

## รายการอ้างอิง

### ภาษาไทย

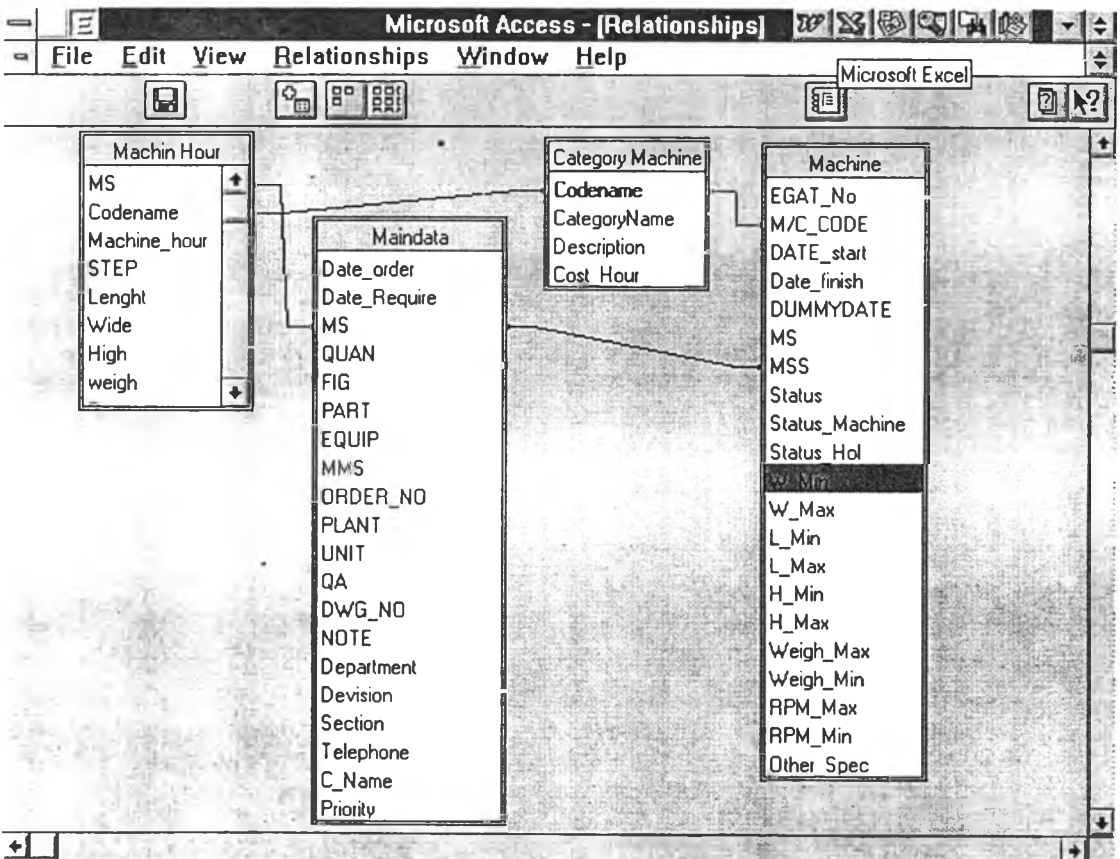
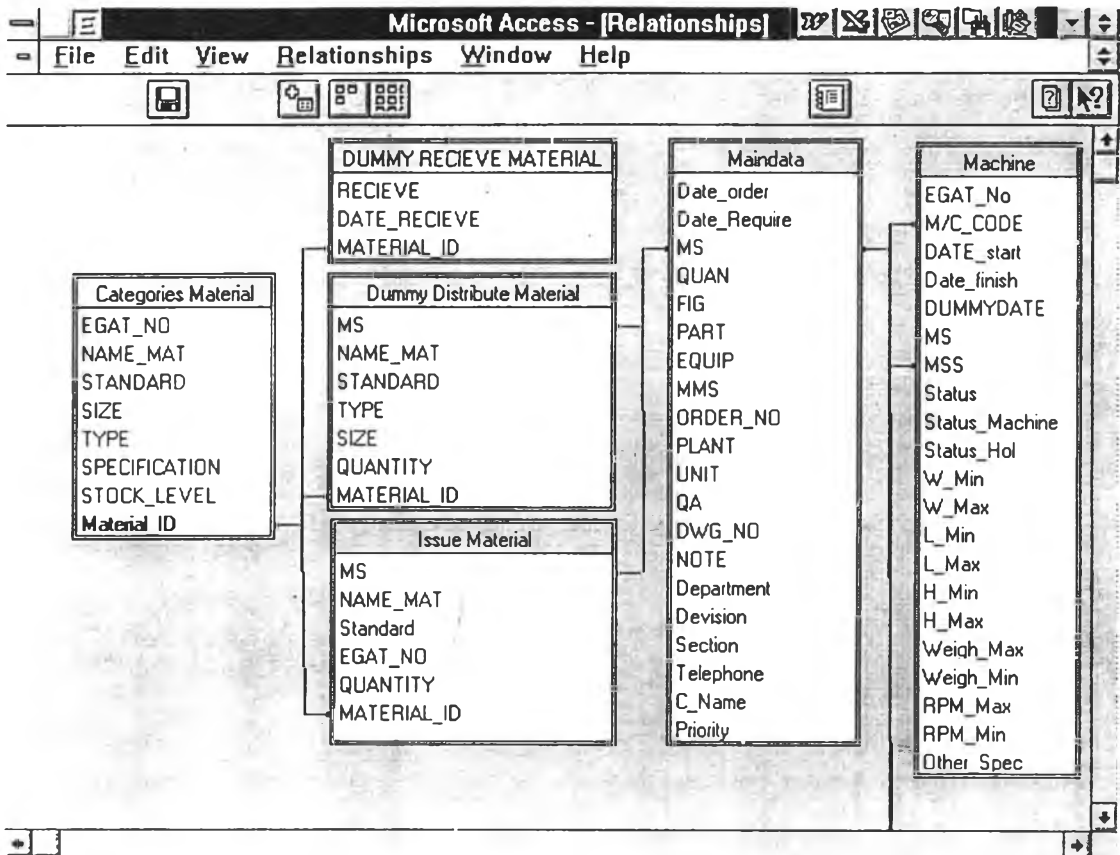
- กลางเดือน โพนนา. ระบบสนับสนุนการตัดสินใจสำหรับการวางแผนการผลิตในโรงงาน  
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สาขาวิศวกรรมอุตสาหกรรม จุฬาลงกรณ์มหาวิทยาลัย.  
วิทยานิพนธ์ปริญญาโทบัณฑิต จุฬาลงกรณ์มหาวิทยาลัย, 2535.
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### ภาษาอังกฤษ

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## ภาคผนวก ก

รายชื่อเพิ่มข้อมูลและความสัมพันธ์ระหว่างเพิ่มข้อมูล



## ภาคผนวก ข

การจัดลำดับงานตามเครื่องจักรของงานที่เข้าตั้งแต่วันที่ 17/08/1995 ถึง 21/09/1995



SCHEDUL



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FM-01-001	0.5	3702252	370225	06/09/1995 4:00:00 PM	06/09/1995 4:30:00 PM
FM-01-001	0.5	3702253	370225	07/09/1995 9:15:00 AM	07/09/1995 9:45:00 AM
FM-01-001	0.5	3702254	370225	07/09/1995 1:20:00 PM	07/09/1995 1:50:00 PM
FM-01-001	0.5	3702255	370225	07/09/1995 4:25:00 PM	08/09/1995 8:55:00 AM
FM-01-001	0.5	3702256	370225	08/09/1995 11:30:00 AM	08/09/1995 1:00:00 PM
FM-01-001	2	3703211	370321	08/09/1995 2:30:00 PM	08/09/1995 4:30:00 PM
FM-01-001	2	3703212	370321	08/09/1995 4:30:00 PM	11/09/1995 10:30:00 AM
FM-01-001	2.5	3812131	381213	13/09/1995 9:00:00 AM	13/09/1995 11:30:00 AM
FM-01-001	2.5	3812132	381213	13/09/1995 11:30:00 AM	13/09/1995 3:00:00 PM
FM-01-001	2.5	3812133	381213	13/09/1995 3:00:00 PM	14/09/1995 9:30:00 AM
FM-01-001	2.5	3812134	381213	14/09/1995 9:30:00 AM	14/09/1995 1:00:00 PM
FM-01-001	0.75	3701181	370118	18/09/1995 11:45:00 AM	18/09/1995 1:30:00 PM
FM-01-001	1	3807591	380759	19/09/1995 11:27:00 AM	19/09/1995 1:27:00 PM
FM-01-001	1	3807592	380759	19/09/1995 1:27:00 PM	19/09/1995 2:27:00 PM
FM-01-001	1	3807593	380759	19/09/1995 2:27:00 PM	19/09/1995 3:27:00 PM
FM-01-001	1	3807594	380759	19/09/1995 3:27:00 PM	19/09/1995 4:27:00 PM
FM-01-001	16	3800321	380032	20/09/1995 8:42:00 AM	22/09/1995 10:42:00 AM
GC-01-002	1	3701181	370118	17/08/1995 11:00:00 AM	17/08/1995 1:00:00 PM
GC-01-002	115.5	3709431	370943	17/08/1995 1:00:00 PM	08/09/1995 4:30:00 PM
GC-01-002	1.4	3806915	380691	08/09/1995 4:30:00 PM	11/09/1995 9:54:00 AM

## SCHEDUL

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GC-01-002	1.4	3806917	380691	11/09/1995 9:54:00 AM	11/09/1995 11:18:00 AM
GC-01-002	1.4	3806919	380691	11/09/1995 11:18:00 AM	11/09/1995 1:42:00 PM
GC-01-002	4	3800321	380032	11/09/1995 1:42:00 PM	12/09/1995 9:42:00 AM
GC-01-002	4.3333	3807301	380730	12/09/1995 9:42:00 AM	12/09/1995 3:02:00 PM
GC-01-002	4.3333	3807303	380730	12/09/1995 3:02:00 PM	13/09/1995 11:22:00 AM
GC-01-002	3.5	3810932	381093	13/09/1995 11:22:00 AM	13/09/1995 3:52:00 PM
GC-01-002	1	3812692	381269	19/09/1995 9:30:00 AM	19/09/1995 10:30:00 AM
GC-01-003	1	3701182	370118	17/08/1995 1:30:00 PM	17/08/1995 2:30:00 PM
GC-01-003	12.5	3701201	370120	17/08/1995 2:30:00 PM	21/08/1995 1:00:00 PM
GC-01-003	12.5	3701202	370120	21/08/1995 1:00:00 PM	23/08/1995 10:30:00 AM
GC-01-003	18.25	3701191	370119	23/08/1995 10:30:00 AM	25/08/1995 3:45:00 PM
GC-01-003	18.25	3701192	370119	25/08/1995 3:45:00 PM	30/08/1995 1:00:00 PM
GC-01-003	0.15	3800011	380001	30/08/1995 1:00:00 PM	30/08/1995 1:09:00 PM
GC-01-003	0.15	3800012	380001	30/08/1995 1:09:00 PM	30/08/1995 1:18:00 PM
GC-01-003	0.15	3800013	380001	30/08/1995 1:18:00 PM	30/08/1995 1:27:00 PM
GC-01-003	0.15	3800014	380001	30/08/1995 1:27:00 PM	30/08/1995 1:36:00 PM
GC-01-003	0.15	3800015	380001	30/08/1995 1:36:00 PM	30/08/1995 1:45:00 PM
GC-01-003	0.15	3800016	380001	30/08/1995 1:45:00 PM	30/08/1995 1:54:00 PM
GC-01-003	0.15	3800017	380001	30/08/1995 1:54:00 PM	30/08/1995 2:03:00 PM
GC-01-003	0.15	3800018	380001	30/08/1995 2:03:00 PM	30/08/1995 2:12:00 PM
GC-01-003	0.15	3800019	380001	30/08/1995 2:12:00 PM	30/08/1995 2:21:00 PM
GC-01-003	0.15	38000110	380001	30/08/1995 2:21:00 PM	30/08/1995 2:30:00 PM
GC-01-003	1.6875	3801161	380116	30/08/1995 2:30:00 PM	30/08/1995 4:11:00 PM
GC-01-003	1.6875	3801162	380116	30/08/1995 4:11:00 PM	31/08/1995 9:52:00 AM
GC-01-003	1.6875	3801163	380116	31/08/1995 9:52:00 AM	31/08/1995 11:33:00 AM
GC-01-003	1.6875	3801164	380116	31/08/1995 11:33:00 AM	31/08/1995 2:14:00 PM
GC-01-003	1.6875	3801165	380116	31/08/1995 2:14:00 PM	31/08/1995 3:55:00 PM
GC-01-003	1.6875	3801166	380116	31/08/1995 3:55:00 PM	01/09/1995 9:36:00 AM
GC-01-003	1.6875	3801167	380116	01/09/1995 9:36:00 AM	01/09/1995 11:17:00 AM
GC-01-003	1.6875	3801168	380116	01/09/1995 11:17:00 AM	01/09/1995 1:58:00 PM
GC-01-003	12	3802631	380263	01/09/1995 1:58:00 PM	05/09/1995 10:58:00 AM
GC-01-003	1	3807191	380719	05/09/1995 10:58:00 AM	05/09/1995 11:58:00 AM
GC-01-003	1.6875	3807671	380767	05/09/1995 11:58:00 AM	05/09/1995 2:39:00 PM
GC-01-003	1.6875	3807672	380767	05/09/1995 2:39:00 PM	05/09/1995 4:20:00 PM
GC-01-003	1.125	3812131	381213	06/09/1995 9:30:00 AM	06/09/1995 10:38:00 AM
GC-01-003	1.125	3812132	381213	06/09/1995 10:38:00 AM	06/09/1995 11:46:00 AM
GC-01-003	1.125	3812133	381213	06/09/1995 11:46:00 AM	06/09/1995 1:54:00 PM
GC-01-003	1.125	3812134	381213	06/09/1995 1:54:00 PM	06/09/1995 3:02:00 PM
GC-01-003	1.6875	3807673	380767	06/09/1995 3:02:00 PM	07/09/1995 8:43:00 AM
GC-01-003	1.6875	3807674	380767	07/09/1995 8:43:00 AM	07/09/1995 10:24:00 AM
GC-01-003	1.6875	3807675	380767	07/09/1995 10:24:00 AM	07/09/1995 1:05:00 PM
GC-01-003	1.6875	3807676	380767	07/09/1995 1:05:00 PM	07/09/1995 2:46:00 PM
GC-01-003	1.6875	3807677	380767	07/09/1995 2:46:00 PM	07/09/1995 4:27:00 PM
GC-01-003	1.6875	3807678	380767	07/09/1995 4:27:00 PM	08/09/1995 10:08:00 AM
GC-01-003	1.4	3806911	380691	08/09/1995 10:08:00 AM	08/09/1995 11:32:00 AM

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GC-01-003	1.4	3806912	380691	08/09/1995 11:32:00 AM	08/09/1995 1:56:00 PM
GC-01-003	1.4	3806913	380691	08/09/1995 1:56:00 PM	08/09/1995 3:20:00 PM
GC-01-003	1.4	3806914	380691	08/09/1995 3:20:00 PM	11/09/1995 8:44:00 AM
GC-01-003	1.4	3806916	380691	11/09/1995 8:44:00 AM	11/09/1995 10:08:00 AM
GC-01-003	1.4	3806918	380691	11/09/1995 10:08:00 AM	11/09/1995 11:32:00 AM
GC-01-003	1.4	38069110	380691	11/09/1995 11:32:00 AM	11/09/1995 1:56:00 PM
GC-01-003	1.5	3802271	380227	11/09/1995 1:56:00 PM	11/09/1995 3:26:00 PM
GC-01-003	1.5	3802272	380227	11/09/1995 3:26:00 PM	12/09/1995 8:56:00 AM
GC-01-003	1.5	3802273	380227	12/09/1995 8:56:00 AM	12/09/1995 10:26:00 AM
GC-01-003	4.3333	3807302	380730	12/09/1995 10:26:00 AM	12/09/1995 3:46:00 PM
GC-01-003	0.333	3810781	381078	12/09/1995 3:46:00 PM	12/09/1995 4:06:00 PM
GC-01-003	0.333	3810782	381078	12/09/1995 4:06:00 PM	12/09/1995 4:26:00 PM
GC-01-003	0.333	3810783	381078	12/09/1995 4:26:00 PM	13/09/1995 8:46:00 AM
GC-01-003	0.333	3810784	381078	13/09/1995 8:46:00 AM	13/09/1995 9:06:00 AM
GC-01-003	0.333	3810785	381078	13/09/1995 9:06:00 AM	13/09/1995 9:26:00 AM
GC-01-003	0.333	3810786	381078	13/09/1995 9:26:00 AM	13/09/1995 9:46:00 AM
GC-01-003	3.5	3810931	381093	13/09/1995 9:46:00 AM	13/09/1995 2:16:00 PM
GC-01-003	1	3812691	381269	19/09/1995 9:30:00 AM	19/09/1995 10:30:00 AM
GF-01-001	3	3810901	381090	17/08/1995 9:30:00 AM	17/08/1995 1:30:00 PM
GF-01-001	0.8333	3811301	381130	17/08/1995 1:30:00 PM	17/08/1995 2:20:00 PM
GF-01-001	0.8333	3811302	381130	17/08/1995 2:20:00 PM	17/08/1995 3:10:00 PM
GF-01-001	0.8333	3811303	381130	17/08/1995 3:10:00 PM	17/08/1995 4:00:00 PM
GF-01-001	0.8333	3811304	381130	17/08/1995 4:00:00 PM	18/08/1995 8:50:00 AM
GF-01-001	0.8333	3811305	381130	18/08/1995 8:50:00 AM	18/08/1995 9:40:00 AM
GF-01-001	0.8333	3811306	381130	18/08/1995 9:40:00 AM	18/08/1995 10:30:00 AM
GF-01-001	2	3811451	381145	23/08/1995 9:30:00 AM	23/08/1995 11:30:00 AM
GF-01-001	11	3811521	381152	24/08/1995 1:00:00 PM	28/08/1995 9:00:00 AM
GF-01-001	1.6	3811611	381161	28/08/1995 9:00:00 AM	28/08/1995 10:36:00 AM
GF-01-001	1.6	3811612	381161	28/08/1995 10:36:00 AM	28/08/1995 1:12:00 PM
GF-01-001	1.6	3811613	381161	28/08/1995 1:12:00 PM	28/08/1995 2:48:00 PM
GF-01-001	1.6	3811614	381161	28/08/1995 2:48:00 PM	28/08/1995 4:24:00 PM
GF-01-001	1.6	3811615	381161	28/08/1995 4:24:00 PM	29/08/1995 10:00:00 AM
GF-01-001	1.6	3811616	381161	29/08/1995 10:00:00 AM	29/08/1995 11:36:00 AM
GF-01-001	1.6	3811617	381161	29/08/1995 11:36:00 AM	29/08/1995 2:12:00 PM
GF-01-001	1.6	3811618	381161	29/08/1995 2:12:00 PM	29/08/1995 3:48:00 PM
GF-01-001	1.6	3811619	381161	29/08/1995 3:48:00 PM	30/08/1995 9:24:00 AM
GF-01-001	1.6	38116110	381161	30/08/1995 9:24:00 AM	30/08/1995 11:00:00 AM
GF-01-001	5	3811421	381142	01/09/1995 3:07:00 PM	04/09/1995 1:07:00 PM
GF-01-001	7	3705661	370566	08/09/1995 1:01:00 PM	11/09/1995 1:01:00 PM
GF-01-001	3	3812281	381228	14/09/1995 9:30:00 AM	14/09/1995 1:30:00 PM
GF-01-001	3	3812691	381269	19/09/1995 2:54:00 PM	20/09/1995 9:54:00 AM
GF-01-001	3	3812692	381269	20/09/1995 9:54:00 AM	20/09/1995 1:54:00 PM
GH-01-001	6.6666	3712011	371201	18/08/1995 3:40:00 PM	21/08/1995 3:20:00 PM
GH-01-001	6.6666	3712012	371201	21/08/1995 3:20:00 PM	22/08/1995 3:00:00 PM
GH-01-001	6.6666	3712013	371201	22/08/1995 3:00:00 PM	23/08/1995 2:40:00 PM



M/C CODE	HOUR	MS	MSS	DATE start	Date finish
GH-01-001	6.6666	3712014	371201	23/08/1995 2:40:00 PM	24/08/1995 2:20:00 PM
GH-01-001	6.6666	3712015	371201	24/08/1995 2:20:00 PM	25/08/1995 2:00:00 PM
GH-01-001	6.6666	3712016	371201	25/08/1995 2:00:00 PM	28/08/1995 1:40:00 PM
GH-01-001	6.6666	3712017	371201	28/08/1995 1:40:00 PM	29/08/1995 1:20:00 PM
GH-01-001	6.6666	3712018	371201	29/08/1995 1:20:00 PM	30/08/1995 1:00:00 PM
GH-01-001	6.6666	3712019	371201	30/08/1995 1:00:00 PM	31/08/1995 11:40:00 AM
GH-01-001	6.6666	37120110	371201	31/08/1995 11:40:00 AM	01/09/1995 11:20:00 AM
GH-01-001	6.6666	37120111	371201	01/09/1995 11:20:00 AM	04/09/1995 11:00:00 AM
GH-01-001	6.6666	37120112	371201	04/09/1995 11:00:00 AM	05/09/1995 10:40:00 AM
GH-01-001	6.6666	37120113	371201	05/09/1995 10:40:00 AM	06/09/1995 10:20:00 AM
GH-01-001	6.6666	37120114	371201	06/09/1995 10:20:00 AM	07/09/1995 10:00:00 AM
GH-01-001	6.6666	37120115	371201	07/09/1995 10:00:00 AM	08/09/1995 9:40:00 AM
GR-01-001	1.833	3704731	370473	21/08/1995 4:20:00 PM	22/08/1995 10:10:00 AM
GR-01-001	1.833	3704732	370473	22/08/1995 10:10:00 AM	22/08/1995 1:00:00 PM
GR-01-001	1.833	3704733	370473	22/08/1995 1:00:00 PM	22/08/1995 2:50:00 PM
GR-01-001	1.833	3704734	370473	25/08/1995 10:31:00 AM	25/08/1995 1:21:00 PM
GR-01-001	1.833	3704735	370473	25/08/1995 1:21:00 PM	25/08/1995 3:11:00 PM
GR-01-001	1.833	3704736	370473	25/08/1995 3:11:00 PM	28/08/1995 9:01:00 AM
GT-01-001	1.303	3810261	381026	17/08/1995 9:30:00 AM	17/08/1995 10:48:00 AM
GT-01-001	1.303	3810262	381026	17/08/1995 10:48:00 AM	17/08/1995 1:06:00 PM
GT-01-001	1.303	3810263	381026	17/08/1995 1:06:00 PM	17/08/1995 2:24:00 PM
GT-01-001	1.303	3810264	381026	17/08/1995 2:24:00 PM	17/08/1995 3:42:00 PM
GT-01-001	1.303	3810265	381026	17/08/1995 3:42:00 PM	18/08/1995 9:00:00 AM
GT-01-001	1.303	3810266	381026	18/08/1995 9:00:00 AM	18/08/1995 10:18:00 AM
GT-01-001	1.303	3810267	381026	18/08/1995 10:18:00 AM	18/08/1995 11:36:00 AM
GT-01-001	1.303	3810268	381026	18/08/1995 11:36:00 AM	18/08/1995 1:54:00 PM
GT-01-001	1.303	3810269	381026	18/08/1995 1:54:00 PM	18/08/1995 3:12:00 PM
GT-01-001	1.303	38102610	381026	18/08/1995 3:12:00 PM	18/08/1995 4:30:00 PM
GT-01-001	1.303	38102611	381026	18/08/1995 4:30:00 PM	21/08/1995 9:48:00 AM
GT-01-001	1.303	38102612	381026	21/08/1995 9:48:00 AM	21/08/1995 11:06:00 AM
GT-01-001	1.303	38102613	381026	21/08/1995 11:06:00 AM	21/08/1995 1:24:00 PM
GT-01-001	1.303	38102614	381026	21/08/1995 1:24:00 PM	21/08/1995 2:42:00 PM
GT-01-001	1.303	38102615	381026	21/08/1995 2:42:00 PM	21/08/1995 4:00:00 PM
GT-01-001	1.303	38102616	381026	21/08/1995 4:00:00 PM	22/08/1995 9:18:00 AM
GT-01-001	1.303	38102617	381026	22/08/1995 9:18:00 AM	22/08/1995 10:36:00 AM
GT-01-001	1.303	38102618	381026	22/08/1995 10:36:00 AM	22/08/1995 11:54:00 AM
GT-01-001	1.303	38102619	381026	22/08/1995 11:54:00 AM	22/08/1995 2:12:00 PM
GT-01-001	1.303	38102620	381026	22/08/1995 2:12:00 PM	22/08/1995 3:30:00 PM
GT-01-001	1.303	38102621	381026	22/08/1995 3:30:00 PM	23/08/1995 8:48:00 AM
GT-01-001	1.303	38102622	381026	23/08/1995 8:48:00 AM	23/08/1995 10:06:00 AM
GT-01-001	1.303	38102623	381026	23/08/1995 10:06:00 AM	23/08/1995 11:24:00 AM
GT-01-001	1.303	38102624	381026	23/08/1995 11:24:00 AM	23/08/1995 1:42:00 PM
GT-01-001	1.303	38102625	381026	23/08/1995 1:42:00 PM	23/08/1995 3:00:00 PM
GT-01-001	1.303	38102626	381026	23/08/1995 3:00:00 PM	23/08/1995 4:18:00 PM
GT-01-001	1.303	38102627	381026	23/08/1995 4:18:00 PM	24/08/1995 9:36:00 AM

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GT-01-001	1.303	38102628	381026	24/08/1995 9:36:00 AM	24/08/1995 10:54:00 AM
GT-01-001	1.303	38102629	381026	24/08/1995 10:54:00 AM	24/08/1995 1:12:00 PM
GT-01-001	1.303	38102630	381026	24/08/1995 1:12:00 PM	24/08/1995 2:30:00 PM
GT-01-001	1.303	38102631	381026	24/08/1995 2:30:00 PM	24/08/1995 3:48:00 PM
GT-01-001	1.303	38102632	381026	24/08/1995 3:48:00 PM	25/08/1995 9:06:00 AM
GT-01-001	1.303	38102633	381026	25/08/1995 9:06:00 AM	25/08/1995 10:24:00 AM
GT-01-001	5.3	3811841	381184	28/08/1995 9:30:00 AM	28/08/1995 3:48:00 PM
GT-01-001	5.3	3811842	381184	28/08/1995 3:48:00 PM	29/08/1995 2:06:00 PM
GT-01-001	5.3	3811843	381184	29/08/1995 2:06:00 PM	30/08/1995 11:24:00 AM
GT-01-001	5.3	3811844	381184	30/08/1995 11:24:00 AM	31/08/1995 9:42:00 AM
GT-01-001	5.3	3811845	381184	31/08/1995 9:42:00 AM	31/08/1995 4:00:00 PM
GT-01-001	5.3	3811846	381184	31/08/1995 4:00:00 PM	01/09/1995 2:18:00 PM
GT-01-001	5.3	3811847	381184	01/09/1995 2:18:00 PM	04/09/1995 11:36:00 AM
GT-01-001	5.3	3811848	381184	04/09/1995 11:36:00 AM	05/09/1995 9:54:00 AM
GT-01-001	5.3	3811849	381184	05/09/1995 9:54:00 AM	05/09/1995 4:12:00 PM
GT-01-001	5.3	38118410	381184	05/09/1995 4:12:00 PM	06/09/1995 2:30:00 PM
ML-01-001	14.333	3704731	370473	17/08/1995 4:00:00 PM	21/08/1995 4:20:00 PM
ML-01-001	2.95	3610891	361089	21/08/1995 4:20:00 PM	22/08/1995 11:17:00 AM
ML-01-001	2.95	3610894	361089	22/08/1995 11:17:00 AM	22/08/1995 3:14:00 PM
ML-01-001	2.95	3610897	361089	22/08/1995 3:14:00 PM	23/08/1995 10:11:00 AM
ML-01-001	2.95	36108910	361089	23/08/1995 10:11:00 AM	23/08/1995 2:08:00 PM
ML-01-001	14.333	3704736	370473	23/08/1995 2:08:00 PM	25/08/1995 2:28:00 PM
ML-01-001	0.357	3808177	380817	25/08/1995 3:59:00 PM	25/08/1995 4:20:00 PM
ML-01-001	29.5	3802051	380205	28/08/1995 1:01:00 PM	01/09/1995 2:31:00 PM
ML-01-001	29.5	3802052	380205	01/09/1995 2:31:00 PM	07/09/1995 4:01:00 PM
ML-01-001	1.3	3812351	381235	11/09/1995 9:30:00 AM	11/09/1995 10:48:00 AM
ML-01-001	1.3	3812354	381235	11/09/1995 10:48:00 AM	11/09/1995 1:06:00 PM
ML-01-001	1.3	3812357	381235	11/09/1995 1:06:00 PM	11/09/1995 2:24:00 PM
ML-01-001	1.3	38123510	381235	11/09/1995 2:24:00 PM	11/09/1995 3:42:00 PM
ML-01-001	1.5937	3812241	381224	11/09/1995 3:42:00 PM	12/09/1995 9:18:00 AM
ML-01-001	1.5937	3812244	381224	12/09/1995 9:18:00 AM	12/09/1995 10:54:00 AM
ML-01-001	1.5937	3812247	381224	12/09/1995 10:54:00 AM	12/09/1995 1:30:00 PM
ML-01-001	1.5937	38122410	381224	12/09/1995 1:30:00 PM	12/09/1995 3:06:00 PM
ML-01-001	1.5937	38122413	381224	12/09/1995 3:06:00 PM	13/09/1995 8:42:00 AM
ML-01-001	1.5937	38122416	381224	13/09/1995 8:42:00 AM	13/09/1995 10:18:00 AM
ML-01-001	9.7	3806111	380611	13/09/1995 10:18:00 AM	14/09/1995 2:00:00 PM
ML-01-001	9.7	3806112	380611	14/09/1995 2:00:00 PM	18/09/1995 8:42:00 AM
ML-01-001	9.7	3806114	380611	18/09/1995 8:42:00 AM	19/09/1995 11:24:00 AM
ML-01-001	2.5	3812691	381269	19/09/1995 11:24:00 AM	19/09/1995 2:54:00 PM
ML-01-001	2.5	3812692	381269	19/09/1995 2:54:00 PM	20/09/1995 9:24:00 AM
ML-01-001	9.7	3806115	380611	20/09/1995 9:24:00 AM	21/09/1995 1:06:00 PM
ML-01-002	14.333	3704732	370473	17/08/1995 4:00:00 PM	21/08/1995 4:20:00 PM
ML-01-002	2.95	3610892	361089	21/08/1995 4:20:00 PM	22/08/1995 11:17:00 AM
ML-01-002	2.95	3610895	361089	22/08/1995 11:17:00 AM	22/08/1995 3:14:00 PM
ML-01-002	2.95	3610898	361089	22/08/1995 3:14:00 PM	23/08/1995 10:11:00 AM



M/C CODE	HOUR	MS	MSS	DATE start	Date finish
ML-01-002	14.333	3704734	370473	23/08/1995 10:11:00 AM	25/08/1995 10:31:00 AM
ML-01-002	70.5	3705661	370566	25/08/1995 10:31:00 AM	08/09/1995 11:01:00 AM
ML-01-002	1.3	3812352	381235	11/09/1995 9:30:00 AM	11/09/1995 10:48:00 AM
ML-01-002	1.3	3812355	381235	11/09/1995 10:48:00 AM	11/09/1995 1:06:00 PM
ML-01-002	1.3	3812358	381235	11/09/1995 1:06:00 PM	11/09/1995 2:24:00 PM
ML-01-002	2	3812361	381236	11/09/1995 2:24:00 PM	11/09/1995 4:24:00 PM
ML-01-002	1.5937	3812242	381224	11/09/1995 4:24:00 PM	12/09/1995 10:00:00 AM
ML-01-002	1.5937	3812245	381224	12/09/1995 10:00:00 AM	12/09/1995 11:36:00 AM
ML-01-002	1.5937	3812248	381224	12/09/1995 11:36:00 AM	12/09/1995 2:12:00 PM
ML-01-002	1.5937	38122411	381224	12/09/1995 2:12:00 PM	12/09/1995 3:48:00 PM
ML-01-002	1.5937	38122414	381224	12/09/1995 3:48:00 PM	13/09/1995 9:24:00 AM
ML-01-002	4.625	3801161	380116	13/09/1995 9:24:00 AM	13/09/1995 3:02:00 PM
ML-01-002	4.625	3801163	380116	13/09/1995 3:02:00 PM	14/09/1995 11:40:00 AM
ML-01-002	4.625	3801165	380116	14/09/1995 11:40:00 AM	15/09/1995 9:18:00 AM
ML-01-002	4.625	3801167	380116	15/09/1995 9:18:00 AM	15/09/1995 2:56:00 PM
ML-01-002	34	3802062	380206	15/09/1995 2:56:00 PM	22/09/1995 1:56:00 PM
ML-01-003	14.333	3704733	370473	17/08/1995 4:00:00 PM	21/08/1995 4:20:00 PM
ML-01-003	2.95	3610893	361089	21/08/1995 4:20:00 PM	22/08/1995 11:17:00 AM
ML-01-003	2.95	3610896	361089	22/08/1995 11:17:00 AM	22/08/1995 3:14:00 PM
ML-01-003	2.95	3610899	361089	22/08/1995 3:14:00 PM	23/08/1995 10:11:00 AM
ML-01-003	14.333	3704735	370473	23/08/1995 10:11:00 AM	25/08/1995 10:31:00 AM
ML-01-003	0.357	3808175	380817	25/08/1995 10:31:00 AM	25/08/1995 10:52:00 AM
ML-01-003	0.357	3808171	380817	25/08/1995 10:52:00 AM	25/08/1995 11:13:00 AM
ML-01-003	0.357	3808176	380817	25/08/1995 11:13:00 AM	25/08/1995 11:34:00 AM
ML-01-003	0.357	3808172	380817	25/08/1995 11:34:00 AM	25/08/1995 11:55:00 AM
ML-01-003	0.357	3808173	380817	25/08/1995 11:55:00 AM	25/08/1995 1:16:00 PM
ML-01-003	0.357	3808174	380817	25/08/1995 1:16:00 PM	25/08/1995 1:37:00 PM
ML-01-003	36.5	3811421	381142	25/08/1995 1:37:00 PM	01/09/1995 3:07:00 PM
ML-01-003	34	3802061	380206	01/09/1995 3:07:00 PM	08/09/1995 2:07:00 PM
ML-01-003	1.3	3812353	381235	11/09/1995 9:30:00 AM	11/09/1995 10:48:00 AM
ML-01-003	1.3	3812356	381235	11/09/1995 10:48:00 AM	11/09/1995 1:06:00 PM
ML-01-003	1.3	3812359	381235	11/09/1995 1:06:00 PM	11/09/1995 2:24:00 PM
ML-01-003	2	3812371	381237	11/09/1995 2:24:00 PM	11/09/1995 4:24:00 PM
ML-01-003	1.5937	3812243	381224	11/09/1995 4:24:00 PM	12/09/1995 10:00:00 AM
ML-01-003	1.5937	3812246	381224	12/09/1995 10:00:00 AM	12/09/1995 11:36:00 AM
ML-01-003	1.5937	3812249	381224	12/09/1995 11:36:00 AM	12/09/1995 2:12:00 PM
ML-01-003	1.5937	38122412	381224	12/09/1995 2:12:00 PM	12/09/1995 3:48:00 PM
ML-01-003	1.5937	38122415	381224	12/09/1995 3:48:00 PM	13/09/1995 9:24:00 AM
ML-01-003	4.625	3801162	380116	13/09/1995 9:24:00 AM	13/09/1995 3:02:00 PM
ML-01-003	4.625	3801164	380116	13/09/1995 3:02:00 PM	14/09/1995 11:40:00 AM
ML-01-003	4.625	3801166	380116	14/09/1995 11:40:00 AM	15/09/1995 9:18:00 AM
ML-01-003	4.625	3801168	380116	15/09/1995 9:18:00 AM	15/09/1995 2:56:00 PM
ML-01-003	9.7	3806113	380611	15/09/1995 2:56:00 PM	19/09/1995 9:38:00 AM
ML-01-003	44.5	3701181	370118	19/09/1995 9:38:00 AM	27/09/1995 1:08:00 PM
MT-01-001	11.2	3610891	361089	17/08/1995 9:30:00 AM	18/08/1995 2:42:00 PM

M/C CODE	HOUR	MS	MSS	DATE start	Date finish
MT-01-001	1.1667	3712013	371201	18/08/1995 2:42:00 PM	18/08/1995 3:52:00 PM
MT-01-001	1.1667	37120115	371201	18/08/1995 3:52:00 PM	21/08/1995 9:02:00 AM
MT-01-001	4.166	3801442	380144	21/08/1995 9:02:00 AM	21/08/1995 2:12:00 PM
MT-01-001	4.166	3801443	380144	21/08/1995 2:12:00 PM	22/08/1995 10:22:00 AM
MT-01-001	4.166	3801444	380144	22/08/1995 10:22:00 AM	22/08/1995 3:32:00 PM
MT-01-001	4.166	3801445	380144	22/08/1995 3:32:00 PM	23/08/1995 11:42:00 AM
MT-01-001	4.166	3801446	380144	23/08/1995 11:42:00 AM	24/08/1995 8:52:00 AM
MT-01-001	4.166	3801447	380144	24/08/1995 8:52:00 AM	24/08/1995 2:02:00 PM
MT-01-001	4.166	3801448	380144	24/08/1995 2:02:00 PM	25/08/1995 10:12:00 AM
MT-01-001	4.55	3802062	380206	25/08/1995 10:12:00 AM	25/08/1995 3:45:00 PM
MT-01-001	14.71	3806115	380611	25/08/1995 3:45:00 PM	29/08/1995 4:28:00 PM
MT-01-001	14.9	3808771	380877	29/08/1995 4:28:00 PM	01/09/1995 9:22:00 AM
MT-01-001	12.625	3801165	380116	01/09/1995 9:22:00 AM	04/09/1995 4:00:00 PM
MT-01-001	14.9	3808777	380877	04/09/1995 4:00:00 PM	07/09/1995 8:54:00 AM
MT-01-001	0.8611	3812381	381238	11/09/1995 9:30:00 AM	11/09/1995 10:22:00 AM
MT-01-001	0.8611	38123810	381238	11/09/1995 10:22:00 AM	11/09/1995 11:14:00 AM
MT-01-001	0.8611	38123819	381238	11/09/1995 11:14:00 AM	11/09/1995 1:06:00 PM
MT-01-001	0.8611	38123828	381238	11/09/1995 1:06:00 PM	11/09/1995 1:58:00 PM
MT-01-001	0.4	3812391	381239	11/09/1995 1:58:00 PM	11/09/1995 2:22:00 PM
MT-01-001	0.4	38123910	381239	11/09/1995 2:22:00 PM	11/09/1995 2:46:00 PM
MT-01-001	0.4	38123919	381239	11/09/1995 2:46:00 PM	11/09/1995 3:10:00 PM
MT-01-001	8.9	3808785	380878	11/09/1995 3:10:00 PM	13/09/1995 9:04:00 AM
MT-01-001	8.9	3808788	380878	13/09/1995 9:04:00 AM	14/09/1995 10:58:00 AM
MT-01-001	8.25	3806914	380691	14/09/1995 10:58:00 AM	15/09/1995 1:13:00 PM
MT-01-001	21.3	3804653	380465	15/09/1995 1:13:00 PM	20/09/1995 1:31:00 PM
MT-01-001	2.8	3811373	381137	20/09/1995 1:31:00 PM	20/09/1995 4:19:00 PM
MT-01-002	11.2	3610892	361089	17/08/1995 9:30:00 AM	18/08/1995 2:42:00 PM
MT-01-002	1.1667	3712014	371201	18/08/1995 2:42:00 PM	18/08/1995 3:52:00 PM
MT-01-002	27.55	3800011	380001	18/08/1995 3:52:00 PM	24/08/1995 3:25:00 PM
MT-01-002	242.5	3701202	370120	24/08/1995 3:25:00 PM	12/10/1995 11:55:00 AM
MT-01-003	11.2	3610893	361089	17/08/1995 9:30:00 AM	18/08/1995 2:42:00 PM
MT-01-003	1.1667	3712015	371201	18/08/1995 2:42:00 PM	18/08/1995 3:52:00 PM
MT-01-003	27.55	3800012	380001	18/08/1995 3:52:00 PM	24/08/1995 3:25:00 PM
MT-01-003	4.166	3801449	380144	24/08/1995 3:25:00 PM	25/08/1995 11:35:00 AM
MT-01-003	26	3802581	380258	25/08/1995 11:35:00 AM	31/08/1995 9:35:00 AM
MT-01-003	12.625	3801161	380116	31/08/1995 9:35:00 AM	01/09/1995 4:13:00 PM
MT-01-003	12.625	3801168	380116	01/09/1995 4:13:00 PM	05/09/1995 2:51:00 PM
MT-01-003	5	3807191	380719	05/09/1995 2:51:00 PM	06/09/1995 11:51:00 AM
MT-01-003	12.625	3807672	380767	06/09/1995 11:51:00 AM	08/09/1995 10:29:00 AM
MT-01-003	0.8611	3812388	381238	11/09/1995 9:30:00 AM	11/09/1995 10:22:00 AM
MT-01-003	0.8611	38123811	381238	11/09/1995 10:22:00 AM	11/09/1995 11:14:00 AM
MT-01-003	0.8611	38123820	381238	11/09/1995 11:14:00 AM	11/09/1995 1:06:00 PM
MT-01-003	0.8611	38123829	381238	11/09/1995 1:06:00 PM	11/09/1995 1:58:00 PM
MT-01-003	0.4	3812392	381239	11/09/1995 1:58:00 PM	11/09/1995 2:22:00 PM
MT-01-003	0.4	38123911	381239	11/09/1995 2:22:00 PM	11/09/1995 2:46:00 PM

M/C CODE	HOUR	MS	MSS	DATE start	Date finish
MT-01-003	0.4	38123920	381239	11/09/1995 2:46:00 PM	11/09/1995 3:10:00 PM
MT-01-003	8.9	3808786	380878	11/09/1995 3:10:00 PM	13/09/1995 9:04:00 AM
MT-01-003	8.9	3808789	380878	13/09/1995 9:04:00 AM	14/09/1995 10:58:00 AM
MT-01-003	8.25	3806915	380691	14/09/1995 10:58:00 AM	15/09/1995 1:13:00 PM
MT-01-003	21.3	3804654	380465	15/09/1995 1:13:00 PM	20/09/1995 1:31:00 PM
MT-01-003	2.8	3811374	381137	20/09/1995 1:31:00 PM	20/09/1995 4:19:00 PM
MT-01-004	11.2	3610894	361089	17/08/1995 9:30:00 AM	18/08/1995 2:42:00 PM
MT-01-004	1.1667	3712016	371201	18/08/1995 2:42:00 PM	18/08/1995 3:52:00 PM
MT-01-004	27.55	3800013	380001	18/08/1995 3:52:00 PM	24/08/1995 3:25:00 PM
MT-01-004	4.166	38014410	380144	24/08/1995 3:25:00 PM	25/08/1995 11:35:00 AM
MT-01-004	14.71	3806111	380611	25/08/1995 11:35:00 AM	29/08/1995 1:18:00 PM
MT-01-004	14.71	3806117	380611	29/08/1995 1:18:00 PM	31/08/1995 2:01:00 PM
MT-01-004	12.625	3801163	380116	31/08/1995 2:01:00 PM	04/09/1995 11:39:00 AM
MT-01-004	14.9	3808773	380877	04/09/1995 11:39:00 AM	06/09/1995 1:33:00 PM
MT-01-004	14.9	38087710	380877	06/09/1995 1:33:00 PM	08/09/1995 2:27:00 PM
MT-01-004	0.8611	3812389	381238	11/09/1995 9:30:00 AM	11/09/1995 10:22:00 AM
MT-01-004	0.8611	38123812	381238	11/09/1995 10:22:00 AM	11/09/1995 11:14:00 AM
MT-01-004	0.8611	38123821	381238	11/09/1995 11:14:00 AM	11/09/1995 1:06:00 PM
MT-01-004	0.8611	38123830	381238	11/09/1995 1:06:00 PM	11/09/1995 1:58:00 PM
MT-01-004	0.4	3812393	381239	11/09/1995 1:58:00 PM	11/09/1995 2:22:00 PM
MT-01-004	0.4	38123912	381239	11/09/1995 2:22:00 PM	11/09/1995 2:46:00 PM
MT-01-004	12.625	3807674	380767	11/09/1995 2:46:00 PM	13/09/1995 1:24:00 PM
MT-01-004	8.9	38087810	380878	13/09/1995 1:24:00 PM	14/09/1995 3:18:00 PM
MT-01-004	8.25	3806916	380691	14/09/1995 3:18:00 PM	18/09/1995 8:33:00 AM
MT-01-004	21.3	3804655	380465	18/09/1995 8:33:00 AM	21/09/1995 8:51:00 AM
MT-01-005	11.2	3610895	361089	17/08/1995 9:30:00 AM	18/08/1995 2:42:00 PM
MT-01-005	1.1667	3712017	371201	18/08/1995 2:42:00 PM	18/08/1995 3:52:00 PM
MT-01-005	27.55	3800014	380001	18/08/1995 3:52:00 PM	24/08/1995 3:25:00 PM
MT-01-005	4.166	38014411	380144	24/08/1995 3:25:00 PM	25/08/1995 11:35:00 AM
MT-01-005	14.71	3806112	380611	25/08/1995 11:35:00 AM	29/08/1995 1:18:00 PM
MT-01-005	14.71	3806118	380611	29/08/1995 1:18:00 PM	31/08/1995 2:01:00 PM
MT-01-005	12.625	3801162	380116	31/08/1995 2:01:00 PM	04/09/1995 11:39:00 AM
MT-01-005	14.9	3808774	380877	04/09/1995 11:39:00 AM	06/09/1995 1:33:00 PM
MT-01-005	8.9	3808781	380878	06/09/1995 1:33:00 PM	07/09/1995 3:27:00 PM
MT-01-005	0.8611	3812384	381238	11/09/1995 9:30:00 AM	11/09/1995 10:22:00 AM
MT-01-005	0.8611	38123813	381238	11/09/1995 10:22:00 AM	11/09/1995 11:14:00 AM
MT-01-005	0.8611	38123822	381238	11/09/1995 11:14:00 AM	11/09/1995 1:06:00 PM
MT-01-005	0.8611	38123831	381238	11/09/1995 1:06:00 PM	11/09/1995 1:58:00 PM
MT-01-005	0.4	3812394	381239	11/09/1995 1:58:00 PM	11/09/1995 2:22:00 PM
MT-01-005	0.4	38123913	381239	11/09/1995 2:22:00 PM	11/09/1995 2:46:00 PM
MT-01-005	12.625	3807675	380767	11/09/1995 2:46:00 PM	13/09/1995 1:24:00 PM
MT-01-005	4.833	3810581	381058	13/09/1995 1:24:00 PM	14/09/1995 10:14:00 AM
MT-01-005	4.833	3810586	381058	14/09/1995 10:14:00 AM	14/09/1995 4:04:00 PM
MT-01-005	8.25	3806917	380691	14/09/1995 4:04:00 PM	18/09/1995 9:19:00 AM
MT-01-005	21.3	3804656	380465	18/09/1995 9:19:00 AM	21/09/1995 9:37:00 AM

M/C CODE	HOUR	MS	MSS	DATE start	Date finish
MT-01-006	11.2	3610896	361089	17/08/1995 9:30:00 AM	18/08/1995 2:42:00 PM
MT-01-006	1.1667	3712018	371201	18/08/1995 2:42:00 PM	18/08/1995 3:52:00 PM
MT-01-006	27.55	3800015	380001	18/08/1995 3:52:00 PM	24/08/1995 3:25:00 PM
MT-01-006	4.166	38014412	380144	24/08/1995 3:25:00 PM	25/08/1995 11:35:00 AM
MT-01-006	14.71	3806113	380611	25/08/1995 11:35:00 AM	29/08/1995 1:18:00 PM
MT-01-006	14.71	3806119	380611	29/08/1995 1:18:00 PM	31/08/1995 2:01:00 PM
MT-01-006	4.5	3805484	380548	31/08/1995 2:01:00 PM	01/09/1995 10:31:00 AM
MT-01-006	12.625	3801166	380116	01/09/1995 10:31:00 AM	05/09/1995 9:09:00 AM
MT-01-006	14.9	3808778	380877	05/09/1995 9:09:00 AM	07/09/1995 10:03:00 AM
MT-01-006	0.8611	3812382	381238	11/09/1995 9:30:00 AM	11/09/1995 10:22:00 AM
MT-01-006	0.8611	38123814	381238	11/09/1995 10:22:00 AM	11/09/1995 11:14:00 AM
MT-01-006	0.8611	38123823	381238	11/09/1995 11:14:00 AM	11/09/1995 1:06:00 PM
MT-01-006	0.8611	38123832	381238	11/09/1995 1:06:00 PM	11/09/1995 1:58:00 PM
MT-01-006	0.4	3812395	381239	11/09/1995 1:58:00 PM	11/09/1995 2:22:00 PM
MT-01-006	0.4	38123914	381239	11/09/1995 2:22:00 PM	11/09/1995 2:46:00 PM
MT-01-006	12.625	3807676	380767	11/09/1995 2:46:00 PM	13/09/1995 1:24:00 PM
MT-01-006	4.833	3810582	381058	13/09/1995 1:24:00 PM	14/09/1995 10:14:00 AM
MT-01-006	5	3810591	381059	14/09/1995 10:14:00 AM	14/09/1995 4:14:00 PM
MT-01-006	8.25	3806918	380691	14/09/1995 4:14:00 PM	18/09/1995 9:29:00 AM
MT-01-006	21.3	3804657	380465	18/09/1995 9:29:00 AM	21/09/1995 9:47:00 AM
MT-01-007	11.2	3610897	361089	17/08/1995 9:30:00 AM	18/08/1995 2:42:00 PM
MT-01-007	1.1667	3712019	371201	18/08/1995 2:42:00 PM	18/08/1995 3:52:00 PM
MT-01-007	27.55	3800016	380001	18/08/1995 3:52:00 PM	24/08/1995 3:25:00 PM
MT-01-007	21.6	3701321	370132	24/08/1995 3:25:00 PM	29/08/1995 4:01:00 PM
MT-01-007	94.5	3807051	380705	29/08/1995 4:01:00 PM	18/09/1995 11:31:00 AM
MT-01-007	21.3	3804659	380465	18/09/1995 11:31:00 AM	21/09/1995 11:49:00 AM
MT-01-008	11.2	3610898	361089	17/08/1995 9:30:00 AM	18/08/1995 2:42:00 PM
MT-01-008	1.1667	37120110	371201	18/08/1995 2:42:00 PM	18/08/1995 3:52:00 PM
MT-01-008	27.55	3800017	380001	18/08/1995 3:52:00 PM	24/08/1995 3:25:00 PM
MT-01-008	21.6	3701322	370132	24/08/1995 3:25:00 PM	29/08/1995 4:01:00 PM
MT-01-008	4.5	3805481	380548	29/08/1995 4:01:00 PM	30/08/1995 1:31:00 PM
MT-01-008	178.25	3701192	370119	30/08/1995 1:31:00 PM	05/10/1995 8:46:00 AM
MT-01-009	11.2	3610899	361089	17/08/1995 9:30:00 AM	18/08/1995 2:42:00 PM
MT-01-009	1.1667	37120111	371201	18/08/1995 2:42:00 PM	18/08/1995 3:52:00 PM
MT-01-009	27.55	3800018	380001	18/08/1995 3:52:00 PM	24/08/1995 3:25:00 PM
MT-01-009	11.6	3802051	380205	24/08/1995 3:25:00 PM	28/08/1995 1:01:00 PM
MT-01-009	178.25	3701191	370119	28/08/1995 1:01:00 PM	02/10/1995 4:16:00 PM
MT-01-010	11.2	36108910	361089	17/08/1995 9:30:00 AM	18/08/1995 2:42:00 PM
MT-01-010	1.1667	37120112	371201	18/08/1995 2:42:00 PM	18/08/1995 3:52:00 PM
MT-01-010	27.55	3800019	380001	18/08/1995 3:52:00 PM	24/08/1995 3:25:00 PM
MT-01-010	11.6	3802052	380205	24/08/1995 3:25:00 PM	28/08/1995 1:01:00 PM
MT-01-010	14.71	3806116	380611	28/08/1995 1:01:00 PM	30/08/1995 1:44:00 PM
MT-01-010	4.5	3805482	380548	30/08/1995 1:44:00 PM	31/08/1995 10:14:00 AM
MT-01-010	4.5	3805483	380548	31/08/1995 10:14:00 AM	31/08/1995 3:44:00 PM
MT-01-010	4.5	3805487	380548	31/08/1995 3:44:00 PM	01/09/1995 1:14:00 PM

