROCESSING	18	40	58	4
14891A04F3	117EG	MANAGEMENT SCIENCE	15	26	41	4
14891A04F3	117FE	MICROWAVE ENGINEERING	16	27	43	4
14891A04F3	117GA	OPTICAL COMMUNICATIONS	16	46	62	4
14891A04F4	11701	ADVANCED COMMUNICATION S	19	45	64	2
14891A04F4	11733	MICROWAVE ENGINEERING AN	22	45	67	2
14891A04F4	117BG	CELLULAR AND MOBILE COMM	14	9	23	0
14891A04F4	117BY	COMPUTER NETWORKS	13	29	42	4

14891A04F4	117CJ	DIGITAL IMAGE PROCESSING	13	46	59	4
14891A04F4	117EG	MANAGEMENT SCIENCE	15	26	41	4
14891A04F4	117FE	MICROWAVE ENGINEERING	15	28	43	4
14891A04F4	117GA	OPTICAL COMMUNICATIONS	15	32	47	4
14891A04F5	11701	ADVANCED COMMUNICATION S	22	43	65	2
14891A04F5	11733	MICROWAVE ENGINEERING AN	20	40	60	2
14891A04F5	117BG	CELLULAR AND MOBILE COMM	14	12	26	0
14891A04F5	117BY	COMPUTER NETWORKS	14	13	27	0
14891A04F5	117CJ	DIGITAL IMAGE PROCESSING	15	33	48	4
14891A04F5	117EG	MANAGEMENT SCIENCE	16	26	42	4
14891A04F5	117FE	MICROWAVE ENGINEERING	16	11	27	0
14891A04F5	117GA	OPTICAL COMMUNICATIONS	14	29	43	4
14891A04F6	11701	ADVANCED COMMUNICATION S	24	45	69	2
14891A04F6	11733	MICROWAVE ENGINEERING AN	21	36	57	2
14891A04F6	117BG	CELLULAR AND MOBILE COMM	9	3	12	0
14891A04F6	117BY	COMPUTER NETWORKS	15	8	23	0
14891A04F6	117CJ	DIGITAL IMAGE PROCESSING	14	29	43	4
14891A04F6	117EG	MANAGEMENT SCIENCE	13	27	40	4
14891A04F6	117FE	MICROWAVE ENGINEERING	15	26	41	4
14891A04F6	117GA	OPTICAL COMMUNICATIONS	9	31	40	4
14895A0401	117BY	COMPUTER NETWORKS	17	6	23	0
14895A0401	117EG	MANAGEMENT SCIENCE	18	0	18	0
14895A0401	117FE	MICROWAVE ENGINEERING	14	0	14	0
14895A0401	117GA	OPTICAL COMMUNICATIONS	17	0	17	0
15895A0401	11701	ADVANCED COMMUNICATION S	22	43	65	2
15895A0401	11733	MICROWAVE ENGINEERING AN	20	38	58	2
15895A0401	117BG	CELLULAR AND MOBILE COMM	15	14	29	0
15895A0401	117BY	COMPUTER NETWORKS	15	26	41	4
15895A0401	117CJ	DIGITAL IMAGE PROCESSING	14	36	50	4
15895A0401	117EG	MANAGEMENT SCIENCE	15	26	41	4
15895A0401	117FE	MICROWAVE ENGINEERING	17	26	43	4
15895A0401	117GA	OPTICAL COMMUNICATIONS	11	39	50	4
15895A0402	11701	ADVANCED COMMUNICATION S	23	44	67	2
15895A0402	11733	MICROWAVE ENGINEERING AN	23	40	63	2
15895A0402	117BG	CELLULAR AND MOBILE COMM	19	20	39	0
15895A0402	117BY	COMPUTER NETWORKS	18	37	55	4
15895A0402	117CJ	DIGITAL IMAGE PROCESSING	15	52	67	4
15895A0402	117EG	MANAGEMENT SCIENCE	16	27	43	4
15895A0402	117FE	MICROWAVE ENGINEERING	18	33	51	4
15895A0402	117GA	OPTICAL COMMUNICATIONS	16	46	62	4
15895A0403	11701	ADVANCED COMMUNICATION S	23	44	67	2
15895A0403	11733	MICROWAVE ENGINEERING AN	21	40	61	2
15895A0403	117BG	CELLULAR AND MOBILE COMM	15	12	27	0
15895A0403	117BY	COMPUTER NETWORKS	15	26	41	4
15895A0403	117CJ	DIGITAL IMAGE PROCESSING	13	28	41	4
15895A0403	117EG	MANAGEMENT SCIENCE	15	26	41	4
15895A0403	117FE	MICROWAVE ENGINEERING	17	26	43	4
15895A0403	117GA	OPTICAL COMMUNICATIONS	14	38	52	4
15895A0404	11701	ADVANCED COMMUNICATION S	24	46	70	2
15895A0404	11733	MICROWAVE ENGINEERING AN	22	43	65	2

15895A0404	117BG	CELLULAR AND MOBILE COMM	16	19	35	0
15895A0404	117BY	COMPUTER NETWORKS	17	26	43	4
15895A0404	117CJ	DIGITAL IMAGE PROCESSING	14	26	40	4
15895A0404	117EG	MANAGEMENT SCIENCE	15	33	48	4
15895A0404	117FE	MICROWAVE ENGINEERING	18	28	46	4
15895A0404	117GA	OPTICAL COMMUNICATIONS	15	37	52	4

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