## SCHEDUL

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M/C CODE	HOUR	MS	MSS	DATE start	Date finish
MT-01-010	12.625	3801167	380116	01/09/1995 1:14:00 PM	05/09/1995 10:52:00 AM
MT-01-010	14.9	3808779	380877	05/09/1995 10:52:00 AM	07/09/1995 11:46:00 AM
MT-01-010	0.8611	3812383	381238	11/09/1995 9:30:00 AM	11/09/1995 10:22:00 AM
MT-01-010	0.8611	38123815	381238	11/09/1995 10:22:00 AM	11/09/1995 11:14:00 AM
MT-01-010	0.8611	38123824	381238	11/09/1995 11:14:00 AM	11/09/1995 1:06:00 PM
MT-01-010	0.8611	38123833	381238	11/09/1995 1:06:00 PM	11/09/1995 1:58:00 PM
MT-01-010	0.4	3812396	381239	11/09/1995 1:58:00 PM	11/09/1995 2:22:00 PM
MT-01-010	0.4	38123915	381239	11/09/1995 2:22:00 PM	11/09/1995 2:46:00 PM
MT-01-010	12.625	3807677	380767	11/09/1995 2:46:00 PM	13/09/1995 1:24:00 PM
MT-01-010	4.833	3810583	381058	13/09/1995 1:24:00 PM	14/09/1995 10:14:00 AM
MT-01-010	5	3810592	381059	14/09/1995 10:14:00 AM	14/09/1995 4:14:00 PM
MT-01-010	8.25	3806919	380691	14/09/1995 4:14:00 PM	18/09/1995 9:29:00 AM
MT-01-010	21.3	3804658	380465	18/09/1995 9:29:00 AM	21/09/1995 9:47:00 AM
MT-01-011	5.5	3704731	370473	17/08/1995 9:30:00 AM	17/08/1995 4:00:00 PM
MT-01-011	5.5	3704735	370473	17/08/1995 4:00:00 PM	18/08/1995 2:30:00 PM
MT-01-011	1.1667	3712011	371201	18/08/1995 2:30:00 PM	18/08/1995 3:40:00 PM
MT-01-011	1.1667	37120113	371201	18/08/1995 3:40:00 PM	21/08/1995 8:50:00 AM
MT-01-011	27.55	38000110	380001	21/08/1995 8:50:00 AM	24/08/1995 4:23:00 PM
MT-01-011	4.55	3802061	380206	24/08/1995 4:23:00 PM	25/08/1995 1:56:00 PM
MT-01-011	14.71	3806114	380611	25/08/1995 1:56:00 PM	29/08/1995 2:39:00 PM
MT-01-011	14.71	38061110	380611	29/08/1995 2:39:00 PM	31/08/1995 3:22:00 PM
MT-01-011	12.625	3801164	380116	31/08/1995 3:22:00 PM	04/09/1995 2:00:00 PM
MT-01-011	14.9	3808775	380877	04/09/1995 2:00:00 PM	06/09/1995 2:54:00 PM
MT-01-011	8.9	3808782	380878	06/09/1995 2:54:00 PM	08/09/1995 8:48:00 AM
MT-01-011	0.8611	3812386	381238	11/09/1995 9:30:00 AM	11/09/1995 10:22:00 AM
MT-01-011	0.8611	38123816	381238	11/09/1995 10:22:00 AM	11/09/1995 11:14:00 AM
MT-01-011	0.8611	38123825	381238	11/09/1995 11:14:00 AM	11/09/1995 1:06:00 PM
MT-01-011	0.8611	38123834	381238	11/09/1995 1:06:00 PM	11/09/1995 1:58:00 PM
MT-01-011	0.4	3812397	381239	11/09/1995 1:58:00 PM	11/09/1995 2:22:00 PM
MT-01-011	0.4	38123916	381239	11/09/1995 2:22:00 PM	11/09/1995 2:46:00 PM
MT-01-011	12.625	3807678	380767	11/09/1995 2:46:00 PM	13/09/1995 1:24:00 PM
MT-01-011	4.833	3810584	381058	13/09/1995 1:24:00 PM	14/09/1995 10:14:00 AM
MT-01-011	8.25	3806911	380691	14/09/1995 10:14:00 AM	15/09/1995 11:29:00 AM
MT-01-011	8.25	38069110	380691	15/09/1995 11:29:00 AM	18/09/1995 1:44:00 PM
MT-01-011	21.3	38046510	380465	18/09/1995 1:44:00 PM	21/09/1995 2:02:00 PM
MT-01-012	5.5	3704732	370473	17/08/1995 9:30:00 AM	17/08/1995 4:00:00 PM
MT-01-012	5.5	3704736	370473	17/08/1995 4:00:00 PM	18/08/1995 2:30:00 PM
MT-01-012	1.1667	3712012	371201	18/08/1995 2:30:00 PM	18/08/1995 3:40:00 PM
MT-01-012	1.1667	37120114	371201	18/08/1995 3:40:00 PM	21/08/1995 8:50:00 AM
MT-01-012	4.166	3801441	380144	21/08/1995 8:50:00 AM	21/08/1995 2:00:00 PM
MT-01-012	242.5	3701201	370120	21/08/1995 2:00:00 PM	09/10/1995 10:30:00 AM
MT-01-013	5.5	3704733	370473	17/08/1995 9:30:00 AM	17/08/1995 4:00:00 PM
MT-01-013	68.7	3701181	370118	17/08/1995 4:00:00 PM	31/08/1995 2:42:00 PM
MT-01-013	4.5	3805485	380548	31/08/1995 2:42:00 PM	01/09/1995 11:12:00 AM
MT-01-013	4.5	3805488	380548	01/09/1995 11:12:00 AM	04/09/1995 8:42:00 AM

M/C CODE	HOUR	MS	MSS	DATE start	Date finish
MT-01-013	4.5	38054810	380548	04/09/1995 8:42:00 AM	04/09/1995 2:12:00 PM
MT-01-013	14.9	3808776	380877	04/09/1995 2:12:00 PM	06/09/1995 3:06:00 PM
MT-01-013	8.9	3808783	380878	06/09/1995 3:06:00 PM	08/09/1995 9:00:00 AM
MT-01-013	0.8611	3812387	381238	11/09/1995 9:30:00 AM	11/09/1995 10:22:00 AM
MT-01-013	0.8611	38123817	381238	11/09/1995 10:22:00 AM	11/09/1995 11:14:00 AM
MT-01-013	0.8611	38123826	381238	11/09/1995 11:14:00 AM	11/09/1995 1:06:00 PM
MT-01-013	0.8611	38123835	381238	11/09/1995 1:06:00 PM	11/09/1995 1:58:00 PM
MT-01-013	0.4	3812398	381239	11/09/1995 1:58:00 PM	11/09/1995 2:22:00 PM
MT-01-013	0.4	38123917	381239	11/09/1995 2:22:00 PM	11/09/1995 2:46:00 PM
MT-01-013	12.625	3807673	380767	11/09/1995 2:46:00 PM	13/09/1995 1:24:00 PM
MT-01-013	4.833	3810585	381058	13/09/1995 1:24:00 PM	14/09/1995 10:14:00 AM
MT-01-013	8.25	3806912	380691	14/09/1995 10:14:00 AM	15/09/1995 11:29:00 AM
MT-01-013	21.3	3804651	380465	15/09/1995 11:29:00 AM	20/09/1995 11:47:00 AM
MT-01-013	2.8	3811371	381137	20/09/1995 11:47:00 AM	20/09/1995 3:35:00 PM
MT-01-013	2.8	3811375	381137	20/09/1995 3:35:00 PM	21/09/1995 10:23:00 AM
MT-01-014	5.5	3704734	370473	17/08/1995 9:30:00 AM	17/08/1995 4:00:00 PM
MT-01-014	68.7	3701182	370118	17/08/1995 4:00:00 PM	31/08/1995 2:42:00 PM
MT-01-014	4.5	3805486	380548	31/08/1995 2:42:00 PM	01/09/1995 11:12:00 AM
MT-01-014	4.5	3805489	380548	01/09/1995 11:12:00 AM	04/09/1995 8:42:00 AM
MT-01-014	14.9	3808772	380877	04/09/1995 8:42:00 AM	06/09/1995 9:36:00 AM
MT-01-014	12.625	3807671	380767	06/09/1995 9:36:00 AM	07/09/1995 4:14:00 PM
MT-01-014	0.8611	3812385	381238	11/09/1995 9:30:00 AM	11/09/1995 10:22:00 AM
MT-01-014	0.8611	38123818	381238	11/09/1995 10:22:00 AM	11/09/1995 11:14:00 AM
MT-01-014	0.8611	38123827	381238	11/09/1995 11:14:00 AM	11/09/1995 1:06:00 PM
MT-01-014	0.8611	38123836	381238	11/09/1995 1:06:00 PM	11/09/1995 1:58:00 PM
MT-01-014	0.4	3812399	381239	11/09/1995 1:58:00 PM	11/09/1995 2:22:00 PM
MT-01-014	0.4	38123918	381239	11/09/1995 2:22:00 PM	11/09/1995 2:46:00 PM
MT-01-014	8.9	3808784	380878	11/09/1995 2:46:00 PM	13/09/1995 8:40:00 AM
MT-01-014	8.9	3808787	380878	13/09/1995 8:40:00 AM	14/09/1995 10:34:00 AM
MT-01-014	8.25	3806913	380691	14/09/1995 10:34:00 AM	15/09/1995 11:49:00 AM
MT-01-014	21.3	3804652	380465	15/09/1995 11:49:00 AM	20/09/1995 1:07:00 PM
MT-01-014	2.8	3811372	381137	20/09/1995 1:07:00 PM	20/09/1995 3:55:00 PM
MT-01-014	2.8	3811376	381137	20/09/1995 3:55:00 PM	21/09/1995 10:43:00 AM
PC-01-001	0.45	3805481	380548	17/08/1995 9:30:00 AM	17/08/1995 9:57:00 AM
PC-01-001	0.45	3805482	380548	17/08/1995 9:57:00 AM	17/08/1995 10:24:00 AM
PC-01-001	0.45	3805483	380548	17/08/1995 10:24:00 AM	17/08/1995 10:51:00 AM
PC-01-001	0.45	3805484	380548	17/08/1995 10:51:00 AM	17/08/1995 11:18:00 AM
PC-01-001	0.45	3805485	380548	17/08/1995 11:18:00 AM	17/08/1995 11:45:00 AM
PC-01-001	0.45	3805486	380548	17/08/1995 11:45:00 AM	17/08/1995 1:12:00 PM
PC-01-001	0.45	3805487	380548	17/08/1995 1:12:00 PM	17/08/1995 1:39:00 PM
PC-01-001	0.45	3805488	380548	17/08/1995 1:39:00 PM	17/08/1995 2:06:00 PM
PC-01-001	0.45	3805489	380548	17/08/1995 2:06:00 PM	17/08/1995 2:33:00 PM
PC-01-001	0.45	38054810	380548	17/08/1995 2:33:00 PM	17/08/1995 3:00:00 PM
PC-01-001	2.4	3804651	380465	17/08/1995 3:00:00 PM	18/08/1995 9:24:00 AM
PC-01-001	2.4	3804652	380465	18/08/1995 9:24:00 AM	18/08/1995 11:48:00 AM



M/C CODE	HOUR	MS	MSS	DATE start	Date finish
PC-01-001	2.4	3804653	380465	18/08/1995 11:48:00 AM	18/08/1995 3:12:00 PM
PC-01-001	2.4	3804654	380465	18/08/1995 3:12:00 PM	21/08/1995 9:36:00 AM
PC-01-001	2.4	3804655	380465	21/08/1995 9:36:00 AM	21/08/1995 1:00:00 PM
PC-01-001	2.4	3804656	380465	21/08/1995 1:00:00 PM	21/08/1995 3:24:00 PM
PC-01-001	2.4	3804657	380465	21/08/1995 3:24:00 PM	22/08/1995 9:48:00 AM
PC-01-001	2.4	3804658	380465	22/08/1995 9:48:00 AM	22/08/1995 1:12:00 PM
PC-01-001	2.4	3804659	380465	22/08/1995 1:12:00 PM	22/08/1995 3:36:00 PM
PC-01-001	2.4	38046510	380465	22/08/1995 3:36:00 PM	23/08/1995 10:00:00 AM
PC-01-001	10.5	3810481	381048	23/08/1995 10:00:00 AM	24/08/1995 2:30:00 PM
PC-01-001	0.55	3811461	381146	24/08/1995 2:30:00 PM	24/08/1995 3:03:00 PM
PC-01-001	0.55	3811462	381146	24/08/1995 3:03:00 PM	24/08/1995 3:36:00 PM
PC-01-001	0.55	3811463	381146	24/08/1995 3:36:00 PM	24/08/1995 4:09:00 PM
PC-01-001	0.55	3811464	381146	24/08/1995 4:09:00 PM	25/08/1995 8:42:00 AM
PC-01-001	0.55	3811465	381146	25/08/1995 8:42:00 AM	25/08/1995 9:15:00 AM
PC-01-001	0.55	3811466	381146	25/08/1995 9:15:00 AM	25/08/1995 9:48:00 AM
PC-01-001	0.55	3811467	381146	25/08/1995 9:48:00 AM	25/08/1995 10:21:00 AM
PC-01-001	0.55	3811468	381146	25/08/1995 10:21:00 AM	25/08/1995 10:54:00 AM
PC-01-001	0.55	3811469	381146	25/08/1995 10:54:00 AM	25/08/1995 11:27:00 AM
PC-01-001	0.55	38114610	381146	25/08/1995 11:27:00 AM	25/08/1995 1:00:00 PM
PU-01-001	9	3801701	380170	21/08/1995 1:00:00 PM	22/08/1995 3:00:00 PM
PU-01-001	6	3702111	370211	05/09/1995 3:00:00 PM	06/09/1995 2:00:00 PM
PU-01-002	3	3811641	381164	23/08/1995 9:30:00 AM	23/08/1995 1:30:00 PM
PU-01-002	13	3702891	370289	12/09/1995 4:00:00 PM	14/09/1995 3:00:00 PM
PU-01-003	3	3807051	380705	22/08/1995 2:30:00 PM	23/08/1995 9:30:00 AM
PU-01-003	1.5	3812251	381225	06/09/1995 9:30:00 AM	06/09/1995 11:00:00 AM
PU-01-004	3.5	3808751	380875	23/08/1995 9:30:00 AM	23/08/1995 2:00:00 PM
PU-01-004	2	3812621	381262	18/09/1995 9:30:00 AM	18/09/1995 11:30:00 AM
PU-01-005	10	3811171	381117	25/08/1995 11:30:00 AM	28/08/1995 3:30:00 PM
PU-01-005	10	3703431	370343	18/09/1995 2:30:00 PM	20/09/1995 9:30:00 AM
PU-01-006	3.5	3701891	370189	01/09/1995 9:00:00 AM	01/09/1995 1:30:00 PM
PU-01-006	5	3800321	380032	19/09/1995 10:42:00 AM	20/09/1995 8:42:00 AM
QA-01-001	0.3	3809921	380992	17/08/1995 2:00:00 PM	17/08/1995 2:18:00 PM
QA-01-001	0.3	3809925	380992	18/08/1995 3:00:00 PM	18/08/1995 3:18:00 PM
QA-01-001	0.3	3809927	380992	21/08/1995 11:00:00 AM	21/08/1995 11:18:00 AM
QA-01-001	0.3	3809928	380992	22/08/1995 9:30:00 AM	22/08/1995 9:48:00 AM
QA-01-001	0.2	3610891	361089	22/08/1995 11:17:00 AM	22/08/1995 11:29:00 AM
QA-01-001	0.3	3809929	380992	22/08/1995 11:30:00 AM	22/08/1995 11:48:00 AM
QA-01-001	2.7333	3704733	370473	22/08/1995 2:50:00 PM	23/08/1995 9:34:00 AM
QA-01-001	0.2	3610898	361089	23/08/1995 10:11:00 AM	23/08/1995 10:23:00 AM
QA-01-001	0.2	36108910	361089	23/08/1995 2:08:00 PM	23/08/1995 2:20:00 PM
QA-01-001	1.7	3712014	371201	24/08/1995 3:16:00 PM	25/08/1995 8:58:00 AM
QA-01-001	0.143	3808176	380817	25/08/1995 11:34:00 AM	25/08/1995 11:43:00 AM
QA-01-001	0.375	38014412	380144	25/08/1995 11:43:00 AM	25/08/1995 1:05:00 PM
QA-01-001	0.143	3808174	380817	25/08/1995 1:37:00 PM	25/08/1995 1:46:00 PM
QA-01-001	3	3801701	380170	25/08/1995 3:40:00 PM	28/08/1995 10:40:00 AM

M/C CODE	HOUR	MS	MSS	DATE start	Date finish
QA-01-001	4	3801581	380158	29/08/1995 8:50:00 AM	29/08/1995 1:50:00 PM
QA-01-001	1.7	3712018	371201	30/08/1995 1:56:00 PM	30/08/1995 3:38:00 PM
QA-01-001	2.7	3800012	380001	31/08/1995 3:06:00 PM	01/09/1995 9:48:00 AM
QA-01-001	2.7	3800014	380001	01/09/1995 3:15:00 PM	04/09/1995 9:57:00 AM
QA-01-001	1.7	37120111	371201	04/09/1995 11:56:00 AM	04/09/1995 2:38:00 PM
QA-01-001	2.7	3800019	380001	04/09/1995 3:51:00 PM	05/09/1995 10:33:00 AM
QA-01-001	0.6667	3702983	370298	06/09/1995 10:10:00 AM	06/09/1995 10:50:00 AM
QA-01-001	0.6667	3702985	370298	06/09/1995 1:50:00 PM	06/09/1995 2:30:00 PM
QA-01-001	0.9167	3702966	370296	07/09/1995 10:30:00 AM	07/09/1995 11:25:00 AM
QA-01-001	0.7	3808781	380878	07/09/1995 3:27:00 PM	07/09/1995 4:09:00 PM
QA-01-001	1.7	37120115	371201	08/09/1995 10:36:00 AM	08/09/1995 1:18:00 PM
QA-01-001	0.6667	3702254	370225	11/09/1995 11:35:00 AM	11/09/1995 1:15:00 PM
QA-01-001	1.875	3812242	381224	12/09/1995 10:00:00 AM	12/09/1995 11:52:00 AM
QA-01-001	1.875	3812246	381224	12/09/1995 11:52:00 AM	12/09/1995 2:44:00 PM
QA-01-001	1.875	38122410	381224	12/09/1995 3:06:00 PM	13/09/1995 8:58:00 AM
QA-01-001	1.875	38122413	381224	13/09/1995 8:58:00 AM	13/09/1995 10:50:00 AM
QA-01-001	0.125	3801161	380116	14/09/1995 10:02:00 AM	14/09/1995 10:10:00 AM
QA-01-001	0.6667	3810583	381058	14/09/1995 10:24:00 AM	14/09/1995 11:04:00 AM
QA-01-001	0.7	3808787	380878	14/09/1995 11:04:00 AM	14/09/1995 11:46:00 AM
QA-01-001	1	3703212	370321	14/09/1995 3:00:00 PM	14/09/1995 4:00:00 PM
QA-01-001	0.125	3801164	380116	14/09/1995 4:00:00 PM	14/09/1995 4:08:00 PM
QA-01-001	1.5	3810591	381059	14/09/1995 4:14:00 PM	15/09/1995 9:44:00 AM
QA-01-001	0.35	3806912	380691	15/09/1995 11:29:00 AM	15/09/1995 11:50:00 AM
QA-01-001	0.35	3806915	380691	15/09/1995 1:13:00 PM	15/09/1995 1:34:00 PM
QA-01-001	0.35	3806918	380691	18/09/1995 9:29:00 AM	18/09/1995 9:50:00 AM
QA-01-001	0.125	3801168	380116	18/09/1995 9:56:00 AM	18/09/1995 10:04:00 AM
QA-01-001	0.35	38069110	380691	18/09/1995 1:44:00 PM	18/09/1995 2:05:00 PM
QA-01-001	0.5	3812691	381269	20/09/1995 9:54:00 AM	20/09/1995 10:24:00 AM
QA-01-001	0.95	3804652	380465	20/09/1995 1:07:00 PM	20/09/1995 2:04:00 PM
QA-01-001	0.5	3812692	381269	20/09/1995 2:04:00 PM	20/09/1995 2:34:00 PM
QA-01-002	0.3	3809922	380992	17/08/1995 4:00:00 PM	17/08/1995 4:18:00 PM
QA-01-002	1	3811091	381109	18/08/1995 3:45:00 PM	21/08/1995 8:45:00 AM
QA-01-002	0.375	3801441	380144	21/08/1995 2:00:00 PM	21/08/1995 2:22:00 PM
QA-01-002	2.7333	3704731	370473	22/08/1995 10:10:00 AM	22/08/1995 1:54:00 PM
QA-01-002	0.2	3610894	361089	22/08/1995 3:14:00 PM	22/08/1995 3:26:00 PM
QA-01-002	0.2	3610896	361089	22/08/1995 3:26:00 PM	22/08/1995 3:38:00 PM
QA-01-002	1.7	3712012	371201	22/08/1995 3:56:00 PM	23/08/1995 9:38:00 AM
QA-01-002	0.2	3610899	361089	23/08/1995 10:11:00 AM	23/08/1995 10:23:00 AM
QA-01-002	1.7	3712013	371201	23/08/1995 3:36:00 PM	24/08/1995 9:18:00 AM
QA-01-002	0.143	3808175	380817	25/08/1995 10:52:00 AM	25/08/1995 11:01:00 AM
QA-01-002	0.375	38014410	380144	25/08/1995 11:35:00 AM	25/08/1995 11:57:00 AM
QA-01-002	0.143	3808172	380817	25/08/1995 11:57:00 AM	25/08/1995 1:06:00 PM
QA-01-002	1.7	3712015	371201	25/08/1995 2:56:00 PM	28/08/1995 8:38:00 AM
QA-01-002	1.7	3712016	371201	28/08/1995 2:36:00 PM	28/08/1995 4:18:00 PM
QA-01-002	1.7	3712017	371201	29/08/1995 2:16:00 PM	29/08/1995 3:58:00 PM



M/C CODE	HOUR	MS	MSS	DATE start	Date finish
QA-01-002	1.7	3712019	371201	31/08/1995 1:36:00 PM	31/08/1995 3:18:00 PM
QA-01-002	0.6667	3702972	370297	01/09/1995 8:40:00 AM	01/09/1995 9:20:00 AM
QA-01-002	0.9167	3702962	370296	01/09/1995 11:10:00 AM	01/09/1995 1:05:00 PM
QA-01-002	2.7	3800016	380001	01/09/1995 3:33:00 PM	04/09/1995 10:15:00 AM
QA-01-002	2.7	3800017	380001	04/09/1995 3:33:00 PM	05/09/1995 10:15:00 AM
QA-01-002	1.7	37120112	371201	05/09/1995 11:36:00 AM	05/09/1995 2:18:00 PM
QA-01-002	1.7	37120113	371201	06/09/1995 11:16:00 AM	06/09/1995 1:58:00 PM
QA-01-002	4	3807191	380719	06/09/1995 3:51:00 PM	07/09/1995 11:51:00 AM
QA-01-002	0.7	3808782	380878	08/09/1995 8:48:00 AM	08/09/1995 9:30:00 AM
QA-01-002	0.6667	3702973	370297	08/09/1995 2:40:00 PM	08/09/1995 3:20:00 PM
QA-01-002	2	3705661	370566	11/09/1995 3:01:00 PM	12/09/1995 9:01:00 AM
QA-01-002	0.6667	3702256	370225	12/09/1995 10:45:00 AM	12/09/1995 11:25:00 AM
QA-01-002	1.875	3812245	381224	12/09/1995 11:36:00 AM	12/09/1995 2:28:00 PM
QA-01-002	1.875	3812249	381224	12/09/1995 2:28:00 PM	12/09/1995 4:20:00 PM
QA-01-002	0.7	3808784	380878	13/09/1995 8:40:00 AM	13/09/1995 9:22:00 AM
QA-01-002	0.7	3808785	380878	13/09/1995 9:22:00 AM	13/09/1995 10:04:00 AM
QA-01-002	0.7	3808786	380878	13/09/1995 10:04:00 AM	13/09/1995 10:46:00 AM
QA-01-002	1.875	38122416	381224	13/09/1995 10:46:00 AM	13/09/1995 1:38:00 PM
QA-01-002	0.6667	3810582	381058	14/09/1995 10:24:00 AM	14/09/1995 11:04:00 AM
QA-01-002	0.7	3808788	380878	14/09/1995 11:04:00 AM	14/09/1995 11:46:00 AM
QA-01-002	1.6	3806111	380611	14/09/1995 3:12:00 PM	15/09/1995 8:48:00 AM
QA-01-002	0.6667	3810586	381058	15/09/1995 8:48:00 AM	15/09/1995 9:28:00 AM
QA-01-002	0.35	3806911	380691	15/09/1995 11:29:00 AM	15/09/1995 11:50:00 AM
QA-01-002	0.125	3801165	380116	15/09/1995 1:18:00 PM	15/09/1995 1:26:00 PM
QA-01-002	0.35	3806916	380691	18/09/1995 8:33:00 AM	18/09/1995 8:54:00 AM
QA-01-002	1.6	3806112	380611	18/09/1995 9:54:00 AM	18/09/1995 11:30:00 AM
QA-01-002	1.6	3806114	380611	19/09/1995 1:36:00 PM	19/09/1995 3:12:00 PM
QA-01-002	0.95	3804651	380465	20/09/1995 11:47:00 AM	20/09/1995 1:44:00 PM
QA-01-002	0.95	3804654	380465	20/09/1995 1:44:00 PM	20/09/1995 2:41:00 PM
QA-01-003	0.3	3809923	380992	18/08/1995 10:00:00 AM	18/08/1995 10:18:00 AM
QA-01-003	1	3811092	381109	18/08/1995 3:45:00 PM	21/08/1995 8:45:00 AM
QA-01-003	0.375	3801442	380144	21/08/1995 2:12:00 PM	21/08/1995 2:34:00 PM
QA-01-003	0.375	3801443	380144	22/08/1995 10:22:00 AM	22/08/1995 10:44:00 AM
QA-01-003	0.2	3610893	361089	22/08/1995 11:17:00 AM	22/08/1995 11:29:00 AM
QA-01-003	2.7333	3704732	370473	22/08/1995 1:00:00 PM	22/08/1995 3:44:00 PM
QA-01-003	0.5	3811361	381136	23/08/1995 9:30:00 AM	23/08/1995 10:00:00 AM
QA-01-003	0.375	3801445	380144	23/08/1995 11:42:00 AM	23/08/1995 1:04:00 PM
QA-01-003	0.375	3801447	380144	24/08/1995 2:02:00 PM	24/08/1995 2:24:00 PM
QA-01-003	0.143	3808171	380817	25/08/1995 11:13:00 AM	25/08/1995 11:22:00 AM
QA-01-003	0.375	38014411	380144	25/08/1995 11:35:00 AM	25/08/1995 11:57:00 AM
QA-01-003	0.143	3808173	380817	25/08/1995 1:16:00 PM	25/08/1995 1:25:00 PM
QA-01-003	2.7333	3704735	370473	25/08/1995 3:11:00 PM	28/08/1995 9:55:00 AM
QA-01-003	2	3808751	380875	28/08/1995 4:30:00 PM	29/08/1995 10:30:00 AM
QA-01-003	3	3811171	381117	29/08/1995 2:28:00 PM	30/08/1995 9:28:00 AM
QA-01-003	2.7	3800011	380001	31/08/1995 2:57:00 PM	01/09/1995 9:39:00 AM

M/C CODE	HOUR	MS	MSS	DATE start	Date finish
QA-01-003	1.7	37120110	371201	01/09/1995 1:16:00 PM	01/09/1995 2:58:00 PM
QA-01-003	0.9167	3702964	370296	04/09/1995 11:30:00 AM	04/09/1995 1:25:00 PM
QA-01-003	2.7	3800018	380001	04/09/1995 3:42:00 PM	05/09/1995 10:24:00 AM
QA-01-003	2.7	38000110	380001	05/09/1995 3:51:00 PM	06/09/1995 10:33:00 AM
QA-01-003	0.6667	3702984	370298	06/09/1995 11:30:00 AM	06/09/1995 1:10:00 PM
QA-01-003	0.6667	3702986	370298	06/09/1995 3:10:00 PM	06/09/1995 3:50:00 PM
QA-01-003	1.7	37120114	371201	07/09/1995 10:56:00 AM	07/09/1995 1:38:00 PM
QA-01-003	0.7	3808783	380878	08/09/1995 9:00:00 AM	08/09/1995 9:42:00 AM
QA-01-003	0.6667	3702252	370225	08/09/1995 3:15:00 PM	08/09/1995 3:55:00 PM
QA-01-003	0.6667	3702255	370225	11/09/1995 3:40:00 PM	11/09/1995 4:20:00 PM
QA-01-003	1.875	3812243	381224	12/09/1995 10:00:00 AM	12/09/1995 11:52:00 AM
QA-01-003	1.875	3812247	381224	12/09/1995 1:30:00 PM	12/09/1995 3:22:00 PM
QA-01-003	1.875	38122411	381224	12/09/1995 3:48:00 PM	13/09/1995 9:40:00 AM
QA-01-003	1.875	38122414	381224	13/09/1995 9:40:00 AM	13/09/1995 11:32:00 AM
QA-01-003	0.125	3801162	380116	14/09/1995 10:02:00 AM	14/09/1995 10:10:00 AM
QA-01-003	0.6667	3810584	381058	14/09/1995 10:24:00 AM	14/09/1995 11:04:00 AM
QA-01-003	0.7	3808789	380878	14/09/1995 11:04:00 AM	14/09/1995 11:46:00 AM
QA-01-003	0.7	38087810	380878	14/09/1995 3:18:00 PM	14/09/1995 4:00:00 PM
QA-01-003	0.125	3801163	380116	14/09/1995 4:00:00 PM	14/09/1995 4:08:00 PM
QA-01-003	1.5	3810592	381059	14/09/1995 4:14:00 PM	15/09/1995 9:44:00 AM
QA-01-003	0.35	3806913	380691	15/09/1995 11:49:00 AM	15/09/1995 1:10:00 PM
QA-01-003	0.125	3801166	380116	15/09/1995 1:18:00 PM	15/09/1995 1:26:00 PM
QA-01-003	0.35	3806917	380691	18/09/1995 9:19:00 AM	18/09/1995 9:40:00 AM
QA-01-003	0.125	3801167	380116	18/09/1995 9:56:00 AM	18/09/1995 10:04:00 AM
QA-01-003	1.6	3806113	380611	19/09/1995 10:50:00 AM	19/09/1995 1:26:00 PM
QA-01-003	3	3810932	381093	20/09/1995 10:22:00 AM	20/09/1995 2:22:00 PM
QA-01-004	0.3	3809924	380992	18/08/1995 1:00:00 PM	18/08/1995 1:18:00 PM
QA-01-004	0.3	3809926	380992	21/08/1995 9:00:00 AM	21/08/1995 9:18:00 AM
QA-01-004	1.7	3712011	371201	21/08/1995 4:16:00 PM	22/08/1995 9:58:00 AM
QA-01-004	0.2	3610892	361089	22/08/1995 11:17:00 AM	22/08/1995 11:29:00 AM
QA-01-004	0.3	38099210	380992	22/08/1995 2:30:00 PM	22/08/1995 2:48:00 PM
QA-01-004	0.2	3610895	361089	22/08/1995 3:14:00 PM	22/08/1995 3:26:00 PM
QA-01-004	0.375	3801444	380144	22/08/1995 3:32:00 PM	22/08/1995 3:54:00 PM
QA-01-004	0.2	3610897	361089	23/08/1995 10:11:00 AM	23/08/1995 10:23:00 AM
QA-01-004	0.375	3801446	380144	24/08/1995 8:52:00 AM	24/08/1995 9:14:00 AM
QA-01-004	0.375	3801448	380144	25/08/1995 10:12:00 AM	25/08/1995 10:34:00 AM
QA-01-004	0.375	3801449	380144	25/08/1995 11:35:00 AM	25/08/1995 11:57:00 AM
QA-01-004	2.7333	3704734	370473	25/08/1995 1:21:00 PM	25/08/1995 4:05:00 PM
QA-01-004	0.143	3808177	380817	25/08/1995 4:20:00 PM	25/08/1995 4:29:00 PM
QA-01-004	2.7333	3704736	370473	28/08/1995 9:01:00 AM	28/08/1995 11:45:00 AM
QA-01-004	0.9167	3702963	370296	29/08/1995 1:10:00 PM	29/08/1995 2:05:00 PM
QA-01-004	0.9167	3702961	370296	30/08/1995 4:10:00 PM	31/08/1995 9:05:00 AM
QA-01-004	2.7	3800013	380001	31/08/1995 3:15:00 PM	01/09/1995 9:57:00 AM
QA-01-004	2.7	3800015	380001	01/09/1995 3:24:00 PM	04/09/1995 10:06:00 AM
QA-01-004	0.9167	3702965	370296	04/09/1995 3:10:00 PM	04/09/1995 4:05:00 PM

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QA-01-004	1	3702991	370299	04/09/1995 4:20:00 PM	05/09/1995 9:20:00 AM
QA-01-004	1	3702992	370299	05/09/1995 11:00:00 AM	05/09/1995 1:00:00 PM
QA-01-004	4.25	3710551	371055	06/09/1995 11:00:00 AM	06/09/1995 4:15:00 PM
QA-01-004	0.6667	3702971	370297	07/09/1995 2:20:00 PM	07/09/1995 3:00:00 PM
QA-01-004	0.6667	3702251	370225	08/09/1995 9:20:00 AM	08/09/1995 10:00:00 AM
QA-01-004	0.6667	3702253	370225	11/09/1995 8:45:00 AM	11/09/1995 9:25:00 AM
QA-01-004	1.875	3812241	381224	12/09/1995 9:18:00 AM	12/09/1995 11:10:00 AM
QA-01-004	1.875	3812244	381224	12/09/1995 11:10:00 AM	12/09/1995 2:02:00 PM
QA-01-004	1.875	3812248	381224	12/09/1995 2:12:00 PM	12/09/1995 4:04:00 PM
QA-01-004	1.875	38122412	381224	12/09/1995 4:04:00 PM	13/09/1995 9:56:00 AM
QA-01-004	1.875	38122415	381224	13/09/1995 9:56:00 AM	13/09/1995 11:48:00 AM
QA-01-004	0.6667	3810581	381058	14/09/1995 10:24:00 AM	14/09/1995 11:04:00 AM
QA-01-004	0.6667	3810585	381058	14/09/1995 11:04:00 AM	14/09/1995 11:44:00 AM
QA-01-004	1	3703211	370321	14/09/1995 1:00:00 PM	14/09/1995 2:00:00 PM
QA-01-004	3.5	3701891	370189	14/09/1995 3:20:00 PM	15/09/1995 10:50:00 AM
QA-01-004	0.35	3806914	380691	15/09/1995 1:13:00 PM	15/09/1995 1:34:00 PM
QA-01-004	0.35	3806919	380691	18/09/1995 9:29:00 AM	18/09/1995 9:50:00 AM
QA-01-004	2	3702111	370211	18/09/1995 10:48:00 AM	18/09/1995 1:48:00 PM
QA-01-004	3	3810931	381093	20/09/1995 8:46:00 AM	20/09/1995 11:46:00 AM
QA-01-004	0.95	3804653	380465	20/09/1995 1:31:00 PM	20/09/1995 2:28:00 PM
RO-01-001	10	3702951	370295	17/08/1995 3:50:00 PM	21/08/1995 10:50:00 AM
RO-01-001	10	3702953	370295	21/08/1995 10:50:00 AM	22/08/1995 2:50:00 PM
RO-01-001	10	3702955	370295	22/08/1995 2:50:00 PM	24/08/1995 9:50:00 AM
RO-01-001	10	3702956	370295	24/08/1995 9:50:00 AM	25/08/1995 1:50:00 PM
RO-01-001	10	3702972	370297	25/08/1995 1:50:00 PM	29/08/1995 8:50:00 AM
RO-01-001	10	3702964	370296	29/08/1995 8:50:00 AM	30/08/1995 11:50:00 AM
RO-01-001	10	3702991	370299	30/08/1995 11:50:00 AM	31/08/1995 3:50:00 PM
RO-01-001	10	3702966	370296	31/08/1995 3:50:00 PM	04/09/1995 10:50:00 AM
RO-01-001	10	3702973	370297	04/09/1995 10:50:00 AM	05/09/1995 2:50:00 PM
RO-01-001	4	3701891	370189	05/09/1995 2:50:00 PM	06/09/1995 10:50:00 AM
RO-01-001	12	3702111	370211	06/09/1995 4:00:00 PM	08/09/1995 2:00:00 PM
RO-01-001	10	3703211	370321	08/09/1995 4:30:00 PM	12/09/1995 11:30:00 AM
RO-01-001	122	3702891	370289	14/09/1995 3:00:00 PM	10/10/1995 10:00:00 AM
RO-01-002	1	3810761	381076	17/08/1995 10:45:00 AM	17/08/1995 11:45:00 AM
RO-01-002	1	3810762	381076	17/08/1995 11:45:00 AM	17/08/1995 1:45:00 PM
RO-01-002	1	3810763	381076	17/08/1995 1:45:00 PM	17/08/1995 2:45:00 PM
RO-01-002	1	3810764	381076	17/08/1995 2:45:00 PM	17/08/1995 3:45:00 PM
RO-01-003	10	3702952	370295	18/08/1995 10:30:00 AM	21/08/1995 2:30:00 PM
RO-01-003	10	3702954	370295	21/08/1995 2:30:00 PM	23/08/1995 9:30:00 AM
RO-01-003	10	3702963	370296	23/08/1995 9:30:00 AM	24/08/1995 1:30:00 PM
RO-01-003	10	3702961	370296	24/08/1995 1:30:00 PM	28/08/1995 8:30:00 AM
RO-01-003	10	3702962	370296	28/08/1995 8:30:00 AM	29/08/1995 11:30:00 AM
RO-01-003	10	3702965	370296	29/08/1995 11:30:00 AM	30/08/1995 3:30:00 PM
RO-01-003	10	3702992	370299	30/08/1995 3:30:00 PM	01/09/1995 10:30:00 AM
RO-01-003	10	3702971	370297	01/09/1995 10:30:00 AM	04/09/1995 2:30:00 PM

M/C CODE	HOUR	MS	MSS	DATE start	Date finish
RO-01-003	1.3333	3702981	370298	04/09/1995 2:30:00 PM	04/09/1995 3:50:00 PM
RO-01-003	1.3333	3702982	370298	04/09/1995 3:50:00 PM	05/09/1995 9:10:00 AM
RO-01-003	1.3333	3702983	370298	05/09/1995 9:10:00 AM	05/09/1995 10:30:00 AM
RO-01-003	1.3333	3702984	370298	05/09/1995 10:30:00 AM	05/09/1995 11:50:00 AM
RO-01-003	1.3333	3702985	370298	05/09/1995 11:50:00 AM	05/09/1995 2:10:00 PM
RO-01-003	1.3333	3702986	370298	05/09/1995 2:10:00 PM	05/09/1995 3:30:00 PM
RO-01-003	1.5	3702251	370225	06/09/1995 10:35:00 AM	06/09/1995 1:05:00 PM
RO-01-003	1.5	3702252	370225	06/09/1995 4:30:00 PM	07/09/1995 10:00:00 AM
RO-01-003	1.5	3702253	370225	07/09/1995 10:00:00 AM	07/09/1995 11:30:00 AM
RO-01-003	1.5	3702254	370225	07/09/1995 1:50:00 PM	07/09/1995 3:20:00 PM
RO-01-003	1.5	3702255	370225	08/09/1995 8:55:00 AM	08/09/1995 10:25:00 AM
RO-01-003	1.5	3702256	370225	08/09/1995 1:00:00 PM	08/09/1995 2:30:00 PM
RO-01-003	10	3703212	370321	11/09/1995 10:30:00 AM	12/09/1995 2:30:00 PM
RO-01-003	13	3703431	370343	20/09/1995 9:30:00 AM	22/09/1995 8:30:00 AM
SH-01-001	1.5	3701181	370118	17/08/1995 9:30:00 AM	17/08/1995 11:00:00 AM
SH-01-001	1.5	3701182	370118	17/08/1995 11:00:00 AM	17/08/1995 1:30:00 PM
SH-01-001	0.2	3800011	380001	17/08/1995 1:30:00 PM	17/08/1995 1:42:00 PM
SH-01-001	0.2	3800012	380001	17/08/1995 1:42:00 PM	17/08/1995 1:54:00 PM
SH-01-001	0.2	3800013	380001	17/08/1995 1:54:00 PM	17/08/1995 2:06:00 PM
SH-01-001	0.2	3800014	380001	17/08/1995 2:06:00 PM	17/08/1995 2:18:00 PM
SH-01-001	0.2	3800015	380001	17/08/1995 2:18:00 PM	17/08/1995 2:30:00 PM
SH-01-001	0.2	3800016	380001	17/08/1995 2:30:00 PM	17/08/1995 2:42:00 PM
SH-01-001	0.2	3800017	380001	17/08/1995 2:42:00 PM	17/08/1995 2:54:00 PM
SH-01-001	0.2	3800018	380001	17/08/1995 2:54:00 PM	17/08/1995 3:06:00 PM
SH-01-001	0.2	3800019	380001	17/08/1995 3:06:00 PM	17/08/1995 3:18:00 PM
SH-01-001	0.2	38000110	380001	17/08/1995 3:18:00 PM	17/08/1995 3:30:00 PM
SH-01-001	11.5	3801701	380170	17/08/1995 3:30:00 PM	21/08/1995 1:00:00 PM
SH-01-001	3.25	3802061	380206	21/08/1995 1:00:00 PM	21/08/1995 4:15:00 PM
SH-01-001	3.25	3802062	380206	21/08/1995 4:15:00 PM	22/08/1995 11:30:00 AM
SH-01-001	2	3807051	380705	22/08/1995 11:30:00 AM	22/08/1995 2:30:00 PM
SH-01-001	3	3808751	380875	22/08/1995 2:30:00 PM	23/08/1995 9:30:00 AM
SH-01-001	1.4	3806491	380649	23/08/1995 9:30:00 AM	23/08/1995 10:54:00 AM
SH-01-001	1.4	3806492	380649	23/08/1995 10:54:00 AM	23/08/1995 1:18:00 PM
SH-01-001	1.4	3806493	380649	23/08/1995 1:18:00 PM	23/08/1995 2:42:00 PM
SH-01-001	1.4	3806494	380649	23/08/1995 2:42:00 PM	23/08/1995 4:06:00 PM
SH-01-001	1.4	3806495	380649	23/08/1995 4:06:00 PM	24/08/1995 9:30:00 AM
SH-01-001	6	3801581	380158	24/08/1995 9:30:00 AM	24/08/1995 4:30:00 PM
SH-01-001	3	3811171	381117	24/08/1995 4:30:00 PM	25/08/1995 11:30:00 AM
SH-01-001	36	3800321	380032	12/09/1995 9:42:00 AM	19/09/1995 10:42:00 AM
SH-01-001	0.75	3807591	380759	19/09/1995 10:42:00 AM	19/09/1995 11:27:00 AM
SH-01-001	0.75	3807592	380759	19/09/1995 11:27:00 AM	19/09/1995 1:12:00 PM
SH-01-001	0.75	3807593	380759	19/09/1995 1:12:00 PM	19/09/1995 1:57:00 PM
SH-01-001	0.75	3807594	380759	19/09/1995 1:57:00 PM	19/09/1995 2:42:00 PM
SH-01-002	131.5	3702891	370289	17/08/1995 9:30:00 AM	12/09/1995 4:00:00 PM
SH-01-002	1	3812131	381213	12/09/1995 4:00:00 PM	13/09/1995 9:00:00 AM

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SH-01-002	1	3812132	381213	13/09/1995 9:00:00 AM	13/09/1995 10:00:00 AM
SH-01-002	1	3812133	381213	13/09/1995 10:00:00 AM	13/09/1995 11:00:00 AM
SH-01-002	1	3812134	381213	13/09/1995 11:00:00 AM	13/09/1995 1:00:00 PM
SH-01-002	71	3709431	370943	13/09/1995 1:00:00 PM	27/09/1995 2:00:00 PM
SH-01-003	2.6667	3702951	370295	17/08/1995 9:30:00 AM	17/08/1995 1:10:00 PM
SH-01-003	2.6667	3702952	370295	17/08/1995 1:10:00 PM	17/08/1995 3:50:00 PM
SH-01-003	2.6667	3702953	370295	17/08/1995 3:50:00 PM	18/08/1995 10:30:00 AM
SH-01-003	2.6667	3702954	370295	18/08/1995 10:30:00 AM	18/08/1995 2:10:00 PM
SH-01-003	2.6667	3702955	370295	18/08/1995 2:10:00 PM	21/08/1995 8:50:00 AM
SH-01-003	2.6667	3702956	370295	21/08/1995 8:50:00 AM	21/08/1995 11:30:00 AM
SH-01-003	2.6667	3702961	370296	21/08/1995 11:30:00 AM	21/08/1995 3:10:00 PM
SH-01-003	2.6667	3702962	370296	21/08/1995 3:10:00 PM	22/08/1995 9:50:00 AM
SH-01-003	2.6667	3702963	370296	22/08/1995 9:50:00 AM	22/08/1995 1:30:00 PM
SH-01-003	2.6667	3702964	370296	22/08/1995 1:30:00 PM	22/08/1995 4:10:00 PM
SH-01-003	2.6667	3702965	370296	22/08/1995 4:10:00 PM	23/08/1995 10:50:00 AM
SH-01-003	2.6667	3702966	370296	23/08/1995 10:50:00 AM	23/08/1995 2:30:00 PM
SH-01-003	2.6667	3702971	370297	23/08/1995 2:30:00 PM	24/08/1995 9:10:00 AM
SH-01-003	2.6667	3702972	370297	24/08/1995 9:10:00 AM	24/08/1995 11:50:00 AM
SH-01-003	2.6667	3702973	370297	24/08/1995 11:50:00 AM	24/08/1995 3:30:00 PM
SH-01-003	3.25	3702981	370298	24/08/1995 3:30:00 PM	25/08/1995 10:45:00 AM
SH-01-003	3.25	3702982	370298	25/08/1995 10:45:00 AM	25/08/1995 3:00:00 PM
SH-01-003	3.25	3702983	370298	25/08/1995 3:00:00 PM	28/08/1995 10:15:00 AM
SH-01-003	3.25	3702984	370298	28/08/1995 10:15:00 AM	28/08/1995 2:30:00 PM
SH-01-003	3.25	3702985	370298	28/08/1995 2:30:00 PM	29/08/1995 9:45:00 AM
SH-01-003	3.25	3702986	370298	29/08/1995 9:45:00 AM	29/08/1995 2:00:00 PM
SH-01-003	2	3702991	370299	29/08/1995 2:00:00 PM	29/08/1995 4:00:00 PM
SH-01-003	2	3702992	370299	29/08/1995 4:00:00 PM	30/08/1995 10:00:00 AM
SH-01-003	13	3701891	370189	30/08/1995 10:00:00 AM	01/09/1995 9:00:00 AM
SH-01-003	19	3702111	370211	01/09/1995 9:00:00 AM	05/09/1995 3:00:00 PM
SH-01-003	3.0833	3702251	370225	05/09/1995 3:00:00 PM	06/09/1995 10:05:00 AM
SH-01-003	3.0833	3702252	370225	06/09/1995 10:05:00 AM	06/09/1995 2:10:00 PM
SH-01-003	3.0833	3702253	370225	06/09/1995 2:10:00 PM	07/09/1995 9:15:00 AM
SH-01-003	3.0833	3702254	370225	07/09/1995 9:15:00 AM	07/09/1995 1:20:00 PM
SH-01-003	3.0833	3702255	370225	07/09/1995 1:20:00 PM	07/09/1995 4:25:00 PM
SH-01-003	3.0833	3702256	370225	07/09/1995 4:25:00 PM	08/09/1995 11:30:00 AM
SH-01-003	2	3703211	370321	08/09/1995 11:30:00 AM	08/09/1995 2:30:00 PM
SH-01-003	2	3703212	370321	08/09/1995 2:30:00 PM	08/09/1995 4:30:00 PM
SH-01-003	40	3703431	370343	08/09/1995 4:30:00 PM	18/09/1995 2:30:00 PM
SH-01-003	24.833	3703651	370365	18/09/1995 2:30:00 PM	22/09/1995 10:20:00 AM
SP-01-002	21	3705661	370566	17/08/1995 9:30:00 AM	22/08/1995 9:30:00 AM
SP-01-002	3.786	3808171	380817	22/08/1995 9:30:00 AM	22/08/1995 2:17:00 PM
SP-01-002	3.786	3808172	380817	22/08/1995 2:17:00 PM	23/08/1995 10:04:00 AM
SP-01-002	3.786	3808173	380817	23/08/1995 10:04:00 AM	23/08/1995 2:51:00 PM
SP-01-002	3.786	3808174	380817	23/08/1995 2:51:00 PM	24/08/1995 10:38:00 AM
SP-01-002	3.786	3808175	380817	24/08/1995 10:38:00 AM	24/08/1995 3:25:00 PM

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SP-01-002	3.786	3808176	380817	24/08/1995 3:25:00 PM	25/08/1995 11:12:00 AM
SP-01-002	3.786	3808177	380817	25/08/1995 11:12:00 AM	25/08/1995 3:59:00 PM
SV-01-001	0.9333	3712011	371201	21/08/1995 3:20:00 PM	21/08/1995 4:16:00 PM
SV-01-001	0.9333	3712012	371201	22/08/1995 3:00:00 PM	22/08/1995 3:56:00 PM
SV-01-001	0.9333	3712013	371201	23/08/1995 2:40:00 PM	23/08/1995 3:36:00 PM
SV-01-001	0.9333	3712014	371201	24/08/1995 2:20:00 PM	24/08/1995 3:16:00 PM
SV-01-001	0.9333	3712015	371201	25/08/1995 2:00:00 PM	25/08/1995 2:56:00 PM
SV-01-001	0.9333	3712016	371201	28/08/1995 1:40:00 PM	28/08/1995 2:36:00 PM
SV-01-001	0.9333	3712017	371201	29/08/1995 1:20:00 PM	29/08/1995 2:16:00 PM
SV-01-001	0.9333	3712018	371201	30/08/1995 1:00:00 PM	30/08/1995 1:56:00 PM
SV-01-001	0.9333	3712019	371201	31/08/1995 11:40:00 AM	31/08/1995 1:36:00 PM
SV-01-001	0.9333	37120110	371201	01/09/1995 11:20:00 AM	01/09/1995 1:16:00 PM
SV-01-001	0.9333	37120111	371201	04/09/1995 11:00:00 AM	04/09/1995 11:56:00 AM
SV-01-001	0.9333	37120112	371201	05/09/1995 10:40:00 AM	05/09/1995 11:36:00 AM
SV-01-001	0.9333	37120113	371201	06/09/1995 10:20:00 AM	06/09/1995 11:16:00 AM
SV-01-001	0.9333	37120114	371201	07/09/1995 10:00:00 AM	07/09/1995 10:56:00 AM
SV-01-001	0.9333	37120115	371201	08/09/1995 9:40:00 AM	08/09/1995 10:36:00 AM
TB-01-001	0.1667	3809911	380991	17/08/1995 9:30:00 AM	17/08/1995 9:40:00 AM
TB-01-001	0.1667	3809912	380991	17/08/1995 9:40:00 AM	17/08/1995 9:50:00 AM
TB-01-001	0.1667	3809913	380991	17/08/1995 9:50:00 AM	17/08/1995 10:00:00 AM
TB-01-001	0.1667	3809914	380991	17/08/1995 10:00:00 AM	17/08/1995 10:10:00 AM
TB-01-001	0.1667	3809915	380991	17/08/1995 10:10:00 AM	17/08/1995 10:20:00 AM
TB-01-001	0.1667	3809916	380991	17/08/1995 10:20:00 AM	17/08/1995 10:30:00 AM
TB-01-001	0.1667	3809917	380991	17/08/1995 10:30:00 AM	17/08/1995 10:40:00 AM
TB-01-001	0.1667	3809918	380991	17/08/1995 10:40:00 AM	17/08/1995 10:50:00 AM
TB-01-001	0.1667	3809919	380991	17/08/1995 10:50:00 AM	17/08/1995 11:00:00 AM
TB-01-001	2	3809921	380992	17/08/1995 11:00:00 AM	17/08/1995 2:00:00 PM
TB-01-001	2	3809922	380992	17/08/1995 2:00:00 PM	17/08/1995 4:00:00 PM
TB-01-001	2	3809923	380992	17/08/1995 4:00:00 PM	18/08/1995 10:00:00 AM
TB-01-001	2	3809924	380992	18/08/1995 10:00:00 AM	18/08/1995 1:00:00 PM
TB-01-001	2	3809925	380992	18/08/1995 1:00:00 PM	18/08/1995 3:00:00 PM
TB-01-001	2	3809926	380992	18/08/1995 3:00:00 PM	21/08/1995 9:00:00 AM
TB-01-001	2	3809927	380992	21/08/1995 9:00:00 AM	21/08/1995 11:00:00 AM
TB-01-001	0.1667	38099110	380991	21/08/1995 11:00:00 AM	21/08/1995 11:10:00 AM
TB-01-001	0.1667	38099111	380991	21/08/1995 11:10:00 AM	21/08/1995 11:20:00 AM
TB-01-001	0.1667	38099112	380991	21/08/1995 11:20:00 AM	21/08/1995 11:30:00 AM
TB-01-001	0.1667	38099113	380991	21/08/1995 11:30:00 AM	21/08/1995 11:40:00 AM
TB-01-001	0.1667	38099114	380991	21/08/1995 11:40:00 AM	21/08/1995 11:50:00 AM
TB-01-001	0.1667	38099115	380991	21/08/1995 11:50:00 AM	21/08/1995 1:00:00 PM
TB-01-001	0.1667	38099116	380991	21/08/1995 1:00:00 PM	21/08/1995 1:10:00 PM
TB-01-001	0.1667	38099117	380991	21/08/1995 1:10:00 PM	21/08/1995 1:20:00 PM
TB-01-001	0.1667	38099118	380991	21/08/1995 1:20:00 PM	21/08/1995 1:30:00 PM
TB-01-001	0.1667	38099119	380991	21/08/1995 1:30:00 PM	21/08/1995 1:40:00 PM
TB-01-001	0.1667	38099120	380991	21/08/1995 1:40:00 PM	21/08/1995 1:50:00 PM
TB-01-001	0.1667	38099121	380991	21/08/1995 1:50:00 PM	21/08/1995 2:00:00 PM



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TB-01-001	0.1667	38099122	380991	21/08/1995 2:00:00 PM	21/08/1995 2:10:00 PM
TB-01-001	0.1667	38099123	380991	21/08/1995 2:10:00 PM	21/08/1995 2:20:00 PM
TB-01-001	0.1667	38099124	380991	21/08/1995 2:20:00 PM	21/08/1995 2:30:00 PM
TB-01-001	0.1667	38099125	380991	21/08/1995 2:30:00 PM	21/08/1995 2:40:00 PM
TB-01-001	0.1667	38099126	380991	21/08/1995 2:40:00 PM	21/08/1995 2:50:00 PM
TB-01-001	0.1667	38099127	380991	21/08/1995 2:50:00 PM	21/08/1995 3:00:00 PM
TB-01-001	0.1667	38099128	380991	21/08/1995 3:00:00 PM	21/08/1995 3:10:00 PM
TB-01-001	0.1667	38099129	380991	21/08/1995 3:10:00 PM	21/08/1995 3:20:00 PM
TB-01-001	0.1667	38099130	380991	21/08/1995 3:20:00 PM	21/08/1995 3:30:00 PM
TB-01-001	2	3809928	380992	21/08/1995 3:30:00 PM	22/08/1995 9:30:00 AM
TB-01-001	2	3809929	380992	22/08/1995 9:30:00 AM	22/08/1995 11:30:00 AM
TB-01-001	2	38099210	380992	22/08/1995 11:30:00 AM	22/08/1995 2:30:00 PM
TB-01-001	3	3811361	381136	22/08/1995 2:30:00 PM	23/08/1995 9:30:00 AM
TB-01-001	35	3812161	381216	05/09/1995 9:30:00 AM	12/09/1995 9:30:00 AM
TB-01-001	1.125	3812401	381240	14/09/1995 9:30:00 AM	14/09/1995 10:38:00 AM
TB-01-001	1.125	3812402	381240	14/09/1995 10:38:00 AM	14/09/1995 11:46:00 AM
TB-01-001	1.125	3812403	381240	14/09/1995 11:46:00 AM	14/09/1995 1:54:00 PM
TB-01-001	1.125	3812404	381240	14/09/1995 1:54:00 PM	14/09/1995 3:02:00 PM
TB-01-001	1.125	3812405	381240	14/09/1995 3:02:00 PM	14/09/1995 4:10:00 PM
TB-01-001	1.125	3812406	381240	14/09/1995 4:10:00 PM	15/09/1995 9:18:00 AM
TB-01-001	1.125	3812407	381240	15/09/1995 9:18:00 AM	15/09/1995 10:26:00 AM
TB-01-001	1.125	3812408	381240	15/09/1995 10:26:00 AM	15/09/1995 11:34:00 AM
TB-01-001	3	3812331	381233	15/09/1995 11:34:00 AM	15/09/1995 3:34:00 PM
TB-01-001	3	3812332	381233	15/09/1995 3:34:00 PM	18/09/1995 10:34:00 AM
TB-01-001	3	3812333	381233	18/09/1995 10:34:00 AM	18/09/1995 2:34:00 PM
TB-01-001	3	3812334	381233	18/09/1995 2:34:00 PM	19/09/1995 9:34:00 AM
TB-01-001	3	3812335	381233	19/09/1995 9:34:00 AM	19/09/1995 1:34:00 PM
TB-01-001	3	3812336	381233	19/09/1995 1:34:00 PM	20/09/1995 8:34:00 AM
TB-01-001	0.5	3812711	381271	20/09/1995 9:30:00 AM	20/09/1995 10:00:00 AM
TB-01-001	0.5	3812712	381271	20/09/1995 10:00:00 AM	20/09/1995 10:30:00 AM
TB-01-001	0.5	3812713	381271	20/09/1995 10:30:00 AM	20/09/1995 11:00:00 AM
TB-01-001	0.5	3812714	381271	20/09/1995 11:00:00 AM	20/09/1995 11:30:00 AM
TB-01-001	0.5	3812715	381271	20/09/1995 11:30:00 AM	20/09/1995 1:00:00 PM
TB-01-001	0.5	3812716	381271	20/09/1995 1:00:00 PM	20/09/1995 1:30:00 PM
TB-01-001	0.5	3812717	381271	20/09/1995 1:30:00 PM	20/09/1995 2:00:00 PM
TB-01-001	0.5	3812718	381271	20/09/1995 2:00:00 PM	20/09/1995 2:30:00 PM
TB-01-001	0.5	3812719	381271	20/09/1995 2:30:00 PM	20/09/1995 3:00:00 PM
TB-01-001	0.5	38127110	381271	20/09/1995 3:00:00 PM	20/09/1995 3:30:00 PM
TB-01-001	0.5	38127111	381271	20/09/1995 3:30:00 PM	20/09/1995 4:00:00 PM
TB-01-001	0.5	38127112	381271	20/09/1995 4:00:00 PM	20/09/1995 4:30:00 PM
VT-01-001	93	3710551	371055	17/08/1995 9:30:00 AM	05/09/1995 11:30:00 AM
VT-01-001	56	3701181	370118	05/09/1995 11:30:00 AM	15/09/1995 11:30:00 AM
VT-01-001	56	3701182	370118	15/09/1995 11:30:00 AM	27/09/1995 11:30:00 AM
WD-01-001	4	3807051	380705	23/08/1995 9:30:00 AM	23/08/1995 2:30:00 PM
WD-01-001	7.3	3800013	380001	30/08/1995 1:27:00 PM	31/08/1995 1:45:00 PM

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WD-01-001	7.3	3800016	380001	31/08/1995 1:45:00 PM	01/09/1995 2:03:00 PM
WD-01-001	7.3	3800019	380001	01/09/1995 2:03:00 PM	04/09/1995 2:21:00 PM
WD-01-002	7.3	3800011	380001	30/08/1995 1:09:00 PM	31/08/1995 1:27:00 PM
WD-01-002	7.3	3800014	380001	31/08/1995 1:27:00 PM	01/09/1995 1:45:00 PM
WD-01-002	7.3	3800017	380001	01/09/1995 1:45:00 PM	04/09/1995 2:03:00 PM
WD-01-002	7.3	38000110	380001	04/09/1995 2:03:00 PM	05/09/1995 2:21:00 PM
WD-01-003	7.3	3800012	380001	30/08/1995 1:18:00 PM	31/08/1995 1:36:00 PM
WD-01-003	7.3	3800015	380001	31/08/1995 1:36:00 PM	01/09/1995 1:54:00 PM
WD-01-003	7.3	3800018	380001	01/09/1995 1:54:00 PM	04/09/1995 2:12:00 PM
WD-01-004	0.5	3810751	381075	17/08/1995 9:30:00 AM	17/08/1995 10:00:00 AM
WD-01-004	1.6	3809727	380972	17/08/1995 10:00:00 AM	17/08/1995 11:36:00 AM
WD-01-004	16	3702953	370295	22/08/1995 2:50:00 PM	25/08/1995 8:50:00 AM
WD-01-004	0.625	3801161	380116	30/08/1995 4:11:00 PM	31/08/1995 8:49:00 AM
WD-01-004	2.25	3811933	381193	05/09/1995 9:30:00 AM	05/09/1995 11:45:00 AM
WD-01-004	1	3812251	381225	06/09/1995 11:00:00 AM	06/09/1995 1:00:00 PM
WD-01-004	0.625	3807678	380767	08/09/1995 10:08:00 AM	08/09/1995 10:46:00 AM
WD-01-004	12	3703211	370321	12/09/1995 11:30:00 AM	14/09/1995 9:30:00 AM
WD-01-005	0.5	3810752	381075	17/08/1995 9:30:00 AM	17/08/1995 10:00:00 AM
WD-01-005	1.6	3809728	380972	17/08/1995 10:00:00 AM	17/08/1995 11:36:00 AM
WD-01-005	0.4	3804659	380465	22/08/1995 3:36:00 PM	22/08/1995 4:00:00 PM
WD-01-005	2.5	3806495	380649	28/08/1995 3:20:00 PM	29/08/1995 9:50:00 AM
WD-01-005	0.625	3801168	380116	01/09/1995 1:58:00 PM	01/09/1995 2:36:00 PM
WD-01-005	0.625	3807671	380767	05/09/1995 2:39:00 PM	05/09/1995 3:17:00 PM
WD-01-005	6.0833	3702253	370225	07/09/1995 11:30:00 AM	08/09/1995 10:35:00 AM
WD-01-005	0.3	38069110	380691	11/09/1995 1:56:00 PM	11/09/1995 2:14:00 PM
WD-01-006	0.5	3810753	381075	17/08/1995 9:30:00 AM	17/08/1995 10:00:00 AM
WD-01-006	1.6	3809729	380972	17/08/1995 10:00:00 AM	17/08/1995 11:36:00 AM
WD-01-006	16	3702954	370295	23/08/1995 9:30:00 AM	25/08/1995 11:30:00 AM
WD-01-006	0.625	3801162	380116	31/08/1995 9:52:00 AM	31/08/1995 10:30:00 AM
WD-01-006	2.25	3811934	381193	05/09/1995 9:30:00 AM	05/09/1995 11:45:00 AM
WD-01-006	6.0833	3702251	370225	06/09/1995 1:05:00 PM	07/09/1995 11:10:00 AM
WD-01-006	0.3	3806914	380691	11/09/1995 8:44:00 AM	11/09/1995 9:02:00 AM
WD-01-006	26	3810931	381093	13/09/1995 2:16:00 PM	19/09/1995 11:16:00 AM
WD-01-007	0.5	3810754	381075	17/08/1995 9:30:00 AM	17/08/1995 10:00:00 AM
WD-01-007	1.6	38097210	380972	17/08/1995 10:00:00 AM	17/08/1995 11:36:00 AM
WD-01-007	0.4	38046510	380465	23/08/1995 10:00:00 AM	23/08/1995 10:24:00 AM
WD-01-007	16	3702972	370297	29/08/1995 8:50:00 AM	31/08/1995 10:50:00 AM
WD-01-007	16	3702966	370296	04/09/1995 10:50:00 AM	06/09/1995 1:50:00 PM
WD-01-007	0.3	3806911	380691	08/09/1995 11:32:00 AM	08/09/1995 11:50:00 AM
WD-01-007	12	3703212	370321	12/09/1995 2:30:00 PM	14/09/1995 11:30:00 AM
WD-01-008	0.5	3810755	381075	17/08/1995 9:30:00 AM	17/08/1995 10:00:00 AM
WD-01-008	6.25	3811091	381109	17/08/1995 10:00:00 AM	18/08/1995 9:15:00 AM
WD-01-008	16	3702955	370295	24/08/1995 9:50:00 AM	28/08/1995 11:50:00 AM
WD-01-008	0.625	3801163	380116	31/08/1995 11:33:00 AM	31/08/1995 1:11:00 PM
WD-01-008	16	3702971	370297	04/09/1995 2:30:00 PM	07/09/1995 8:30:00 AM



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WD-01-008	18	3702111	370211	08/09/1995 2:00:00 PM	13/09/1995 10:00:00 AM
WD-01-009	0.5	3810756	381075	17/08/1995 9:30:00 AM	17/08/1995 10:00:00 AM
WD-01-009	6.25	3811092	381109	17/08/1995 10:00:00 AM	18/08/1995 9:15:00 AM
WD-01-009	16	3702963	370296	24/08/1995 1:30:00 PM	28/08/1995 3:30:00 PM
WD-01-009	0.625	3801164	380116	31/08/1995 2:14:00 PM	31/08/1995 2:52:00 PM
WD-01-009	5.8333	3702982	370298	05/09/1995 9:10:00 AM	05/09/1995 4:00:00 PM
WD-01-009	0.625	3807675	380767	07/09/1995 1:05:00 PM	07/09/1995 1:43:00 PM
WD-01-009	0.3	3806915	380691	11/09/1995 9:54:00 AM	11/09/1995 10:12:00 AM
WD-01-009	26	3810932	381093	13/09/1995 3:52:00 PM	19/09/1995 1:52:00 PM
WD-01-010	0.5	3810757	381075	17/08/1995 9:30:00 AM	17/08/1995 10:00:00 AM
WD-01-010	0.4	3804651	380465	18/08/1995 9:24:00 AM	18/08/1995 9:48:00 AM
WD-01-010	2	3810481	381048	24/08/1995 2:30:00 PM	24/08/1995 4:30:00 PM
WD-01-010	16	3702965	370296	30/08/1995 3:30:00 PM	04/09/1995 9:30:00 AM
WD-01-010	5.8333	3702986	370298	05/09/1995 3:30:00 PM	06/09/1995 2:20:00 PM
WD-01-010	0.3	3806912	380691	08/09/1995 1:56:00 PM	08/09/1995 2:14:00 PM
WD-01-010	3	3812131	381213	13/09/1995 11:30:00 AM	13/09/1995 3:30:00 PM
WD-01-011	0.5	3810758	381075	17/08/1995 9:30:00 AM	17/08/1995 10:00:00 AM
WD-01-011	0.4	3804652	380465	18/08/1995 11:48:00 AM	18/08/1995 1:12:00 PM
WD-01-011	16	3702956	370295	25/08/1995 1:50:00 PM	29/08/1995 3:50:00 PM
WD-01-011	2.25	3811931	381193	05/09/1995 9:30:00 AM	05/09/1995 11:45:00 AM
WD-01-011	0.625	3807673	380767	07/09/1995 8:43:00 AM	07/09/1995 9:21:00 AM
WD-01-011	6.0833	3702256	370225	08/09/1995 2:30:00 PM	11/09/1995 1:35:00 PM
WD-01-011	26	3812671	381267	20/09/1995 9:30:00 AM	25/09/1995 3:30:00 PM
WD-01-012	0.5	3810759	381075	17/08/1995 9:30:00 AM	17/08/1995 10:00:00 AM
WD-01-012	0.4	3804653	380465	18/08/1995 3:12:00 PM	18/08/1995 3:36:00 PM
WD-01-012	16	3702961	370296	28/08/1995 8:30:00 AM	30/08/1995 10:30:00 AM
WD-01-012	2.25	3811932	381193	05/09/1995 9:30:00 AM	05/09/1995 11:45:00 AM
WD-01-012	6.0833	3702252	370225	07/09/1995 10:00:00 AM	08/09/1995 9:05:00 AM
WD-01-012	0.3	3806918	380691	11/09/1995 11:32:00 AM	11/09/1995 11:50:00 AM
WD-01-012	3	3812134	381213	14/09/1995 1:00:00 PM	14/09/1995 4:00:00 PM
WD-01-013	0.5	38107510	381075	17/08/1995 9:30:00 AM	17/08/1995 10:00:00 AM
WD-01-013	0.4	3804654	380465	21/08/1995 9:36:00 AM	21/08/1995 10:00:00 AM
WD-01-013	3	3808751	380875	28/08/1995 1:30:00 PM	28/08/1995 4:30:00 PM
WD-01-013	0.625	3801165	380116	31/08/1995 3:55:00 PM	01/09/1995 8:33:00 AM
WD-01-013	5.8333	3702983	370298	05/09/1995 10:30:00 AM	06/09/1995 9:20:00 AM
WD-01-013	6.0833	3702254	370225	07/09/1995 3:20:00 PM	08/09/1995 2:25:00 PM
WD-01-013	29.333	3807301	380730	13/09/1995 11:40:00 AM	19/09/1995 2:00:00 PM
WD-01-014	1.6	3809721	380972	17/08/1995 9:30:00 AM	17/08/1995 11:06:00 AM
WD-01-014	16	3702951	370295	21/08/1995 10:50:00 AM	23/08/1995 1:50:00 PM
WD-01-014	16	3702962	370296	29/08/1995 11:30:00 AM	31/08/1995 2:30:00 PM
WD-01-014	5.8333	3702981	370298	04/09/1995 3:50:00 PM	05/09/1995 2:40:00 PM
WD-01-014	0.625	3807674	380767	07/09/1995 10:24:00 AM	07/09/1995 11:02:00 AM
WD-01-014	0.3	3806913	380691	08/09/1995 3:20:00 PM	08/09/1995 3:38:00 PM
WD-01-014	29.333	3807302	380730	13/09/1995 1:24:00 PM	19/09/1995 2:44:00 PM
WD-01-015	1.6	3809722	380972	17/08/1995 9:30:00 AM	17/08/1995 11:06:00 AM

M/C CODE	HOUR	MS	MSS	DATE start	Date finish
WD-01-015	0.4	3804655	380465	21/08/1995 1:00:00 PM	21/08/1995 1:24:00 PM
WD-01-015	2.5	3806491	380649	28/08/1995 1:58:00 PM	28/08/1995 4:28:00 PM
WD-01-015	12	3702991	370299	31/08/1995 3:50:00 PM	04/09/1995 1:50:00 PM
WD-01-015	0.625	3807672	380767	05/09/1995 4:20:00 PM	06/09/1995 8:58:00 AM
WD-01-015	0.625	3807676	380767	07/09/1995 2:46:00 PM	07/09/1995 3:24:00 PM
WD-01-015	0.3	3806916	380691	11/09/1995 10:08:00 AM	11/09/1995 10:26:00 AM
WD-01-015	29.333	3807303	380730	14/09/1995 9:00:00 AM	20/09/1995 10:20:00 AM
WD-01-016	1.6	3809723	380972	17/08/1995 9:30:00 AM	17/08/1995 11:06:00 AM
WD-01-016	16	3702952	370295	21/08/1995 2:30:00 PM	24/08/1995 8:30:00 AM
WD-01-016	16	3702964	370296	30/08/1995 11:50:00 AM	01/09/1995 2:50:00 PM
WD-01-016	16	3702973	370297	05/09/1995 2:50:00 PM	08/09/1995 8:50:00 AM
WD-01-016	0.3	3806917	380691	11/09/1995 11:18:00 AM	11/09/1995 11:36:00 AM
WD-01-016	3	3812133	381213	14/09/1995 9:30:00 AM	14/09/1995 1:30:00 PM
WD-01-017	1.6	3809724	380972	17/08/1995 9:30:00 AM	17/08/1995 11:06:00 AM
WD-01-017	0.4	3804656	380465	21/08/1995 3:24:00 PM	21/08/1995 3:48:00 PM
WD-01-017	2.5	3806492	380649	28/08/1995 2:16:00 PM	29/08/1995 8:46:00 AM
WD-01-017	0.625	3801166	380116	01/09/1995 9:36:00 AM	01/09/1995 10:14:00 AM
WD-01-017	5.8333	3702984	370298	05/09/1995 11:50:00 AM	06/09/1995 10:40:00 AM
WD-01-017	0.625	3807677	380767	07/09/1995 4:27:00 PM	08/09/1995 9:05:00 AM
WD-01-017	0.3	3806919	380691	11/09/1995 1:42:00 PM	11/09/1995 2:00:00 PM
WD-01-018	1.6	3809725	380972	17/08/1995 9:30:00 AM	17/08/1995 11:06:00 AM
WD-01-018	0.4	3804657	380465	22/08/1995 9:48:00 AM	22/08/1995 10:12:00 AM
WD-01-018	2.5	3806493	380649	28/08/1995 2:34:00 PM	29/08/1995 9:04:00 AM
WD-01-018	12	3702992	370299	01/09/1995 10:30:00 AM	05/09/1995 8:30:00 AM
WD-01-018	34	3701891	370189	06/09/1995 10:50:00 AM	13/09/1995 9:50:00 AM
WD-01-019	1.6	3809726	380972	17/08/1995 9:30:00 AM	17/08/1995 11:06:00 AM
WD-01-019	0.4	3804658	380465	22/08/1995 1:12:00 PM	22/08/1995 1:36:00 PM
WD-01-019	2.5	3806494	380649	28/08/1995 3:02:00 PM	29/08/1995 9:32:00 AM
WD-01-019	0.625	3801167	380116	01/09/1995 11:17:00 AM	01/09/1995 11:55:00 AM
WD-01-019	5.8333	3702985	370298	05/09/1995 2:10:00 PM	06/09/1995 1:00:00 PM
WD-01-019	6.0833	3702255	370225	08/09/1995 10:25:00 AM	11/09/1995 9:30:00 AM
WD-01-019	3	3812132	381213	13/09/1995 3:00:00 PM	14/09/1995 10:00:00 AM

## ภาคผนวก ค

การจัดลำดับงานตามทะเบียนงานของงานที่เข้าตั้งแต่วันที่ 17/08/1995 ถึง 21/09/1995

MSS	MS	M/C CODE	HOUR	DATE start	Date finish
361089	3610891	MT-01-001	11.2	17/08/1995 9:30:00 AM	18/08/1995 2:42:00 PM
361089	3610891	ML-01-001	2.95	21/08/1995 4:20:00 PM	22/08/1995 11:17:00 AM
361089	3610891	QA-01-001	0.2	22/08/1995 11:17:00 AM	22/08/1995 11:29:00 AM
361089	3610892	MT-01-002	11.2	17/08/1995 9:30:00 AM	18/08/1995 2:42:00 PM
361089	3610892	ML-01-002	2.95	21/08/1995 4:20:00 PM	22/08/1995 11:17:00 AM
361089	3610892	QA-01-004	0.2	22/08/1995 11:17:00 AM	22/08/1995 11:29:00 AM
361089	3610893	MT-01-003	11.2	17/08/1995 9:30:00 AM	18/08/1995 2:42:00 PM
361089	3610893	ML-01-003	2.95	21/08/1995 4:20:00 PM	22/08/1995 11:17:00 AM
361089	3610893	QA-01-003	0.2	22/08/1995 11:17:00 AM	22/08/1995 11:29:00 AM
361089	3610894	MT-01-004	11.2	17/08/1995 9:30:00 AM	18/08/1995 2:42:00 PM
361089	3610894	ML-01-001	2.95	22/08/1995 11:17:00 AM	22/08/1995 3:14:00 PM
361089	3610894	QA-01-002	0.2	22/08/1995 3:14:00 PM	22/08/1995 3:26:00 PM
361089	3610895	MT-01-005	11.2	17/08/1995 9:30:00 AM	18/08/1995 2:42:00 PM
361089	3610895	ML-01-002	2.95	22/08/1995 11:17:00 AM	22/08/1995 3:14:00 PM
361089	3610895	QA-01-004	0.2	22/08/1995 3:14:00 PM	22/08/1995 3:26:00 PM
361089	3610896	MT-01-006	11.2	17/08/1995 9:30:00 AM	18/08/1995 2:42:00 PM
361089	3610896	ML-01-003	2.95	22/08/1995 11:17:00 AM	22/08/1995 3:14:00 PM
361089	3610896	QA-01-002	0.2	22/08/1995 3:26:00 PM	22/08/1995 3:38:00 PM
361089	3610897	MT-01-007	11.2	17/08/1995 9:30:00 AM	18/08/1995 2:42:00 PM
361089	3610897	ML-01-001	2.95	22/08/1995 3:14:00 PM	23/08/1995 10:11:00 AM
361089	3610897	QA-01-004	0.2	23/08/1995 10:11:00 AM	23/08/1995 10:23:00 AM
361089	3610898	MT-01-008	11.2	17/08/1995 9:30:00 AM	18/08/1995 2:42:00 PM
361089	3610898	ML-01-002	2.95	22/08/1995 3:14:00 PM	23/08/1995 10:11:00 AM
361089	3610898	QA-01-001	0.2	23/08/1995 10:11:00 AM	23/08/1995 10:23:00 AM
361089	3610899	MT-01-009	11.2	17/08/1995 9:30:00 AM	18/08/1995 2:42:00 PM
361089	3610899	ML-01-003	2.95	22/08/1995 3:14:00 PM	23/08/1995 10:11:00 AM
361089	3610899	QA-01-002	0.2	23/08/1995 10:11:00 AM	23/08/1995 10:23:00 AM
370118	3701181	SH-01-001	1.5	17/08/1995 9:30:00 AM	17/08/1995 11:00:00 AM
370118	3701181	GC-01-002	1	17/08/1995 11:00:00 AM	17/08/1995 1:00:00 PM
370118	3701181	MT-01-013	68.7	17/08/1995 4:00:00 PM	31/08/1995 2:42:00 PM
370118	3701181	VT-01-001	56	05/09/1995 11:30:00 AM	15/09/1995 11:30:00 AM
370118	3701181	DL-01-006	7.25	15/09/1995 11:30:00 AM	18/09/1995 11:45:00 AM
370118	3701181	FM-01-001	0.75	18/09/1995 11:45:00 AM	18/09/1995 1:30:00 PM
370118	3701181	ML-01-003	44.5	19/09/1995 9:38:00 AM	27/09/1995 1:08:00 PM
370118	3701182	SH-01-001	1.5	17/08/1995 11:00:00 AM	17/08/1995 1:30:00 PM
370118	3701182	GC-01-003	1	17/08/1995 1:30:00 PM	17/08/1995 2:30:00 PM
370118	3701182	MT-01-014	68.7	17/08/1995 4:00:00 PM	31/08/1995 2:42:00 PM
370118	3701182	VT-01-001	56	15/09/1995 11:30:00 AM	27/09/1995 11:30:00 AM
370119	3701191	GC-01-003	18.25	23/08/1995 10:30:00 AM	25/08/1995 3:45:00 PM
370119	3701191	MT-01-009	178.25	28/08/1995 1:01:00 PM	02/10/1995 4:16:00 PM
370119	3701192	GC-01-003	18.25	25/08/1995 3:45:00 PM	30/08/1995 1:00:00 PM
370119	3701192	MT-01-008	178.25	30/08/1995 1:31:00 PM	05/10/1995 8:46:00 AM
370120	3701201	GC-01-003	12.5	17/08/1995 2:30:00 PM	21/08/1995 1:00:00 PM
370120	3701201	MT-01-012	242.5	21/08/1995 2:00:00 PM	09/10/1995 10:30:00 AM
370120	3701202	GC-01-003	12.5	21/08/1995 1:00:00 PM	23/08/1995 10:30:00 AM

MSS	MS	M/C CODE	HOUR	DATE start	Date finish
370120	3701202	MT-01-002	242.5	24/08/1995 3:25:00 PM	12/10/1995 11:55:00 AM
370132	3701321	MT-01-007	21.6	24/08/1995 3:25:00 PM	29/08/1995 4:01:00 PM
370132	3701322	MT-01-008	21.6	24/08/1995 3:25:00 PM	29/08/1995 4:01:00 PM
370189	3701891	SH-01-003	13	30/08/1995 10:00:00 AM	01/09/1995 9:00:00 AM
370189	3701891	PU-01-006	3.5	01/09/1995 9:00:00 AM	01/09/1995 1:30:00 PM
370189	3701891	FM-01-001	3	01/09/1995 1:30:00 PM	01/09/1995 4:30:00 PM
370189	3701891	RO-01-001	4	05/09/1995 2:50:00 PM	06/09/1995 10:50:00 AM
370189	3701891	WD-01-018	34	06/09/1995 10:50:00 AM	13/09/1995 9:50:00 AM
370189	3701891	AS-01-003	11.5	13/09/1995 9:50:00 AM	14/09/1995 3:20:00 PM
370189	3701891	QA-01-004	3.5	14/09/1995 3:20:00 PM	15/09/1995 10:50:00 AM
370211	3702111	SH-01-003	19	01/09/1995 9:00:00 AM	05/09/1995 3:00:00 PM
370211	3702111	PU-01-001	6	05/09/1995 3:00:00 PM	06/09/1995 2:00:00 PM
370211	3702111	FM-01-001	2	06/09/1995 2:00:00 PM	06/09/1995 4:00:00 PM
370211	3702111	RO-01-001	12	06/09/1995 4:00:00 PM	08/09/1995 2:00:00 PM
370211	3702111	WD-01-008	18	08/09/1995 2:00:00 PM	13/09/1995 10:00:00 AM
370211	3702111	AS-01-002	21.8	13/09/1995 10:00:00 AM	18/09/1995 10:48:00 AM
370211	3702111	QA-01-004	2	18/09/1995 10:48:00 AM	18/09/1995 1:48:00 PM
370225	3702251	SH-01-003	3.0833	05/09/1995 3:00:00 PM	06/09/1995 10:05:00 AM
370225	3702251	FM-01-001	0.5	06/09/1995 10:05:00 AM	06/09/1995 10:35:00 AM
370225	3702251	RO-01-003	1.5	06/09/1995 10:35:00 AM	06/09/1995 1:05:00 PM
370225	3702251	WD-01-006	6.0833	06/09/1995 1:05:00 PM	07/09/1995 11:10:00 AM
370225	3702251	AS-01-002	5.1667	07/09/1995 11:10:00 AM	08/09/1995 9:20:00 AM
370225	3702251	QA-01-004	0.6667	08/09/1995 9:20:00 AM	08/09/1995 10:00:00 AM
370225	3702252	SH-01-003	3.0833	06/09/1995 10:05:00 AM	06/09/1995 2:10:00 PM
370225	3702252	FM-01-001	0.5	06/09/1995 4:00:00 PM	06/09/1995 4:30:00 PM
370225	3702252	RO-01-003	1.5	06/09/1995 4:30:00 PM	07/09/1995 10:00:00 AM
370225	3702252	WD-01-012	6.0833	07/09/1995 10:00:00 AM	08/09/1995 9:05:00 AM
370225	3702252	AS-01-005	5.1667	08/09/1995 9:05:00 AM	08/09/1995 3:15:00 PM
370225	3702252	QA-01-003	0.6667	08/09/1995 3:15:00 PM	08/09/1995 3:55:00 PM
370225	3702253	SH-01-003	3.0833	06/09/1995 2:10:00 PM	07/09/1995 9:15:00 AM
370225	3702253	FM-01-001	0.5	07/09/1995 9:15:00 AM	07/09/1995 9:45:00 AM
370225	3702253	RO-01-003	1.5	07/09/1995 10:00:00 AM	07/09/1995 11:30:00 AM
370225	3702253	WD-01-005	6.0833	07/09/1995 11:30:00 AM	08/09/1995 10:35:00 AM
370225	3702253	AS-01-004	5.1667	08/09/1995 10:35:00 AM	11/09/1995 8:45:00 AM
370225	3702253	QA-01-004	0.6667	11/09/1995 8:45:00 AM	11/09/1995 9:25:00 AM
370225	3702254	SH-01-003	3.0833	07/09/1995 9:15:00 AM	07/09/1995 1:20:00 PM
370225	3702254	FM-01-001	0.5	07/09/1995 1:20:00 PM	07/09/1995 1:50:00 PM
370225	3702254	RO-01-003	1.5	07/09/1995 1:50:00 PM	07/09/1995 3:20:00 PM
370225	3702254	WD-01-013	6.0833	07/09/1995 3:20:00 PM	08/09/1995 2:25:00 PM
370225	3702254	AS-01-001	5.1667	08/09/1995 2:25:00 PM	11/09/1995 11:35:00 AM
370225	3702254	QA-01-001	0.6667	11/09/1995 11:35:00 AM	11/09/1995 1:15:00 PM
370225	3702255	SH-01-003	3.0833	07/09/1995 1:20:00 PM	07/09/1995 4:25:00 PM
370225	3702255	FM-01-001	0.5	07/09/1995 4:25:00 PM	08/09/1995 8:55:00 AM
370225	3702255	RO-01-003	1.5	08/09/1995 8:55:00 AM	08/09/1995 10:25:00 AM
370225	3702255	WD-01-019	6.0833	08/09/1995 10:25:00 AM	11/09/1995 9:30:00 AM

MSS	MS	M/C CODE	HOUR	DATE start	Date finish
370225	3702255	AS-01-002	5.1667	11/09/1995 9:30:00 AM	11/09/1995 3:40:00 PM
370225	3702255	QA-01-003	0.6667	11/09/1995 3:40:00 PM	11/09/1995 4:20:00 PM
370225	3702256	SH-01-003	3.0833	07/09/1995 4:25:00 PM	08/09/1995 11:30:00 AM
370225	3702256	FM-01-001	0.5	08/09/1995 11:30:00 AM	08/09/1995 1:00:00 PM
370225	3702256	RO-01-003	1.5	08/09/1995 1:00:00 PM	08/09/1995 2:30:00 PM
370225	3702256	WD-01-011	6.0833	08/09/1995 2:30:00 PM	11/09/1995 1:35:00 PM
370225	3702256	AS-01-005	5.1667	11/09/1995 1:35:00 PM	12/09/1995 10:45:00 AM
370225	3702256	QA-01-002	0.6667	12/09/1995 10:45:00 AM	12/09/1995 11:25:00 AM
370289	3702891	SH-01-002	131.5	17/08/1995 9:30:00 AM	12/09/1995 4:00:00 PM
370289	3702891	PU-01-002	13	12/09/1995 4:00:00 PM	14/09/1995 3:00:00 PM
370289	3702891	RO-01-001	122	14/09/1995 3:00:00 PM	10/10/1995 10:00:00 AM
370295	3702951	SH-01-003	2.6667	17/08/1995 9:30:00 AM	17/08/1995 1:10:00 PM
370295	3702951	FM-01-001	2.6667	17/08/1995 1:10:00 PM	17/08/1995 3:50:00 PM
370295	3702951	RO-01-001	10	17/08/1995 3:50:00 PM	21/08/1995 10:50:00 AM
370295	3702951	WD-01-014	16	21/08/1995 10:50:00 AM	23/08/1995 1:50:00 PM
370295	3702951	AS-01-003	3	23/08/1995 1:50:00 PM	24/08/1995 8:50:00 AM
370295	3702952	SH-01-003	2.6667	17/08/1995 1:10:00 PM	17/08/1995 3:50:00 PM
370295	3702952	FM-01-001	2.6667	17/08/1995 3:50:00 PM	18/08/1995 10:30:00 AM
370295	3702952	RO-01-003	10	18/08/1995 10:30:00 AM	21/08/1995 2:30:00 PM
370295	3702952	WD-01-016	16	21/08/1995 2:30:00 PM	24/08/1995 8:30:00 AM
370295	3702952	AS-01-004	3	24/08/1995 8:30:00 AM	24/08/1995 11:30:00 AM
370295	3702953	SH-01-003	2.6667	17/08/1995 3:50:00 PM	18/08/1995 10:30:00 AM
370295	3702953	FM-01-001	2.6667	18/08/1995 10:30:00 AM	18/08/1995 2:10:00 PM
370295	3702953	RO-01-001	10	21/08/1995 10:50:00 AM	22/08/1995 2:50:00 PM
370295	3702953	WD-01-004	16	22/08/1995 2:50:00 PM	25/08/1995 8:50:00 AM
370295	3702953	AS-01-005	3	25/08/1995 8:50:00 AM	25/08/1995 11:50:00 AM
370295	3702954	SH-01-003	2.6667	18/08/1995 10:30:00 AM	18/08/1995 2:10:00 PM
370295	3702954	FM-01-001	2.6667	18/08/1995 2:10:00 PM	21/08/1995 8:50:00 AM
370295	3702954	RO-01-003	10	21/08/1995 2:30:00 PM	23/08/1995 9:30:00 AM
370295	3702954	WD-01-006	16	23/08/1995 9:30:00 AM	25/08/1995 11:30:00 AM
370295	3702954	AS-01-001	3	25/08/1995 11:30:00 AM	25/08/1995 3:30:00 PM
370295	3702955	SH-01-003	2.6667	18/08/1995 2:10:00 PM	21/08/1995 8:50:00 AM
370295	3702955	FM-01-001	2.6667	21/08/1995 8:50:00 AM	21/08/1995 11:30:00 AM
370295	3702955	RO-01-001	10	22/08/1995 2:50:00 PM	24/08/1995 9:50:00 AM
370295	3702955	WD-01-008	16	24/08/1995 9:50:00 AM	28/08/1995 11:50:00 AM
370295	3702955	AS-01-002	3	28/08/1995 11:50:00 AM	28/08/1995 3:50:00 PM
370295	3702956	SH-01-003	2.6667	21/08/1995 8:50:00 AM	21/08/1995 11:30:00 AM
370295	3702956	FM-01-001	2.6667	21/08/1995 11:30:00 AM	21/08/1995 3:10:00 PM
370295	3702956	RO-01-001	10	24/08/1995 9:50:00 AM	25/08/1995 1:50:00 PM
370295	3702956	WD-01-011	16	25/08/1995 1:50:00 PM	29/08/1995 3:50:00 PM
370295	3702956	AS-01-005	3	29/08/1995 3:50:00 PM	30/08/1995 10:50:00 AM
370296	3702961	SH-01-003	2.6667	21/08/1995 11:30:00 AM	21/08/1995 3:10:00 PM
370296	3702961	FM-01-001	2.6667	21/08/1995 3:10:00 PM	22/08/1995 9:50:00 AM
370296	3702961	RO-01-003	10	24/08/1995 1:30:00 PM	28/08/1995 8:30:00 AM
370296	3702961	WD-01-012	16	28/08/1995 8:30:00 AM	30/08/1995 10:30:00 AM

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370296	3702961	AS-01-001	4.6667	30/08/1995 10:30:00 AM	30/08/1995 4:10:00 PM
370296	3702961	QA-01-004	0.9167	30/08/1995 4:10:00 PM	31/08/1995 9:05:00 AM
370296	3702962	SH-01-003	2.6667	21/08/1995 3:10:00 PM	22/08/1995 9:50:00 AM
370296	3702962	FM-01-001	2.6667	22/08/1995 9:50:00 AM	22/08/1995 1:30:00 PM
370296	3702962	RO-01-003	10	28/08/1995 8:30:00 AM	29/08/1995 11:30:00 AM
370296	3702962	WD-01-014	16	29/08/1995 11:30:00 AM	31/08/1995 2:30:00 PM
370296	3702962	AS-01-003	4.6667	31/08/1995 2:30:00 PM	01/09/1995 11:10:00 AM
370296	3702962	QA-01-002	0.9167	01/09/1995 11:10:00 AM	01/09/1995 1:05:00 PM
370296	3702963	SH-01-003	2.6667	22/08/1995 9:50:00 AM	22/08/1995 1:30:00 PM
370296	3702963	FM-01-001	2.6667	22/08/1995 1:30:00 PM	22/08/1995 4:10:00 PM
370296	3702963	RO-01-003	10	23/08/1995 9:30:00 AM	24/08/1995 1:30:00 PM
370296	3702963	WD-01-009	16	24/08/1995 1:30:00 PM	28/08/1995 3:30:00 PM
370296	3702963	AS-01-003	4.6667	28/08/1995 3:30:00 PM	29/08/1995 1:10:00 PM
370296	3702963	QA-01-004	0.9167	29/08/1995 1:10:00 PM	29/08/1995 2:05:00 PM
370296	3702964	SH-01-003	2.6667	22/08/1995 1:30:00 PM	22/08/1995 4:10:00 PM
370296	3702964	FM-01-001	2.6667	22/08/1995 4:10:00 PM	23/08/1995 10:50:00 AM
370296	3702964	RO-01-001	10	29/08/1995 8:50:00 AM	30/08/1995 11:50:00 AM
370296	3702964	WD-01-016	16	30/08/1995 11:50:00 AM	01/09/1995 2:50:00 PM
370296	3702964	AS-01-005	4.6667	01/09/1995 2:50:00 PM	04/09/1995 11:30:00 AM
370296	3702964	QA-01-003	0.9167	04/09/1995 11:30:00 AM	04/09/1995 1:25:00 PM
370296	3702965	SH-01-003	2.6667	22/08/1995 4:10:00 PM	23/08/1995 10:50:00 AM
370296	3702965	FM-01-001	2.6667	23/08/1995 10:50:00 AM	23/08/1995 2:30:00 PM
370296	3702965	RO-01-003	10	29/08/1995 11:30:00 AM	30/08/1995 3:30:00 PM
370296	3702965	WD-01-010	16	30/08/1995 3:30:00 PM	04/09/1995 9:30:00 AM
370296	3702965	AS-01-001	4.6667	04/09/1995 9:30:00 AM	04/09/1995 3:10:00 PM
370296	3702965	QA-01-004	0.9167	04/09/1995 3:10:00 PM	04/09/1995 4:05:00 PM
370296	3702966	SH-01-003	2.6667	23/08/1995 10:50:00 AM	23/08/1995 2:30:00 PM
370296	3702966	FM-01-001	2.6667	23/08/1995 2:30:00 PM	24/08/1995 9:10:00 AM
370296	3702966	RO-01-001	10	31/08/1995 3:50:00 PM	04/09/1995 10:50:00 AM
370296	3702966	WD-01-007	16	04/09/1995 10:50:00 AM	06/09/1995 1:50:00 PM
370296	3702966	AS-01-004	4.6667	06/09/1995 1:50:00 PM	07/09/1995 10:30:00 AM
370296	3702966	QA-01-001	0.9167	07/09/1995 10:30:00 AM	07/09/1995 11:25:00 AM
370297	3702971	SH-01-003	2.6667	23/08/1995 2:30:00 PM	24/08/1995 9:10:00 AM
370297	3702971	FM-01-001	2.6667	24/08/1995 9:10:00 AM	24/08/1995 11:50:00 AM
370297	3702971	RO-01-003	10	01/09/1995 10:30:00 AM	04/09/1995 2:30:00 PM
370297	3702971	WD-01-008	16	04/09/1995 2:30:00 PM	07/09/1995 8:30:00 AM
370297	3702971	AS-01-001	4.8333	07/09/1995 8:30:00 AM	07/09/1995 2:20:00 PM
370297	3702971	QA-01-004	0.6667	07/09/1995 2:20:00 PM	07/09/1995 3:00:00 PM
370297	3702972	SH-01-003	2.6667	24/08/1995 9:10:00 AM	24/08/1995 11:50:00 AM
370297	3702972	FM-01-001	2.6667	24/08/1995 11:50:00 AM	24/08/1995 3:30:00 PM
370297	3702972	RO-01-001	10	25/08/1995 1:50:00 PM	29/08/1995 8:50:00 AM
370297	3702972	WD-01-007	16	29/08/1995 8:50:00 AM	31/08/1995 10:50:00 AM
370297	3702972	AS-01-002	4.8333	31/08/1995 10:50:00 AM	01/09/1995 8:40:00 AM
370297	3702972	QA-01-002	0.6667	01/09/1995 8:40:00 AM	01/09/1995 9:20:00 AM
370297	3702973	SH-01-003	2.6667	24/08/1995 11:50:00 AM	24/08/1995 3:30:00 PM

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MSS	MS	M/C CODE	HOUR	DATE start	Date finish
370297	3702973	FM-01-001	2.6667	24/08/1995 3:30:00 PM	25/08/1995 10:10:00 AM
370297	3702973	RO-01-001	10	04/09/1995 10:50:00 AM	05/09/1995 2:50:00 PM
370297	3702973	WD-01-016	16	05/09/1995 2:50:00 PM	08/09/1995 8:50:00 AM
370297	3702973	AS-01-003	4.8333	08/09/1995 8:50:00 AM	08/09/1995 2:40:00 PM
370297	3702973	QA-01-002	0.6667	08/09/1995 2:40:00 PM	08/09/1995 3:20:00 PM
370298	3702981	SH-01-003	3.25	24/08/1995 3:30:00 PM	25/08/1995 10:45:00 AM
370298	3702981	FM-01-001	0.1667	25/08/1995 3:40:00 PM	25/08/1995 3:50:00 PM
370298	3702981	RO-01-003	1.3333	04/09/1995 2:30:00 PM	04/09/1995 3:50:00 PM
370298	3702981	WD-01-014	5.8333	04/09/1995 3:50:00 PM	05/09/1995 2:40:00 PM
370298	3702981	AS-01-004	0.8333	05/09/1995 2:40:00 PM	05/09/1995 3:30:00 PM
370298	3702982	SH-01-003	3.25	25/08/1995 10:45:00 AM	25/08/1995 3:00:00 PM
370298	3702982	FM-01-001	0.1667	25/08/1995 3:50:00 PM	25/08/1995 4:00:00 PM
370298	3702982	RO-01-003	1.3333	04/09/1995 3:50:00 PM	05/09/1995 9:10:00 AM
370298	3702982	WD-01-009	5.8333	05/09/1995 9:10:00 AM	05/09/1995 4:00:00 PM
370298	3702982	AS-01-005	0.8333	05/09/1995 4:00:00 PM	06/09/1995 8:50:00 AM
370298	3702983	SH-01-003	3.25	25/08/1995 3:00:00 PM	28/08/1995 10:15:00 AM
370298	3702983	FM-01-001	0.1667	28/08/1995 1:30:00 PM	28/08/1995 1:40:00 PM
370298	3702983	RO-01-003	1.3333	05/09/1995 9:10:00 AM	05/09/1995 10:30:00 AM
370298	3702983	WD-01-013	5.8333	05/09/1995 10:30:00 AM	06/09/1995 9:20:00 AM
370298	3702983	AS-01-001	0.8333	06/09/1995 9:20:00 AM	06/09/1995 10:10:00 AM
370298	3702983	QA-01-001	0.6667	06/09/1995 10:10:00 AM	06/09/1995 10:50:00 AM
370298	3702984	SH-01-003	3.25	28/08/1995 10:15:00 AM	28/08/1995 2:30:00 PM
370298	3702984	FM-01-001	0.1667	28/08/1995 2:34:00 PM	28/08/1995 2:44:00 PM
370298	3702984	RO-01-003	1.3333	05/09/1995 10:30:00 AM	05/09/1995 11:50:00 AM
370298	3702984	WD-01-017	5.8333	05/09/1995 11:50:00 AM	06/09/1995 10:40:00 AM
370298	3702984	AS-01-002	0.8333	06/09/1995 10:40:00 AM	06/09/1995 11:30:00 AM
370298	3702984	QA-01-003	0.6667	06/09/1995 11:30:00 AM	06/09/1995 1:10:00 PM
370298	3702985	SH-01-003	3.25	28/08/1995 2:30:00 PM	29/08/1995 9:45:00 AM
370298	3702985	FM-01-001	0.1667	29/08/1995 9:56:00 AM	29/08/1995 10:06:00 AM
370298	3702985	RO-01-003	1.3333	05/09/1995 11:50:00 AM	05/09/1995 2:10:00 PM
370298	3702985	WD-01-019	5.8333	05/09/1995 2:10:00 PM	06/09/1995 1:00:00 PM
370298	3702985	AS-01-003	0.8333	06/09/1995 1:00:00 PM	06/09/1995 1:50:00 PM
370298	3702985	QA-01-001	0.6667	06/09/1995 1:50:00 PM	06/09/1995 2:30:00 PM
370298	3702986	SH-01-003	3.25	29/08/1995 9:45:00 AM	29/08/1995 2:00:00 PM
370298	3702986	FM-01-001	0.1667	29/08/1995 2:28:00 PM	29/08/1995 2:38:00 PM
370298	3702986	RO-01-003	1.3333	05/09/1995 2:10:00 PM	05/09/1995 3:30:00 PM
370298	3702986	WD-01-010	5.8333	05/09/1995 3:30:00 PM	06/09/1995 2:20:00 PM
370298	3702986	AS-01-005	0.8333	06/09/1995 2:20:00 PM	06/09/1995 3:10:00 PM
370298	3702986	QA-01-003	0.6667	06/09/1995 3:10:00 PM	06/09/1995 3:50:00 PM
370299	3702991	SH-01-003	2	29/08/1995 2:00:00 PM	29/08/1995 4:00:00 PM
370299	3702991	FM-01-001	2	29/08/1995 4:00:00 PM	30/08/1995 10:00:00 AM
370299	3702991	RO-01-001	10	30/08/1995 11:50:00 AM	31/08/1995 3:50:00 PM
370299	3702991	WD-01-015	12	31/08/1995 3:50:00 PM	04/09/1995 1:50:00 PM
370299	3702991	AS-01-002	2.5	04/09/1995 1:50:00 PM	04/09/1995 4:20:00 PM
370299	3702991	QA-01-004	1	04/09/1995 4:20:00 PM	05/09/1995 9:20:00 AM



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370299	3702992	SH-01-003	2	29/08/1995 4:00:00 PM	30/08/1995 10:00:00 AM
370299	3702992	FM-01-001	2	30/08/1995 10:00:00 AM	30/08/1995 1:00:00 PM
370299	3702992	RO-01-003	10	30/08/1995 3:30:00 PM	01/09/1995 10:30:00 AM
370299	3702992	WD-01-018	12	01/09/1995 10:30:00 AM	05/09/1995 8:30:00 AM
370299	3702992	AS-01-003	2.5	05/09/1995 8:30:00 AM	05/09/1995 11:00:00 AM
370299	3702992	QA-01-004	1	05/09/1995 11:00:00 AM	05/09/1995 1:00:00 PM
370321	3703211	SH-01-003	2	08/09/1995 11:30:00 AM	08/09/1995 2:30:00 PM
370321	3703211	FM-01-001	2	08/09/1995 2:30:00 PM	08/09/1995 4:30:00 PM
370321	3703211	RO-01-001	10	08/09/1995 4:30:00 PM	12/09/1995 11:30:00 AM
370321	3703211	WD-01-004	12	12/09/1995 11:30:00 AM	14/09/1995 9:30:00 AM
370321	3703211	AS-01-004	2.5	14/09/1995 9:30:00 AM	14/09/1995 1:00:00 PM
370321	3703211	QA-01-004	1	14/09/1995 1:00:00 PM	14/09/1995 2:00:00 PM
370321	3703212	SH-01-003	2	08/09/1995 2:30:00 PM	08/09/1995 4:30:00 PM
370321	3703212	FM-01-001	2	08/09/1995 4:30:00 PM	11/09/1995 10:30:00 AM
370321	3703212	RO-01-003	10	11/09/1995 10:30:00 AM	12/09/1995 2:30:00 PM
370321	3703212	WD-01-007	12	12/09/1995 2:30:00 PM	14/09/1995 11:30:00 AM
370321	3703212	AS-01-001	2.5	14/09/1995 11:30:00 AM	14/09/1995 3:00:00 PM
370321	3703212	QA-01-001	1	14/09/1995 3:00:00 PM	14/09/1995 4:00:00 PM
370343	3703431	SH-01-003	40	08/09/1995 4:30:00 PM	18/09/1995 2:30:00 PM
370343	3703431	PU-01-005	10	18/09/1995 2:30:00 PM	20/09/1995 9:30:00 AM
370343	3703431	RO-01-003	13	20/09/1995 9:30:00 AM	22/09/1995 8:30:00 AM
370365	3703651	SH-01-003	24.833	18/09/1995 2:30:00 PM	22/09/1995 10:20:00 AM
370473	3704731	MT-01-011	5.5	17/08/1995 9:30:00 AM	17/08/1995 4:00:00 PM
370473	3704731	ML-01-001	14.333	17/08/1995 4:00:00 PM	21/08/1995 4:20:00 PM
370473	3704731	GR-01-001	1.833	21/08/1995 4:20:00 PM	22/08/1995 10:10:00 AM
370473	3704731	QA-01-002	2.7333	22/08/1995 10:10:00 AM	22/08/1995 1:54:00 PM
370473	3704732	MT-01-012	5.5	17/08/1995 9:30:00 AM	17/08/1995 4:00:00 PM
370473	3704732	ML-01-002	14.333	17/08/1995 4:00:00 PM	21/08/1995 4:20:00 PM
370473	3704732	GR-01-001	1.833	22/08/1995 10:10:00 AM	22/08/1995 1:00:00 PM
370473	3704732	QA-01-003	2.7333	22/08/1995 1:00:00 PM	22/08/1995 3:44:00 PM
370473	3704733	MT-01-013	5.5	17/08/1995 9:30:00 AM	17/08/1995 4:00:00 PM
370473	3704733	ML-01-003	14.333	17/08/1995 4:00:00 PM	21/08/1995 4:20:00 PM
370473	3704733	GR-01-001	1.833	22/08/1995 1:00:00 PM	22/08/1995 2:50:00 PM
370473	3704733	QA-01-001	2.7333	22/08/1995 2:50:00 PM	23/08/1995 9:34:00 AM
370473	3704734	MT-01-014	5.5	17/08/1995 9:30:00 AM	17/08/1995 4:00:00 PM
370473	3704734	ML-01-002	14.333	23/08/1995 10:11:00 AM	25/08/1995 10:31:00 AM
370473	3704734	GR-01-001	1.833	25/08/1995 10:31:00 AM	25/08/1995 1:21:00 PM
370473	3704734	QA-01-004	2.7333	25/08/1995 1:21:00 PM	25/08/1995 4:05:00 PM
370473	3704735	MT-01-011	5.5	17/08/1995 4:00:00 PM	18/08/1995 2:30:00 PM
370473	3704735	ML-01-003	14.333	23/08/1995 10:11:00 AM	25/08/1995 10:31:00 AM
370473	3704735	GR-01-001	1.833	25/08/1995 1:21:00 PM	25/08/1995 3:11:00 PM
370473	3704735	QA-01-003	2.7333	25/08/1995 3:11:00 PM	28/08/1995 9:55:00 AM
370473	3704736	MT-01-012	5.5	17/08/1995 4:00:00 PM	18/08/1995 2:30:00 PM
370473	3704736	ML-01-001	14.333	23/08/1995 2:08:00 PM	25/08/1995 2:28:00 PM
370473	3704736	GR-01-001	1.833	25/08/1995 3:11:00 PM	28/08/1995 9:01:00 AM

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370473	3704736	QA-01-004	2.7333	28/08/1995 9:01:00 AM	28/08/1995 11:45:00 AM
370566	3705661	SP-01-002	21	17/08/1995 9:30:00 AM	22/08/1995 9:30:00 AM
370566	3705661	ML-01-002	70.5	25/08/1995 10:31:00 AM	08/09/1995 11:01:00 AM
370566	3705661	DL-01-006	1	08/09/1995 11:01:00 AM	08/09/1995 1:01:00 PM
370566	3705661	GF-01-001	7	08/09/1995 1:01:00 PM	11/09/1995 1:01:00 PM
370566	3705661	AS-01-003	2	11/09/1995 1:01:00 PM	11/09/1995 3:01:00 PM
370566	3705661	QA-01-002	2	11/09/1995 3:01:00 PM	12/09/1995 9:01:00 AM
370878	3708781	DL-01-005	317	17/08/1995 9:30:00 AM	19/10/1995 11:30:00 AM
370943	3709431	GC-01-002	115.5	17/08/1995 1:00:00 PM	08/09/1995 4:30:00 PM
370943	3709431	SH-01-002	71	13/09/1995 1:00:00 PM	27/09/1995 2:00:00 PM
371055	3710551	VT-01-001	93	17/08/1995 9:30:00 AM	05/09/1995 11:30:00 AM
371055	3710551	DL-01-001	6.5	05/09/1995 11:30:00 AM	06/09/1995 11:00:00 AM
371055	3710551	QA-01-004	4.25	06/09/1995 11:00:00 AM	06/09/1995 4:15:00 PM
371201	3712011	MT-01-011	1.1667	18/08/1995 2:30:00 PM	18/08/1995 3:40:00 PM
371201	3712011	GH-01-001	6.6666	18/08/1995 3:40:00 PM	21/08/1995 3:20:00 PM
371201	3712011	SV-01-001	0.9333	21/08/1995 3:20:00 PM	21/08/1995 4:16:00 PM
371201	3712011	QA-01-004	1.7	21/08/1995 4:16:00 PM	22/08/1995 9:58:00 AM
371201	3712012	MT-01-012	1.1667	18/08/1995 2:30:00 PM	18/08/1995 3:40:00 PM
371201	3712012	GH-01-001	6.6666	21/08/1995 3:20:00 PM	22/08/1995 3:00:00 PM
371201	3712012	SV-01-001	0.9333	22/08/1995 3:00:00 PM	22/08/1995 3:56:00 PM
371201	3712012	QA-01-002	1.7	22/08/1995 3:56:00 PM	23/08/1995 9:38:00 AM
371201	3712013	MT-01-001	1.1667	18/08/1995 2:42:00 PM	18/08/1995 3:52:00 PM
371201	3712013	GH-01-001	6.6666	22/08/1995 3:00:00 PM	23/08/1995 2:40:00 PM
371201	3712013	SV-01-001	0.9333	23/08/1995 2:40:00 PM	23/08/1995 3:36:00 PM
371201	3712013	QA-01-002	1.7	23/08/1995 3:36:00 PM	24/08/1995 9:18:00 AM
371201	3712014	MT-01-002	1.1667	18/08/1995 2:42:00 PM	18/08/1995 3:52:00 PM
371201	3712014	GH-01-001	6.6666	23/08/1995 2:40:00 PM	24/08/1995 2:20:00 PM
371201	3712014	SV-01-001	0.9333	24/08/1995 2:20:00 PM	24/08/1995 3:16:00 PM
371201	3712014	QA-01-001	1.7	24/08/1995 3:16:00 PM	25/08/1995 8:58:00 AM
371201	3712015	MT-01-003	1.1667	18/08/1995 2:42:00 PM	18/08/1995 3:52:00 PM
371201	3712015	GH-01-001	6.6666	24/08/1995 2:20:00 PM	25/08/1995 2:00:00 PM
371201	3712015	SV-01-001	0.9333	25/08/1995 2:00:00 PM	25/08/1995 2:56:00 PM
371201	3712015	QA-01-002	1.7	25/08/1995 2:56:00 PM	28/08/1995 8:38:00 AM
371201	3712016	MT-01-004	1.1667	18/08/1995 2:42:00 PM	18/08/1995 3:52:00 PM
371201	3712016	GH-01-001	6.6666	25/08/1995 2:00:00 PM	28/08/1995 1:40:00 PM
371201	3712016	SV-01-001	0.9333	28/08/1995 1:40:00 PM	28/08/1995 2:36:00 PM
371201	3712016	QA-01-002	1.7	28/08/1995 2:36:00 PM	28/08/1995 4:18:00 PM
371201	3712017	MT-01-005	1.1667	18/08/1995 2:42:00 PM	18/08/1995 3:52:00 PM
371201	3712017	GH-01-001	6.6666	28/08/1995 1:40:00 PM	29/08/1995 1:20:00 PM
371201	3712017	SV-01-001	0.9333	29/08/1995 1:20:00 PM	29/08/1995 2:16:00 PM
371201	3712017	QA-01-002	1.7	29/08/1995 2:16:00 PM	29/08/1995 3:58:00 PM
371201	3712018	MT-01-006	1.1667	18/08/1995 2:42:00 PM	18/08/1995 3:52:00 PM
371201	3712018	GH-01-001	6.6666	29/08/1995 1:20:00 PM	30/08/1995 1:00:00 PM
371201	3712018	SV-01-001	0.9333	30/08/1995 1:00:00 PM	30/08/1995 1:56:00 PM
371201	3712018	QA-01-001	1.7	30/08/1995 1:56:00 PM	30/08/1995 3:38:00 PM

MSS	MS	M/C CODE	HOUR	DATE start	Date finish
371201	3712019	MT-01-007	1.1667	18/08/1995 2:42:00 PM	18/08/1995 3:52:00 PM
371201	3712019	GH-01-001	6.6666	30/08/1995 1:00:00 PM	31/08/1995 11:40:00 AM
371201	3712019	SV-01-001	0.9333	31/08/1995 11:40:00 AM	31/08/1995 1:36:00 PM
371201	3712019	QA-01-002	1.7	31/08/1995 1:36:00 PM	31/08/1995 3:18:00 PM
380001	3800011	SH-01-001	0.2	17/08/1995 1:30:00 PM	17/08/1995 1:42:00 PM
380001	3800011	MT-01-002	27.55	18/08/1995 3:52:00 PM	24/08/1995 3:25:00 PM
380001	3800011	GC-01-003	0.15	30/08/1995 1:00:00 PM	30/08/1995 1:09:00 PM
380001	3800011	WD-01-002	7.3	30/08/1995 1:09:00 PM	31/08/1995 1:27:00 PM
380001	3800011	DL-01-002	1.5	31/08/1995 1:27:00 PM	31/08/1995 2:57:00 PM
380001	3800011	QA-01-003	2.7	31/08/1995 2:57:00 PM	01/09/1995 9:39:00 AM
380001	3800012	SH-01-001	0.2	17/08/1995 1:42:00 PM	17/08/1995 1:54:00 PM
380001	3800012	MT-01-003	27.55	18/08/1995 3:52:00 PM	24/08/1995 3:25:00 PM
380001	3800012	GC-01-003	0.15	30/08/1995 1:09:00 PM	30/08/1995 1:18:00 PM
380001	3800012	WD-01-003	7.3	30/08/1995 1:18:00 PM	31/08/1995 1:36:00 PM
380001	3800012	DL-01-003	1.5	31/08/1995 1:36:00 PM	31/08/1995 3:06:00 PM
380001	3800012	QA-01-001	2.7	31/08/1995 3:06:00 PM	01/09/1995 9:48:00 AM
380001	3800013	SH-01-001	0.2	17/08/1995 1:54:00 PM	17/08/1995 2:06:00 PM
380001	3800013	MT-01-004	27.55	18/08/1995 3:52:00 PM	24/08/1995 3:25:00 PM
380001	3800013	GC-01-003	0.15	30/08/1995 1:18:00 PM	30/08/1995 1:27:00 PM
380001	3800013	WD-01-001	7.3	30/08/1995 1:27:00 PM	31/08/1995 1:45:00 PM
380001	3800013	DL-01-004	1.5	31/08/1995 1:45:00 PM	31/08/1995 3:15:00 PM
380001	3800013	QA-01-004	2.7	31/08/1995 3:15:00 PM	01/09/1995 9:57:00 AM
380001	3800014	SH-01-001	0.2	17/08/1995 2:06:00 PM	17/08/1995 2:18:00 PM
380001	3800014	MT-01-005	27.55	18/08/1995 3:52:00 PM	24/08/1995 3:25:00 PM
380001	3800014	GC-01-003	0.15	30/08/1995 1:27:00 PM	30/08/1995 1:36:00 PM
380001	3800014	WD-01-002	7.3	31/08/1995 1:27:00 PM	01/09/1995 1:45:00 PM
380001	3800014	DL-01-006	1.5	01/09/1995 1:45:00 PM	01/09/1995 3:15:00 PM
380001	3800014	QA-01-001	2.7	01/09/1995 3:15:00 PM	04/09/1995 9:57:00 AM
380001	3800015	SH-01-001	0.2	17/08/1995 2:18:00 PM	17/08/1995 2:30:00 PM
380001	3800015	MT-01-006	27.55	18/08/1995 3:52:00 PM	24/08/1995 3:25:00 PM
380001	3800015	GC-01-003	0.15	30/08/1995 1:36:00 PM	30/08/1995 1:45:00 PM
380001	3800015	WD-01-003	7.3	31/08/1995 1:36:00 PM	01/09/1995 1:54:00 PM
380001	3800015	DL-01-001	1.5	01/09/1995 1:54:00 PM	01/09/1995 3:24:00 PM
380001	3800015	QA-01-004	2.7	01/09/1995 3:24:00 PM	04/09/1995 10:06:00 AM
380001	3800016	SH-01-001	0.2	17/08/1995 2:30:00 PM	17/08/1995 2:42:00 PM
380001	3800016	MT-01-007	27.55	18/08/1995 3:52:00 PM	24/08/1995 3:25:00 PM
380001	3800016	GC-01-003	0.15	30/08/1995 1:45:00 PM	30/08/1995 1:54:00 PM
380001	3800016	WD-01-001	7.3	31/08/1995 1:45:00 PM	01/09/1995 2:03:00 PM
380001	3800016	DL-01-002	1.5	01/09/1995 2:03:00 PM	01/09/1995 3:33:00 PM
380001	3800016	QA-01-002	2.7	01/09/1995 3:33:00 PM	04/09/1995 10:15:00 AM
380001	3800017	SH-01-001	0.2	17/08/1995 2:42:00 PM	17/08/1995 2:54:00 PM
380001	3800017	MT-01-008	27.55	18/08/1995 3:52:00 PM	24/08/1995 3:25:00 PM
380001	3800017	GC-01-003	0.15	30/08/1995 1:54:00 PM	30/08/1995 2:03:00 PM
380001	3800017	WD-01-002	7.3	01/09/1995 1:45:00 PM	04/09/1995 2:03:00 PM
380001	3800017	DL-01-003	1.5	04/09/1995 2:03:00 PM	04/09/1995 3:33:00 PM

MSS	MS	M/C CODE	HOUR	DATE start	Date finish
380001	3800017	QA-01-002	2.7	04/09/1995 3:33:00 PM	05/09/1995 10:15:00 AM
380001	3800018	SH-01-001	0.2	17/08/1995 2:54:00 PM	17/08/1995 3:06:00 PM
380001	3800018	MT-01-009	27.55	18/08/1995 3:52:00 PM	24/08/1995 3:25:00 PM
380001	3800018	GC-01-003	0.15	30/08/1995 2:03:00 PM	30/08/1995 2:12:00 PM
380001	3800018	WD-01-003	7.3	01/09/1995 1:54:00 PM	04/09/1995 2:12:00 PM
380001	3800018	DL-01-004	1.5	04/09/1995 2:12:00 PM	04/09/1995 3:42:00 PM
380001	3800018	QA-01-003	2.7	04/09/1995 3:42:00 PM	05/09/1995 10:24:00 AM
380001	3800019	SH-01-001	0.2	17/08/1995 3:06:00 PM	17/08/1995 3:18:00 PM
380001	3800019	MT-01-010	27.55	18/08/1995 3:52:00 PM	24/08/1995 3:25:00 PM
380001	3800019	GC-01-003	0.15	30/08/1995 2:12:00 PM	30/08/1995 2:21:00 PM
380001	3800019	WD-01-001	7.3	01/09/1995 2:03:00 PM	04/09/1995 2:21:00 PM
380001	3800019	DL-01-006	1.5	04/09/1995 2:21:00 PM	04/09/1995 3:51:00 PM
380001	3800019	QA-01-001	2.7	04/09/1995 3:51:00 PM	05/09/1995 10:33:00 AM
380032	3800321	GC-01-002	4	11/09/1995 1:42:00 PM	12/09/1995 9:42:00 AM
380032	3800321	SH-01-001	36	12/09/1995 9:42:00 AM	19/09/1995 10:42:00 AM
380032	3800321	PU-01-006	5	19/09/1995 10:42:00 AM	20/09/1995 8:42:00 AM
380032	3800321	FM-01-001	16	20/09/1995 8:42:00 AM	22/09/1995 10:42:00 AM
380116	3801161	GC-01-003	1.6875	30/08/1995 2:30:00 PM	30/08/1995 4:11:00 PM
380116	3801161	WD-01-004	0.625	30/08/1995 4:11:00 PM	31/08/1995 8:49:00 AM
380116	3801161	MT-01-003	12.625	31/08/1995 9:35:00 AM	01/09/1995 4:13:00 PM
380116	3801161	ML-01-002	4.625	13/09/1995 9:24:00 AM	13/09/1995 3:02:00 PM
380116	3801161	DL-01-004	3	13/09/1995 3:02:00 PM	14/09/1995 10:02:00 AM
380116	3801161	QA-01-001	0.125	14/09/1995 10:02:00 AM	14/09/1995 10:10:00 AM
380116	3801162	GC-01-003	1.6875	30/08/1995 4:11:00 PM	31/08/1995 9:52:00 AM
380116	3801162	WD-01-006	0.625	31/08/1995 9:52:00 AM	31/08/1995 10:30:00 AM
380116	3801162	MT-01-005	12.625	31/08/1995 2:01:00 PM	04/09/1995 11:39:00 AM
380116	3801162	ML-01-003	4.625	13/09/1995 9:24:00 AM	13/09/1995 3:02:00 PM
380116	3801162	DL-01-002	3	13/09/1995 3:02:00 PM	14/09/1995 10:02:00 AM
380116	3801162	QA-01-003	0.125	14/09/1995 10:02:00 AM	14/09/1995 10:10:00 AM
380116	3801163	GC-01-003	1.6875	31/08/1995 9:52:00 AM	31/08/1995 11:33:00 AM
380116	3801163	WD-01-008	0.625	31/08/1995 11:33:00 AM	31/08/1995 1:11:00 PM
380116	3801163	MT-01-004	12.625	31/08/1995 2:01:00 PM	04/09/1995 11:39:00 AM
380116	3801163	ML-01-002	4.625	13/09/1995 3:02:00 PM	14/09/1995 11:40:00 AM
380116	3801163	DL-01-002	3	14/09/1995 11:40:00 AM	14/09/1995 3:40:00 PM
380116	3801163	QA-01-003	0.125	14/09/1995 4:00:00 PM	14/09/1995 4:08:00 PM
380116	3801164	GC-01-003	1.6875	31/08/1995 11:33:00 AM	31/08/1995 2:14:00 PM
380116	3801164	WD-01-009	0.625	31/08/1995 2:14:00 PM	31/08/1995 2:52:00 PM
380116	3801164	MT-01-011	12.625	31/08/1995 3:22:00 PM	04/09/1995 2:00:00 PM
380116	3801164	ML-01-003	4.625	13/09/1995 3:02:00 PM	14/09/1995 11:40:00 AM
380116	3801164	DL-01-004	3	14/09/1995 11:40:00 AM	14/09/1995 3:40:00 PM
380116	3801164	QA-01-001	0.125	14/09/1995 4:00:00 PM	14/09/1995 4:08:00 PM
380116	3801165	GC-01-003	1.6875	31/08/1995 2:14:00 PM	31/08/1995 3:55:00 PM
380116	3801165	WD-01-013	0.625	31/08/1995 3:55:00 PM	01/09/1995 8:33:00 AM
380116	3801165	MT-01-001	12.625	01/09/1995 9:22:00 AM	04/09/1995 4:00:00 PM
380116	3801165	ML-01-002	4.625	14/09/1995 11:40:00 AM	15/09/1995 9:18:00 AM

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380116	3801165	DL-01-001	3	15/09/1995 9:18:00 AM	15/09/1995 1:18:00 PM
380116	3801165	QA-01-002	0.125	15/09/1995 1:18:00 PM	15/09/1995 1:26:00 PM
380116	3801166	GC-01-003	1.6875	31/08/1995 3:55:00 PM	01/09/1995 9:36:00 AM
380116	3801166	WD-01-017	0.625	01/09/1995 9:36:00 AM	01/09/1995 10:14:00 AM
380116	3801166	MT-01-006	12.625	01/09/1995 10:31:00 AM	05/09/1995 9:09:00 AM
380116	3801166	ML-01-003	4.625	14/09/1995 11:40:00 AM	15/09/1995 9:18:00 AM
380116	3801166	DL-01-002	3	15/09/1995 9:18:00 AM	15/09/1995 1:18:00 PM
380116	3801166	QA-01-003	0.125	15/09/1995 1:18:00 PM	15/09/1995 1:26:00 PM
380116	3801167	GC-01-003	1.6875	01/09/1995 9:36:00 AM	01/09/1995 11:17:00 AM
380116	3801167	WD-01-019	0.625	01/09/1995 11:17:00 AM	01/09/1995 11:55:00 AM
380116	3801167	MT-01-010	12.625	01/09/1995 1:14:00 PM	05/09/1995 10:52:00 AM
380116	3801167	ML-01-002	4.625	15/09/1995 9:18:00 AM	15/09/1995 2:56:00 PM
380116	3801167	DL-01-004	3	15/09/1995 2:56:00 PM	18/09/1995 9:56:00 AM
380116	3801167	QA-01-003	0.125	18/09/1995 9:56:00 AM	18/09/1995 10:04:00 AM
380116	3801168	GC-01-003	1.6875	01/09/1995 11:17:00 AM	01/09/1995 1:58:00 PM
380116	3801168	WD-01-005	0.625	01/09/1995 1:58:00 PM	01/09/1995 2:36:00 PM
380116	3801168	MT-01-003	12.625	01/09/1995 4:13:00 PM	05/09/1995 2:51:00 PM
380116	3801168	ML-01-003	4.625	15/09/1995 9:18:00 AM	15/09/1995 2:56:00 PM
380116	3801168	DL-01-003	3	15/09/1995 2:56:00 PM	18/09/1995 9:56:00 AM
380116	3801168	QA-01-001	0.125	18/09/1995 9:56:00 AM	18/09/1995 10:04:00 AM
380144	3801441	MT-01-012	4.166	21/08/1995 8:50:00 AM	21/08/1995 2:00:00 PM
380144	3801441	QA-01-002	0.375	21/08/1995 2:00:00 PM	21/08/1995 2:22:00 PM
380144	3801442	MT-01-001	4.166	21/08/1995 9:02:00 AM	21/08/1995 2:12:00 PM
380144	3801442	QA-01-003	0.375	21/08/1995 2:12:00 PM	21/08/1995 2:34:00 PM
380144	3801443	MT-01-001	4.166	21/08/1995 2:12:00 PM	22/08/1995 10:22:00 AM
380144	3801443	QA-01-003	0.375	22/08/1995 10:22:00 AM	22/08/1995 10:44:00 AM
380144	3801444	MT-01-001	4.166	22/08/1995 10:22:00 AM	22/08/1995 3:32:00 PM
380144	3801444	QA-01-004	0.375	22/08/1995 3:32:00 PM	22/08/1995 3:54:00 PM
380144	3801445	MT-01-001	4.166	22/08/1995 3:32:00 PM	23/08/1995 11:42:00 AM
380144	3801445	QA-01-003	0.375	23/08/1995 11:42:00 AM	23/08/1995 1:04:00 PM
380144	3801446	MT-01-001	4.166	23/08/1995 11:42:00 AM	24/08/1995 8:52:00 AM
380144	3801446	QA-01-004	0.375	24/08/1995 8:52:00 AM	24/08/1995 9:14:00 AM
380144	3801447	MT-01-001	4.166	24/08/1995 8:52:00 AM	24/08/1995 2:02:00 PM
380144	3801447	QA-01-003	0.375	24/08/1995 2:02:00 PM	24/08/1995 2:24:00 PM
380144	3801448	MT-01-001	4.166	24/08/1995 2:02:00 PM	25/08/1995 10:12:00 AM
380144	3801448	QA-01-004	0.375	25/08/1995 10:12:00 AM	25/08/1995 10:34:00 AM
380144	3801449	MT-01-003	4.166	24/08/1995 3:25:00 PM	25/08/1995 11:35:00 AM
380144	3801449	QA-01-004	0.375	25/08/1995 11:35:00 AM	25/08/1995 11:57:00 AM
380158	3801581	SH-01-001	6	24/08/1995 9:30:00 AM	24/08/1995 4:30:00 PM
380158	3801581	FM-01-001	1.5	28/08/1995 3:20:00 PM	29/08/1995 8:50:00 AM
380158	3801581	QA-01-001	4	29/08/1995 8:50:00 AM	29/08/1995 1:50:00 PM
380170	3801701	SH-01-001	11.5	17/08/1995 3:30:00 PM	21/08/1995 1:00:00 PM
380170	3801701	PU-01-001	9	21/08/1995 1:00:00 PM	22/08/1995 3:00:00 PM
380170	3801701	FM-01-001	4.5	25/08/1995 10:10:00 AM	25/08/1995 3:40:00 PM
380170	3801701	QA-01-001	3	25/08/1995 3:40:00 PM	28/08/1995 10:40:00 AM

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380205	3802051	MT-01-009	11.6	24/08/1995 3:25:00 PM	28/08/1995 1:01:00 PM
380205	3802051	ML-01-001	29.5	28/08/1995 1:01:00 PM	01/09/1995 2:31:00 PM
380205	3802052	MT-01-010	11.6	24/08/1995 3:25:00 PM	28/08/1995 1:01:00 PM
380205	3802052	ML-01-001	29.5	01/09/1995 2:31:00 PM	07/09/1995 4:01:00 PM
380206	3802061	SH-01-001	3.25	21/08/1995 1:00:00 PM	21/08/1995 4:15:00 PM
380206	3802061	MT-01-011	4.55	24/08/1995 4:23:00 PM	25/08/1995 1:56:00 PM
380206	3802061	ML-01-003	34	01/09/1995 3:07:00 PM	08/09/1995 2:07:00 PM
380206	3802062	SH-01-001	3.25	21/08/1995 4:15:00 PM	22/08/1995 11:30:00 AM
380206	3802062	MT-01-001	4.55	25/08/1995 10:12:00 AM	25/08/1995 3:45:00 PM
380206	3802062	ML-01-002	34	15/09/1995 2:56:00 PM	22/09/1995 1:56:00 PM
380227	3802271	GC-01-003	1.5	11/09/1995 1:56:00 PM	11/09/1995 3:26:00 PM
380227	3802272	GC-01-003	1.5	11/09/1995 3:26:00 PM	12/09/1995 8:56:00 AM
380227	3802273	GC-01-003	1.5	12/09/1995 8:56:00 AM	12/09/1995 10:26:00 AM
380258	3802581	MT-01-003	26	25/08/1995 11:35:00 AM	31/08/1995 9:35:00 AM
380258	3802581	DL-01-001	2	31/08/1995 9:35:00 AM	31/08/1995 11:35:00 AM
380258	3802581	AS-01-004	8	31/08/1995 11:35:00 AM	01/09/1995 1:35:00 PM
380263	3802631	GC-01-003	12	01/09/1995 1:58:00 PM	05/09/1995 10:58:00 AM
380465	3804651	PC-01-001	2.4	17/08/1995 3:00:00 PM	18/08/1995 9:24:00 AM
380465	3804651	WD-01-010	0.4	18/08/1995 9:24:00 AM	18/08/1995 9:48:00 AM
380465	3804651	MT-01-013	21.3	15/09/1995 11:29:00 AM	20/09/1995 11:47:00 AM
380465	3804651	QA-01-002	0.95	20/09/1995 11:47:00 AM	20/09/1995 1:44:00 PM
380465	3804652	PC-01-001	2.4	18/08/1995 9:24:00 AM	18/08/1995 11:48:00 AM
380465	3804652	WD-01-011	0.4	18/08/1995 11:48:00 AM	18/08/1995 1:12:00 PM
380465	3804652	MT-01-014	21.3	15/09/1995 11:49:00 AM	20/09/1995 1:07:00 PM
380465	3804652	QA-01-001	0.95	20/09/1995 1:07:00 PM	20/09/1995 2:04:00 PM
380465	3804653	PC-01-001	2.4	18/08/1995 11:48:00 AM	18/08/1995 3:12:00 PM
380465	3804653	WD-01-012	0.4	18/08/1995 3:12:00 PM	18/08/1995 3:36:00 PM
380465	3804653	MT-01-001	21.3	15/09/1995 1:13:00 PM	20/09/1995 1:31:00 PM
380465	3804653	QA-01-004	0.95	20/09/1995 1:31:00 PM	20/09/1995 2:28:00 PM
380465	3804654	PC-01-001	2.4	18/08/1995 3:12:00 PM	21/08/1995 9:36:00 AM
380465	3804654	WD-01-013	0.4	21/08/1995 9:36:00 AM	21/08/1995 10:00:00 AM
380465	3804654	MT-01-003	21.3	15/09/1995 1:13:00 PM	20/09/1995 1:31:00 PM
380465	3804654	QA-01-002	0.95	20/09/1995 1:44:00 PM	20/09/1995 2:41:00 PM
380465	3804655	PC-01-001	2.4	21/08/1995 9:36:00 AM	21/08/1995 1:00:00 PM
380465	3804655	WD-01-015	0.4	21/08/1995 1:00:00 PM	21/08/1995 1:24:00 PM
380465	3804655	MT-01-004	21.3	18/09/1995 8:33:00 AM	21/09/1995 8:51:00 AM
380465	3804656	PC-01-001	2.4	21/08/1995 1:00:00 PM	21/08/1995 3:24:00 PM
380465	3804656	WD-01-017	0.4	21/08/1995 3:24:00 PM	21/08/1995 3:48:00 PM
380465	3804656	MT-01-005	21.3	18/09/1995 9:19:00 AM	21/09/1995 9:37:00 AM
380465	3804657	PC-01-001	2.4	21/08/1995 3:24:00 PM	22/08/1995 9:48:00 AM
380465	3804657	WD-01-018	0.4	22/08/1995 9:48:00 AM	22/08/1995 10:12:00 AM
380465	3804657	MT-01-006	21.3	18/09/1995 9:29:00 AM	21/09/1995 9:47:00 AM
380465	3804658	PC-01-001	2.4	22/08/1995 9:48:00 AM	22/08/1995 1:12:00 PM
380465	3804658	WD-01-019	0.4	22/08/1995 1:12:00 PM	22/08/1995 1:36:00 PM
380465	3804658	MT-01-010	21.3	18/09/1995 9:29:00 AM	21/09/1995 9:47:00 AM



MSS	MS	M/C CODE	HOUR	DATE start	Date finish
380465	3804659	PC-01-001	2.4	22/08/1995 1:12:00 PM	22/08/1995 3:36:00 PM
380465	3804659	WD-01-005	0.4	22/08/1995 3:36:00 PM	22/08/1995 4:00:00 PM
380465	3804659	MT-01-007	21.3	18/09/1995 11:31:00 AM	21/09/1995 11:49:00 AM
380548	3805481	PC-01-001	0.45	17/08/1995 9:30:00 AM	17/08/1995 9:57:00 AM
380548	3805481	MT-01-008	4.5	29/08/1995 4:01:00 PM	30/08/1995 1:31:00 PM
380548	3805482	PC-01-001	0.45	17/08/1995 9:57:00 AM	17/08/1995 10:24:00 AM
380548	3805482	MT-01-010	4.5	30/08/1995 1:44:00 PM	31/08/1995 10:14:00 AM
380548	3805483	PC-01-001	0.45	17/08/1995 10:24:00 AM	17/08/1995 10:51:00 AM
380548	3805483	MT-01-010	4.5	31/08/1995 10:14:00 AM	31/08/1995 3:44:00 PM
380548	3805484	PC-01-001	0.45	17/08/1995 10:51:00 AM	17/08/1995 11:18:00 AM
380548	3805484	MT-01-006	4.5	31/08/1995 2:01:00 PM	01/09/1995 10:31:00 AM
380548	3805485	PC-01-001	0.45	17/08/1995 11:18:00 AM	17/08/1995 11:45:00 AM
380548	3805485	MT-01-013	4.5	31/08/1995 2:42:00 PM	01/09/1995 11:12:00 AM
380548	3805486	PC-01-001	0.45	17/08/1995 11:45:00 AM	17/08/1995 1:12:00 PM
380548	3805486	MT-01-014	4.5	31/08/1995 2:42:00 PM	01/09/1995 11:12:00 AM
380548	3805487	PC-01-001	0.45	17/08/1995 1:12:00 PM	17/08/1995 1:39:00 PM
380548	3805487	MT-01-010	4.5	31/08/1995 3:44:00 PM	01/09/1995 1:14:00 PM
380548	3805488	PC-01-001	0.45	17/08/1995 1:39:00 PM	17/08/1995 2:06:00 PM
380548	3805488	MT-01-013	4.5	01/09/1995 11:12:00 AM	04/09/1995 8:42:00 AM
380548	3805489	PC-01-001	0.45	17/08/1995 2:06:00 PM	17/08/1995 2:33:00 PM
380548	3805489	MT-01-014	4.5	01/09/1995 11:12:00 AM	04/09/1995 8:42:00 AM
380611	3806111	MT-01-004	14.71	25/08/1995 11:35:00 AM	29/08/1995 1:18:00 PM
380611	3806111	ML-01-001	9.7	13/09/1995 10:18:00 AM	14/09/1995 2:00:00 PM
380611	3806111	DL-01-001	1.2	14/09/1995 2:00:00 PM	14/09/1995 3:12:00 PM
380611	3806111	QA-01-002	1.6	14/09/1995 3:12:00 PM	15/09/1995 8:48:00 AM
380611	3806112	MT-01-005	14.71	25/08/1995 11:35:00 AM	29/08/1995 1:18:00 PM
380611	3806112	ML-01-001	9.7	14/09/1995 2:00:00 PM	18/09/1995 8:42:00 AM
380611	3806112	DL-01-001	1.2	18/09/1995 8:42:00 AM	18/09/1995 9:54:00 AM
380611	3806112	QA-01-002	1.6	18/09/1995 9:54:00 AM	18/09/1995 11:30:00 AM
380611	3806113	MT-01-006	14.71	25/08/1995 11:35:00 AM	29/08/1995 1:18:00 PM
380611	3806113	ML-01-003	9.7	15/09/1995 2:56:00 PM	19/09/1995 9:38:00 AM
380611	3806113	DL-01-002	1.2	19/09/1995 9:38:00 AM	19/09/1995 10:50:00 AM
380611	3806113	QA-01-003	1.6	19/09/1995 10:50:00 AM	19/09/1995 1:26:00 PM
380611	3806114	MT-01-011	14.71	25/08/1995 1:56:00 PM	29/08/1995 2:39:00 PM
380611	3806114	ML-01-001	9.7	18/09/1995 8:42:00 AM	19/09/1995 11:24:00 AM
380611	3806114	DL-01-001	1.2	19/09/1995 11:24:00 AM	19/09/1995 1:36:00 PM
380611	3806114	QA-01-002	1.6	19/09/1995 1:36:00 PM	19/09/1995 3:12:00 PM
380611	3806115	MT-01-001	14.71	25/08/1995 3:45:00 PM	29/08/1995 4:28:00 PM
380611	3806115	ML-01-001	9.7	20/09/1995 9:24:00 AM	21/09/1995 1:06:00 PM
380611	3806116	MT-01-010	14.71	28/08/1995 1:01:00 PM	30/08/1995 1:44:00 PM
380611	3806117	MT-01-004	14.71	29/08/1995 1:18:00 PM	31/08/1995 2:01:00 PM
380611	3806118	MT-01-005	14.71	29/08/1995 1:18:00 PM	31/08/1995 2:01:00 PM
380611	3806119	MT-01-006	14.71	29/08/1995 1:18:00 PM	31/08/1995 2:01:00 PM
380649	3806491	SH-01-001	1.4	23/08/1995 9:30:00 AM	23/08/1995 10:54:00 AM
380649	3806491	FM-01-001	0.3	28/08/1995 1:40:00 PM	28/08/1995 1:58:00 PM

MSS	MS	M/C CODE	HOUR	DATE start	Date finish
380649	3806491	WD-01-015	2.5	28/08/1995 1:58:00 PM	28/08/1995 4:28:00 PM
380649	3806491	AS-01-004	0.704	28/08/1995 4:28:00 PM	29/08/1995 9:10:00 AM
380649	3806492	SH-01-001	1.4	23/08/1995 10:54:00 AM	23/08/1995 1:18:00 PM
380649	3806492	FM-01-001	0.3	28/08/1995 1:58:00 PM	28/08/1995 2:16:00 PM
380649	3806492	WD-01-017	2.5	28/08/1995 2:16:00 PM	29/08/1995 8:46:00 AM
380649	3806492	AS-01-005	0.704	29/08/1995 8:46:00 AM	29/08/1995 9:28:00 AM
380649	3806493	SH-01-001	1.4	23/08/1995 1:18:00 PM	23/08/1995 2:42:00 PM
380649	3806493	FM-01-001	0.3	28/08/1995 2:16:00 PM	28/08/1995 2:34:00 PM
380649	3806493	WD-01-018	2.5	28/08/1995 2:34:00 PM	29/08/1995 9:04:00 AM
380649	3806493	AS-01-001	0.704	29/08/1995 9:04:00 AM	29/08/1995 9:46:00 AM
380649	3806494	SH-01-001	1.4	23/08/1995 2:42:00 PM	23/08/1995 4:06:00 PM
380649	3806494	FM-01-001	0.3	28/08/1995 2:44:00 PM	28/08/1995 3:02:00 PM
380649	3806494	WD-01-019	2.5	28/08/1995 3:02:00 PM	29/08/1995 9:32:00 AM
380649	3806494	AS-01-002	0.704	29/08/1995 9:32:00 AM	29/08/1995 10:14:00 AM
380649	3806495	SH-01-001	1.4	23/08/1995 4:06:00 PM	24/08/1995 9:30:00 AM
380649	3806495	FM-01-001	0.3	28/08/1995 3:02:00 PM	28/08/1995 3:20:00 PM
380649	3806495	WD-01-005	2.5	28/08/1995 3:20:00 PM	29/08/1995 9:50:00 AM
380649	3806495	AS-01-004	0.704	29/08/1995 9:50:00 AM	29/08/1995 10:32:00 AM
380691	3806911	GC-01-003	1.4	08/09/1995 10:08:00 AM	08/09/1995 11:32:00 AM
380691	3806911	WD-01-007	0.3	08/09/1995 11:32:00 AM	08/09/1995 11:50:00 AM
380691	3806911	MT-01-011	8.25	14/09/1995 10:14:00 AM	15/09/1995 11:29:00 AM
380691	3806911	QA-01-002	0.35	15/09/1995 11:29:00 AM	15/09/1995 11:50:00 AM
380691	3806912	GC-01-003	1.4	08/09/1995 11:32:00 AM	08/09/1995 1:56:00 PM
380691	3806912	WD-01-010	0.3	08/09/1995 1:56:00 PM	08/09/1995 2:14:00 PM
380691	3806912	MT-01-013	8.25	14/09/1995 10:14:00 AM	15/09/1995 11:29:00 AM
380691	3806912	QA-01-001	0.35	15/09/1995 11:29:00 AM	15/09/1995 11:50:00 AM
380691	3806913	GC-01-003	1.4	08/09/1995 1:56:00 PM	08/09/1995 3:20:00 PM
380691	3806913	WD-01-014	0.3	08/09/1995 3:20:00 PM	08/09/1995 3:38:00 PM
380691	3806913	MT-01-014	8.25	14/09/1995 10:34:00 AM	15/09/1995 11:49:00 AM
380691	3806913	QA-01-003	0.35	15/09/1995 11:49:00 AM	15/09/1995 1:10:00 PM
380691	3806914	GC-01-003	1.4	08/09/1995 3:20:00 PM	11/09/1995 8:44:00 AM
380691	3806914	WD-01-006	0.3	11/09/1995 8:44:00 AM	11/09/1995 9:02:00 AM
380691	3806914	MT-01-001	8.25	14/09/1995 10:58:00 AM	15/09/1995 1:13:00 PM
380691	3806914	QA-01-004	0.35	15/09/1995 1:13:00 PM	15/09/1995 1:34:00 PM
380691	3806915	GC-01-002	1.4	08/09/1995 4:30:00 PM	11/09/1995 9:54:00 AM
380691	3806915	WD-01-009	0.3	11/09/1995 9:54:00 AM	11/09/1995 10:12:00 AM
380691	3806915	MT-01-003	8.25	14/09/1995 10:58:00 AM	15/09/1995 1:13:00 PM
380691	3806915	QA-01-001	0.35	15/09/1995 1:13:00 PM	15/09/1995 1:34:00 PM
380691	3806916	GC-01-003	1.4	11/09/1995 8:44:00 AM	11/09/1995 10:08:00 AM
380691	3806916	WD-01-015	0.3	11/09/1995 10:08:00 AM	11/09/1995 10:26:00 AM
380691	3806916	MT-01-004	8.25	14/09/1995 3:18:00 PM	18/09/1995 8:33:00 AM
380691	3806916	QA-01-002	0.35	18/09/1995 8:33:00 AM	18/09/1995 8:54:00 AM
380691	3806917	GC-01-002	1.4	11/09/1995 9:54:00 AM	11/09/1995 11:18:00 AM
380691	3806917	WD-01-016	0.3	11/09/1995 11:18:00 AM	11/09/1995 11:36:00 AM
380691	3806917	MT-01-005	8.25	14/09/1995 4:04:00 PM	18/09/1995 9:19:00 AM



MSS	MS	M/C CODE	HOUR	DATE start	Date finish
380691	3806917	QA-01-003	0.35	18/09/1995 9:19:00 AM	18/09/1995 9:40:00 AM
380691	3806918	GC-01-003	1.4	11/09/1995 10:08:00 AM	11/09/1995 11:32:00 AM
380691	3806918	WD-01-012	0.3	11/09/1995 11:32:00 AM	11/09/1995 11:50:00 AM
380691	3806918	MT-01-006	8.25	14/09/1995 4:14:00 PM	18/09/1995 9:29:00 AM
380691	3806918	QA-01-001	0.35	18/09/1995 9:29:00 AM	18/09/1995 9:50:00 AM
380691	3806919	GC-01-002	1.4	11/09/1995 11:18:00 AM	11/09/1995 1:42:00 PM
380691	3806919	WD-01-017	0.3	11/09/1995 1:42:00 PM	11/09/1995 2:00:00 PM
380691	3806919	MT-01-010	8.25	14/09/1995 4:14:00 PM	18/09/1995 9:29:00 AM
380691	3806919	QA-01-004	0.35	18/09/1995 9:29:00 AM	18/09/1995 9:50:00 AM
380705	3807051	SH-01-001	2	22/08/1995 11:30:00 AM	22/08/1995 2:30:00 PM
380705	3807051	PU-01-003	3	22/08/1995 2:30:00 PM	23/08/1995 9:30:00 AM
380705	3807051	WD-01-001	4	23/08/1995 9:30:00 AM	23/08/1995 2:30:00 PM
380705	3807051	MT-01-007	94.5	29/08/1995 4:01:00 PM	18/09/1995 11:31:00 AM
380719	3807191	GC-01-003	1	05/09/1995 10:58:00 AM	05/09/1995 11:58:00 AM
380719	3807191	MT-01-003	5	05/09/1995 2:51:00 PM	06/09/1995 11:51:00 AM
380719	3807191	DL-01-003	3	06/09/1995 11:51:00 AM	06/09/1995 3:51:00 PM
380719	3807191	QA-01-002	4	06/09/1995 3:51:00 PM	07/09/1995 11:51:00 AM
380730	3807301	GC-01-002	4.3333	12/09/1995 9:42:00 AM	12/09/1995 3:02:00 PM
380730	3807301	AS-01-004	4.6333	12/09/1995 3:02:00 PM	13/09/1995 11:40:00 AM
380730	3807301	WD-01-013	29.333	13/09/1995 11:40:00 AM	19/09/1995 2:00:00 PM
380730	3807301	BR-01-001	23.333	19/09/1995 2:00:00 PM	22/09/1995 4:20:00 PM
380730	3807302	GC-01-003	4.3333	12/09/1995 10:26:00 AM	12/09/1995 3:46:00 PM
380730	3807302	AS-01-001	4.6333	12/09/1995 3:46:00 PM	13/09/1995 1:24:00 PM
380730	3807302	WD-01-014	29.333	13/09/1995 1:24:00 PM	19/09/1995 2:44:00 PM
380730	3807303	GC-01-002	4.3333	12/09/1995 3:02:00 PM	13/09/1995 11:22:00 AM
380730	3807303	AS-01-005	4.6333	13/09/1995 11:22:00 AM	14/09/1995 9:00:00 AM
380730	3807303	WD-01-015	29.333	14/09/1995 9:00:00 AM	20/09/1995 10:20:00 AM
380759	3807591	SH-01-001	0.75	19/09/1995 10:42:00 AM	19/09/1995 11:27:00 AM
380759	3807591	FM-01-001	1	19/09/1995 11:27:00 AM	19/09/1995 1:27:00 PM
380759	3807592	SH-01-001	0.75	19/09/1995 11:27:00 AM	19/09/1995 1:12:00 PM
380759	3807592	FM-01-001	1	19/09/1995 1:27:00 PM	19/09/1995 2:27:00 PM
380759	3807593	SH-01-001	0.75	19/09/1995 1:12:00 PM	19/09/1995 1:57:00 PM
380759	3807593	FM-01-001	1	19/09/1995 2:27:00 PM	19/09/1995 3:27:00 PM
380759	3807594	SH-01-001	0.75	19/09/1995 1:57:00 PM	19/09/1995 2:42:00 PM
380759	3807594	FM-01-001	1	19/09/1995 3:27:00 PM	19/09/1995 4:27:00 PM
380767	3807671	GC-01-003	1.6875	05/09/1995 11:58:00 AM	05/09/1995 2:39:00 PM
380767	3807671	WD-01-005	0.625	05/09/1995 2:39:00 PM	05/09/1995 3:17:00 PM
380767	3807671	MT-01-014	12.625	06/09/1995 9:36:00 AM	07/09/1995 4:14:00 PM
380767	3807672	GC-01-003	1.6875	05/09/1995 2:39:00 PM	05/09/1995 4:20:00 PM
380767	3807672	WD-01-015	0.625	05/09/1995 4:20:00 PM	06/09/1995 8:58:00 AM
380767	3807672	MT-01-003	12.625	06/09/1995 11:51:00 AM	08/09/1995 10:29:00 AM
380767	3807673	GC-01-003	1.6875	06/09/1995 3:02:00 PM	07/09/1995 8:43:00 AM
380767	3807673	WD-01-011	0.625	07/09/1995 8:43:00 AM	07/09/1995 9:21:00 AM
380767	3807673	MT-01-013	12.625	11/09/1995 2:46:00 PM	13/09/1995 1:24:00 PM
380767	3807674	GC-01-003	1.6875	07/09/1995 8:43:00 AM	07/09/1995 10:24:00 AM

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380767	3807674	WD-01-014	0.625	07/09/1995 10:24:00 AM	07/09/1995 11:02:00 AM
380767	3807674	MT-01-004	12.625	11/09/1995 2:46:00 PM	13/09/1995 1:24:00 PM
380767	3807675	GC-01-003	1.6875	07/09/1995 10:24:00 AM	07/09/1995 1:05:00 PM
380767	3807675	WD-01-009	0.625	07/09/1995 1:05:00 PM	07/09/1995 1:43:00 PM
380767	3807675	MT-01-005	12.625	11/09/1995 2:46:00 PM	13/09/1995 1:24:00 PM
380767	3807676	GC-01-003	1.6875	07/09/1995 1:05:00 PM	07/09/1995 2:46:00 PM
380767	3807676	WD-01-015	0.625	07/09/1995 2:46:00 PM	07/09/1995 3:24:00 PM
380767	3807676	MT-01-006	12.625	11/09/1995 2:46:00 PM	13/09/1995 1:24:00 PM
380767	3807677	GC-01-003	1.6875	07/09/1995 2:46:00 PM	07/09/1995 4:27:00 PM
380767	3807677	WD-01-017	0.625	07/09/1995 4:27:00 PM	08/09/1995 9:05:00 AM
380767	3807677	MT-01-010	12.625	11/09/1995 2:46:00 PM	13/09/1995 1:24:00 PM
380767	3807678	GC-01-003	1.6875	07/09/1995 4:27:00 PM	08/09/1995 10:08:00 AM
380767	3807678	WD-01-004	0.625	08/09/1995 10:08:00 AM	08/09/1995 10:46:00 AM
380767	3807678	MT-01-011	12.625	11/09/1995 2:46:00 PM	13/09/1995 1:24:00 PM
380817	3808171	SP-01-002	3.786	22/08/1995 9:30:00 AM	22/08/1995 2:17:00 PM
380817	3808171	ML-01-003	0.357	25/08/1995 10:52:00 AM	25/08/1995 11:13:00 AM
380817	3808171	QA-01-003	0.143	25/08/1995 11:13:00 AM	25/08/1995 11:22:00 AM
380817	3808172	SP-01-002	3.786	22/08/1995 2:17:00 PM	23/08/1995 10:04:00 AM
380817	3808172	ML-01-003	0.357	25/08/1995 11:34:00 AM	25/08/1995 11:55:00 AM
380817	3808172	QA-01-002	0.143	25/08/1995 11:57:00 AM	25/08/1995 1:06:00 PM
380817	3808173	SP-01-002	3.786	23/08/1995 10:04:00 AM	23/08/1995 2:51:00 PM
380817	3808173	ML-01-003	0.357	25/08/1995 11:55:00 AM	25/08/1995 1:16:00 PM
380817	3808173	QA-01-003	0.143	25/08/1995 1:16:00 PM	25/08/1995 1:25:00 PM
380817	3808174	SP-01-002	3.786	23/08/1995 2:51:00 PM	24/08/1995 10:38:00 AM
380817	3808174	ML-01-003	0.357	25/08/1995 1:16:00 PM	25/08/1995 1:37:00 PM
380817	3808174	QA-01-001	0.143	25/08/1995 1:37:00 PM	25/08/1995 1:46:00 PM
380817	3808175	SP-01-002	3.786	24/08/1995 10:38:00 AM	24/08/1995 3:25:00 PM
380817	3808175	ML-01-003	0.357	25/08/1995 10:31:00 AM	25/08/1995 10:52:00 AM
380817	3808175	QA-01-002	0.143	25/08/1995 10:52:00 AM	25/08/1995 11:01:00 AM
380817	3808176	SP-01-002	3.786	24/08/1995 3:25:00 PM	25/08/1995 11:12:00 AM
380817	3808176	ML-01-003	0.357	25/08/1995 11:13:00 AM	25/08/1995 11:34:00 AM
380817	3808176	QA-01-001	0.143	25/08/1995 11:34:00 AM	25/08/1995 11:43:00 AM
380817	3808177	SP-01-002	3.786	25/08/1995 11:12:00 AM	25/08/1995 3:59:00 PM
380817	3808177	ML-01-001	0.357	25/08/1995 3:59:00 PM	25/08/1995 4:20:00 PM
380817	3808177	QA-01-004	0.143	25/08/1995 4:20:00 PM	25/08/1995 4:29:00 PM
380875	3808751	SH-01-001	3	22/08/1995 2:30:00 PM	23/08/1995 9:30:00 AM
380875	3808751	PU-01-004	3.5	23/08/1995 9:30:00 AM	23/08/1995 2:00:00 PM
380875	3808751	FM-01-001	4.5	25/08/1995 4:00:00 PM	28/08/1995 1:30:00 PM
380875	3808751	WD-01-013	3	28/08/1995 1:30:00 PM	28/08/1995 4:30:00 PM
380875	3808751	QA-01-003	2	28/08/1995 4:30:00 PM	29/08/1995 10:30:00 AM
380877	3808771	MT-01-001	14.9	29/08/1995 4:28:00 PM	01/09/1995 9:22:00 AM
380877	3808772	MT-01-014	14.9	04/09/1995 8:42:00 AM	06/09/1995 9:36:00 AM
380877	3808773	MT-01-004	14.9	04/09/1995 11:39:00 AM	06/09/1995 1:33:00 PM
380877	3808774	MT-01-005	14.9	04/09/1995 11:39:00 AM	06/09/1995 1:33:00 PM
380877	3808775	MT-01-011	14.9	04/09/1995 2:00:00 PM	06/09/1995 2:54:00 PM

MSS	MS	M/C CODE	HOUR	DATE start	Date finish
380877	3808776	MT-01-013	14.9	04/09/1995 2:12:00 PM	06/09/1995 3:06:00 PM
380877	3808777	MT-01-001	14.9	04/09/1995 4:00:00 PM	07/09/1995 8:54:00 AM
380877	3808778	MT-01-006	14.9	05/09/1995 9:09:00 AM	07/09/1995 10:03:00 AM
380877	3808779	MT-01-010	14.9	05/09/1995 10:52:00 AM	07/09/1995 11:46:00 AM
380878	3808781	MT-01-005	8.9	06/09/1995 1:33:00 PM	07/09/1995 3:27:00 PM
380878	3808781	QA-01-001	0.7	07/09/1995 3:27:00 PM	07/09/1995 4:09:00 PM
380878	3808782	MT-01-011	8.9	06/09/1995 2:54:00 PM	08/09/1995 8:48:00 AM
380878	3808782	QA-01-002	0.7	08/09/1995 8:48:00 AM	08/09/1995 9:30:00 AM
380878	3808783	MT-01-013	8.9	06/09/1995 3:06:00 PM	08/09/1995 9:00:00 AM
380878	3808783	QA-01-003	0.7	08/09/1995 9:00:00 AM	08/09/1995 9:42:00 AM
380878	3808784	MT-01-014	8.9	11/09/1995 2:46:00 PM	13/09/1995 8:40:00 AM
380878	3808784	QA-01-002	0.7	13/09/1995 8:40:00 AM	13/09/1995 9:22:00 AM
380878	3808785	MT-01-001	8.9	11/09/1995 3:10:00 PM	13/09/1995 9:04:00 AM
380878	3808785	QA-01-002	0.7	13/09/1995 9:22:00 AM	13/09/1995 10:04:00 AM
380878	3808786	MT-01-003	8.9	11/09/1995 3:10:00 PM	13/09/1995 9:04:00 AM
380878	3808786	QA-01-002	0.7	13/09/1995 10:04:00 AM	13/09/1995 10:46:00 AM
380878	3808787	MT-01-014	8.9	13/09/1995 8:40:00 AM	14/09/1995 10:34:00 AM
380878	3808787	QA-01-001	0.7	14/09/1995 11:04:00 AM	14/09/1995 11:46:00 AM
380878	3808788	MT-01-001	8.9	13/09/1995 9:04:00 AM	14/09/1995 10:58:00 AM
380878	3808788	QA-01-002	0.7	14/09/1995 11:04:00 AM	14/09/1995 11:46:00 AM
380878	3808789	MT-01-003	8.9	13/09/1995 9:04:00 AM	14/09/1995 10:58:00 AM
380878	3808789	QA-01-003	0.7	14/09/1995 11:04:00 AM	14/09/1995 11:46:00 AM
380972	3809721	WD-01-014	1.6	17/08/1995 9:30:00 AM	17/08/1995 11:06:00 AM
380972	3809722	WD-01-015	1.6	17/08/1995 9:30:00 AM	17/08/1995 11:06:00 AM
380972	3809723	WD-01-016	1.6	17/08/1995 9:30:00 AM	17/08/1995 11:06:00 AM
380972	3809724	WD-01-017	1.6	17/08/1995 9:30:00 AM	17/08/1995 11:06:00 AM
380972	3809725	WD-01-018	1.6	17/08/1995 9:30:00 AM	17/08/1995 11:06:00 AM
380972	3809726	WD-01-019	1.6	17/08/1995 9:30:00 AM	17/08/1995 11:06:00 AM
380972	3809727	WD-01-004	1.6	17/08/1995 10:00:00 AM	17/08/1995 11:36:00 AM
380972	3809728	WD-01-005	1.6	17/08/1995 10:00:00 AM	17/08/1995 11:36:00 AM
380972	3809729	WD-01-006	1.6	17/08/1995 10:00:00 AM	17/08/1995 11:36:00 AM
380991	3809911	TB-01-001	0.1667	17/08/1995 9:30:00 AM	17/08/1995 9:40:00 AM
380991	3809912	TB-01-001	0.1667	17/08/1995 9:40:00 AM	17/08/1995 9:50:00 AM
380991	3809913	TB-01-001	0.1667	17/08/1995 9:50:00 AM	17/08/1995 10:00:00 AM
380991	3809914	TB-01-001	0.1667	17/08/1995 10:00:00 AM	17/08/1995 10:10:00 AM
380991	3809915	TB-01-001	0.1667	17/08/1995 10:10:00 AM	17/08/1995 10:20:00 AM
380991	3809916	TB-01-001	0.1667	17/08/1995 10:20:00 AM	17/08/1995 10:30:00 AM
380991	3809917	TB-01-001	0.1667	17/08/1995 10:30:00 AM	17/08/1995 10:40:00 AM
380991	3809918	TB-01-001	0.1667	17/08/1995 10:40:00 AM	17/08/1995 10:50:00 AM
380991	3809919	TB-01-001	0.1667	17/08/1995 10:50:00 AM	17/08/1995 11:00:00 AM
380992	3809921	TB-01-001	2	17/08/1995 11:00:00 AM	17/08/1995 2:00:00 PM
380992	3809921	QA-01-001	0.3	17/08/1995 2:00:00 PM	17/08/1995 2:18:00 PM
380992	3809922	TB-01-001	2	17/08/1995 2:00:00 PM	17/08/1995 4:00:00 PM
380992	3809922	QA-01-002	0.3	17/08/1995 4:00:00 PM	17/08/1995 4:18:00 PM
380992	3809923	TB-01-001	2	17/08/1995 4:00:00 PM	18/08/1995 10:00:00 AM

MSS	MS	M/C CODE	HOUR	DATE start	Date finish
380992	3809923	QA-01-003	0.3	18/08/1995 10:00:00 AM	18/08/1995 10:18:00 AM
380992	3809924	TB-01-001	2	18/08/1995 10:00:00 AM	18/08/1995 1:00:00 PM
380992	3809924	QA-01-004	0.3	18/08/1995 1:00:00 PM	18/08/1995 1:18:00 PM
380992	3809925	TB-01-001	2	18/08/1995 1:00:00 PM	18/08/1995 3:00:00 PM
380992	3809925	QA-01-001	0.3	18/08/1995 3:00:00 PM	18/08/1995 3:18:00 PM
380992	3809926	TB-01-001	2	18/08/1995 3:00:00 PM	21/08/1995 9:00:00 AM
380992	3809926	QA-01-004	0.3	21/08/1995 9:00:00 AM	21/08/1995 9:18:00 AM
380992	3809927	TB-01-001	2	21/08/1995 9:00:00 AM	21/08/1995 11:00:00 AM
380992	3809927	QA-01-001	0.3	21/08/1995 11:00:00 AM	21/08/1995 11:18:00 AM
380992	3809928	TB-01-001	2	21/08/1995 3:30:00 PM	22/08/1995 9:30:00 AM
380992	3809928	QA-01-001	0.3	22/08/1995 9:30:00 AM	22/08/1995 9:48:00 AM
380992	3809929	TB-01-001	2	22/08/1995 9:30:00 AM	22/08/1995 11:30:00 AM
380992	3809929	QA-01-001	0.3	22/08/1995 11:30:00 AM	22/08/1995 11:48:00 AM
381026	3810261	GT-01-001	1.303	17/08/1995 9:30:00 AM	17/08/1995 10:48:00 AM
381026	3810262	GT-01-001	1.303	17/08/1995 10:48:00 AM	17/08/1995 1:06:00 PM
381026	3810263	GT-01-001	1.303	17/08/1995 1:06:00 PM	17/08/1995 2:24:00 PM
381026	3810264	GT-01-001	1.303	17/08/1995 2:24:00 PM	17/08/1995 3:42:00 PM
381026	3810265	GT-01-001	1.303	17/08/1995 3:42:00 PM	18/08/1995 9:00:00 AM
381026	3810266	GT-01-001	1.303	18/08/1995 9:00:00 AM	18/08/1995 10:18:00 AM
381026	3810267	GT-01-001	1.303	18/08/1995 10:18:00 AM	18/08/1995 11:36:00 AM
381026	3810268	GT-01-001	1.303	18/08/1995 11:36:00 AM	18/08/1995 1:54:00 PM
381026	3810269	GT-01-001	1.303	18/08/1995 1:54:00 PM	18/08/1995 3:12:00 PM
381048	3810481	PC-01-001	10.5	23/08/1995 10:00:00 AM	24/08/1995 2:30:00 PM
381048	3810481	WD-01-010	2	24/08/1995 2:30:00 PM	24/08/1995 4:30:00 PM
381058	3810581	MT-01-005	4.833	13/09/1995 1:24:00 PM	14/09/1995 10:14:00 AM
381058	3810581	DL-01-006	0.1667	14/09/1995 10:14:00 AM	14/09/1995 10:24:00 AM
381058	3810581	QA-01-004	0.6667	14/09/1995 10:24:00 AM	14/09/1995 11:04:00 AM
381058	3810582	MT-01-006	4.833	13/09/1995 1:24:00 PM	14/09/1995 10:14:00 AM
381058	3810582	DL-01-001	0.1667	14/09/1995 10:14:00 AM	14/09/1995 10:24:00 AM
381058	3810582	QA-01-002	0.6667	14/09/1995 10:24:00 AM	14/09/1995 11:04:00 AM
381058	3810583	MT-01-010	4.833	13/09/1995 1:24:00 PM	14/09/1995 10:14:00 AM
381058	3810583	DL-01-002	0.1667	14/09/1995 10:14:00 AM	14/09/1995 10:24:00 AM
381058	3810583	QA-01-001	0.6667	14/09/1995 10:24:00 AM	14/09/1995 11:04:00 AM
381058	3810584	MT-01-011	4.833	13/09/1995 1:24:00 PM	14/09/1995 10:14:00 AM
381058	3810584	DL-01-004	0.1667	14/09/1995 10:14:00 AM	14/09/1995 10:24:00 AM
381058	3810584	QA-01-003	0.6667	14/09/1995 10:24:00 AM	14/09/1995 11:04:00 AM
381058	3810585	MT-01-013	4.833	13/09/1995 1:24:00 PM	14/09/1995 10:14:00 AM
381058	3810585	DL-01-001	0.1667	14/09/1995 10:24:00 AM	14/09/1995 10:34:00 AM
381058	3810585	QA-01-004	0.6667	14/09/1995 11:04:00 AM	14/09/1995 11:44:00 AM
381058	3810586	MT-01-005	4.833	14/09/1995 10:14:00 AM	14/09/1995 4:04:00 PM
381058	3810586	DL-01-006	0.1667	14/09/1995 4:04:00 PM	14/09/1995 4:14:00 PM
381058	3810586	QA-01-002	0.6667	15/09/1995 8:48:00 AM	15/09/1995 9:28:00 AM
381059	3810591	MT-01-006	5	14/09/1995 10:14:00 AM	14/09/1995 4:14:00 PM
381059	3810591	QA-01-001	1.5	14/09/1995 4:14:00 PM	15/09/1995 9:44:00 AM
381059	3810592	MT-01-010	5	14/09/1995 10:14:00 AM	14/09/1995 4:14:00 PM

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381059	3810592	QA-01-003	1.5	14/09/1995 4:14:00 PM	15/09/1995 9:44:00 AM
381075	3810751	WD-01-004	0.5	17/08/1995 9:30:00 AM	17/08/1995 10:00:00 AM
381075	3810751	DL-01-006	0.5	17/08/1995 10:30:00 AM	17/08/1995 11:00:00 AM
381075	3810752	WD-01-005	0.5	17/08/1995 9:30:00 AM	17/08/1995 10:00:00 AM
381075	3810752	DL-01-006	0.5	17/08/1995 11:00:00 AM	17/08/1995 11:30:00 AM
381075	3810753	WD-01-006	0.5	17/08/1995 9:30:00 AM	17/08/1995 10:00:00 AM
381075	3810753	DL-01-006	0.5	17/08/1995 11:30:00 AM	17/08/1995 1:00:00 PM
381075	3810754	WD-01-007	0.5	17/08/1995 9:30:00 AM	17/08/1995 10:00:00 AM
381075	3810754	DL-01-006	0.5	17/08/1995 1:00:00 PM	17/08/1995 1:30:00 PM
381075	3810755	WD-01-008	0.5	17/08/1995 9:30:00 AM	17/08/1995 10:00:00 AM
381075	3810755	DL-01-006	0.5	17/08/1995 1:30:00 PM	17/08/1995 2:00:00 PM
381075	3810756	WD-01-009	0.5	17/08/1995 9:30:00 AM	17/08/1995 10:00:00 AM
381075	3810756	DL-01-006	0.5	17/08/1995 2:00:00 PM	17/08/1995 2:30:00 PM
381075	3810757	WD-01-010	0.5	17/08/1995 9:30:00 AM	17/08/1995 10:00:00 AM
381075	3810757	DL-01-006	0.5	17/08/1995 2:30:00 PM	17/08/1995 3:00:00 PM
381075	3810758	WD-01-011	0.5	17/08/1995 9:30:00 AM	17/08/1995 10:00:00 AM
381075	3810758	DL-01-006	0.5	17/08/1995 3:00:00 PM	17/08/1995 3:30:00 PM
381075	3810759	WD-01-012	0.5	17/08/1995 9:30:00 AM	17/08/1995 10:00:00 AM
381075	3810759	DL-01-006	0.5	17/08/1995 3:30:00 PM	17/08/1995 4:00:00 PM
381076	3810761	DL-01-001	1.25	17/08/1995 9:30:00 AM	17/08/1995 10:45:00 AM
381076	3810761	RO-01-002	1	17/08/1995 10:45:00 AM	17/08/1995 11:45:00 AM
381076	3810762	DL-01-002	1.25	17/08/1995 9:30:00 AM	17/08/1995 10:45:00 AM
381076	3810762	RO-01-002	1	17/08/1995 11:45:00 AM	17/08/1995 1:45:00 PM
381076	3810763	DL-01-003	1.25	17/08/1995 9:30:00 AM	17/08/1995 10:45:00 AM
381076	3810763	RO-01-002	1	17/08/1995 1:45:00 PM	17/08/1995 2:45:00 PM
381076	3810764	DL-01-004	1.25	17/08/1995 9:30:00 AM	17/08/1995 10:45:00 AM
381076	3810764	RO-01-002	1	17/08/1995 2:45:00 PM	17/08/1995 3:45:00 PM
381077	3810771	DL-01-006	0.25	17/08/1995 9:30:00 AM	17/08/1995 9:45:00 AM
381077	3810771	FM-01-001	0.375	29/08/1995 8:50:00 AM	29/08/1995 9:12:00 AM
381077	3810772	DL-01-006	0.25	17/08/1995 9:45:00 AM	17/08/1995 10:00:00 AM
381077	3810772	FM-01-001	0.375	29/08/1995 9:12:00 AM	29/08/1995 9:34:00 AM
381077	3810773	DL-01-006	0.25	17/08/1995 10:00:00 AM	17/08/1995 10:15:00 AM
381077	3810773	FM-01-001	0.375	29/08/1995 9:34:00 AM	29/08/1995 9:56:00 AM
381077	3810774	DL-01-006	0.25	17/08/1995 10:15:00 AM	17/08/1995 10:30:00 AM
381077	3810774	FM-01-001	0.375	29/08/1995 10:06:00 AM	29/08/1995 10:28:00 AM
381078	3810781	GC-01-003	0.333	12/09/1995 3:46:00 PM	12/09/1995 4:06:00 PM
381078	3810781	AS-01-003	0.5	12/09/1995 4:06:00 PM	13/09/1995 8:36:00 AM
381078	3810782	GC-01-003	0.333	12/09/1995 4:06:00 PM	12/09/1995 4:26:00 PM
381078	3810782	AS-01-002	0.5	12/09/1995 4:26:00 PM	13/09/1995 8:56:00 AM
381078	3810783	GC-01-003	0.333	12/09/1995 4:26:00 PM	13/09/1995 8:46:00 AM
381078	3810783	AS-01-005	0.5	13/09/1995 8:46:00 AM	13/09/1995 9:16:00 AM
381078	3810784	GC-01-003	0.333	13/09/1995 8:46:00 AM	13/09/1995 9:06:00 AM
381078	3810784	AS-01-003	0.5	13/09/1995 9:06:00 AM	13/09/1995 9:36:00 AM
381078	3810785	GC-01-003	0.333	13/09/1995 9:06:00 AM	13/09/1995 9:26:00 AM
381078	3810785	AS-01-002	0.5	13/09/1995 9:26:00 AM	13/09/1995 9:56:00 AM

MSS	MS	M/C CODE	HOUR	DATE start	Date finish
381078	3810786	GC-01-003	0.333	13/09/1995 9:26:00 AM	13/09/1995 9:46:00 AM
381078	3810786	AS-01-005	0.5	13/09/1995 9:46:00 AM	13/09/1995 10:16:00 AM
381090	3810901	GF-01-001	3	17/08/1995 9:30:00 AM	17/08/1995 1:30:00 PM
381093	3810931	GC-01-003	3.5	13/09/1995 9:46:00 AM	13/09/1995 2:16:00 PM
381093	3810931	WD-01-006	26	13/09/1995 2:16:00 PM	19/09/1995 11:16:00 AM
381093	3810931	AS-01-005	4.5	19/09/1995 11:16:00 AM	20/09/1995 8:46:00 AM
381093	3810931	QA-01-004	3	20/09/1995 8:46:00 AM	20/09/1995 11:46:00 AM
381093	3810932	GC-01-002	3.5	13/09/1995 11:22:00 AM	13/09/1995 3:52:00 PM
381093	3810932	WD-01-009	26	13/09/1995 3:52:00 PM	19/09/1995 1:52:00 PM
381093	3810932	AS-01-004	4.5	19/09/1995 1:52:00 PM	20/09/1995 10:22:00 AM
381093	3810932	QA-01-003	3	20/09/1995 10:22:00 AM	20/09/1995 2:22:00 PM
381109	3811091	WD-01-008	6.25	17/08/1995 10:00:00 AM	18/08/1995 9:15:00 AM
381109	3811091	AS-01-001	5.5	18/08/1995 9:15:00 AM	18/08/1995 3:45:00 PM
381109	3811091	QA-01-002	1	18/08/1995 3:45:00 PM	21/08/1995 8:45:00 AM
381109	3811092	WD-01-009	6.25	17/08/1995 10:00:00 AM	18/08/1995 9:15:00 AM
381109	3811092	AS-01-002	5.5	18/08/1995 9:15:00 AM	18/08/1995 3:45:00 PM
381109	3811092	QA-01-003	1	18/08/1995 3:45:00 PM	21/08/1995 8:45:00 AM
381117	3811171	SH-01-001	3	24/08/1995 4:30:00 PM	25/08/1995 11:30:00 AM
381117	3811171	PU-01-005	10	25/08/1995 11:30:00 AM	28/08/1995 3:30:00 PM
381117	3811171	FM-01-001	3	29/08/1995 10:28:00 AM	29/08/1995 2:28:00 PM
381117	3811171	QA-01-003	3	29/08/1995 2:28:00 PM	30/08/1995 9:28:00 AM
381130	3811301	GF-01-001	0.8333	17/08/1995 1:30:00 PM	17/08/1995 2:20:00 PM
381130	3811302	GF-01-001	0.8333	17/08/1995 2:20:00 PM	17/08/1995 3:10:00 PM
381130	3811303	GF-01-001	0.8333	17/08/1995 3:10:00 PM	17/08/1995 4:00:00 PM
381130	3811304	GF-01-001	0.8333	17/08/1995 4:00:00 PM	18/08/1995 8:50:00 AM
381130	3811305	GF-01-001	0.8333	18/08/1995 8:50:00 AM	18/08/1995 9:40:00 AM
381130	3811306	GF-01-001	0.8333	18/08/1995 9:40:00 AM	18/08/1995 10:30:00 AM
381136	3811361	TB-01-001	3	22/08/1995 2:30:00 PM	23/08/1995 9:30:00 AM
381136	3811361	QA-01-003	0.5	23/08/1995 9:30:00 AM	23/08/1995 10:00:00 AM
381137	3811371	MT-01-013	2.8	20/09/1995 11:47:00 AM	20/09/1995 3:35:00 PM
381137	3811372	MT-01-014	2.8	20/09/1995 1:07:00 PM	20/09/1995 3:55:00 PM
381137	3811373	MT-01-001	2.8	20/09/1995 1:31:00 PM	20/09/1995 4:19:00 PM
381137	3811374	MT-01-003	2.8	20/09/1995 1:31:00 PM	20/09/1995 4:19:00 PM
381137	3811375	MT-01-013	2.8	20/09/1995 3:35:00 PM	21/09/1995 10:23:00 AM
381137	3811376	MT-01-014	2.8	20/09/1995 3:55:00 PM	21/09/1995 10:43:00 AM
381142	3811421	ML-01-003	36.5	25/08/1995 1:37:00 PM	01/09/1995 3:07:00 PM
381142	3811421	GF-01-001	5	01/09/1995 3:07:00 PM	04/09/1995 1:07:00 PM
381145	3811451	GF-01-001	2	23/08/1995 9:30:00 AM	23/08/1995 11:30:00 AM
381146	3811461	PC-01-001	0.55	24/08/1995 2:30:00 PM	24/08/1995 3:03:00 PM
381146	3811462	PC-01-001	0.55	24/08/1995 3:03:00 PM	24/08/1995 3:36:00 PM
381146	3811463	PC-01-001	0.55	24/08/1995 3:36:00 PM	24/08/1995 4:09:00 PM
381146	3811464	PC-01-001	0.55	24/08/1995 4:09:00 PM	25/08/1995 8:42:00 AM
381146	3811465	PC-01-001	0.55	25/08/1995 8:42:00 AM	25/08/1995 9:15:00 AM
381146	3811466	PC-01-001	0.55	25/08/1995 9:15:00 AM	25/08/1995 9:48:00 AM
381146	3811467	PC-01-001	0.55	25/08/1995 9:48:00 AM	25/08/1995 10:21:00 AM



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381146	3811468	PC-01-001	0.55	25/08/1995 10:21:00 AM	25/08/1995 10:54:00 AM
381146	3811469	PC-01-001	0.55	25/08/1995 10:54:00 AM	25/08/1995 11:27:00 AM
381152	3811521	BR-01-001	23.5	21/08/1995 9:30:00 AM	24/08/1995 1:00:00 PM
381152	3811521	GF-01-001	11	24/08/1995 1:00:00 PM	28/08/1995 9:00:00 AM
381161	3811611	DL-01-001	3.45	25/08/1995 9:30:00 AM	25/08/1995 1:57:00 PM
381161	3811611	GF-01-001	1.6	28/08/1995 9:00:00 AM	28/08/1995 10:36:00 AM
381161	3811612	DL-01-002	3.45	25/08/1995 9:30:00 AM	25/08/1995 1:57:00 PM
381161	3811612	GF-01-001	1.6	28/08/1995 10:36:00 AM	28/08/1995 1:12:00 PM
381161	3811613	DL-01-003	3.45	25/08/1995 9:30:00 AM	25/08/1995 1:57:00 PM
381161	3811613	GF-01-001	1.6	28/08/1995 1:12:00 PM	28/08/1995 2:48:00 PM
381161	3811614	DL-01-004	3.45	25/08/1995 9:30:00 AM	25/08/1995 1:57:00 PM
381161	3811614	GF-01-001	1.6	28/08/1995 2:48:00 PM	28/08/1995 4:24:00 PM
381161	3811615	DL-01-006	3.45	25/08/1995 9:30:00 AM	25/08/1995 1:57:00 PM
381161	3811615	GF-01-001	1.6	28/08/1995 4:24:00 PM	29/08/1995 10:00:00 AM
381161	3811616	DL-01-001	3.45	25/08/1995 1:57:00 PM	28/08/1995 9:24:00 AM
381161	3811616	GF-01-001	1.6	29/08/1995 10:00:00 AM	29/08/1995 11:36:00 AM
381161	3811617	DL-01-002	3.45	25/08/1995 1:57:00 PM	28/08/1995 9:24:00 AM
381161	3811617	GF-01-001	1.6	29/08/1995 11:36:00 AM	29/08/1995 2:12:00 PM
381161	3811618	DL-01-003	3.45	25/08/1995 1:57:00 PM	28/08/1995 9:24:00 AM
381161	3811618	GF-01-001	1.6	29/08/1995 2:12:00 PM	29/08/1995 3:48:00 PM
381161	3811619	DL-01-004	3.45	25/08/1995 1:57:00 PM	28/08/1995 9:24:00 AM
381161	3811619	GF-01-001	1.6	29/08/1995 3:48:00 PM	30/08/1995 9:24:00 AM
381164	3811641	PU-01-002	3	23/08/1995 9:30:00 AM	23/08/1995 1:30:00 PM
381184	3811841	GT-01-001	5.3	28/08/1995 9:30:00 AM	28/08/1995 3:48:00 PM
381184	3811842	GT-01-001	5.3	28/08/1995 3:48:00 PM	29/08/1995 2:06:00 PM
381184	3811843	GT-01-001	5.3	29/08/1995 2:06:00 PM	30/08/1995 11:24:00 AM
381184	3811844	GT-01-001	5.3	30/08/1995 11:24:00 AM	31/08/1995 9:42:00 AM
381184	3811845	GT-01-001	5.3	31/08/1995 9:42:00 AM	31/08/1995 4:00:00 PM
381184	3811846	GT-01-001	5.3	31/08/1995 4:00:00 PM	01/09/1995 2:18:00 PM
381184	3811847	GT-01-001	5.3	01/09/1995 2:18:00 PM	04/09/1995 11:36:00 AM
381184	3811848	GT-01-001	5.3	04/09/1995 11:36:00 AM	05/09/1995 9:54:00 AM
381184	3811849	GT-01-001	5.3	05/09/1995 9:54:00 AM	05/09/1995 4:12:00 PM
381193	3811931	WD-01-011	2.25	05/09/1995 9:30:00 AM	05/09/1995 11:45:00 AM
381193	3811932	WD-01-012	2.25	05/09/1995 9:30:00 AM	05/09/1995 11:45:00 AM
381193	3811933	WD-01-004	2.25	05/09/1995 9:30:00 AM	05/09/1995 11:45:00 AM
381193	3811934	WD-01-006	2.25	05/09/1995 9:30:00 AM	05/09/1995 11:45:00 AM
381213	3812131	GC-01-003	1.125	06/09/1995 9:30:00 AM	06/09/1995 10:38:00 AM
381213	3812131	SH-01-002	1	12/09/1995 4:00:00 PM	13/09/1995 9:00:00 AM
381213	3812131	FM-01-001	2.5	13/09/1995 9:00:00 AM	13/09/1995 11:30:00 AM
381213	3812131	WD-01-010	3	13/09/1995 11:30:00 AM	13/09/1995 3:30:00 PM
381213	3812131	DL-01-001	0.75	13/09/1995 3:30:00 PM	13/09/1995 4:15:00 PM
381213	3812132	GC-01-003	1.125	06/09/1995 10:38:00 AM	06/09/1995 11:46:00 AM
381213	3812132	SH-01-002	1	13/09/1995 9:00:00 AM	13/09/1995 10:00:00 AM
381213	3812132	FM-01-001	2.5	13/09/1995 11:30:00 AM	13/09/1995 3:00:00 PM
381213	3812132	WD-01-019	3	13/09/1995 3:00:00 PM	14/09/1995 10:00:00 AM



MSS	MS	M/C CODE	HOUR	DATE start	Date finish
381213	3812132	DL-01-003	0.75	14/09/1995 10:00:00 AM	14/09/1995 10:45:00 AM
381213	3812133	GC-01-003	1.125	06/09/1995 11:46:00 AM	06/09/1995 1:54:00 PM
381213	3812133	SH-01-002	1	13/09/1995 10:00:00 AM	13/09/1995 11:00:00 AM
381213	3812133	FM-01-001	2.5	13/09/1995 3:00:00 PM	14/09/1995 9:30:00 AM
381213	3812133	WD-01-016	3	14/09/1995 9:30:00 AM	14/09/1995 1:30:00 PM
381213	3812133	DL-01-006	0.75	14/09/1995 1:30:00 PM	14/09/1995 2:15:00 PM
381213	3812134	GC-01-003	1.125	06/09/1995 1:54:00 PM	06/09/1995 3:02:00 PM
381213	3812134	SH-01-002	1	13/09/1995 11:00:00 AM	13/09/1995 1:00:00 PM
381213	3812134	FM-01-001	2.5	14/09/1995 9:30:00 AM	14/09/1995 1:00:00 PM
381213	3812134	WD-01-012	3	14/09/1995 1:00:00 PM	14/09/1995 4:00:00 PM
381213	3812134	DL-01-003	0.75	14/09/1995 4:00:00 PM	15/09/1995 8:45:00 AM
381216	3812161	TB-01-001	35	05/09/1995 9:30:00 AM	12/09/1995 9:30:00 AM
381224	3812241	ML-01-001	1.5937	11/09/1995 3:42:00 PM	12/09/1995 9:18:00 AM
381224	3812241	QA-01-004	1.875	12/09/1995 9:18:00 AM	12/09/1995 11:10:00 AM
381224	3812242	ML-01-002	1.5937	11/09/1995 4:24:00 PM	12/09/1995 10:00:00 AM
381224	3812242	QA-01-001	1.875	12/09/1995 10:00:00 AM	12/09/1995 11:52:00 AM
381224	3812243	ML-01-003	1.5937	11/09/1995 4:24:00 PM	12/09/1995 10:00:00 AM
381224	3812243	QA-01-003	1.875	12/09/1995 10:00:00 AM	12/09/1995 11:52:00 AM
381224	3812244	ML-01-001	1.5937	12/09/1995 9:18:00 AM	12/09/1995 10:54:00 AM
381224	3812244	QA-01-004	1.875	12/09/1995 11:10:00 AM	12/09/1995 2:02:00 PM
381224	3812245	ML-01-002	1.5937	12/09/1995 10:00:00 AM	12/09/1995 11:36:00 AM
381224	3812245	QA-01-002	1.875	12/09/1995 11:36:00 AM	12/09/1995 2:28:00 PM
381224	3812246	ML-01-003	1.5937	12/09/1995 10:00:00 AM	12/09/1995 11:36:00 AM
381224	3812246	QA-01-001	1.875	12/09/1995 11:52:00 AM	12/09/1995 2:44:00 PM
381224	3812247	ML-01-001	1.5937	12/09/1995 10:54:00 AM	12/09/1995 1:30:00 PM
381224	3812247	QA-01-003	1.875	12/09/1995 1:30:00 PM	12/09/1995 3:22:00 PM
381224	3812248	ML-01-002	1.5937	12/09/1995 11:36:00 AM	12/09/1995 2:12:00 PM
381224	3812248	QA-01-004	1.875	12/09/1995 2:12:00 PM	12/09/1995 4:04:00 PM
381224	3812249	ML-01-003	1.5937	12/09/1995 11:36:00 AM	12/09/1995 2:12:00 PM
381224	3812249	QA-01-002	1.875	12/09/1995 2:28:00 PM	12/09/1995 4:20:00 PM
381225	3812251	PU-01-003	1.5	06/09/1995 9:30:00 AM	06/09/1995 11:00:00 AM
381225	3812251	WD-01-004	1	06/09/1995 11:00:00 AM	06/09/1995 1:00:00 PM
381228	3812281	GF-01-001	3	14/09/1995 9:30:00 AM	14/09/1995 1:30:00 PM
381233	3812331	TB-01-001	3	15/09/1995 11:34:00 AM	15/09/1995 3:34:00 PM
381233	3812332	TB-01-001	3	15/09/1995 3:34:00 PM	18/09/1995 10:34:00 AM
381233	3812333	TB-01-001	3	18/09/1995 10:34:00 AM	18/09/1995 2:34:00 PM
381233	3812334	TB-01-001	3	18/09/1995 2:34:00 PM	19/09/1995 9:34:00 AM
381233	3812335	TB-01-001	3	19/09/1995 9:34:00 AM	19/09/1995 1:34:00 PM
381233	3812336	TB-01-001	3	19/09/1995 1:34:00 PM	20/09/1995 8:34:00 AM
381235	3812351	ML-01-001	1.3	11/09/1995 9:30:00 AM	11/09/1995 10:48:00 AM
381235	3812352	ML-01-002	1.3	11/09/1995 9:30:00 AM	11/09/1995 10:48:00 AM
381235	3812353	ML-01-003	1.3	11/09/1995 9:30:00 AM	11/09/1995 10:48:00 AM
381235	3812354	ML-01-001	1.3	11/09/1995 10:48:00 AM	11/09/1995 1:06:00 PM
381235	3812355	ML-01-002	1.3	11/09/1995 10:48:00 AM	11/09/1995 1:06:00 PM
381235	3812356	ML-01-003	1.3	11/09/1995 10:48:00 AM	11/09/1995 1:06:00 PM

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381235	3812357	ML-01-001	1.3	11/09/1995 1:06:00 PM	11/09/1995 2:24:00 PM
381235	3812358	ML-01-002	1.3	11/09/1995 1:06:00 PM	11/09/1995 2:24:00 PM
381235	3812359	ML-01-003	1.3	11/09/1995 1:06:00 PM	11/09/1995 2:24:00 PM
381236	3812361	ML-01-002	2	11/09/1995 2:24:00 PM	11/09/1995 4:24:00 PM
381237	3812371	ML-01-003	2	11/09/1995 2:24:00 PM	11/09/1995 4:24:00 PM
381238	3812381	MT-01-001	0.8611	11/09/1995 9:30:00 AM	11/09/1995 10:22:00 AM
381238	3812382	MT-01-006	0.8611	11/09/1995 9:30:00 AM	11/09/1995 10:22:00 AM
381238	3812383	MT-01-010	0.8611	11/09/1995 9:30:00 AM	11/09/1995 10:22:00 AM
381238	3812384	MT-01-005	0.8611	11/09/1995 9:30:00 AM	11/09/1995 10:22:00 AM
381238	3812385	MT-01-014	0.8611	11/09/1995 9:30:00 AM	11/09/1995 10:22:00 AM
381238	3812386	MT-01-011	0.8611	11/09/1995 9:30:00 AM	11/09/1995 10:22:00 AM
381238	3812387	MT-01-013	0.8611	11/09/1995 9:30:00 AM	11/09/1995 10:22:00 AM
381238	3812388	MT-01-003	0.8611	11/09/1995 9:30:00 AM	11/09/1995 10:22:00 AM
381238	3812389	MT-01-004	0.8611	11/09/1995 9:30:00 AM	11/09/1995 10:22:00 AM
381239	3812391	MT-01-001	0.4	11/09/1995 1:58:00 PM	11/09/1995 2:22:00 PM
381239	3812392	MT-01-003	0.4	11/09/1995 1:58:00 PM	11/09/1995 2:22:00 PM
381239	3812393	MT-01-004	0.4	11/09/1995 1:58:00 PM	11/09/1995 2:22:00 PM
381239	3812394	MT-01-005	0.4	11/09/1995 1:58:00 PM	11/09/1995 2:22:00 PM
381239	3812395	MT-01-006	0.4	11/09/1995 1:58:00 PM	11/09/1995 2:22:00 PM
381239	3812396	MT-01-010	0.4	11/09/1995 1:58:00 PM	11/09/1995 2:22:00 PM
381239	3812397	MT-01-011	0.4	11/09/1995 1:58:00 PM	11/09/1995 2:22:00 PM
381239	3812398	MT-01-013	0.4	11/09/1995 1:58:00 PM	11/09/1995 2:22:00 PM
381239	3812399	MT-01-014	0.4	11/09/1995 1:58:00 PM	11/09/1995 2:22:00 PM
381240	3812401	TB-01-001	1.125	14/09/1995 9:30:00 AM	14/09/1995 10:38:00 AM
381240	3812402	TB-01-001	1.125	14/09/1995 10:38:00 AM	14/09/1995 11:46:00 AM
381240	3812403	TB-01-001	1.125	14/09/1995 11:46:00 AM	14/09/1995 1:54:00 PM
381240	3812404	TB-01-001	1.125	14/09/1995 1:54:00 PM	14/09/1995 3:02:00 PM
381240	3812405	TB-01-001	1.125	14/09/1995 3:02:00 PM	14/09/1995 4:10:00 PM
381240	3812406	TB-01-001	1.125	14/09/1995 4:10:00 PM	15/09/1995 9:18:00 AM
381240	3812407	TB-01-001	1.125	15/09/1995 9:18:00 AM	15/09/1995 10:26:00 AM
381240	3812408	TB-01-001	1.125	15/09/1995 10:26:00 AM	15/09/1995 11:34:00 AM
381262	3812621	PU-01-004	2	18/09/1995 9:30:00 AM	18/09/1995 11:30:00 AM
381267	3812671	WD-01-011	26	20/09/1995 9:30:00 AM	25/09/1995 3:30:00 PM
381269	3812691	GC-01-003	1	19/09/1995 9:30:00 AM	19/09/1995 10:30:00 AM
381269	3812691	ML-01-001	2.5	19/09/1995 11:24:00 AM	19/09/1995 2:54:00 PM
381269	3812691	GF-01-001	3	19/09/1995 2:54:00 PM	20/09/1995 9:54:00 AM
381269	3812691	QA-01-001	0.5	20/09/1995 9:54:00 AM	20/09/1995 10:24:00 AM
381269	3812692	GC-01-002	1	19/09/1995 9:30:00 AM	19/09/1995 10:30:00 AM
381269	3812692	ML-01-001	2.5	19/09/1995 2:54:00 PM	20/09/1995 9:24:00 AM
381269	3812692	GF-01-001	3	20/09/1995 9:54:00 AM	20/09/1995 1:54:00 PM
381269	3812692	QA-01-001	0.5	20/09/1995 2:04:00 PM	20/09/1995 2:34:00 PM
381271	3812711	TB-01-001	0.5	20/09/1995 9:30:00 AM	20/09/1995 10:00:00 AM
381271	3812712	TB-01-001	0.5	20/09/1995 10:00:00 AM	20/09/1995 10:30:00 AM
381271	3812713	TB-01-001	0.5	20/09/1995 10:30:00 AM	20/09/1995 11:00:00 AM
381271	3812714	TB-01-001	0.5	20/09/1995 11:00:00 AM	20/09/1995 11:30:00 AM

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381271	3812715	TB-01-001	0.5	20/09/1995 11:30:00 AM	20/09/1995 1:00:00 PM
381271	3812716	TB-01-001	0.5	20/09/1995 1:00:00 PM	20/09/1995 1:30:00 PM
381271	3812717	TB-01-001	0.5	20/09/1995 1:30:00 PM	20/09/1995 2:00:00 PM
381271	3812718	TB-01-001	0.5	20/09/1995 2:00:00 PM	20/09/1995 2:30:00 PM
381271	3812719	TB-01-001	0.5	20/09/1995 2:30:00 PM	20/09/1995 3:00:00 PM
361089	36108910	MT-01-010	11.2	17/08/1995 9:30:00 AM	18/08/1995 2:42:00 PM
361089	36108910	ML-01-001	2.95	23/08/1995 10:11:00 AM	23/08/1995 2:08:00 PM
361089	36108910	QA-01-001	0.2	23/08/1995 2:08:00 PM	23/08/1995 2:20:00 PM
371201	37120110	MT-01-008	1.1667	18/08/1995 2:42:00 PM	18/08/1995 3:52:00 PM
371201	37120110	GH-01-001	6.6666	31/08/1995 11:40:00 AM	01/09/1995 11:20:00 AM
371201	37120110	SV-01-001	0.9333	01/09/1995 11:20:00 AM	01/09/1995 1:16:00 PM
371201	37120110	QA-01-003	1.7	01/09/1995 1:16:00 PM	01/09/1995 2:58:00 PM
371201	37120111	MT-01-009	1.1667	18/08/1995 2:42:00 PM	18/08/1995 3:52:00 PM
371201	37120111	GH-01-001	6.6666	01/09/1995 11:20:00 AM	04/09/1995 11:00:00 AM
371201	37120111	SV-01-001	0.9333	04/09/1995 11:00:00 AM	04/09/1995 11:56:00 AM
371201	37120111	QA-01-001	1.7	04/09/1995 11:56:00 AM	04/09/1995 2:38:00 PM
371201	37120112	MT-01-010	1.1667	18/08/1995 2:42:00 PM	18/08/1995 3:52:00 PM
371201	37120112	GH-01-001	6.6666	04/09/1995 11:00:00 AM	05/09/1995 10:40:00 AM
371201	37120112	SV-01-001	0.9333	05/09/1995 10:40:00 AM	05/09/1995 11:36:00 AM
371201	37120112	QA-01-002	1.7	05/09/1995 11:36:00 AM	05/09/1995 2:18:00 PM
371201	37120113	MT-01-011	1.1667	18/08/1995 3:40:00 PM	21/08/1995 8:50:00 AM
371201	37120113	GH-01-001	6.6666	05/09/1995 10:40:00 AM	06/09/1995 10:20:00 AM
371201	37120113	SV-01-001	0.9333	06/09/1995 10:20:00 AM	06/09/1995 11:16:00 AM
371201	37120113	QA-01-002	1.7	06/09/1995 11:16:00 AM	06/09/1995 1:58:00 PM
371201	37120114	MT-01-012	1.1667	18/08/1995 3:40:00 PM	21/08/1995 8:50:00 AM
371201	37120114	GH-01-001	6.6666	06/09/1995 10:20:00 AM	07/09/1995 10:00:00 AM
371201	37120114	SV-01-001	0.9333	07/09/1995 10:00:00 AM	07/09/1995 10:56:00 AM
371201	37120114	QA-01-003	1.7	07/09/1995 10:56:00 AM	07/09/1995 1:38:00 PM
371201	37120115	MT-01-001	1.1667	18/08/1995 3:52:00 PM	21/08/1995 9:02:00 AM
371201	37120115	GH-01-001	6.6666	07/09/1995 10:00:00 AM	08/09/1995 9:40:00 AM
371201	37120115	SV-01-001	0.9333	08/09/1995 9:40:00 AM	08/09/1995 10:36:00 AM
371201	37120115	QA-01-001	1.7	08/09/1995 10:36:00 AM	08/09/1995 1:18:00 PM
380001	38000110	SH-01-001	0.2	17/08/1995 3:18:00 PM	17/08/1995 3:30:00 PM
380001	38000110	MT-01-011	27.55	21/08/1995 8:50:00 AM	24/08/1995 4:23:00 PM
380001	38000110	GC-01-003	0.15	30/08/1995 2:21:00 PM	30/08/1995 2:30:00 PM
380001	38000110	WD-01-002	7.3	04/09/1995 2:03:00 PM	05/09/1995 2:21:00 PM
380001	38000110	DL-01-002	1.5	05/09/1995 2:21:00 PM	05/09/1995 3:51:00 PM
380001	38000110	QA-01-003	2.7	05/09/1995 3:51:00 PM	06/09/1995 10:33:00 AM
380144	38014410	MT-01-004	4.166	24/08/1995 3:25:00 PM	25/08/1995 11:35:00 AM
380144	38014410	QA-01-002	0.375	25/08/1995 11:35:00 AM	25/08/1995 11:57:00 AM
380144	38014411	MT-01-005	4.166	24/08/1995 3:25:00 PM	25/08/1995 11:35:00 AM
380144	38014411	QA-01-003	0.375	25/08/1995 11:35:00 AM	25/08/1995 11:57:00 AM
380144	38014412	MT-01-006	4.166	24/08/1995 3:25:00 PM	25/08/1995 11:35:00 AM
380144	38014412	QA-01-001	0.375	25/08/1995 11:43:00 AM	25/08/1995 1:05:00 PM
380465	38046510	PC-01-001	2.4	22/08/1995 3:36:00 PM	23/08/1995 10:00:00 AM

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380465	38046510	WD-01-007	0.4	23/08/1995 10:00:00 AM	23/08/1995 10:24:00 AM
380465	38046510	MT-01-011	21.3	18/09/1995 1:44:00 PM	21/09/1995 2:02:00 PM
380548	38054810	PC-01-001	0.45	17/08/1995 2:33:00 PM	17/08/1995 3:00:00 PM
380548	38054810	MT-01-013	4.5	04/09/1995 8:42:00 AM	04/09/1995 2:12:00 PM
380611	38061110	MT-01-011	14.71	29/08/1995 2:39:00 PM	31/08/1995 3:22:00 PM
380691	38069110	GC-01-003	1.4	11/09/1995 11:32:00 AM	11/09/1995 1:56:00 PM
380691	38069110	WD-01-005	0.3	11/09/1995 1:56:00 PM	11/09/1995 2:14:00 PM
380691	38069110	MT-01-011	8.25	15/09/1995 11:29:00 AM	18/09/1995 1:44:00 PM
380691	38069110	QA-01-001	0.35	18/09/1995 1:44:00 PM	18/09/1995 2:05:00 PM
380877	38087710	MT-01-004	14.9	06/09/1995 1:33:00 PM	08/09/1995 2:27:00 PM
380878	38087810	MT-01-004	8.9	13/09/1995 1:24:00 PM	14/09/1995 3:18:00 PM
380878	38087810	QA-01-003	0.7	14/09/1995 3:18:00 PM	14/09/1995 4:00:00 PM
380972	38097210	WD-01-007	1.6	17/08/1995 10:00:00 AM	17/08/1995 11:36:00 AM
380991	38099110	TB-01-001	0.1667	21/08/1995 11:00:00 AM	21/08/1995 11:10:00 AM
380991	38099111	TB-01-001	0.1667	21/08/1995 11:10:00 AM	21/08/1995 11:20:00 AM
380991	38099112	TB-01-001	0.1667	21/08/1995 11:20:00 AM	21/08/1995 11:30:00 AM
380991	38099113	TB-01-001	0.1667	21/08/1995 11:30:00 AM	21/08/1995 11:40:00 AM
380991	38099114	TB-01-001	0.1667	21/08/1995 11:40:00 AM	21/08/1995 11:50:00 AM
380991	38099115	TB-01-001	0.1667	21/08/1995 11:50:00 AM	21/08/1995 1:00:00 PM
380991	38099116	TB-01-001	0.1667	21/08/1995 1:00:00 PM	21/08/1995 1:10:00 PM
380991	38099117	TB-01-001	0.1667	21/08/1995 1:10:00 PM	21/08/1995 1:20:00 PM
380991	38099118	TB-01-001	0.1667	21/08/1995 1:20:00 PM	21/08/1995 1:30:00 PM
380991	38099119	TB-01-001	0.1667	21/08/1995 1:30:00 PM	21/08/1995 1:40:00 PM
380991	38099120	TB-01-001	0.1667	21/08/1995 1:40:00 PM	21/08/1995 1:50:00 PM
380991	38099121	TB-01-001	0.1667	21/08/1995 1:50:00 PM	21/08/1995 2:00:00 PM
380991	38099122	TB-01-001	0.1667	21/08/1995 2:00:00 PM	21/08/1995 2:10:00 PM
380991	38099123	TB-01-001	0.1667	21/08/1995 2:10:00 PM	21/08/1995 2:20:00 PM
380991	38099124	TB-01-001	0.1667	21/08/1995 2:20:00 PM	21/08/1995 2:30:00 PM
380991	38099125	TB-01-001	0.1667	21/08/1995 2:30:00 PM	21/08/1995 2:40:00 PM
380991	38099126	TB-01-001	0.1667	21/08/1995 2:40:00 PM	21/08/1995 2:50:00 PM
380991	38099127	TB-01-001	0.1667	21/08/1995 2:50:00 PM	21/08/1995 3:00:00 PM
380991	38099128	TB-01-001	0.1667	21/08/1995 3:00:00 PM	21/08/1995 3:10:00 PM
380991	38099129	TB-01-001	0.1667	21/08/1995 3:10:00 PM	21/08/1995 3:20:00 PM
380991	38099130	TB-01-001	0.1667	21/08/1995 3:20:00 PM	21/08/1995 3:30:00 PM
380992	38099210	TB-01-001	2	22/08/1995 11:30:00 AM	22/08/1995 2:30:00 PM
380992	38099210	QA-01-004	0.3	22/08/1995 2:30:00 PM	22/08/1995 2:48:00 PM
381026	38102610	GT-01-001	1.303	18/08/1995 3:12:00 PM	18/08/1995 4:30:00 PM
381026	38102611	GT-01-001	1.303	18/08/1995 4:30:00 PM	21/08/1995 9:48:00 AM
381026	38102612	GT-01-001	1.303	21/08/1995 9:48:00 AM	21/08/1995 11:06:00 AM
381026	38102613	GT-01-001	1.303	21/08/1995 11:06:00 AM	21/08/1995 1:24:00 PM
381026	38102614	GT-01-001	1.303	21/08/1995 1:24:00 PM	21/08/1995 2:42:00 PM
381026	38102615	GT-01-001	1.303	21/08/1995 2:42:00 PM	21/08/1995 4:00:00 PM
381026	38102616	GT-01-001	1.303	21/08/1995 4:00:00 PM	22/08/1995 9:18:00 AM
381026	38102617	GT-01-001	1.303	22/08/1995 9:18:00 AM	22/08/1995 10:36:00 AM
381026	38102618	GT-01-001	1.303	22/08/1995 10:36:00 AM	22/08/1995 11:54:00 AM

MSS	MS	M/C CODE	HOUR	DATE start	Date finish
381026	38102619	GT-01-001	1.303	22/08/1995 11:54:00 AM	22/08/1995 2:12:00 PM
381026	38102620	GT-01-001	1.303	22/08/1995 2:12:00 PM	22/08/1995 3:30:00 PM
381026	38102621	GT-01-001	1.303	22/08/1995 3:30:00 PM	23/08/1995 8:48:00 AM
381026	38102622	GT-01-001	1.303	23/08/1995 8:48:00 AM	23/08/1995 10:06:00 AM
381026	38102623	GT-01-001	1.303	23/08/1995 10:06:00 AM	23/08/1995 11:24:00 AM
381026	38102624	GT-01-001	1.303	23/08/1995 11:24:00 AM	23/08/1995 1:42:00 PM
381026	38102625	GT-01-001	1.303	23/08/1995 1:42:00 PM	23/08/1995 3:00:00 PM
381026	38102626	GT-01-001	1.303	23/08/1995 3:00:00 PM	23/08/1995 4:18:00 PM
381026	38102627	GT-01-001	1.303	23/08/1995 4:18:00 PM	24/08/1995 9:36:00 AM
381026	38102628	GT-01-001	1.303	24/08/1995 9:36:00 AM	24/08/1995 10:54:00 AM
381026	38102629	GT-01-001	1.303	24/08/1995 10:54:00 AM	24/08/1995 1:12:00 PM
381026	38102630	GT-01-001	1.303	24/08/1995 1:12:00 PM	24/08/1995 2:30:00 PM
381026	38102631	GT-01-001	1.303	24/08/1995 2:30:00 PM	24/08/1995 3:48:00 PM
381026	38102632	GT-01-001	1.303	24/08/1995 3:48:00 PM	25/08/1995 9:06:00 AM
381026	38102633	GT-01-001	1.303	25/08/1995 9:06:00 AM	25/08/1995 10:24:00 AM
381075	38107510	WD-01-013	0.5	17/08/1995 9:30:00 AM	17/08/1995 10:00:00 AM
381075	38107510	DL-01-006	0.5	17/08/1995 4:00:00 PM	17/08/1995 4:30:00 PM
381146	38114610	PC-01-001	0.55	25/08/1995 11:27:00 AM	25/08/1995 1:00:00 PM
381161	38116110	DL-01-006	3.45	25/08/1995 1:57:00 PM	28/08/1995 9:24:00 AM
381161	38116110	GF-01-001	1.6	30/08/1995 9:24:00 AM	30/08/1995 11:00:00 AM
381184	38118410	GT-01-001	5.3	05/09/1995 4:12:00 PM	06/09/1995 2:30:00 PM
381224	38122410	ML-01-001	1.5937	12/09/1995 1:30:00 PM	12/09/1995 3:06:00 PM
381224	38122410	QA-01-001	1.875	12/09/1995 3:06:00 PM	13/09/1995 8:58:00 AM
381224	38122411	ML-01-002	1.5937	12/09/1995 2:12:00 PM	12/09/1995 3:48:00 PM
381224	38122411	QA-01-003	1.875	12/09/1995 3:48:00 PM	13/09/1995 9:40:00 AM
381224	38122412	ML-01-003	1.5937	12/09/1995 2:12:00 PM	12/09/1995 3:48:00 PM
381224	38122412	QA-01-004	1.875	12/09/1995 4:04:00 PM	13/09/1995 9:56:00 AM
381224	38122413	ML-01-001	1.5937	12/09/1995 3:06:00 PM	13/09/1995 8:42:00 AM
381224	38122413	QA-01-001	1.875	13/09/1995 8:58:00 AM	13/09/1995 10:50:00 AM
381224	38122414	ML-01-002	1.5937	12/09/1995 3:48:00 PM	13/09/1995 9:24:00 AM
381224	38122414	QA-01-003	1.875	13/09/1995 9:40:00 AM	13/09/1995 11:32:00 AM
381224	38122415	ML-01-003	1.5937	12/09/1995 3:48:00 PM	13/09/1995 9:24:00 AM
381224	38122415	QA-01-004	1.875	13/09/1995 9:56:00 AM	13/09/1995 11:48:00 AM
381224	38122416	ML-01-001	1.5937	13/09/1995 8:42:00 AM	13/09/1995 10:18:00 AM
381224	38122416	QA-01-002	1.875	13/09/1995 10:46:00 AM	13/09/1995 1:38:00 PM
381235	38123510	ML-01-001	1.3	11/09/1995 2:24:00 PM	11/09/1995 3:42:00 PM
381238	38123810	MT-01-001	0.8611	11/09/1995 10:22:00 AM	11/09/1995 11:14:00 AM
381238	38123811	MT-01-003	0.8611	11/09/1995 10:22:00 AM	11/09/1995 11:14:00 AM
381238	38123812	MT-01-004	0.8611	11/09/1995 10:22:00 AM	11/09/1995 11:14:00 AM
381238	38123813	MT-01-005	0.8611	11/09/1995 10:22:00 AM	11/09/1995 11:14:00 AM
381238	38123814	MT-01-006	0.8611	11/09/1995 10:22:00 AM	11/09/1995 11:14:00 AM
381238	38123815	MT-01-010	0.8611	11/09/1995 10:22:00 AM	11/09/1995 11:14:00 AM
381238	38123816	MT-01-011	0.8611	11/09/1995 10:22:00 AM	11/09/1995 11:14:00 AM
381238	38123817	MT-01-013	0.8611	11/09/1995 10:22:00 AM	11/09/1995 11:14:00 AM
381238	38123818	MT-01-014	0.8611	11/09/1995 10:22:00 AM	11/09/1995 11:14:00 AM

MSS	MS	M/C CODE	HOUR	DATE start	Date finish
381238	38123819	MT-01-001	0.8611	11/09/1995 11:14:00 AM	11/09/1995 1:06:00 PM
381238	38123820	MT-01-003	0.8611	11/09/1995 11:14:00 AM	11/09/1995 1:06:00 PM
381238	38123821	MT-01-004	0.8611	11/09/1995 11:14:00 AM	11/09/1995 1:06:00 PM
381238	38123822	MT-01-005	0.8611	11/09/1995 11:14:00 AM	11/09/1995 1:06:00 PM
381238	38123823	MT-01-006	0.8611	11/09/1995 11:14:00 AM	11/09/1995 1:06:00 PM
381238	38123824	MT-01-010	0.8611	11/09/1995 11:14:00 AM	11/09/1995 1:06:00 PM
381238	38123825	MT-01-011	0.8611	11/09/1995 11:14:00 AM	11/09/1995 1:06:00 PM
381238	38123826	MT-01-013	0.8611	11/09/1995 11:14:00 AM	11/09/1995 1:06:00 PM
381238	38123827	MT-01-014	0.8611	11/09/1995 11:14:00 AM	11/09/1995 1:06:00 PM
381238	38123828	MT-01-001	0.8611	11/09/1995 1:06:00 PM	11/09/1995 1:58:00 PM
381238	38123829	MT-01-003	0.8611	11/09/1995 1:06:00 PM	11/09/1995 1:58:00 PM
381238	38123830	MT-01-004	0.8611	11/09/1995 1:06:00 PM	11/09/1995 1:58:00 PM
381238	38123831	MT-01-005	0.8611	11/09/1995 1:06:00 PM	11/09/1995 1:58:00 PM
381238	38123832	MT-01-006	0.8611	11/09/1995 1:06:00 PM	11/09/1995 1:58:00 PM
381238	38123833	MT-01-010	0.8611	11/09/1995 1:06:00 PM	11/09/1995 1:58:00 PM
381238	38123834	MT-01-011	0.8611	11/09/1995 1:06:00 PM	11/09/1995 1:58:00 PM
381238	38123835	MT-01-013	0.8611	11/09/1995 1:06:00 PM	11/09/1995 1:58:00 PM
381238	38123836	MT-01-014	0.8611	11/09/1995 1:06:00 PM	11/09/1995 1:58:00 PM
381239	38123910	MT-01-001	0.4	11/09/1995 2:22:00 PM	11/09/1995 2:46:00 PM
381239	38123911	MT-01-003	0.4	11/09/1995 2:22:00 PM	11/09/1995 2:46:00 PM
381239	38123912	MT-01-004	0.4	11/09/1995 2:22:00 PM	11/09/1995 2:46:00 PM
381239	38123913	MT-01-005	0.4	11/09/1995 2:22:00 PM	11/09/1995 2:46:00 PM
381239	38123914	MT-01-006	0.4	11/09/1995 2:22:00 PM	11/09/1995 2:46:00 PM
381239	38123915	MT-01-010	0.4	11/09/1995 2:22:00 PM	11/09/1995 2:46:00 PM
381239	38123916	MT-01-011	0.4	11/09/1995 2:22:00 PM	11/09/1995 2:46:00 PM
381239	38123917	MT-01-013	0.4	11/09/1995 2:22:00 PM	11/09/1995 2:46:00 PM
381239	38123918	MT-01-014	0.4	11/09/1995 2:22:00 PM	11/09/1995 2:46:00 PM
381239	38123919	MT-01-001	0.4	11/09/1995 2:46:00 PM	11/09/1995 3:10:00 PM
381239	38123920	MT-01-003	0.4	11/09/1995 2:46:00 PM	11/09/1995 3:10:00 PM
381271	38127110	TB-01-001	0.5	20/09/1995 3:00:00 PM	20/09/1995 3:30:00 PM
381271	38127111	TB-01-001	0.5	20/09/1995 3:30:00 PM	20/09/1995 4:00:00 PM
381271	38127112	TB-01-001	0.5	20/09/1995 4:00:00 PM	20/09/1995 4:30:00 PM

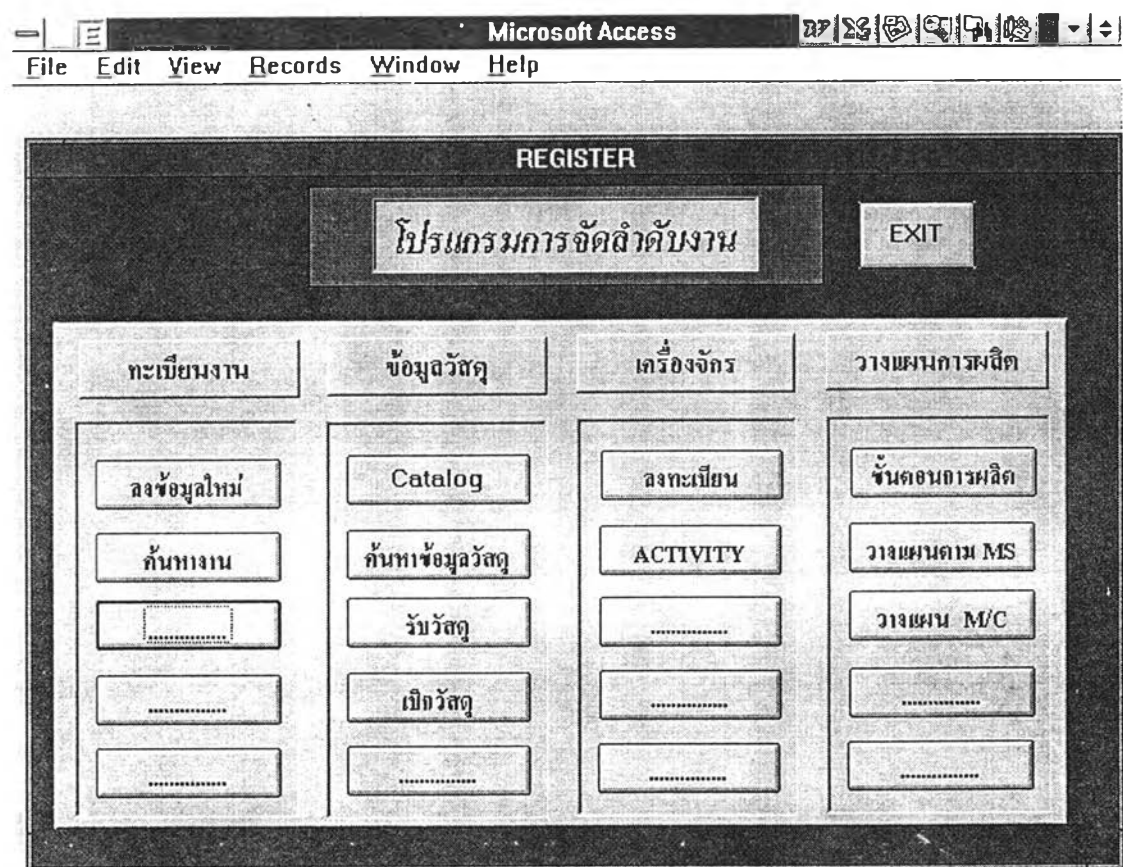
ภาคผนวก ง

คู่มือการใช้งานโปรแกรมการจัดลำดับงาน



## การใช้คอมพิวเตอร์เริ่มต้น

เนื่องจากโปรแกรมเขียนด้วย Microsoft Access 2.0 ดังนั้นจึงจำเป็นต้องมีโปรแกรม Microsoft Window และ Microsoft Access 2.0 On Microsoft Window V 3.1 หรือ V 3.11 การเข้าโปรแกรมทำได้โดยเข้า Microsoft Access 2.0 จากนั้นเรียก “WORKSHOP” ก็จะเข้าสู่โปรแกรมการจัดลำดับงานดังแสดงในรูปที่ 6.1



รูปที่ 6.1 แสดงหน้าจอรายการหลักทั้งหมด (Main Menu) ในการทำงาน

## การใช้โปรแกรมการจัดลำดับงาน

ในหน้าจอรายการหลักทั้งหมดจะแบ่งเป็น 4 หมวดดังนี้

1. หมวดทะเบียนงาน ใช้สำหรับการค้นหาและลงรายละเอียดข้อมูลใหม่ จะมีรายการย่อย 2 รายการ ให้เลือกโดยใช้ Mouse Click รายการที่ต้องการหรือเลื่อน Curser และกด Enter ที่รายการนั้น

1.1 ลงข้อมูลใหม่ เมื่อเลือกรายการลงข้อมูลใหม่ หน้าจอจะปรากฏดังแสดง ในรูปที่ 6.2 ทำการป้อนข้อมูลของงานจากใบสั่งงานกองโรงงานลงตามรายละเอียดในหน้าจอ

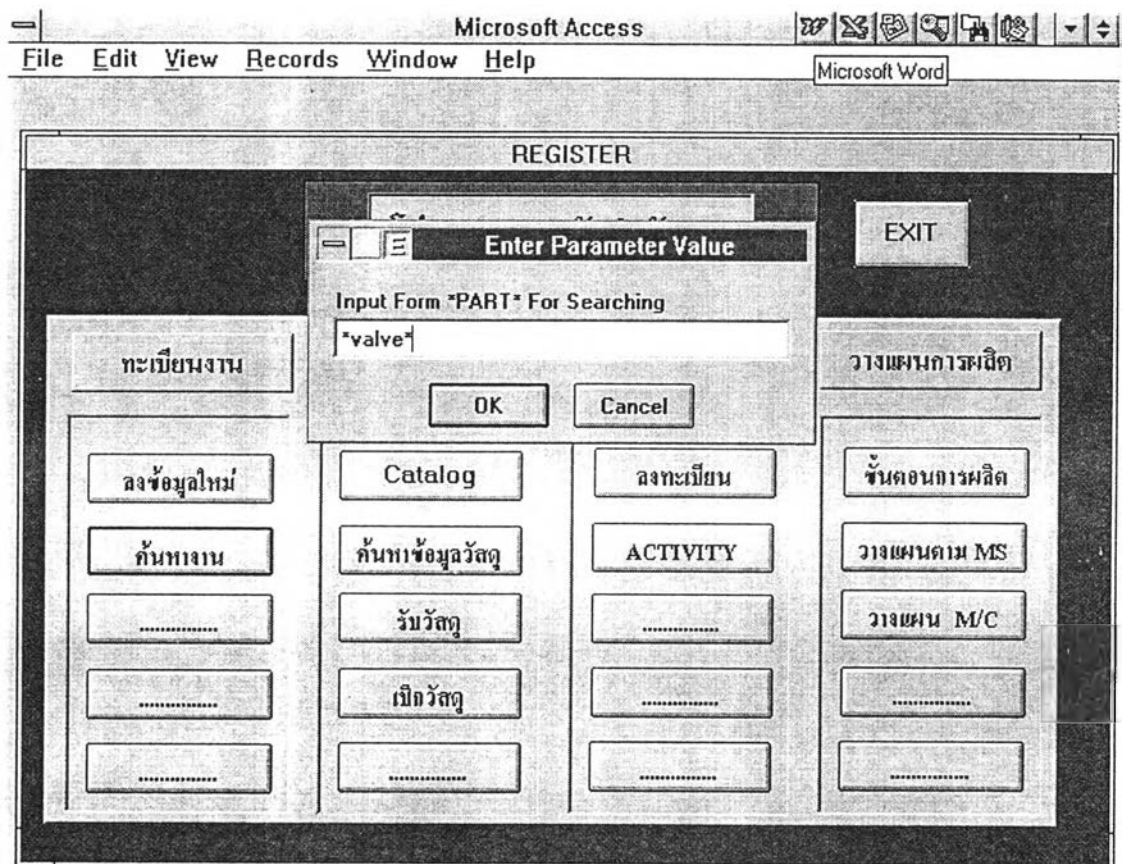
The screenshot shows a Microsoft Access window titled 'Microsoft Access' with a menu bar (File, Edit, View, Records, Window, Help) and a toolbar. The main form is titled 'ลงทะเบียนข้อมูลงานกองโรงงาน' (Register Work Order Information). The form contains the following fields and controls:

- ข้อมูลผู้สั่งงาน** (Ordering Person Information): A text box for the name.
- ฝ่าย** (Department): A text box.
- กอง** (Division): A text box.
- แผนก** (Section): A text box.
- ผู้สามารถติดต่อ** (Contact Person): A text box.
- โทร** (Phone): A text box.
- ทะเบียนงาน** (Work Registration): A text box.
- โรงไฟฟ้า** (Power Plant): A text box.
- ชื่อชั้นงาน** (Job Title): A text box.
- ชื่ออุปกรณ์** (Equipment Name): A text box.
- จำนวน** (Quantity): A numeric field with a spinner.
- เลขที่แบบ** (Form Number): A text box.
- MMS CODE**: A text box.
- เลขที่ใบสั่ง** (Order Number): A text box.
- วันที่สั่ง** (Order Date): A date field.
- วันที่ต้องการ** (Required Date): A date field.
- EXIT** and **SAVE** buttons.
- บันทึก** (Record) button.
- Priority** field with a value of 2 and a spinner.

รูปที่ 6.2 แสดงหน้าจอเมื่อกดเลือก ลงข้อมูลใหม่

- บันทึก จะเป็นการลงรายละเอียดที่จำเป็นสำหรับการดำเนินการ
- Priority ให้เลือกจาก List box ว่าเป็นงานที่มีลำดับความสำคัญเท่าไร
- SAVE เมื่อกดเลือก โปรแกรมจะทำการบันทึกข้อมูลทะเบียนงานใหม่นี้
- EXIT เมื่อกดเลือก โปรแกรมจะออกจากหัวข้อนี้ไปเมนูหลัก

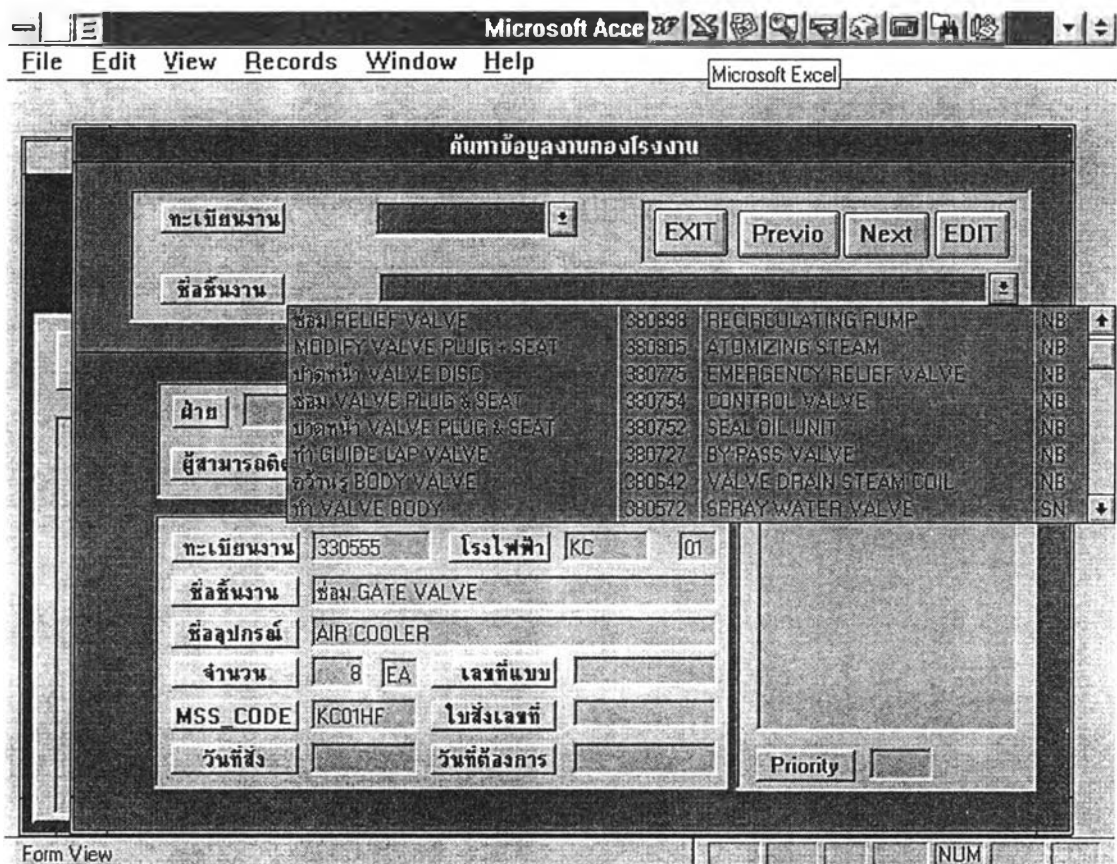
1.2 ค้นหางาน ใช้สำหรับค้นหางานที่มีข้อมูลอยู่ในทะเบียนงานแล้ว โดยการป้อนข้อมูล ต้องอยู่ในแบบฟอร์ม \*ชื่อชิ้นงานที่ต้องการค้นหา\* ดังแสดงในรูปที่ 6.3



รูปที่ 6.3 แสดงหน้าจอเมื่อกดเลือก ค้นหางาน

- Cancel เมื่อกดเลือก โปรแกรมจะออกจากเมนูนี้ไปหน้าจอรูปที่ 6.2

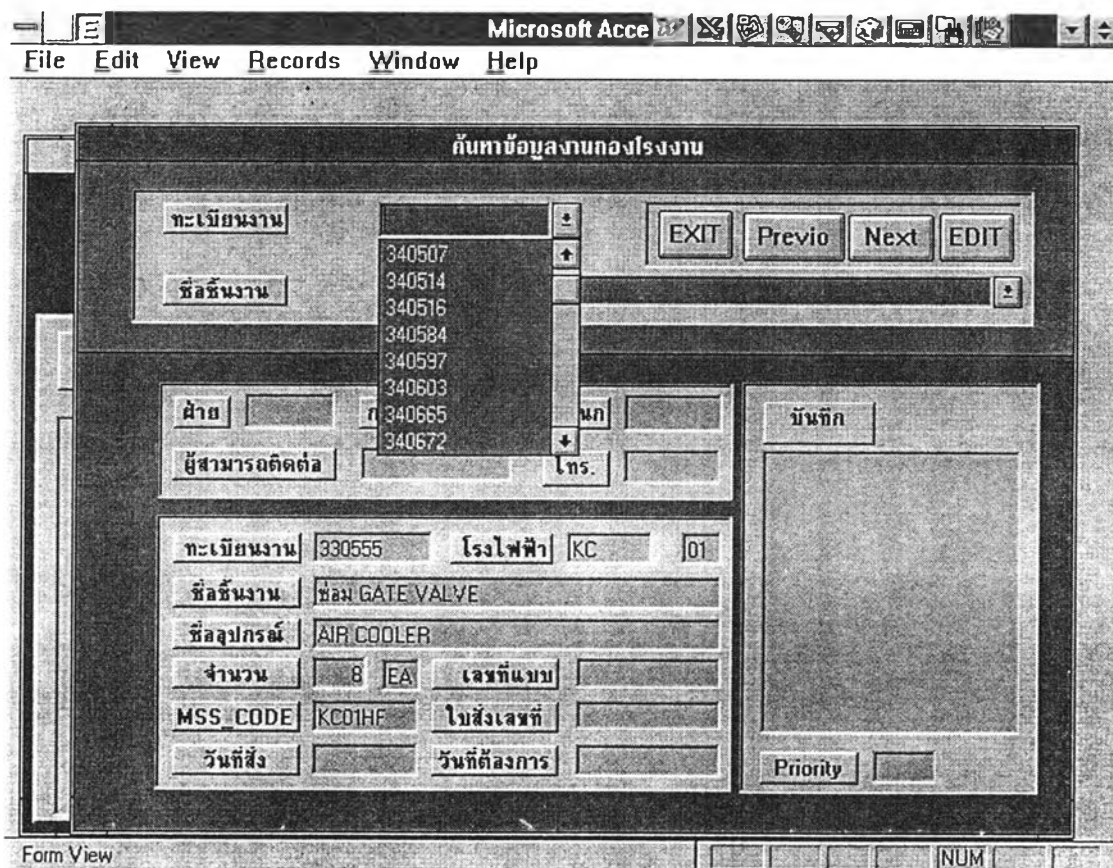
- หลังจากใส่ชื่อชิ้นงานแล้วเลือก OK เมื่อต้องการให้ค้นหา เครื่องจะขึ้นหน้าจอใหม่ให้ Click ที่ List Box ที่ตำแหน่งชื่อชิ้นงาน หน้าจอจะแสดงชื่องานที่ต้องการค้นหาพร้อมทะเบียนงาน และโรงไฟฟ้าดังแสดงในรูปที่ 6.4 จากนั้นให้เลือกงานจากที่ขึ้นหน้าจอให้แสดงข้อมูลรายละเอียดงานทั้งหมด



รูปที่ 6.4 แสดงหน้าจอในการค้นหาตามชื่องาน



- กรณีค้นหาตามทะเบียนงานให้กด List Box ที่ตำแหน่งทะเบียนงาน หน้าจอจะแสดงชื่อทะเบียนงานดังแสดงในรูปที่ 6.5 จากนั้นให้เลือกงานจากทะเบียนงาน หน้าจอจะแสดงข้อมูลรายละเอียดทั้งหมด
- EDIT เมื่อกดเลือก จะเข้าไปแก้ไขข้อมูลในแฟ้มทะเบียนงานได้
- Previo เมื่อกดเลือก โปรแกรมจะแสดงข้อมูลงานของเลขที่ทะเบียนก่อนหน้านี้ 1 งาน
- Next เมื่อกดเลือก โปรแกรมจะแสดงข้อมูลงานของเลขที่ทะเบียนถัดไป
- EXIT เมื่อกดเลือก โปรแกรมจะออกจากเมนูหัวข้อนี้ไปเมนูหลัก



รูปที่ 6.5 แสดงหน้าจอในการค้นหาตามทะเบียนงาน

2. หมวดข้อมูลวัสดุ ใช้สำหรับเพิ่มเติม แก้ไข รายละเอียดของวัสดุ ข้อมูลปริมาณคงคลัง การรับและเบิกวัสดุ จะมีรายการย่อย 4 รายการดังนี้

2.1 Catalog เมื่อเลือกรายการนี้หน้าจอจะแสดงดังรูปที่ 6.6 เป็นการลงรายละเอียดของวัสดุได้แก่ รหัส มาตรฐาน ขนาด ประเภท และข้อจำกัดเฉพาะ ที่สำคัญสำหรับวัสดุนั้นๆเช่น ส่วนประกอบทางเคมี

รูปที่ 6.6 แสดงหน้าจอเมื่อเลือก Catalog

- เก็บเข้าเพิ่มข้อมูล เมื่อกดเลือก โปรแกรมจะเก็บข้อมูลที่ใส่เข้าเพิ่มข้อมูล
- ปิดเพิ่มข้อมูล เมื่อกดเลือก โปรแกรมจะออกจากเมนูนี้ไปเมนูหลัก
- ยกเลิกเพิ่มข้อมูล เมื่อกดเลือก โปรแกรมจะยกเลิกข้อมูลที่อยู่บนหน้าจอ



- ที่ตำแหน่งมาตรฐาน ขนาดและประเภทจะมี List Box เมื่อกด โปรแกรมจะแสดงมาตรฐาน ขนาดและประเภท ที่กำหนดตามมาตรฐานไว้แล้วให้เลือกลงแสดงในรูปที่ 6.7 และ 6.8

The screenshot shows a Microsoft Access window titled "Microsoft Access" with a menu bar (File, Edit, View, Records, Window, Help) and a toolbar. The main window is a form titled "REGISTER" with a sub-form titled "Form Categories Material". The sub-form has a section titled "Categories Material" with the following fields and values:

รหัส:	
ชื่อวัสดุ:	E 8018
STANDARD:	AWS
ขนาด:	
ประเภท:	
SPECIFICATION:	<ul style="list-style-type: none"> <li>Sheet (Thk.&lt;6mm)</li> <li>Coil Sheet</li> <li>Tig Weld</li> <li>Electrode Weld</li> <li>Ingot</li> <li>Flat Bar</li> <li>Wire Spray</li> <li>Pipe</li> </ul>

The form also has several buttons and text boxes in Thai, including "ทะเบียน", "ลงข้อมูล", "ค้นหา", "เก็บเข้าแฟ้มข้อมูล", "เก็บวัสดุ", "การมอด", "การมอด", "คตม MS", "น M/C", and "กข้อมูล".

รูปที่ 6.7 แสดงหน้าจอเมื่อกด List Box ที่ตำแหน่งประเภท



Microsoft Access

File Edit View Records Window Help

REGISTER

Form Categories Material

Categories Material

รหัส:

ชื่อวัสดุ: E 8018

STANDARD: AWS

ขนาด:

ประเภท:

SPECIFICATION:

9.5x609x1219 mm	+
3.0x1270x3810 mm	+
3.0x1000x1500 mm	+
6.0x914x2438 mm	+
5.0 mm	+
6.35 mm (1/4")	+
9.0 mm (3/8")	+
10.0 mm	+

เก็บเข้าแฟ้มข้อมูล

เปิดวัสดุ

กดข้อมูล

ทะเบียวน

ลงข้อมูล

ค้นหา

ก้ามฉีก

นการฉีก

ตาม MS

น M/C

รูปที่ 6.8 แสดงหน้าจอเมื่อกด List Box ที่ตำแหน่งขนาด

2.2 ค้นหาข้อมูลวัสดุ ใช้สำหรับค้นหารายละเอียดของวัสดุรวมทั้งปริมาณ คงคลัง เมื่อกดเลือกหน้าจอจะแสดงดังรูปที่ 6.9

Microsoft Access

File Edit View Records Window Help

Categories Material

Material Inventory

ชื่อวัสดุ:  \*

รหัส:

ขนาด: 1219x2438 mm

ประเภท: Coil Sheet

ระดับวัสดุคงคลัง:  100

มาตรฐาน:

SPECIFICATION:

CLOSE

เปิดวัสดุ

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

รูปที่ 6.9 แสดงหน้าจอเมื่อกดเลือก ค้นหาข้อมูลวัสดุ

- เมื่อกด List Box ที่ตำแหน่งชื่อวัสดุหน้าจอจะแสดงรายการวัสดุ ขนาดพร้อมทั้งระดับคงคลัง มาให้เลือกดังแสดงในรูปที่ 6.10
- CLOSE เมื่อกดเลือก โปรแกรมจะออกจากเมนูนี้ไปเมนูหลัก

Microsoft Access

File Edit View Records Window Help

REGISTER  
Query RECIEVE MATERIAL

Query RECIEVE MATERIAL

ชื่อวัสดุ: E-7016      ระดับวัสดุคงคลัง:

รหัส:	E-7016	ARC.WE Dia. 2.6 x 350 mm.	100
ขนาด:	E-7016	ARC.WE Dia. 3.2 x 350 mm.	100
ประเภท:	E-7016	ARC.WE Dia. 4 x 350 mm.	100
มาตรฐาน:	E-7016	ARC.WE Dia. 4 x 400 mm.	100
	E-7016.A1	ARC. WE Dia. 4 mm.	100
	E-7018	ARC.WE Dia. 4 mm.	100
	E-7018	ARC. WE Dia. 3.2 mm.	100
	E-7018.A1	ARC. WE Dia. 2.6 mm.	100

Exit      save

รูปที่ 6.10 แสดงหน้าจอเมื่อกด List Box ที่ตำแหน่งชื่อวัสดุ

### 2.3 รับวัสดุ ใช้สำหรับการรับวัสดุเข้าคลัง เมื่อกดเลือกหน้าจอจะแสดงดังรูปที่

6.11

- เมื่อกด List Box ที่ตำแหน่งชื่อวัสดุหน้าจอจะแสดงรายการวัสดุให้กดเลือกวัสดุแล้วลงจำนวนวัสดุที่รับ โปรแกรมจะคำนวณผลรวมในคลังและลงวันที่รับของเข้าเองดังรูปที่ 6.11
- save เมื่อกดเลือก โปรแกรมจะจัดเก็บข้อมูลการรับวัสดุ
- Exit เมื่อกดเลือก โปรแกรมจะออกจากเมนูนี้ไปเมนูหลัก

The screenshot shows a Microsoft Access window with the following data in the 'Query RECIEVE MATERIAL' form:

Field Name	Value
ชื่อวัสดุ	E-7016
รหัส	
ขนาด	Dia. 2.6 x 350 mm.
ประเภท	ARC.WELDING
มาตรฐาน	AWS
ระดับวัสดุคงคลัง	120
จำนวนที่รับ	20
ว/ด/ป เข้า	10/04/1996 6:57:38 AM
SPECIFICATION	

Buttons: Exit, save

รูปที่ 6.11 แสดงหน้าจอการรับวัสดุเข้าคลัง

2.4 เบิกวัสดุ ใช้สำหรับตัดยอดเมื่อมีการเบิกวัสดุจากคลัง เมื่อกดเลือกหน้าจอ จะแสดงผลดังรูปที่ 6.12

- ลงข้อมูลทะเบียนงานที่ทำการเบิก โปรแกรมจะแสดงรายการวัสดุที่ได้ทำการประมาณไว้ จากนั้นจะป้อนการเบิกโดยกด List Box ที่ตำแหน่งชื่อวัสดุแล้วเลือกชื่อวัสดุให้ตรงกับรายการ ที่ประมาณแล้วลงจำนวนที่จะเบิก โปรแกรมจะคำนวณระดับวัสดุที่เหลือและเวลาที่ทำการเบิกดัง แสดงในรูปที่ 6.12

- EXIT เมื่อกดเลือก โปรแกรมจะออกจากเมนูนี้ไปเมนูหลัก

Microsoft Access

File Edit View Records Window Help

Form: Form เบิกวัสดุ

ทะเบียนงาน: 360503 EXIT

ชื่อวัสดุ	SIZE:	จำนวนที่เบิก:	ระดับวัสดุ:	วันที่เบิก:	หมายเหตุ:
▶ PLASTIC	1000 x 2000 x 6 mm.	20	100	7:14:30 PM	7:07:02 AM

Record: 1 of 1

ชื่อวัสดุ	มาตรฐาน	ขนาด	ประเภท	ประมาณ	คงคลัง
▶ SS-41		1219 x 2438 x 10 mm.	PLATE	5	97.5
AISI 431		Dia. 1-3/4" x 6000 mm.	ROUND BAR	10	100
SS-41		4' x 8' x 85 mm.	SHEET	2	100
PLASTIC		1000 x 2000 x 6 mm.	SHEET	2	100
ALUMINIUM		THK. 3.2 mm.	SHEET	15	100

Record: 1 of 5

รูปที่ 6.12 แสดงหน้าจอเมื่อทำการเบิกวัสดุ

3. หมวดเครื่องจักร ใช้สำหรับลงรายละเอียดเครื่องจักรและกิจกรรมต่างๆมีรายการย่อย 2 รายการคือ

3.1 ลงทะเบียน ใช้สำหรับค้นหาและใส่รายละเอียด ชิดจำกัดของเครื่อง รวมทั้งสภาพการใช้งานของเครื่องจักร เมื่อกดเลือกหน้าจะแสดงผลดังรูปที่ 6.13

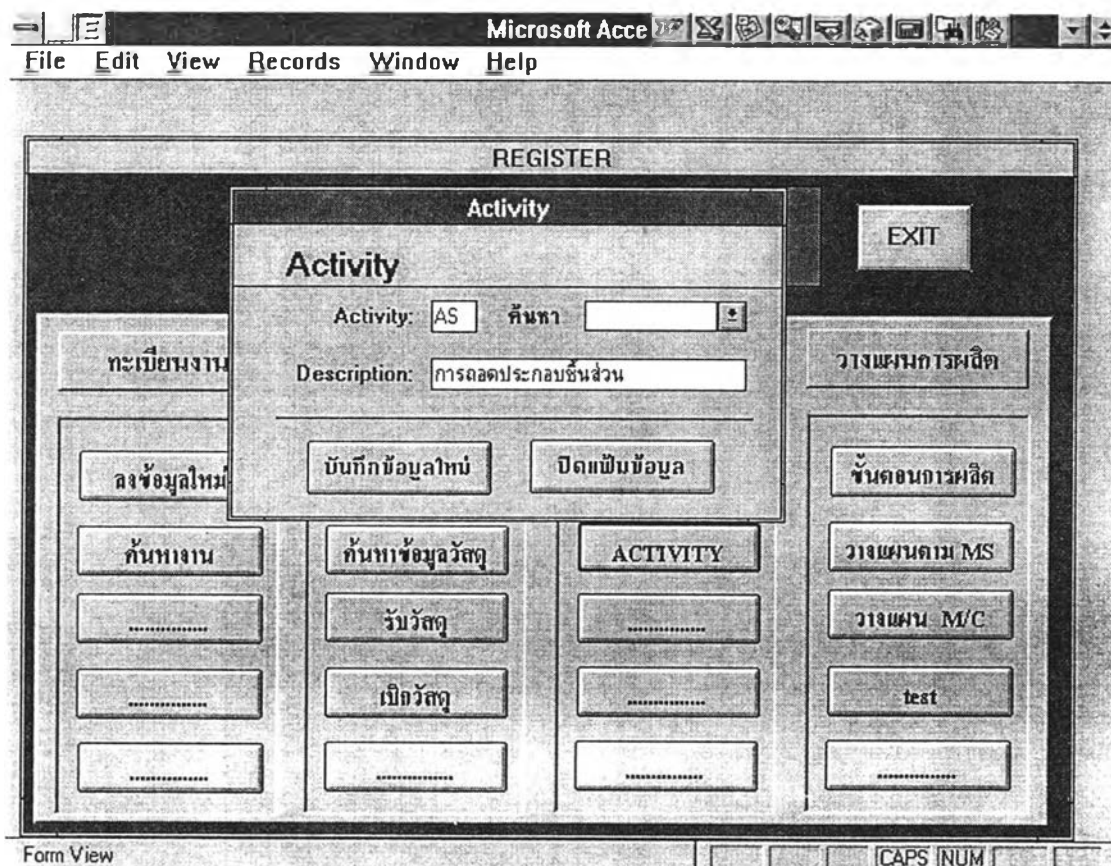
- กรณีทำการค้นหาให้กด List Box โปรแกรมจะแสดงรายการเครื่องจักรที่มีอยู่แล้ว ให้เลือกจากรายการนั้นๆ เมื่อเลือกแล้วหน้าจะแสดงข้อมูลรายละเอียดต่างๆให้ทราบ
- บันทึกข้อมูลใหม่ เมื่อกดเลือกช่องข้อมูลจะพร้อมสำหรับการลงข้อมูลใหม่ เมื่อลงข้อมูลโปรแกรมจะทำการจัดเก็บอัตโนมัติ
- จบการทำงาน เมื่อกดเลือก โปรแกรมจะออกจากเมนูนี้ไปเมนูหลัก

รูปที่ 6.13 แสดงหน้าจอของการลงรายละเอียดของเครื่องจักร



3.2 Activity ใช้สำหรับแสดงกิจกรรมที่มีในขั้นตอนการดำเนินการเมื่อกดเลือก หน้าจอจะแสดงดังรูปที่ 6.14

- กรณีค้นหาให้กด List Box โปรแกรมจะแสดงรายการกิจกรรมที่มีอยู่แล้วให้เลือกจากรายการนั้นๆ เมื่อเลือกแล้วหน้าจอจะแสดงความหมายของกิจกรรมนั้นๆ
- บันทึกข้อมูลใหม่ เมื่อกดเลือก ช่องข้อมูลจะพร้อมสำหรับการลงข้อมูลใหม่ หลังจากลงข้อมูลแล้ว โปรแกรมจะทำการจัดเก็บอัตโนมัติ
- ปิดเพิ่มข้อมูล เมื่อกดเลือก โปรแกรมจะออกจากเมนูนี้ไปเมนูหลัก



รูปที่ 6.14 แสดงหน้าจอในการลงข้อมูล Activity



4. หมวดวางแผนการผลิต ใช้สำหรับการกำหนดขั้นตอนการผลิต การประมาณการใช้วัสดุ การวางแผนการผลิต การจัดลำดับงานทั้งตามทะเบียนงานและตามเครื่องจักร รวมทั้งการสอบถามงานเสร็จ ประกอบด้วยรายการย่อย 3 รายการ

4.1 ขั้นตอนการผลิต ใช้สำหรับประมาณการใช้วัสดุและกำหนดขั้นตอนการดำเนินการ กำหนดการทำล่วงเวลา เมื่อกดเลือกหน้าจอจะแสดงดังรูปที่ 6.15

- กด List Box ที่ตำแหน่งทะเบียนงาน โปรแกรมจะแสดงรายการทะเบียนงานให้เลือก หรือจะทำการป้อนข้อมูลทะเบียนงานที่ต้องการดำเนินการเลขก็ได้ เมื่อลงข้อมูลทะเบียนงานแล้วข้อมูลของงานจะแสดงออกมา

Microsoft Access

File Edit View Records Window Help

ทะเบียนงานใหม่

ทะเบียนงาน:  จำนวน: 2 EA วันที่สั่ง:  วันที่ต้องการ:

ชื่อชิ้นส่วน: ทำฝา CONDENSER ชื่ออุปกรณ์: AIR CONDITION

โรงไฟฟ้า:  Priority:  PC  MAT

OLD SAVE WORK SIMU EXIT

ลำดับ	ACTIVITY	กว้าง	ยาว	สูง	น้ำหนัก	รอบ	ชม.เครื่อง	OT 19	OT 22
1		0	0	0	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>

Record: 1 of 1

Form View

NUM

รูปที่ 6.15 แสดงหน้าจอเมื่อกดเลือก ขั้นตอนการผลิต

- OLD กดเมื่อต้องการดูข้อมูลงานเดิม โดยหน้าจอจะขึ้นแบบฟอร์มให้ค้นหาจากชื่องานดังแสดง  
 ในรูปที่ 6.16 เมื่อกด OK หน้าจอจะแสดงฟอร์มทะเบียนงานเดิมดังแสดงในรูปที่ 6.17 กด List  
 Box ที่ตำแหน่งชื่อชิ้นงาน โปรแกรมจะแสดงรายการตามชื่องานที่ต้องการหาให้ทำการเลือก

The screenshot shows a Microsoft Access window titled 'Microsoft Access' with a menu bar (File, Edit, View, Records, Window, Help) and a toolbar. The main form is titled 'ทะเบียนงานใหม่' (New Job Registration) and contains the following fields:

- ทะเบียนงาน: 380001
- จำนวน: 10 EA
- วันที่ส่ง: 11/01/1995
- วันที่ตั้งการ: 08/11/1994
- ชื่อชิ้นส่วน: CROSS FIRE TUBE
- ชื่ออุปกรณ์: ทำ SEAT (PART NO. 42)
- โรงไฟฟ้า: LB
- Priority: 3

An 'Enter Parameter Value' dialog box is open, asking 'ค้นหาตาม Part - Example "Name" ?' with 'VALVE' entered in the text field. The dialog has 'OK' and 'Cancel' buttons. In the background, there is a table with columns 'ลำดับ' (Seq) and 'ACTIVITY', and a grid of buttons for material management:

- ค้นหางาน (Find Job)
- ค้นหาข้อมูลวัสดุ (Find Material Info)
- ACTIVITY
- วางแผนตาม MS (Plan by MS)
- รับวัสดุ (Receive Material)
- วางแผน M/C (Plan M/C)
- เบิกวัสดุ (Request Material)

The status bar at the bottom shows 'Form View' and 'NUM'.

รูปที่ 6.16 แสดงหน้าจอเมื่อเลือกกด OLD

Microsoft Access

File Edit View Records Window Help

ทะเบียนงานใหม่

ทะเบียนงาน: [ ] จำนวน: 3 วันที่ส่ง: [ ] วันที่ตั้งการ: [ ]  
 ชื่อชิ้นส่วน: ทำ VALVE SEAT & PLUG CAGE ชื่ออุปกรณ์: FISHER CONTROL VALVE  
 โรงไฟฟ้า: NB 13  
 Priority:  PC  MAT

OLD SAVE WORK SIMU EXIT

ลำดับ	ACTIVITY	กว้าง	ยาว	สูง	น้ำหนัก	รอบ	ชม.เครื่อง	OT 19	OT 22
1		0	0	0	0	0	0		

Record: 1 of 1

ทะเบียนงานเดิม

ทะเบียนงาน: 381267 จำนวน: 1 EA ชื่อชิ้นงาน: ซ่อม VALVE  
 ชื่ออุปกรณ์: FEEL VALVE  
 ชื่อวัสดุ: [ ]

FEEL VALVE	FEED WATER CONTROL VALVE	NB	381267
ซ่อม VALVE CAGE & BODY	FEED WATER CONTROL VALVE	NC	381241
MODIFY VALVE PLUG & SEAT	ATOMIZING STEAM	NB	381208
ซ่อม VALVE	FEEL WATER CONTROL VALVE	NG	381198
ซ่อม SWING CLACK VALVE	AUXILIARY COOLING	SB	381195
ทำ PILOT VALVE & DISC	BURNER CONTROL	BT	381102
ทำ VALVE น้ำมัน	ถังดับเพลิงในแผนก ควบ-ท.	ฝคก	381064
ขอพนักงานย้าย VALVE	MAIN STEAM	NB	381040

Record: 1 of 1

รูปที่ 6.17 แสดงหน้าจอของรายการงานเดิมเพื่อให้เลือก

- ในการประมาณการใช้วัสดุให้เลือกกด Old MAT โปรแกรมจะแสดงการใช้วัสดุของงานเดิมที่ได้ทำการเลือกพร้อมกับปริมาณสำรองคลังของวัสดุนั้นๆในขณะปัจจุบัน ดังแสดงในรูปที่ 6.18

Microsoft Access

File Edit View Records Window Help

ทะเบียนงานใหม่

ทะเบียนงาน:  จำนวน: 3 วันที่สั่ง:  วันที่ถึงการ:   
 ชื่อชิ้นส่วน: ทำ VALVE SEAT & PLUG CAGE ชื่ออุปกรณ์: FISHER CONTROL VALVE  
 โรงไฟฟ้า: NB 13  
 Priority:  PC  MAT

ลำดับ	ACTIVITY	กว้าง	ยาว	สูง	น้ำหนัก	รอบ	หม.เครื่อง	OT 19	OT 22
1		0	0	0	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>

Record: 1 of 1

ทะเบียนงานเดิม

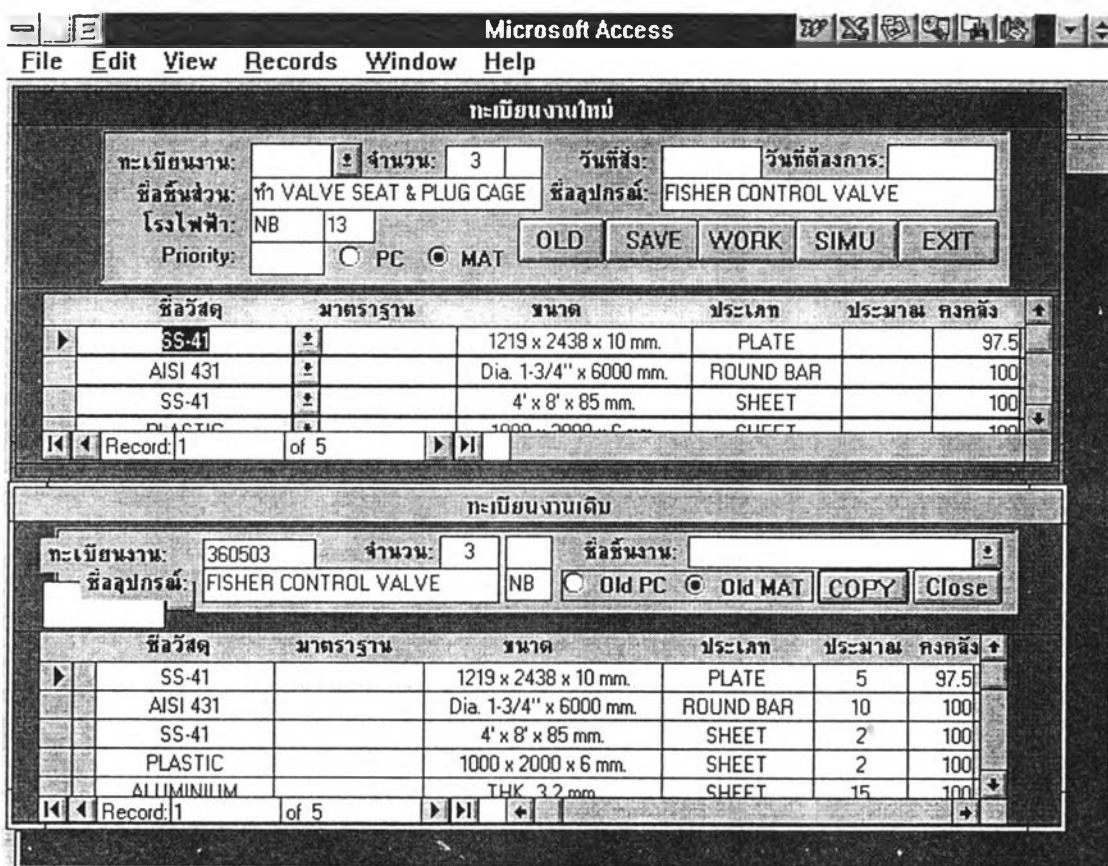
ทะเบียนงาน: 360503 จำนวน: 1 EA ชื่อชิ้นงาน: ซ่อม VALVE  
 ชื่ออุปกรณ์: FEEL WATER CONTROL VALVE NG  Old PC  Old MAT

ชื่อวัสดุ	มาตรฐาน	ขนาด	ประเภท	ปริมาณ	คงคลัง
SS-41		1219 x 2438 x 10 mm.	PLATE	5	97.5
AISI 431		Dia. 1-3/4" x 6000 mm.	ROUND BAR	10	100
SS-41		4' x 8' x 85 mm.	SHEET	2	100
PLASTIC		1000 x 2000 x 6 mm.	SHEET	2	100
ALUMINIUM		THK 3.2 mm	SHEET	15	100

Record: 1 of 5

รูปที่ 6.18 แสดงหน้าจอเมื่อเลือกกด Old MAT

- ถ้าตัดสินใจจะใช้ข้อมูลเดิมให้ทำการกด COPY โปรแกรมจะสำเนาข้อมูลการใช้วัสดุจากข้อมูลเดิมไปที่ทะเบียนงานใหม่ เมื่อกด MAT จะแสดงดังแสดงในรูปที่ 6.19 จากนั้นจะสามารถเปลี่ยนแปลงแก้ไขข้อมูลที่ทะเบียนงานนั้นๆก็ได้ แต่ที่งานเดิมจะเปลี่ยนแปลงไม่ได้
- ถ้าตัดสินใจจะไม่ใช้ข้อมูลเดิมนั้น (อาจจะมิวัสดุไม่เพียงพอ) ให้กดที่ List Box โปรแกรมจะยังแสดงรายการตามชื่องานที่ค้นหาอยู่ ทำการเลือกงานอีกครั้งแล้วทำตามกระบวนการเดิม



รูปที่ 6.19 แสดงหน้าจอเมื่อทำสำเนาจากงานเดิมไปที่งานใหม่

- ในการกำหนดขั้นตอนการดำเนินการให้กด Old PC ที่ทะเบียนงานเดิมหลังจากทำการใช้ข้อมูลวัสดุไปแล้ว ดังแสดงในรูปที่ 6.20

The screenshot shows a Microsoft Access window with the following content:

**ทะเบียนงานใหม่**

ทะเบียนงาน: 380001 จำนวน: 10 EA วันที่สั่ง: 11/01/1995 วันที่ตัดลงการ: 08/11/1994  
 ชื่อชิ้นส่วน: CROSS FIRE TUBE ชื่ออุปกรณ์: ทำ SEAT (PART NO. 42)  
 โรงไฟฟ้า: LB  
 Priority: 3  PC  MAT [OLD] [SAVE] [WORK] [SIMU] [EXIT]

ลำดับ	ACTIVITY	กว้าง	ยาว	สูง	น้ำหนัก	รวม	นม.เครื่อง	DT 19	DT 22
1		0	0	0	0	0	0		

Record: 1 of 1

**ทะเบียนงานเดิม**

ทะเบียนงาน: 380001 จำนวน: 10 EA ชื่อชิ้นงาน: CROSS FIRE TUBE  
 ชื่ออุปกรณ์: ทำ SEAT (PART NO. 42) LB  Old PC  Old MAT [COPY] [Close]

STEP	ขั้นตอนประมาณ:	MC/H:
1	SH	2
2	MT	275.5
3	GC	1.5
4	WD	110.5

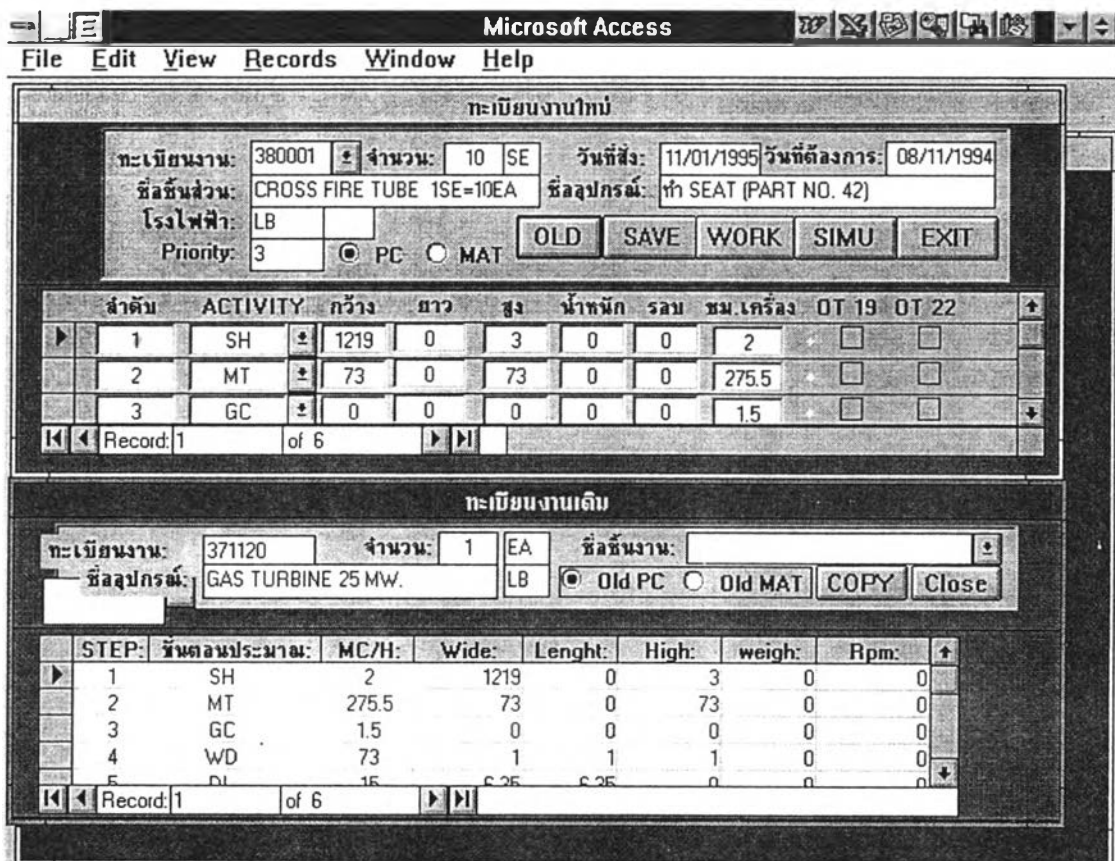
Record: 1 of 6

Form View [NUM]

รูปที่ 6.20 แสดงหน้าจอเมื่อเลือกกด Old PC



- ในการใช้ข้อมูลขั้นตอนการดำเนินการจากข้อมูลเดิมให้ทำสำเนาโดยกด COPY และเมื่อกด PC หน้าจอจะแสดงดังรูปที่ 6.21

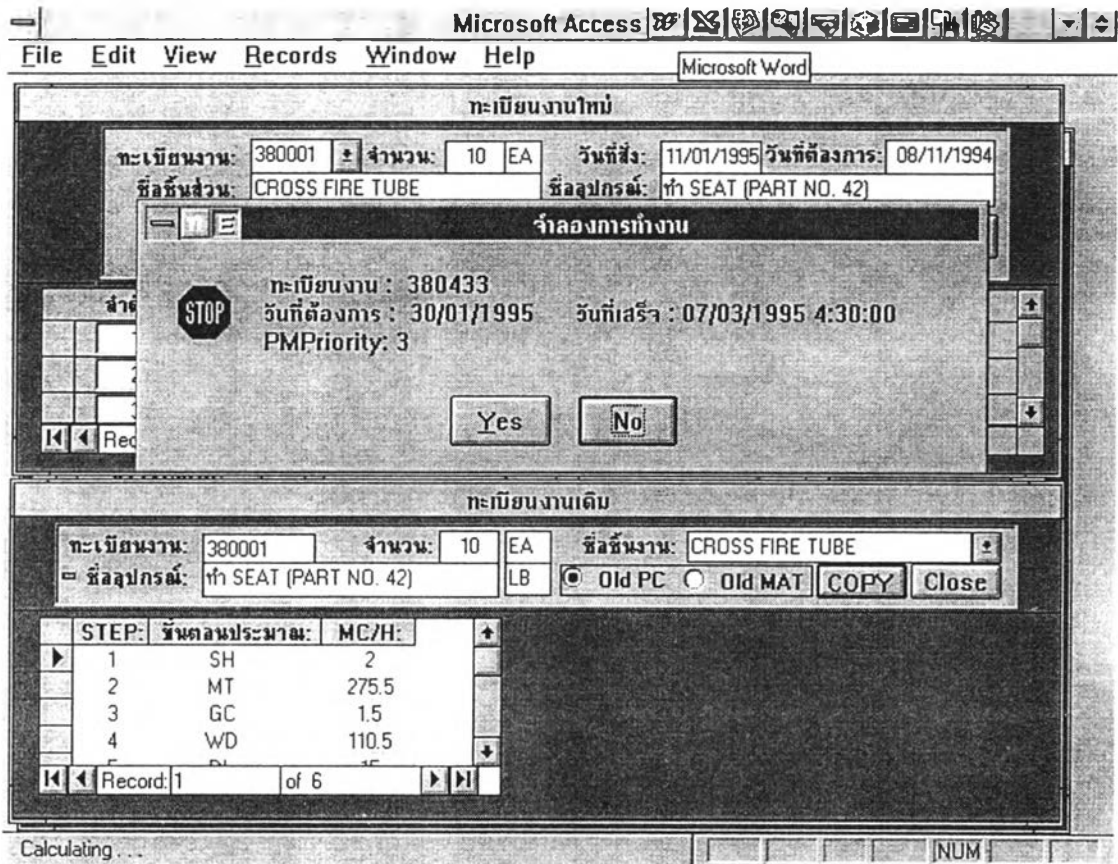


รูปที่ 6.21 แสดงหน้าจอเมื่อทำสำเนาขั้นตอนการดำเนินการจากงานเดิมมาที่งานใหม่

- Close เมื่อเลือกกดโปรแกรมจะปิดเพิ่มข้อมูลงานเดิม
- กรณีที่ไม่ใช่ข้อมูลเดิมให้กด MAT เมื่อทำการประมาณการใช้วัสดุและกด PC เมื่อทำการกำหนดขั้นตอนการดำเนินการ



- เมื่อได้ข้อมูลขั้นตอนการดำเนินการจะนำมาทำการจำลองการทำงานโดยเลือกกด SIMU โปรแกรมจะใช้เวลาคำนวณขณะหนึ่งก่อนจะแสดงผลดังในรูปที่ 6.22



รูปที่ 6.22 แสดงผลที่หน้าจอเมื่อทำการจำลองการทำงาน



ผลที่เกิดจากการจำลองการทำงานจะบอกว่างานนั้นๆเสร็จทันวันที่ต้องการหรือไม่ ถ้าผลเป็นที่พอใจให้กด Yes โปรแกรมจะทำการแสดงผลที่เกิดกับงานอื่นๆในลักษณะเดียวกัน ถ้ามีงานใดที่เวลาทำงานเสร็จไม่เป็นที่พอใจให้กด No เพื่อกำหนดการทำล่วงเวลาดังแสดงในรูปที่ 6.23

Microsoft Access

File Edit View Records Window Help

ทะเบียนงานใหญ่

ทะเบียนงาน: 380001 \* จำนวน: 10 EA วันที่ตั้ง: 11/01/1995 วันที่ต้องการ: 08/11/1994

แก้ไขข้อมูลทะเบียนงาน

ทะเบียนงาน: 380433 โรงไฟฟ้า: SB

ชื่อชิ้นงาน: ทำ THROTTLING SLEEVE

จำนวน: 6 EA เลขที่แบบ:

MSS CODE: 6 ใบสั่งเลขที่:

วันที่ตั้ง: 4:00:00 PM วันที่ต้องการ: 30/01/1995

SAVE TIME

EDIT DATE

	M/C:	OT19:	OT22:
QA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SP	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Record: 3 of 3

1	SH	2
2	MT	275.5
3	GC	1.5
4	WD	110.5

Record: 1 of 6

Form View

NUM

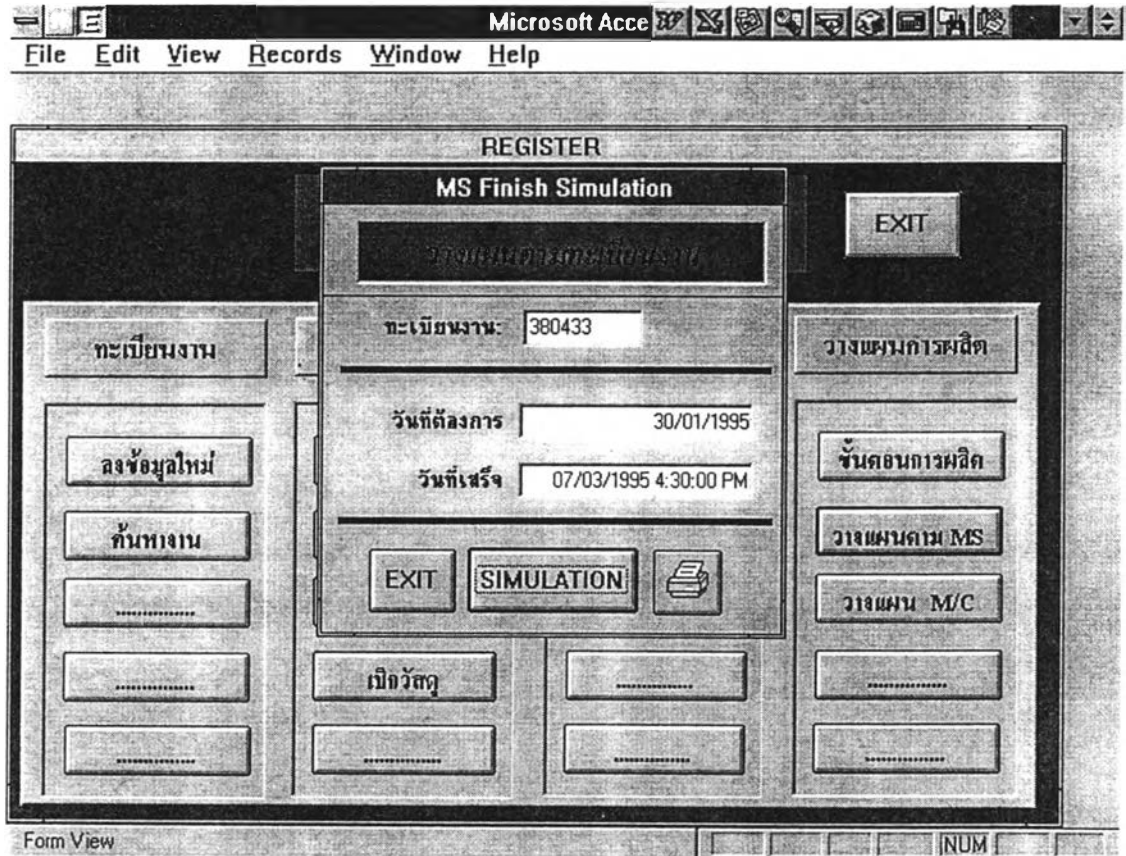
รูปที่ 6.23 แสดงหน้าจอเมื่อทำการกำหนดการทำล่วงเวลา

- การทำล่วงเวลามี 2 ช่วงสามารถกำหนดให้ทำถึง 7:00 PM ( OT19 ) หรือ 10:00 PM ( OT22 ) ก็ได้ จากนั้นให้กด SAVE TIME เพื่อเก็บข้อมูลล่วงเวลาและกลับไปทำการจำลองการทำงานอีก นอกจากนี้การแก้ไขจะทำให้การทำล่วงเวลาแล้วยังสามารถแก้ไขการกำหนดวันที่ต้องการของงานที่ไม่สำคัญให้เลื่อนออกไปโดยการกด EDIT DATE ดังแสดงในรูปที่ 6.24 โปรแกรมจะจัดเก็บข้อมูลอัตโนมัติ

รูปที่ 6.24 แสดงหน้าจอเมื่อทำการแก้ไขวันที่ต้องการ

- เมื่อข้อมูลทุกอย่างลงตัวแล้วจะจัดเก็บข้อมูลโดยการกด SAVE
- WORK เป็นการปรับทันกาล ( Update ) ของโปรแกรมการจัดลำดับงาน จะต้องกดทุกๆการเริ่มต้นวันทำงาน
- EXIT เมื่อเลือกกด โปรแกรมจะออกจากเมนูนี้ไปเมนูหลัก

4.2 วางแผนตาม MS ใช้สำหรับการสอบถามงานเสร็จ และการจัดลำดับงานโดยเรียงตามแต่ละทะเบียนงาน เมื่อกดเลือกหน้าจอก็จะเป็นดังรูปที่ 6.25



รูปที่ 6.25 แสดงหน้าจอเมื่อเลือกกด วางแผนตาม MS

- ให้ป้อนเลขทะเบียนงานที่จะทำการวางแผน หรือจะทำการสอบถามแล้วกด SIMULATION โปรแกรมจะใช้เวลาขณะหนึ่งเพื่อคำนวณและแสดงผลดังรูปที่ 6.25

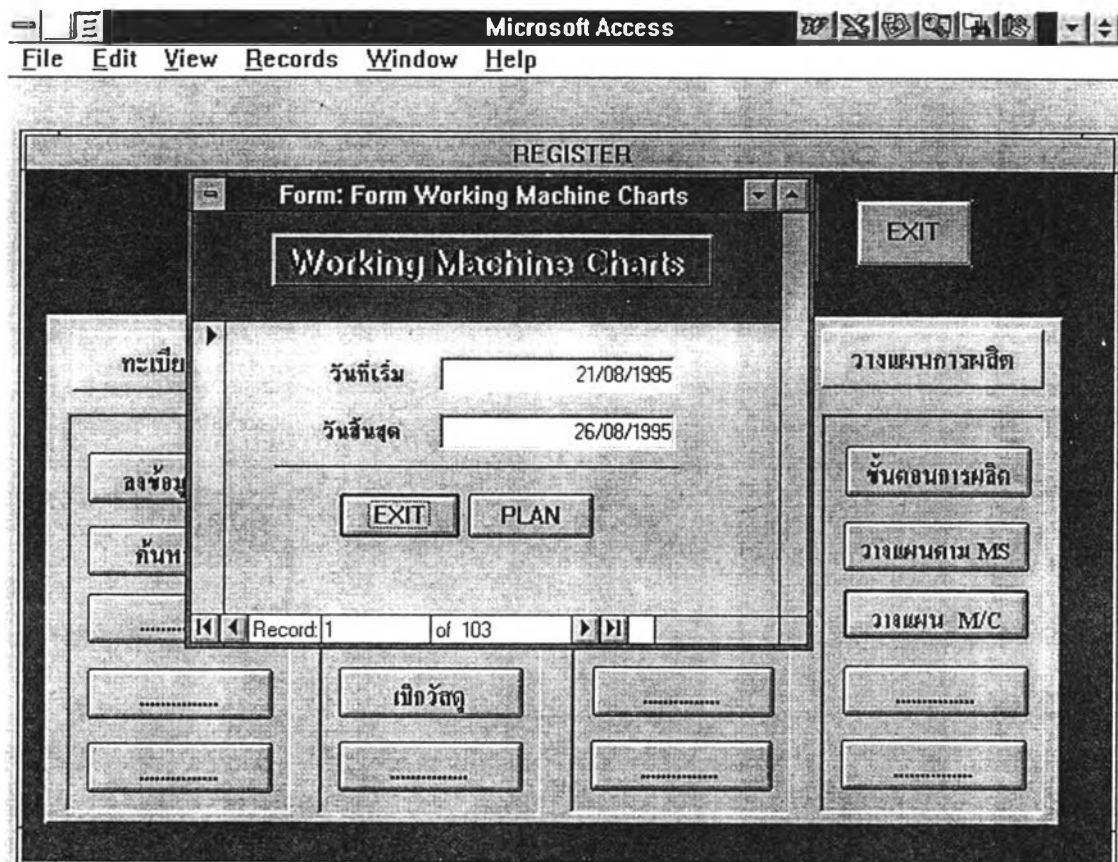
- จากนั้นจะทำรายงานการใช้เครื่องจักรสำหรับทะเบียนงานนั้น โดยกด PRINT โปรแกรมจะแสดงผลดังรูปที่ 6.26

The screenshot shows a Microsoft Access window displaying a report titled "Report: Report MS". The report is dated "25-Dec-95" and contains a table with the following columns: MS-PIECE, M/C CODE, HOUR, DATE start, and Date finish. The data is organized into three groups based on MS-PIECE values: 2804221, 2804222, and 2804223. Each group contains three rows of data for different M/C CODEs (SP-01-001, DL-01-002, and QA-01-004 for 2804221; SP-01-002, DL-01-002, and QA-01-002 for 2804222; and SP-01-001 and DL-01-001 for 2804223). The hours and dates are consistent within each group, indicating a specific time slot for each piece.

MS-PIECE	M/C CODE	HOUR	DATE start	Date finish
2804221	SP-01-001	1.8777	07/07/1995 9:10:00 AM	07/07/1995 11:00:00 AM
	DL-01-002	0.1667	07/07/1995 11:00:00 AM	07/07/1995 11:10:00 AM
	QA-01-004	0.6667	07/07/1995 11:10:00 AM	07/07/1995 11:50:00 AM
2804222	SP-01-002	1.8777	07/07/1995 9:10:00 AM	07/07/1995 11:00:00 AM
	DL-01-002	0.1667	07/07/1995 11:00:00 AM	07/07/1995 11:10:00 AM
	QA-01-002	0.6667	07/07/1995 11:10:00 AM	07/07/1995 11:50:00 AM
2804223	SP-01-001	1.8777	07/07/1995 11:00:00 AM	07/07/1995 1:50:00 PM
	DL-01-001	0.1667	07/07/1995 1:50:00 PM	07/07/1995 2:00:00 PM

รูปที่ 6.26 แสดงหน้าจอการออกรายงานการใช้เครื่องจักรของทะเบียนงาน

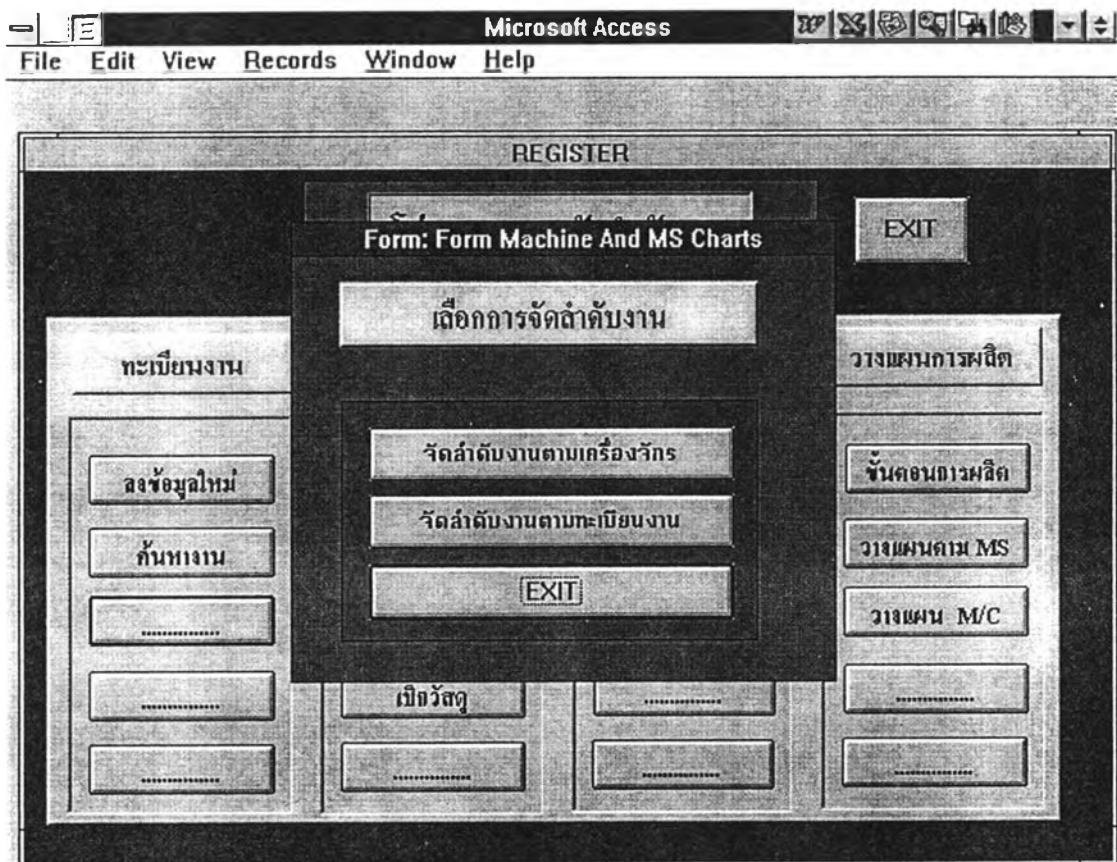
4.3 วางแผน M/C ใช้สำหรับการจัดลำดับงาน โดยรวมของข้อมูลทะเบียนงาน และเครื่องจักรทั้งหมด เมื่อเลือกกดหน้าจอจะแสดงดังรูปที่ 6.27



รูปที่ 6.27 แสดงหน้าจอเมื่อเลือกกด วางแผน M/C



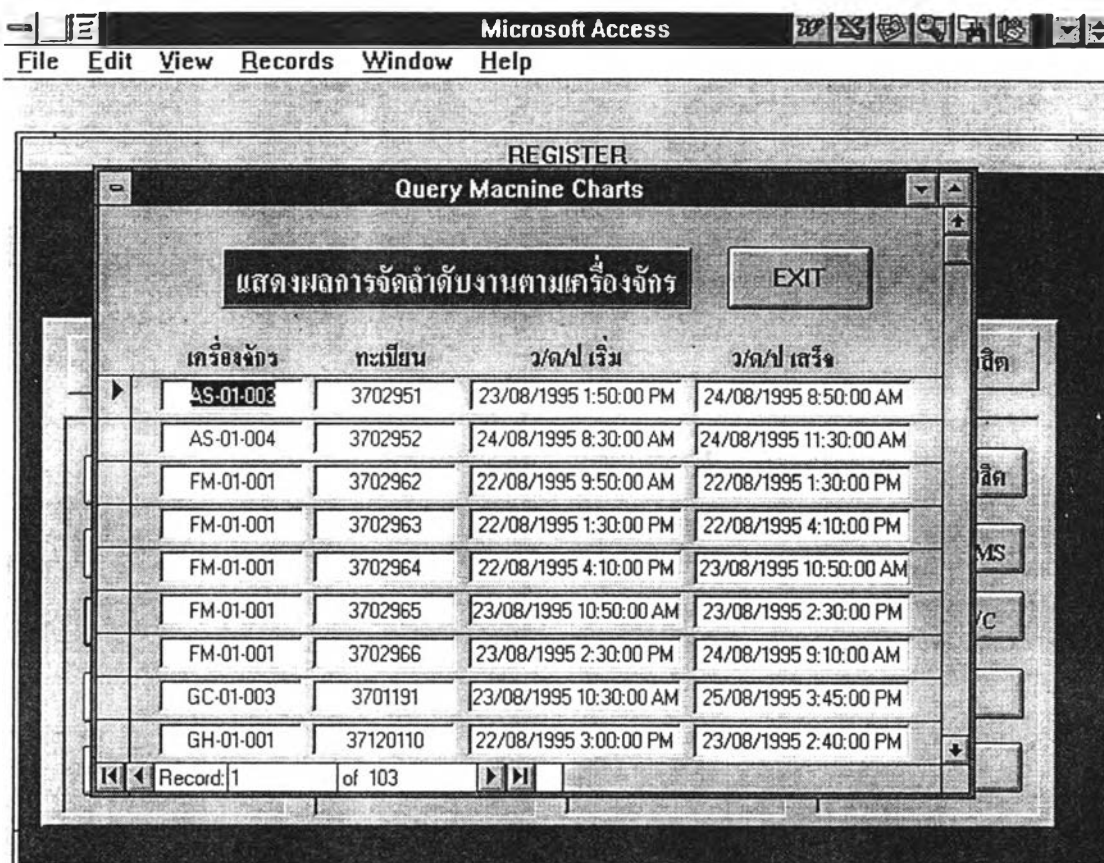
- ให้ป้อนช่วงเวลาที่จะทำการวางแผน แล้วกด PLAN โปรแกรมจะทำการสอบถามรูปแบบดังแสดง ในรูปที่ 6.28
- EXIT เมื่อเลือกกดโปรแกรมจะออกจากเมนูนี้ไปเมนูหลัก



รูปที่ 6.28 แสดงหน้าจอเพื่อสอบถามรูปแบบการวางแผน



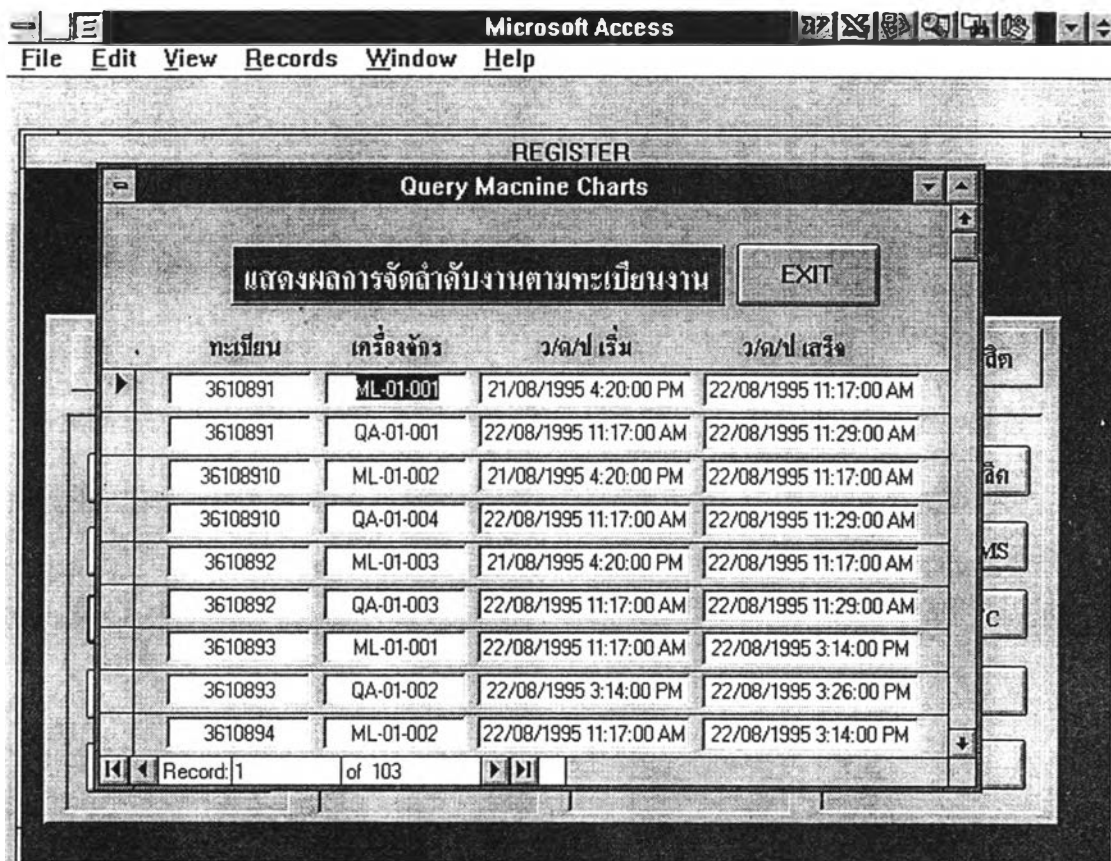
- เมื่อเลือกกด จัดลำดับงานตามเครื่องจักร โปรแกรมจะทำการจัดลำดับงานตามเครื่องจักรดังแสดงในรูปที่ 6.29



รูปที่ 6.29 แสดงการจัดลำดับงานตามเครื่องจักร

- EXIT เมื่อเลือกกด โปรแกรมจะออกจากหน้าจอแสดงผลกลับไปหน้าจอการสอบถามรูปแบบในรูปที่ 6.28

- เมื่อเลือกกด จัดลำดับงานตามทะเบียนงาน โปรแกรมแสดงผลการจัดลำดับงานตามทะเบียนงาน ดัง รูปที่ 6.30

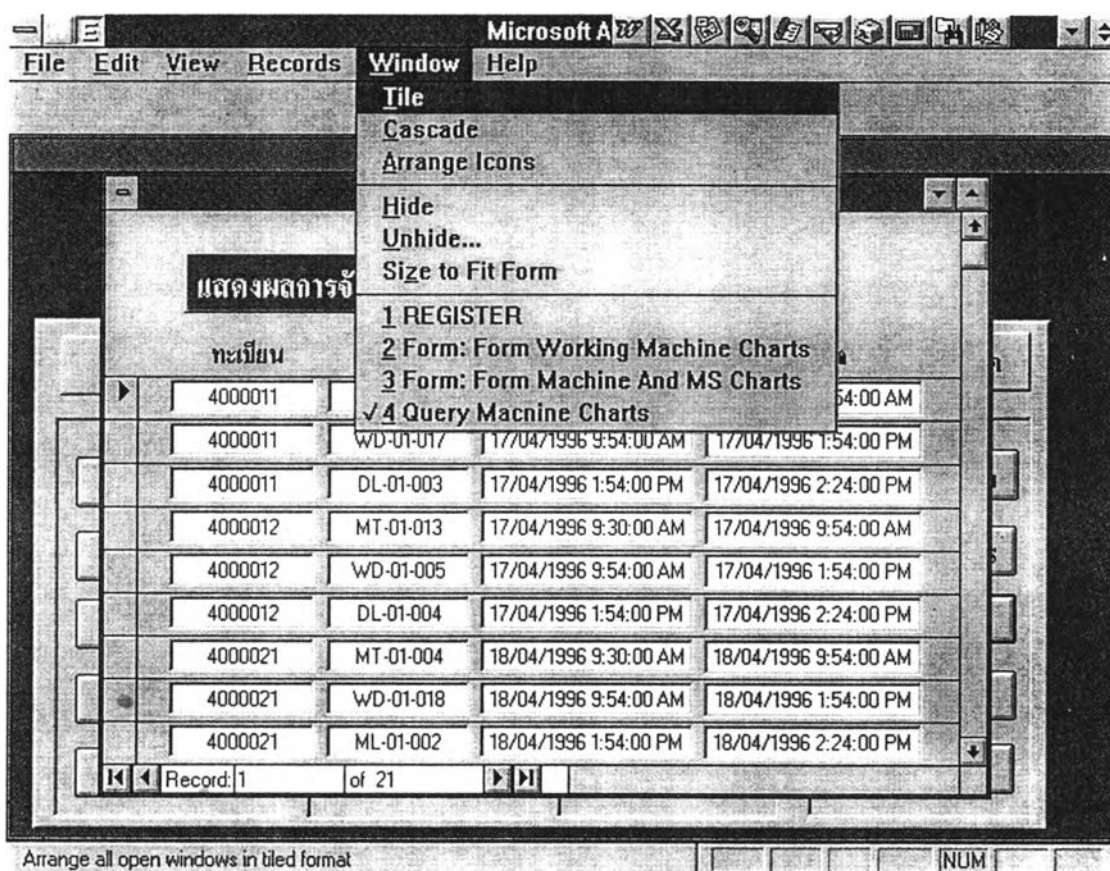


รูปที่ 6.30 แสดงผลการจัดลำดับงานตามทะเบียนงาน

- EXIT เมื่อเลือกกด โปรแกรมจะออกจากหน้าจอแสดงผลกลับไปหน้าจอสอบถามรูปแบบในรูปที่ 6.28

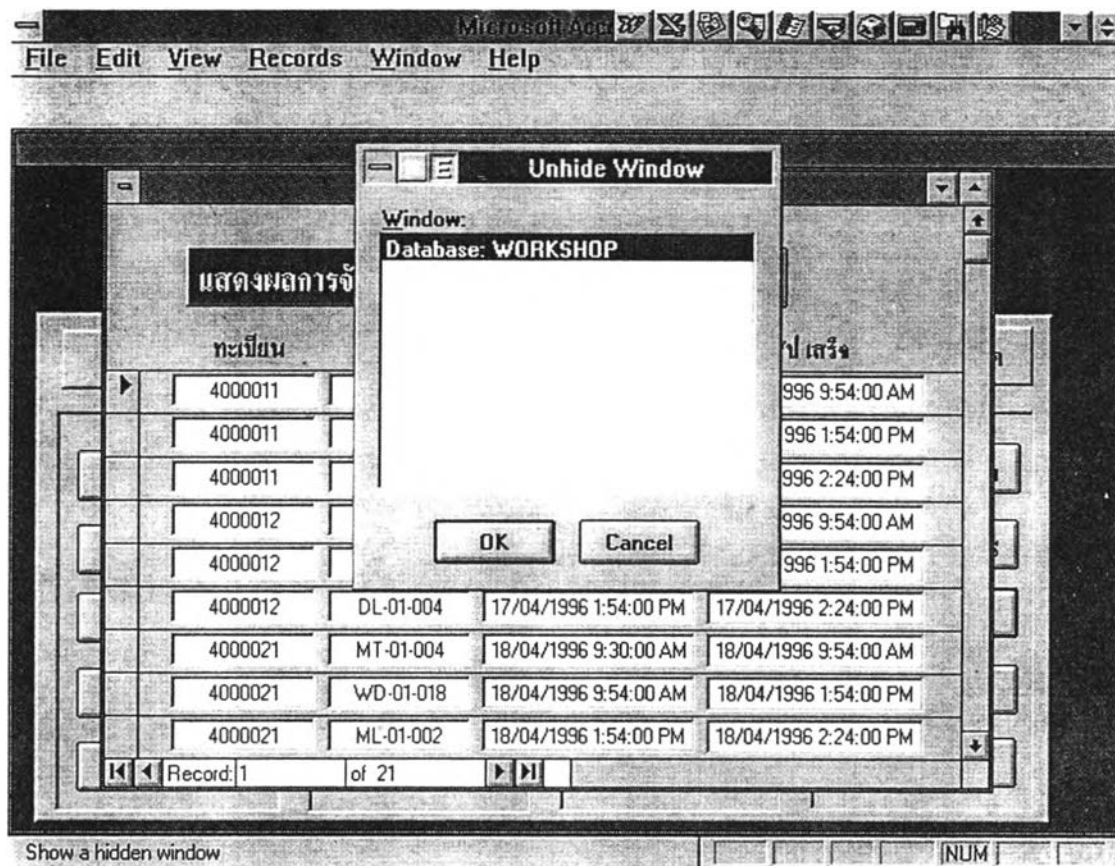
กรณีที่ต้องการสร้าง GANTT CHART มี 2 ลักษณะให้เลือกคือ ตามทะเบียนงานหรือตามเครื่องจักรซึ่งจะต้องดำเนินการตามขั้นตอนต่อไปนี้

1. เมื่ออยู่ในภาคการแสดงผลการจัดลำดับงานทั้งตามทะเบียนงาน และตามเครื่องจักรให้ Click Mouse ที่ Window ซึ่งอยู่บรรทัดบนของหน้าจอ ACCESS หรือกด Alt-W หน้าจอแสดงดังรูปที่ 6.31



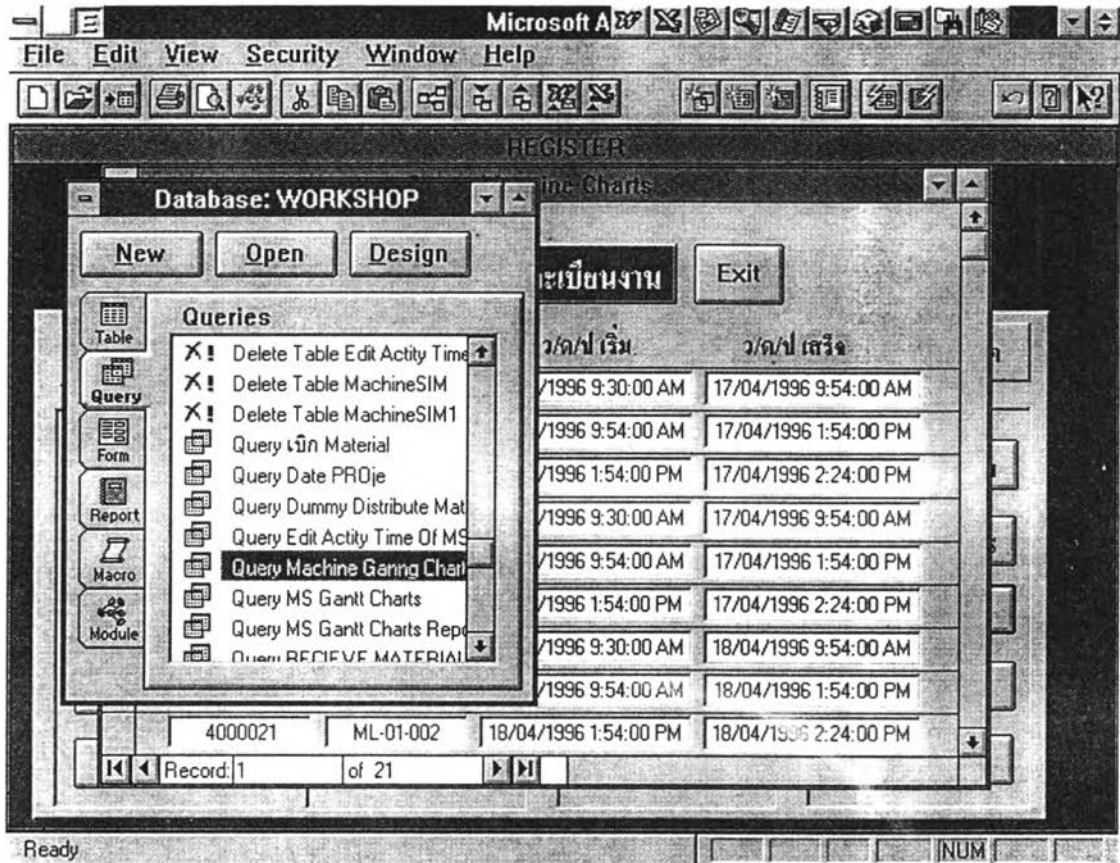
รูปที่ 6.31 แสดงหน้าจอเมื่อกด Window

2. กดเลือก **Unhide...** หน้าจอจะแสดงผลดังรูปที่ 6.32



รูปที่ 6.33 แสดงหน้าจอเมื่อกด **Unhide...**

3. กดเลือก OK หน้าจอแสดง Database WORKSHOP ตามรูปที่ 6.34



รูปที่ 6.34 แสดงเมนูของ Database WORKSHOP

4. เข้าเมนู Query และเลือกเปิด Query ชื่อ MS Gantt Chart สำหรับแผนตามทะเบียนงาน หน้าจอจะแสดงผลดังรูปที่ 6.36 และชื่อ Machine Gantt Chart สำหรับแผนตามเครื่องจักรหน้าจอก็จะแสดงผลดังรูปที่ 6.35

Microsoft Access window showing a query named "Query Machine Gantt Charts". The data is displayed in a Datasheet View with the following columns: M/C CODE, MS, DATE\_start, and Date\_finish. The records are as follows:

M/C CODE	MS	DATE_start	Date_finish
DL-01-002	4000042	23/04/1996 10:30:00 AM	23/04/1996 11:30:00 AM
DL-01-003	4000011	17/04/1996 1:54:00 PM	17/04/1996 2:24:00 PM
DL-01-004	4000012	17/04/1996 1:54:00 PM	17/04/1996 2:24:00 PM
DL-01-006	4000041	23/04/1996 10:30:00 AM	23/04/1996 11:30:00 AM
ML-01-002	4000021	18/04/1996 1:54:00 PM	18/04/1996 2:24:00 PM
ML-01-002	4000023	18/04/1996 2:24:00 PM	18/04/1996 2:54:00 PM
ML-01-003	4000022	18/04/1996 1:54:00 PM	18/04/1996 2:24:00 PM
MT-01-001	4000041	22/04/1996 9:30:00 AM	22/04/1996 11:30:00 AM
MT-01-003	4000042	22/04/1996 9:30:00 AM	22/04/1996 11:30:00 AM
MT-01-004	4000021	18/04/1996 9:30:00 AM	18/04/1996 9:54:00 AM
MT-01-005	4000022	18/04/1996 9:30:00 AM	18/04/1996 9:54:00 AM
MT-01-006	4000023	18/04/1996 9:30:00 AM	18/04/1996 9:54:00 AM
MT-01-010	4000011	17/04/1996 9:30:00 AM	17/04/1996 9:54:00 AM
MT-01-013	4000012	17/04/1996 9:30:00 AM	17/04/1996 9:54:00 AM
WD-01-004	4000041	22/04/1996 11:30:00 AM	23/04/1996 10:30:00 AM
WD-01-005	4000012	17/04/1996 9:54:00 AM	17/04/1996 1:54:00 PM
WD-01-008	4000022	18/04/1996 9:54:00 AM	18/04/1996 1:54:00 PM

รูปที่ 6.35 แสดง Database ใน Query Machine Gantt Chart

Microsoft Access

File Edit View Format Records Window Help

REGISTER New Form

Select Query: Query MS Gantt Charts

MS	M/C CODE	DATE start	Date finish
4000011	MT-01-010	17/04/1996 9:30:00 AM	17/04/1996 9:54:00 AM
4000011	WD-01-017	17/04/1996 9:54:00 AM	17/04/1996 1:54:00 PM
4000011	DL-01-003	17/04/1996 1:54:00 PM	17/04/1996 2:24:00 PM
4000012	MT-01-013	17/04/1996 9:30:00 AM	17/04/1996 9:54:00 AM
4000012	WD-01-005	17/04/1996 9:54:00 AM	17/04/1996 1:54:00 PM
4000012	DL-01-004	17/04/1996 1:54:00 PM	17/04/1996 2:24:00 PM
4000021	MT-01-004	18/04/1996 9:30:00 AM	18/04/1996 9:54:00 AM
4000021	WD-01-018	18/04/1996 9:54:00 AM	18/04/1996 1:54:00 PM
4000021	ML-01-002	18/04/1996 1:54:00 PM	18/04/1996 2:24:00 PM
4000022	MT-01-005	18/04/1996 9:30:00 AM	18/04/1996 9:54:00 AM
4000022	WD-01-008	18/04/1996 9:54:00 AM	18/04/1996 1:54:00 PM
4000022	ML-01-003	18/04/1996 1:54:00 PM	18/04/1996 2:24:00 PM
4000023	MT-01-006	18/04/1996 9:30:00 AM	18/04/1996 9:54:00 AM
4000023	WD-01-010	18/04/1996 9:54:00 AM	18/04/1996 1:54:00 PM
4000023	ML-01-002	18/04/1996 2:24:00 PM	18/04/1996 2:54:00 PM
4000041	MT-01-001	22/04/1996 9:30:00 AM	22/04/1996 11:30:00 AM
4000041	WD-01-004	22/04/1996 11:30:00 AM	23/04/1996 10:30:00 AM

Record: 1 of 21

4000021 ML-01-002 18/04/1996 1:54:00 PM 18/04/1996 2:24:00 PM

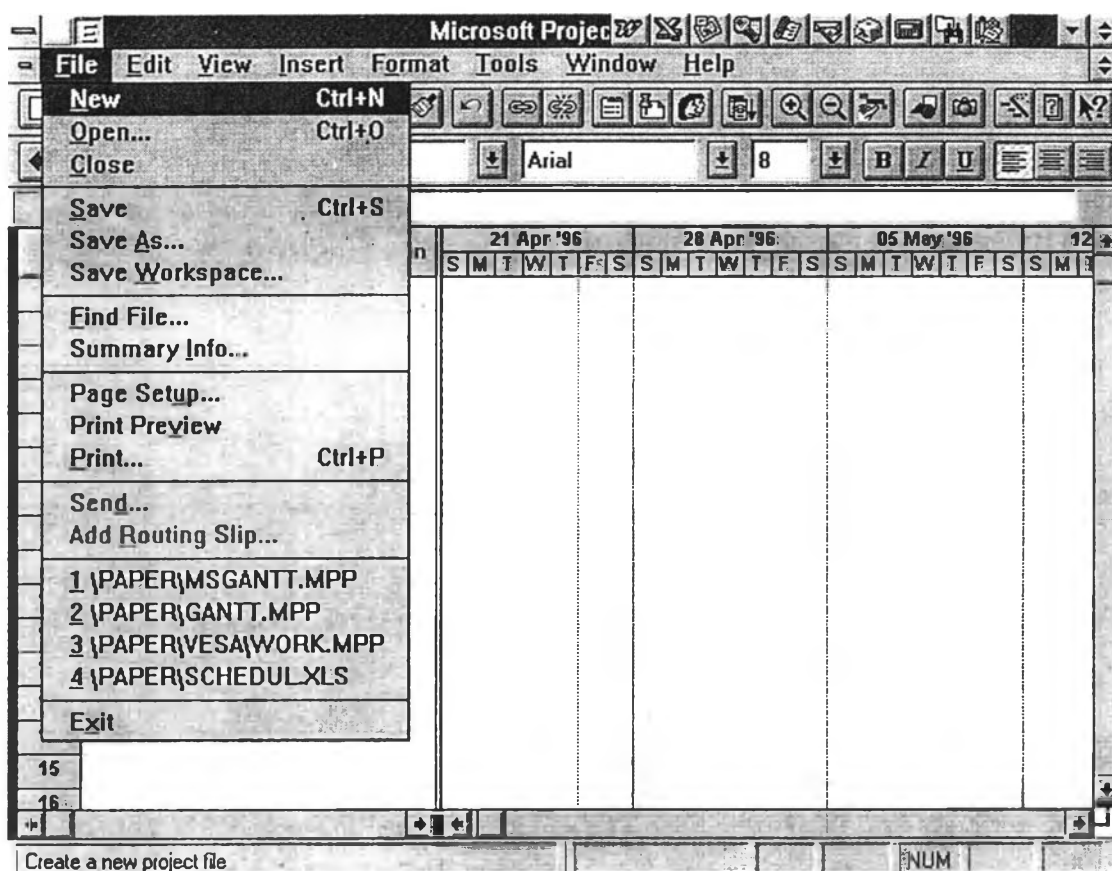
Record: 1 of 21

Create a new form NUM

รูปที่ 6.36 แสดง Database ใน Query MS Gantt Chart



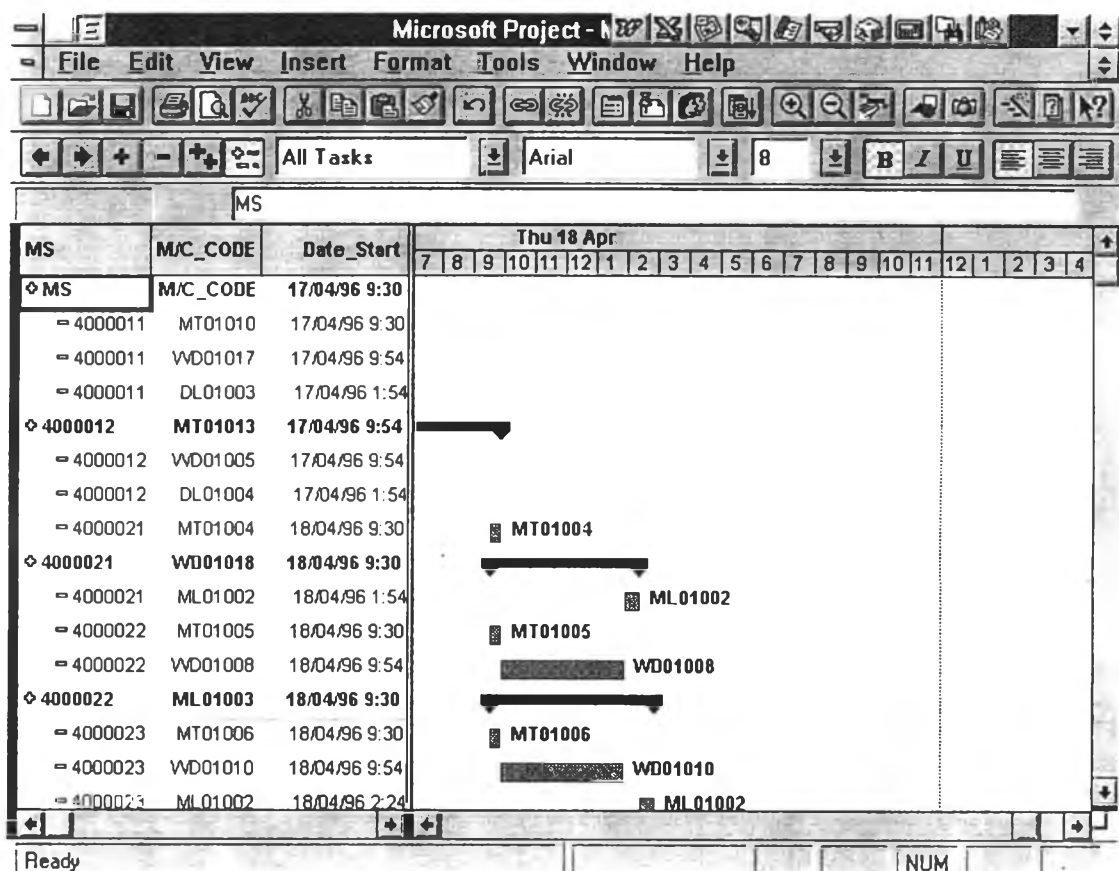
5. ลาก Mouse ที่ช่องซ้ายสุดตั้งแต่ข้อมูลแรกจนถึงข้อมูลสุดท้าย เพื่อจะสำเนาข้อมูลไปที่ Microsoft Project จากนั้นกด Ctrl-C แล้ว Click Mouse ที่สัญลักษณ์ของ Microsoft Project (บรรทัดบนสุดด้านขวาของหน้าจอ) จะเข้าสู่ Microsoft Project V 4.0 ดังแสดงในรูปที่ 6.37 แล้ว Click ที่ File



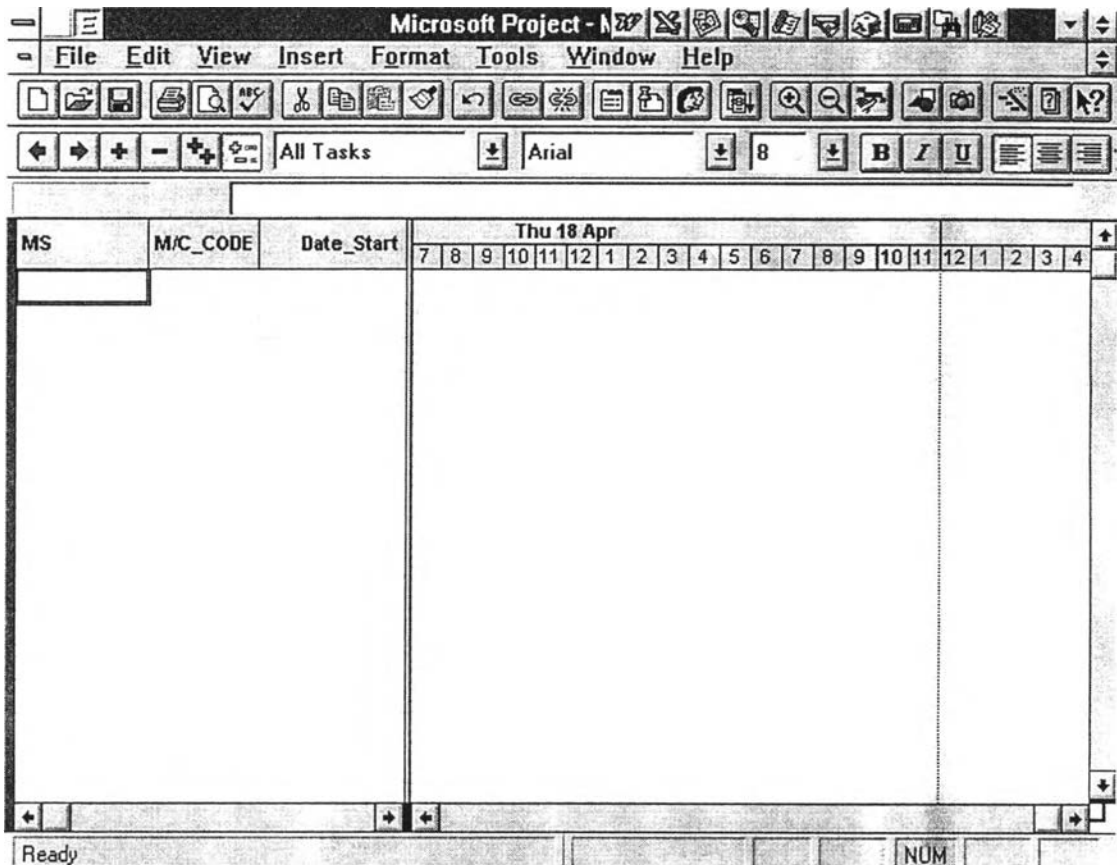
รูปที่ 6.37 แสดงหน้าจอของ Microsoft Project V4.0



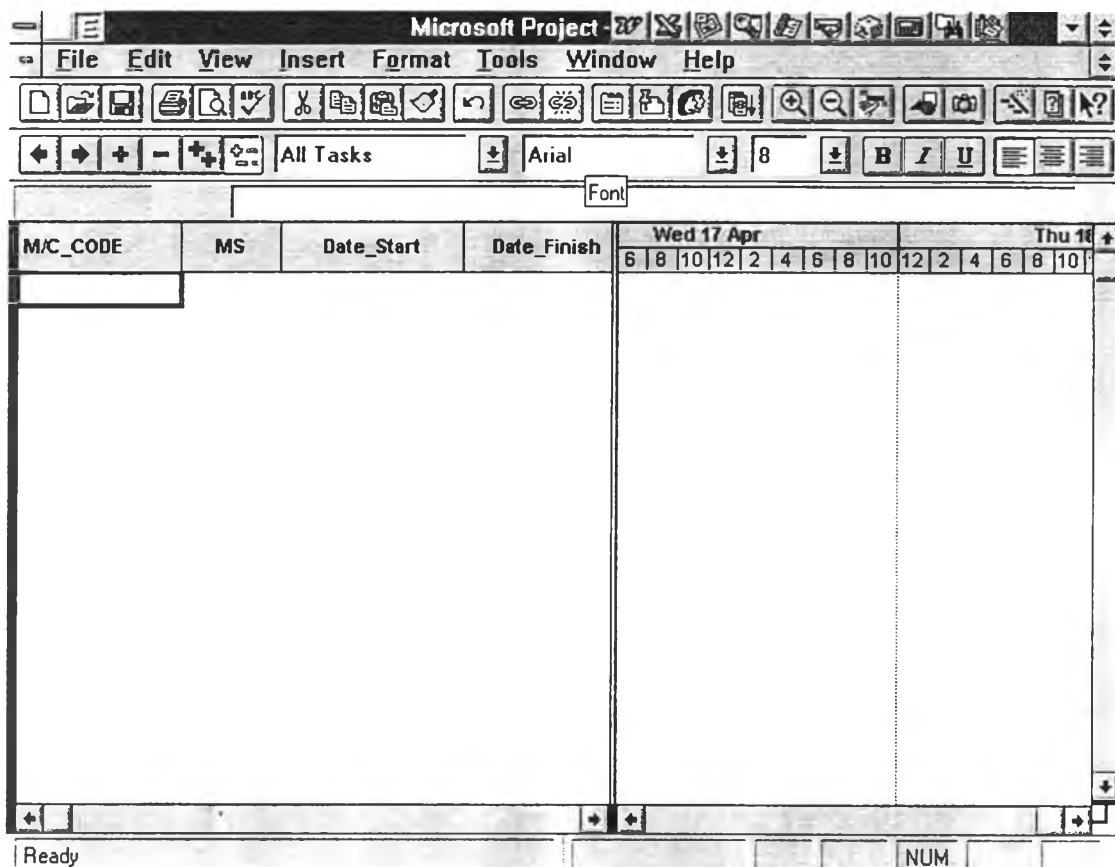
6. เข้า เพิ่มข้อมูล MS Gantt.MPP ถ้าเป็นแผนตามทะเบียนงานและ เพิ่มข้อมูล Gantt.MPP ถ้าเป็นแผนตามเครื่องจักร เมื่อเข้าเพิ่มข้อมูลแล้วหน้าจะแสดงข้อมูลเดิมดังแสดง ในรูปที่ 6.38 ให้ทำการลบออกโดยลาก Mouse ตั้งแต่ข้อมูลแรกในตารางด้านซ้ายจนถึงข้อมูล สุดท้ายในตารางด้านขวา กด Delete ที่คีย์บอร์ด หน้าจะแสดงผลดังรูปที่ 6.39 สำหรับแผนตาม ทะเบียนงาน และรูปที่ 6.40 สำหรับแผนตามเครื่องจักร



รูปที่ 6.38 แสดงข้อมูลที่มีอยู่ในเพิ่มข้อมูล

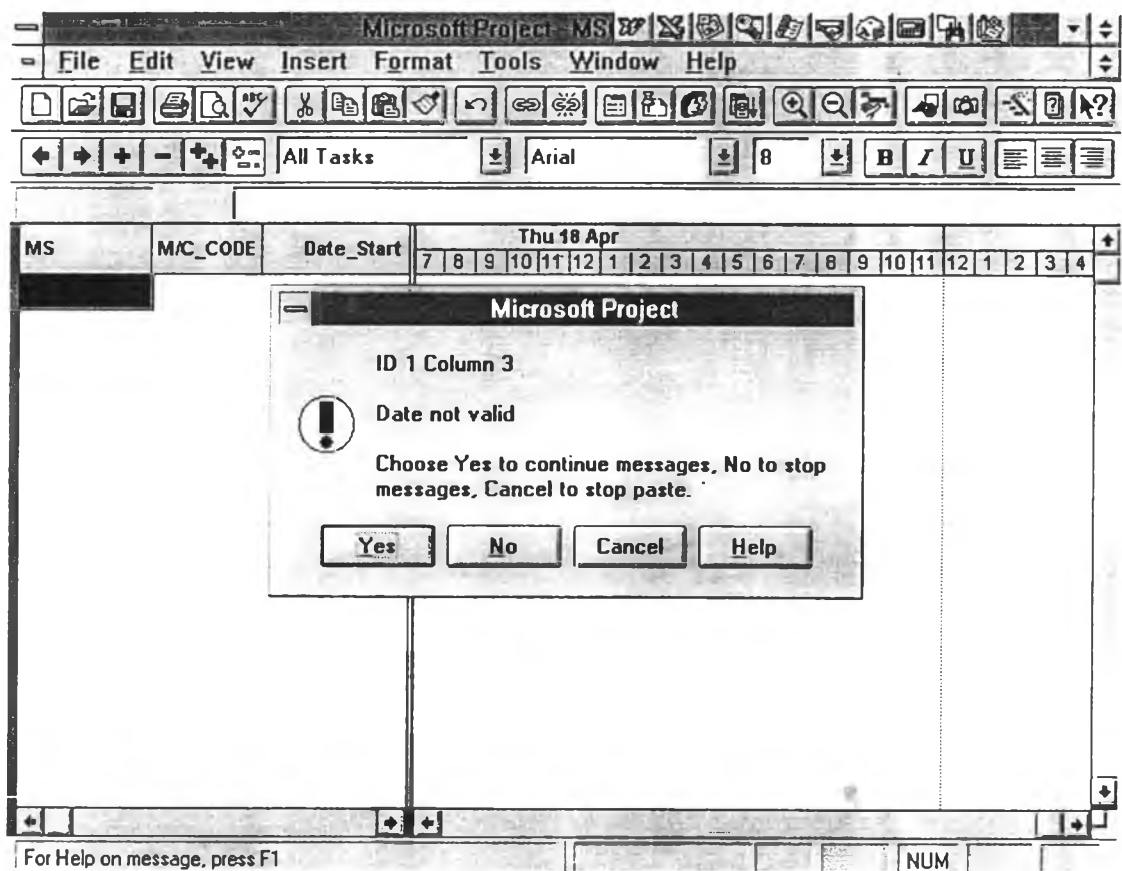


รูปที่ 6.39 แสดงเพิ่มข้อมูล MS Gantt Chart ที่ลบข้อมูลเดิมแล้ว



รูปที่ 6.40 แสดงเพิ่มข้อมูล Gantt Chart ที่ลบข้อมูลแล้ว

7. กด **Ctrl-V** เพื่อรับสำเนาข้อมูลจาก Microsoft Access เนื่องจากความแตกต่างของโปรแกรม ดังนั้นจึงต้องทำการปรับโดยเมื่อหน้าจอแสดงดังรูปที่ 6.41 ให้กด **YES** จนข้อมูลสามารถแสดงดังในรูปที่ 6.42



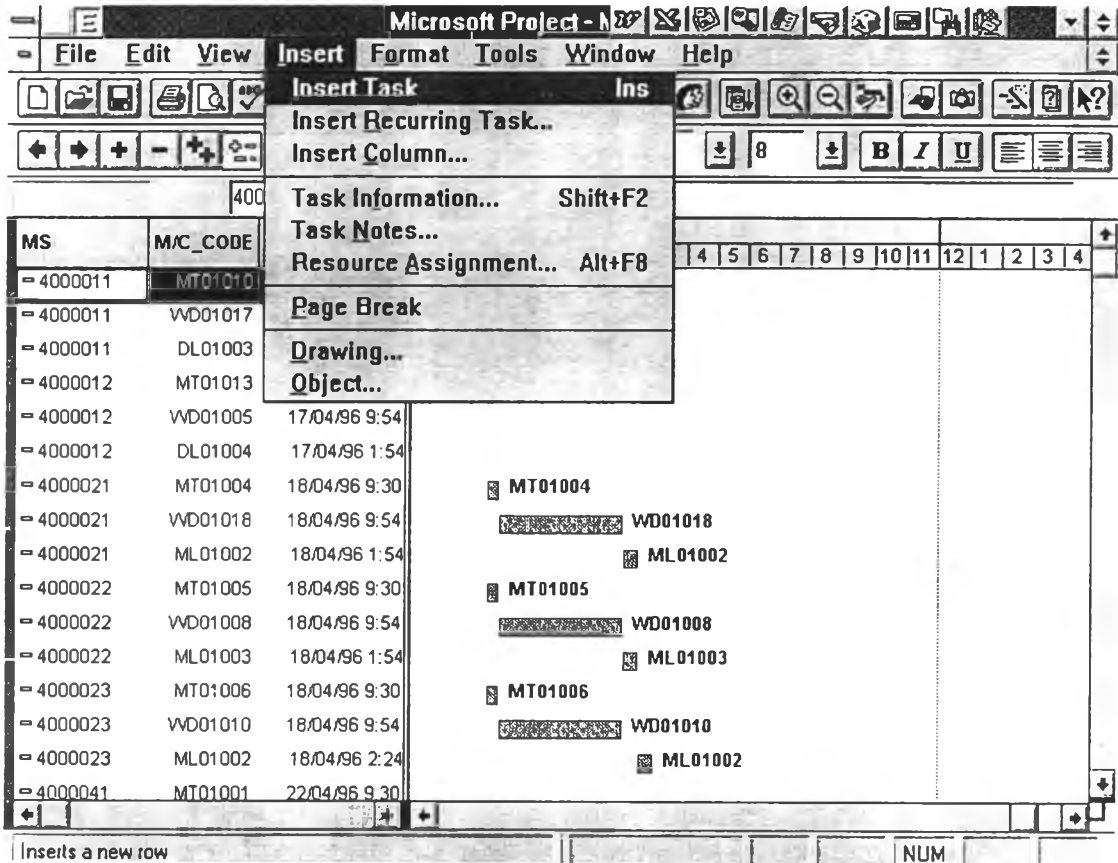
รูปที่ 6.41 แสดงหน้าจอเพื่อปรับข้อมูล

MS	M/C_CODE	Date_Start	Thu 18 Apr																					
			7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4
=MS	MAC_CODE	04/01/96 8:30																						
=4000011	MT01010	17/04/96 9:30																						
=4000011	WD01017	17/04/96 9:54																						
=4000011	DL01003	17/04/96 1:54																						
=4000012	MT01013	17/04/96 9:30																						
=4000012	WD01005	17/04/96 9:54																						
=4000012	DL01004	17/04/96 1:54																						
=4000021	MT01004	18/04/96 9:30																						
=4000021	WD01018	18/04/96 9:54																						
=4000021	ML01002	18/04/96 1:54																						
=4000022	MT01005	18/04/96 9:30																						
=4000022	WD01008	18/04/96 9:54																						
=4000022	ML01003	18/04/96 1:54																						
=4000023	MT01006	18/04/96 9:30																						
=4000023	WD01010	18/04/96 9:54																						
=4000023	ML01002	18/04/96 2:24																						

รูปที่ 6.42 แสดงข้อมูลที่เข้ามาใน Microsoft Project

เมื่อข้อมูลเข้าต้องทำการลบข้อมูลบรรทัดแรกออกเนื่องจากบรรทัดแรกใน Microsoft Access เป็นชื่อของข้อมูลไม่ใช่ตัวข้อมูล

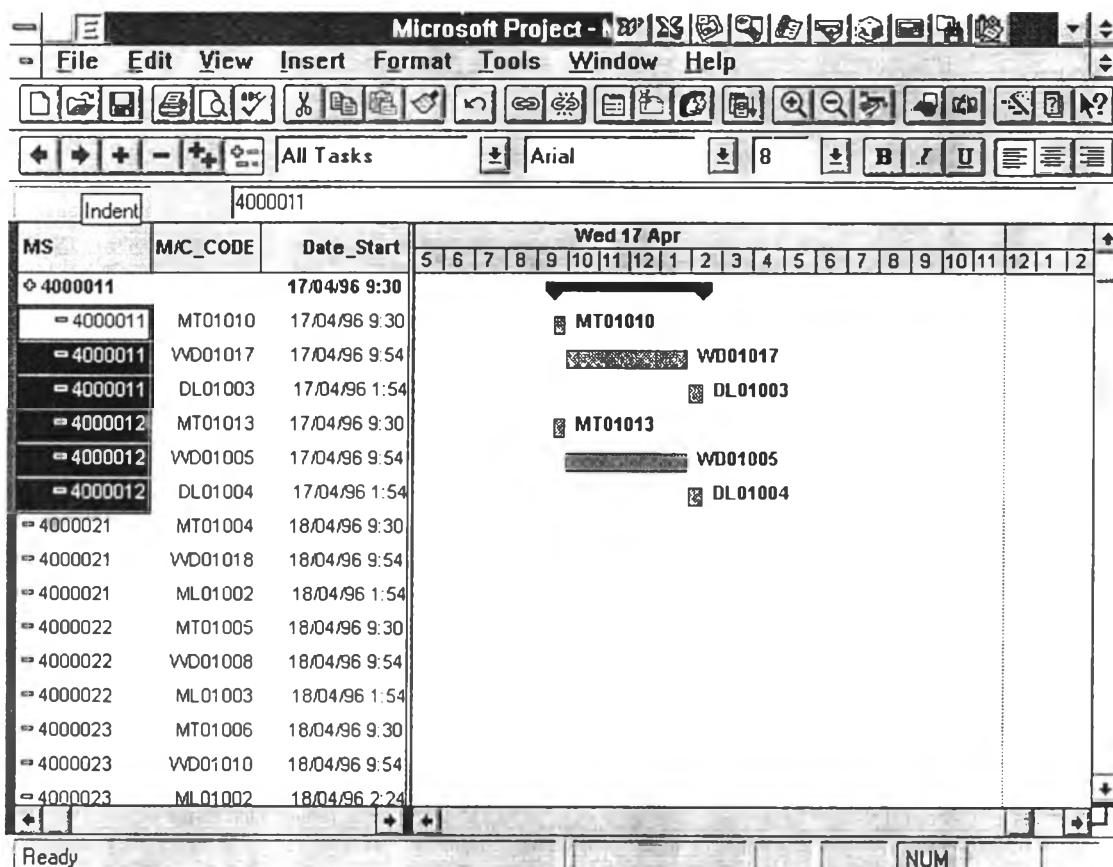
8. ทำการแต่งหน้าจอให้ดูง่ายต่อความเข้าใจโดยกด Insert Task เพิ่มหัวข้อใหญ่ ดังแสดง  
ในรูปที่ 6.43



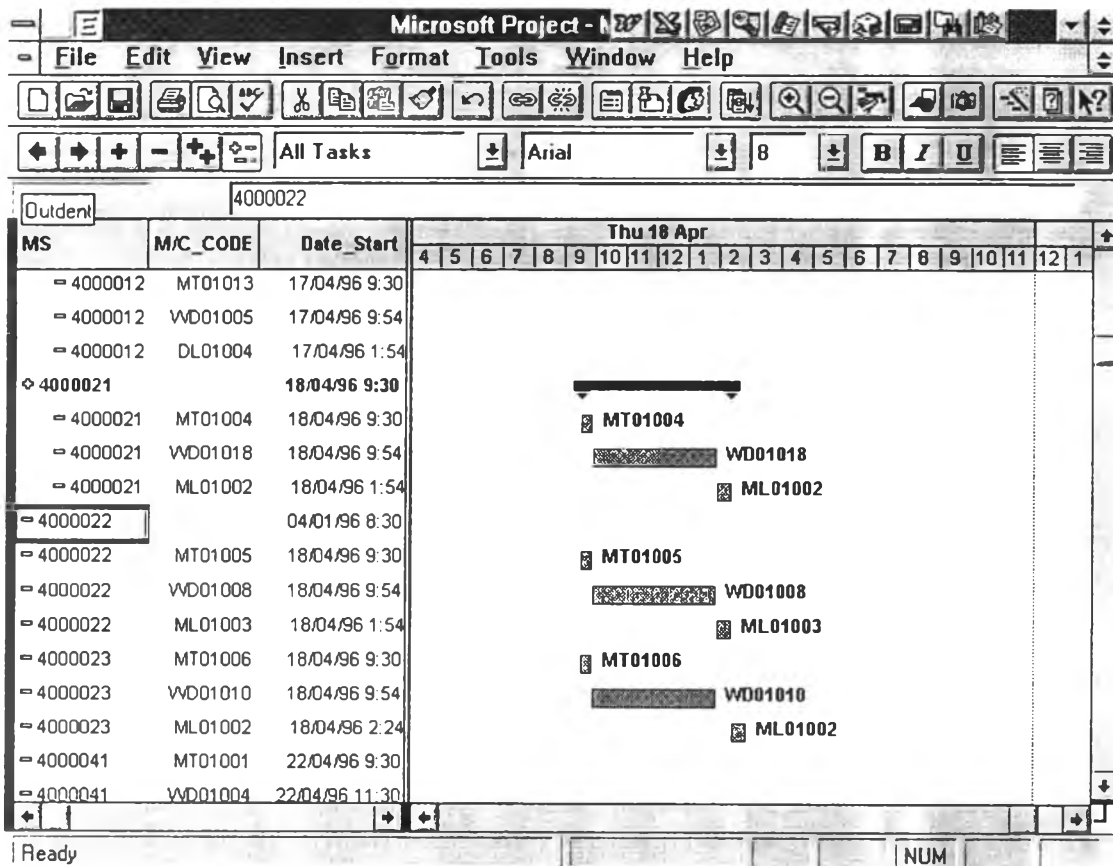
รูปที่ 6.43 แสดงการกด Insert Task



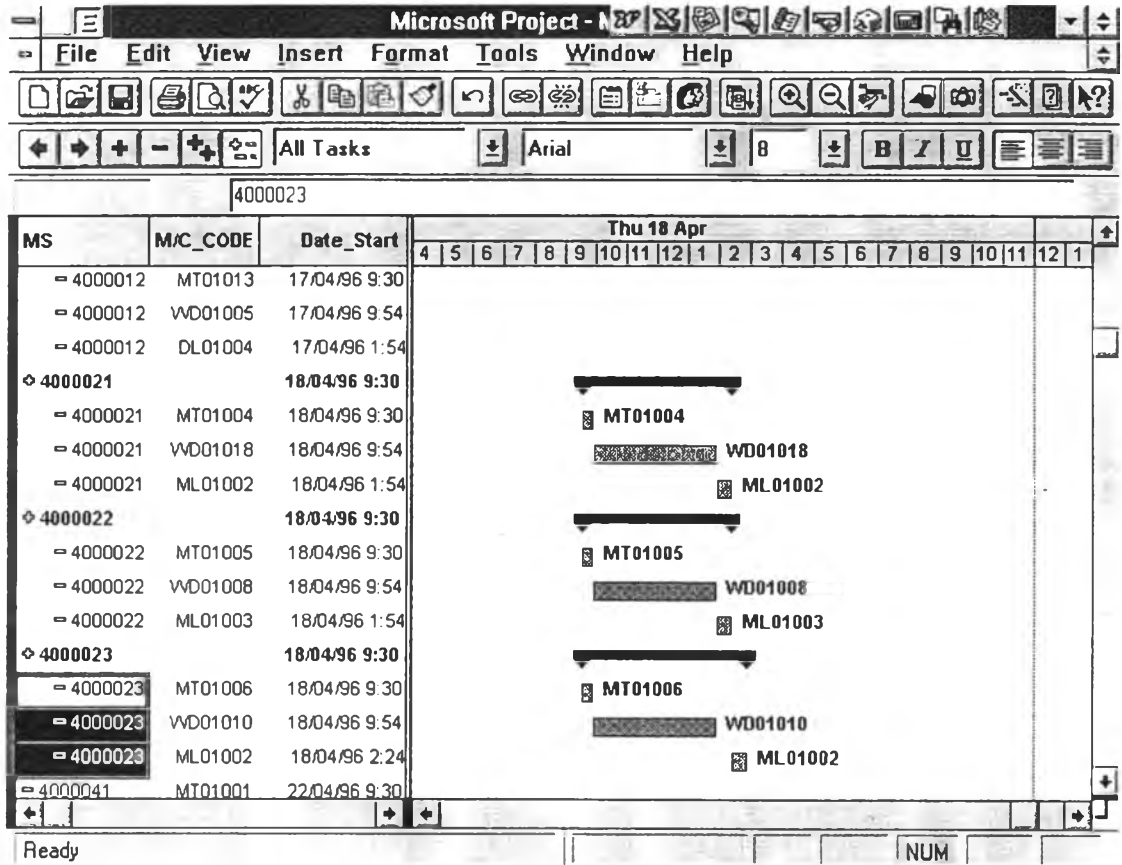
9. หัวข้อใหญ่จะอยู่ชิดซ้าย ส่วนงานย่อยจะอยู่ห่างจากขอบออกมา การปรับระยะจะใช้ปุ่ม **Indent** และ **Outdent** เพื่อชิดในและชิดขอบในตามลำดับ ดังแสดงในรูปที่ 6.44 ถึงรูปที่ 6.48



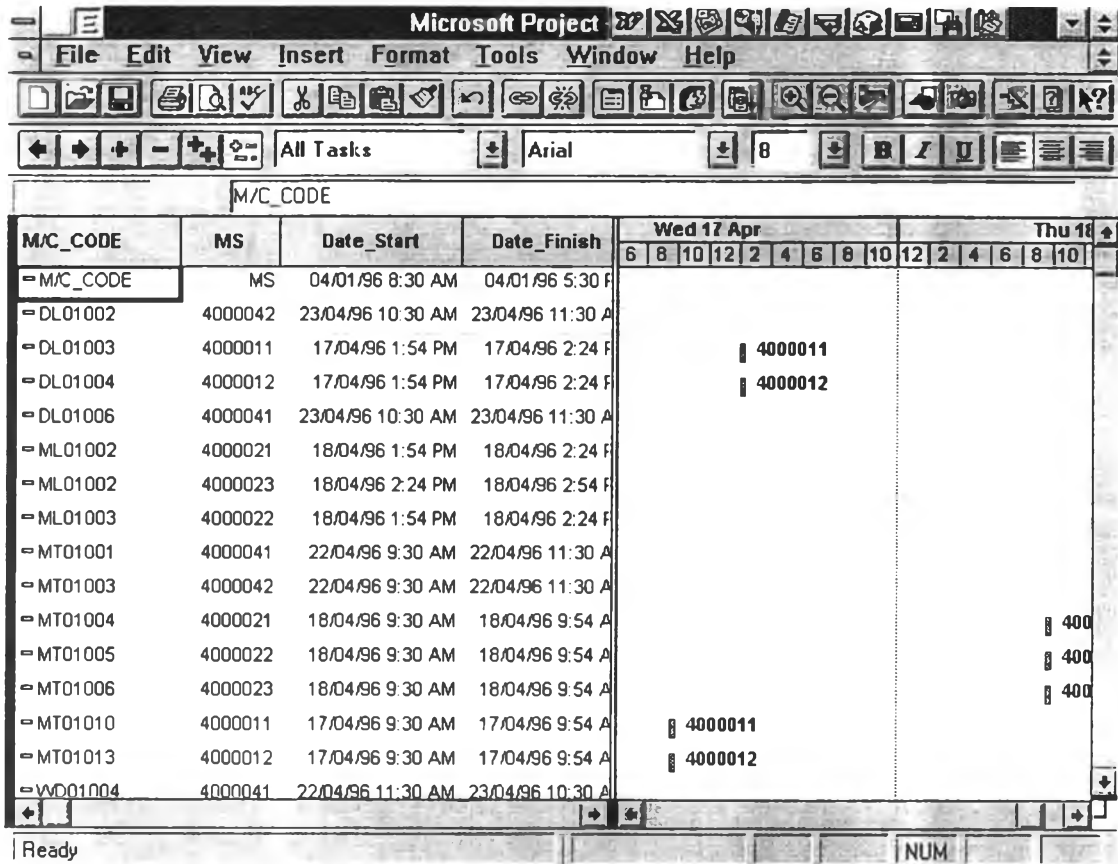
รูปที่ 6.44 แสดงการปรับด้วยปุ่ม Indent



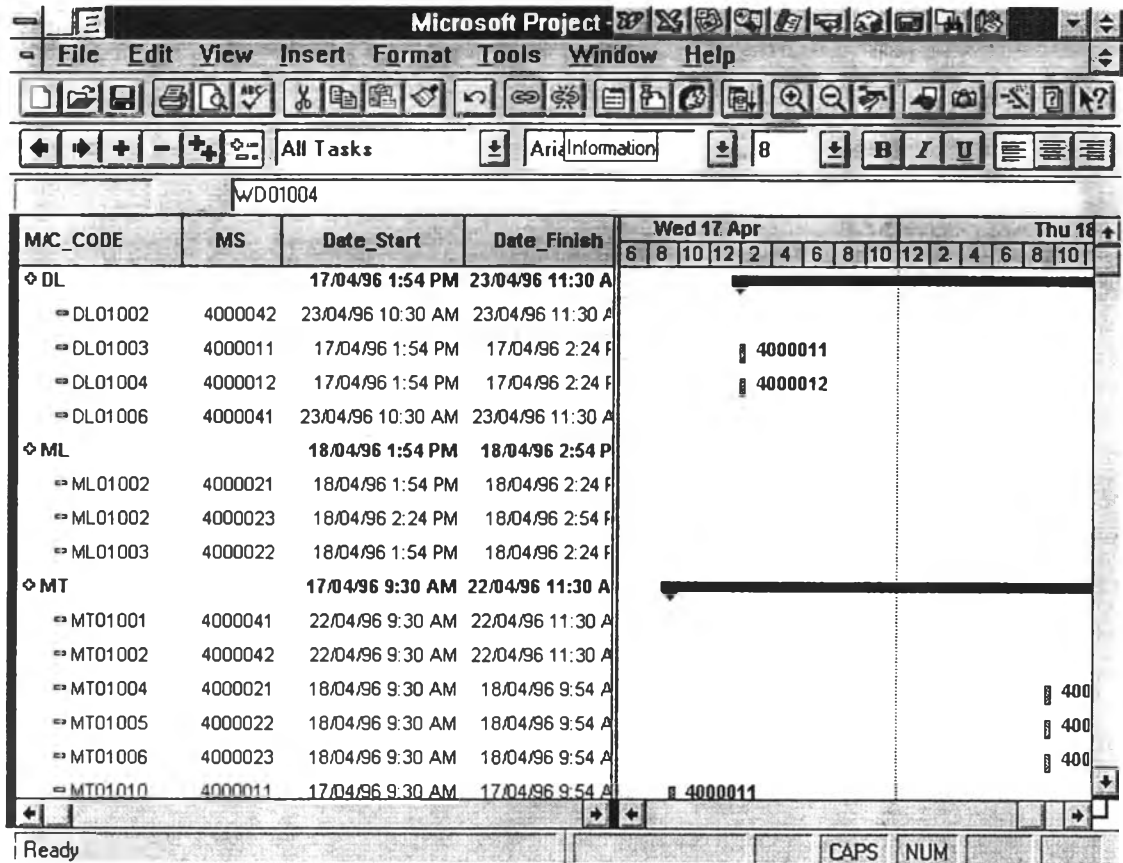
รูปที่ 6.45 แสดงการปรับด้วยปุ่ม Outdent



รูปที่ 6.46 แสดงหน้าจอที่ปรับแต่งตามทะเบียนงานแล้ว

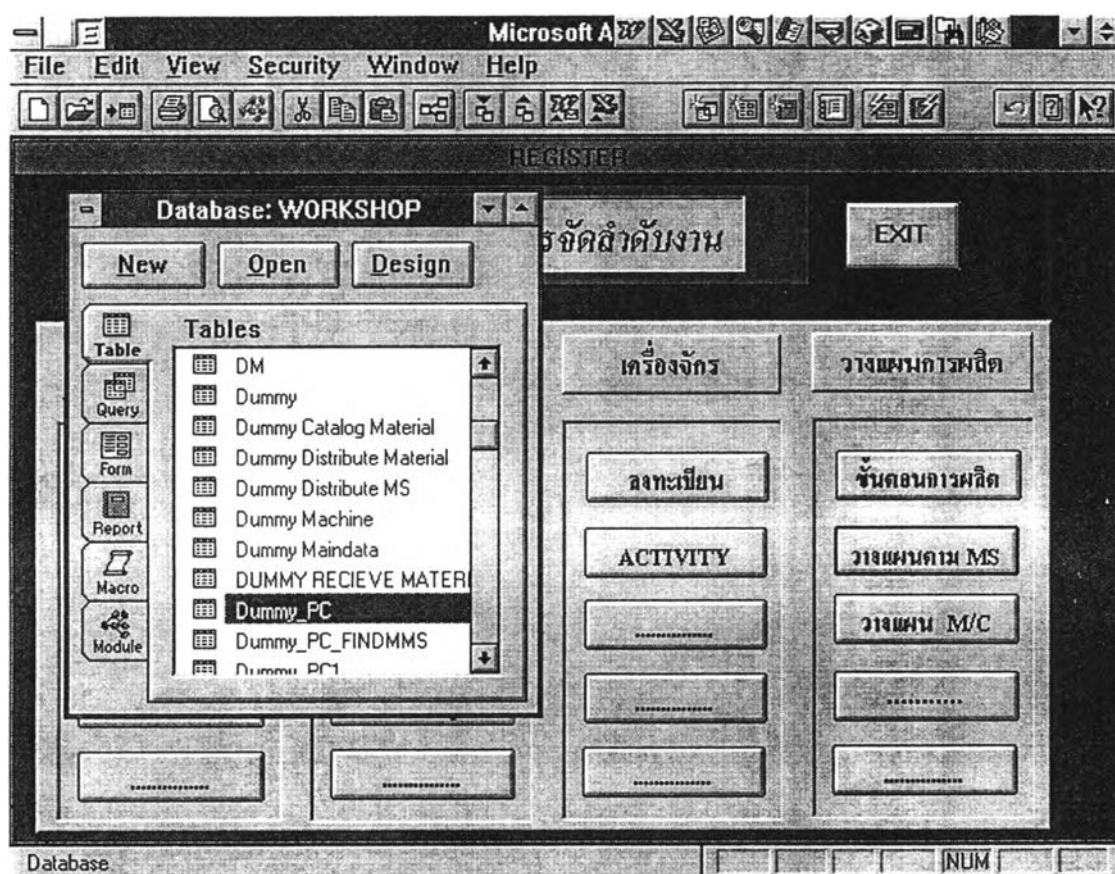


รูปที่ 6.47 แสดงข้อมูลแผนตามเครื่องจักรที่เข้า Microsoft Project



รูปที่ 6.48 แสดงหน้าจอที่ปรับแต่งตามแผนเครื่องจักรแล้ว

ในการปรับทันกาล ( Update ) ของข้อมูลการดำเนินการจะต้องเข้าไปในตาราง ( Table ) ของ Microsoft Access โดย Click Mouse ที่ Window จนถึงเมนูของ Database WORKSHOP ดังรูปที่ 6.34 แล้วเลือกที่ Table ดังแสดงในรูปที่ 6.49



รูปที่ 6.50 แสดงเมนูของ Table

การปรับข้อมูลต้องทำในข้อมูล HOUR ของตาราง Dummy\_PC และข้อมูล Date\_finish, DUMMYDATE ของตาราง Machine เมื่อทำการปรับข้อมูลแล้วจากนั้นจึงจะกดปุ่ม WORK รายวันในรูปที่ 6.24

Microsoft Access REGISTER

File Edit View Format Records Window Help

Table: Dummy\_PC

Date order	Date RE	MS	Step	MSS	M/C	HOUR	Date Start
22/04/1996		0 4000041	1	400004	MT	2	22/04/1996 9:30:00
22/04/1996		0 4000042	1	400004	MT	2	22/04/1996 9:30:00
22/04/1996		0 4000041	2	400004	WD	6	
22/04/1996		0 4000042	2	400004	WD	6	
22/04/1996		0 4000041	3	400004	DL	1	
22/04/1996		0 4000042	3	400004	DL	1	
18/04/1996		0 4000023	3	400002	ML	0.5	
18/04/1996		0 4000021	1	400002	MT	0.4	18/04/1996 9:30:00
18/04/1996		0 4000022	1	400002	MT	0.4	18/04/1996 9:30:00
18/04/1996		0 4000023	1	400002	MT	0.4	18/04/1996 9:30:00
18/04/1996		0 4000021	2	400002	WD	3	
18/04/1996		0 4000022	2	400002	WD	3	
18/04/1996		0 4000023	2	400002	WD	3	
18/04/1996		0 4000021	3	400002	ML	0.5	
18/04/1996		0 4000022	3	400002	ML	0.5	
17/04/1996		0 4000011	1	400001	MT	0.4	17/04/1996 9:30:00
17/04/1996		0 4000012	1	400001	MT	0.4	17/04/1996 9:30:00
17/04/1996		0 4000011	2	400001	WD	3	

Record: 1 of 22

Datasheet View

รูปที่ 6.51 แสดงหน้าจอเมื่อเปิดข้อมูลของ Dummy\_PC



Microsoft Access

File Edit View Format Records Window Help

Table: Machine

N	M/C COI	MS	DATE start	Date finish	DUMMYDATE
AS01001				14/09/1995 3:00:00 PM	11/09/1995 11:35:00 AM
AS01002				18/09/1995 10:48:00 AM	18/09/1995 10:48:00 AM
AS01003				14/09/1995 3:20:00 PM	
AS01004				20/09/1995 10:22:00 AM	11/09/1995 8:45:00 AM
AS01005				20/09/1995 8:46:00 AM	04/09/1995 11:30:00 AM
BR01001	3807301		19/09/1995 2:00:00 PM	22/09/1995 4:20:00 PM	
CS01001					
DL01001				19/09/1995 1:36:00 PM	28/08/1995 9:24:00 AM
DL01002				19/09/1995 10:50:00 AM	28/08/1995 9:24:00 AM
DL01003				18/09/1995 9:56:00 AM	18/09/1995 9:56:00 AM
DL01004				18/09/1995 9:56:00 AM	18/09/1995 9:56:00 AM
DL01005	3708781		17/08/1995 9:30:00 AM	19/10/1995 11:30:00 AM	19/10/1995 11:30:00 AM
DL01006				18/09/1995 11:45:00 AM	18/09/1995 11:45:00 AM
FM01001	3800321		20/09/1995 8:42:00 AM	22/09/1995 10:42:00 AM	11/09/1995 10:30:00 AM
GC01002				19/09/1995 10:30:00 AM	11/09/1995 9:54:00 AM
GC01003				19/09/1995 10:30:00 AM	11/09/1995 8:44:00 AM
GF01001				20/09/1995 1:54:00 PM	11/09/1995 1:01:00 PM
GH01001				08/09/1995 9:40:00 AM	04/09/1995 11:00:00 AM
GH01003					

Record: 1 of 81

Datasheet View

รูปที่ 6.52 แสดงหน้าจอเมื่อเปิดข้อมูลของ Machine

## ภาคผนวก จ

ชั่วโมงการทำงานเครื่องจักรรวมตั้งแต่วันที่ 17/08/1995 ถึง 21/09/1995  
โดยใช้การจัดลำดับงานในโปรแกรม

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**ชั่วโมงการทำงานเครื่องจักรรวม**

03-Jan-96

ระหว่างวันที่ 17/08/1995

ถึง 21/09/1995

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รหัสเครื่องจักร	ชั่วโมงการทำงานรวม
AS-01-001	36.504
AS-01-002	50.504
AS-01-003	35
AS-01-004	30.208
AS-01-005	29.004
BR-01-001	23.5
DL-01-001	25.8334
DL-01-002	23.0167
DL-01-003	18.65
DL-01-004	20.3167
DL-01-006	25.2334
FM-01-001	88.2507
GC-01-002	137.8666
GC-01-003	133.6313
GF-01-001	51.9998
GH-01-001	99.999
GR-01-001	10.998
GT-01-001	95.999
ML-01-001	146.1852
ML-01-002	140.3845
ML-01-003	152.2265
MT-01-001	135.0748
MT-01-002	39.9167
MT-01-003	143.6521
MT-01-004	149.9471

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รหัสเครื่องจักร	ชั่วโมงการทำงานรวม
MT-01-005	144.7131
MT-01-006	140.4801
MT-01-007	156.0167
MT-01-008	66.0167
MT-01-009	51.5167
MT-01-010	142.2041
MT-01-011	149.4808
MT-01-012	17.4994
MT-01-013	141.4524
MT-01-014	141.0194
PC-01-001	44.5
PU-01-001	15
PU-01-002	16
PU-01-003	4.5
PU-01-004	5.5
PU-01-005	10
PU-01-006	3.5
QA-01-001	44.1528
QA-01-002	49.6695
QA-01-003	44.2778
QA-01-004	44.6182
RO-01-001	116
RO-01-002	4
RO-01-003	106.9998
SH-01-001	83
SH-01-002	135.5
SH-01-003	158.0003
SP-01-002	47.502
SV-01-001	13.9995
TB-01-001	87.001

รหัสเครื่องจักร	ชั่วโมงการทำงานรวม
VT-01-001	149
WD-01-001	25.9
WD-01-002	29.2
WD-01-003	21.9
WD-01-004	34.6
WD-01-005	12.6333
WD-01-006	53.3583
WD-01-007	46.8
WD-01-008	57.375
WD-01-009	56.1333
WD-01-010	28.0333
WD-01-011	25.8583
WD-01-012	28.5333
WD-01-013	45.7746
WD-01-014	69.6913
WD-01-015	18.05
WD-01-016	52.9
WD-01-017	11.8833
WD-01-018	50.5
WD-01-019	20.0416

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**ชั่วโมงการทำงานเครื่องจักรรวม**

03-Jan-96

ระหว่างวันที่ 17/08/1995

ถึง 21/09/1995

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รหัสเครื่องจักร	ชั่วโมงการทำงานรวม
AS	181.22
BR	23.5
DL	113.0502
FM	88.2507
GC	271.4979
GF	51.9998
GH	99.999
GR	10.998
GT	95.999
ML	438.7962
MT	1618.99010000001
PC	44.5
PU	54.5
QA	182.7183
RO	226.9998
SH	376.5003
SP	47.502
SV	13.9995
TB	87.001
VT	149
WD	689.1656



ภาคผนวก ฉ

ขีดจำกัดของเครื่องจักรในแผนกโรงงาน 1



M/C COD	W Min	W Max	L Min	L Max	H Min	H Max	Weigh Min	Weigh Max
AS01001	0	0	0	0	0	0	0	0
AS01002	0	0	0	0	0	0	0	0
AS01003	0	0	0	0	0	0	0	0
AS01004	0	0	0	0	0	0	0	0
AS01005	0	0	0	0	0	0	0	0
BR01001	0	1100	0	1450	0	0	0	0
CS01001	150	1600	150	1600	0	3	0	0
DL01001	0	13	0	13	0	0	0	0
DL01002	0	13	0	13	0	0	0	0
DL01003	0	13	0	13	0	0	0	0
DL01004	0	13	0	13	0	0	0	0
DL01005	0	70	0	70	0	0	0	0
DL01006	0	25	0	25	0	0	0	0
FM01001	0	0	0	0	0	0	0	220000
GC01002	0	0	0	0	0	0	0	0
GC01003	0	0	0	0	0	0	0	0
GF01001	0	550	0	1200	0	500	0	0
GH01001	0	500	0	500	0	300	0	0
GH01003	0	350	0	350	0	300	0	0
GR01001	0	150	0	500	0	150	0	0
GS01002	0	350	0	350	0	300	0	0
GT01001	0	0	0	0	0	0	0	0
ML01001	0	250	0	700	0	400	0	0
ML01002	0	470	0	1240	0	500	0	0
ML01003	0	800	0	3000	0	1200	0	0
MT01001	0	330	0	1600	0	330	0	0
MT01002	0	425	0	2100	0	425	0	0
MT01003	0	425	0	2100	0	425	0	0
MT01004	0	425	0	2100	0	425	0	0
MT01005	0	445	0	2100	0	445	0	0
MT01006	0	500	0	2100	0	500	0	0
MT01007	0	500	0	2100	0	500	0	0
MT01008	0	450	0	2100	0	450	0	0
MT01009	0	440	0	2100	0	440	0	0
MT01010	0	440	0	2100	0	440	0	0
MT01011	0	440	0	2100	0	440	0	0
MT01012	0	440	0	2100	0	440	0	0
MT01013	0	440	0	2100	0	440	0	0
MT01014	0	490	0	2100	0	490	0	0
PC01001	150	1600	150	1600	0	0	0	0
PU01001	0	0	0	0	0	0	0	100000
PU01002	0	0	0	0	0	0	0	250000
PU01003	0	0	0	0	0	0	0	100000
PU01004	0	0	0	0	0	0	0	100000
PU01005	0	0	0	0	0	0	0	100000
PU01006	0	0	0	0	0	0	0	100000
QA01001	0	0	0	0	0	0	0	0
QA01002	0	0	0	0	0	0	0	0
QA01003	0	0	0	0	0	0	0	0
QA01004	0	0	0	0	0	0	0	0
RO01001	0	1275	0	0	0	3.2	0	0
RO01002	0	1275	0	0	3.3	35	0	0
RO01003	0	1275	0	0	0	3.2	0	0
SH01001	0	1550	0	0	0	3	0	0
SH01002	0	3100	0	0	0	13	0	0
SH01003	0	1500	0	0	0	3.5	0	0
SH01004	0	800	0	0	0	1.5	0	0

M/C COD	W Min	W Max	L Min	L Max	H Min	H Max	Weigh Min	Weigh Max
SP01002	0	500	0	500	0	300	0	0
SV01001	0	1200	0	1200	0	700	0	0
TB01001	12.7	125	0	0	12.7	125	0	0
VT01001	0	1499	0	1499	0	500	0	0
WD01001	1	1	1	1	1	1	0	0
WD01002	1	1	1	1	1	1	0	0
WD01003	1	1	1	1	1	1	0	0
WD01004	2	2	2	2	2	2	0	0
WD01005	2	2	2	2	2	2	0	0
WD01006	2	2	2	2	2	2	0	0
WD01007	2	2	2	2	2	2	0	0
WD01008	2	2	2	2	2	2	0	0
WD01009	2	2	2	2	2	2	0	0
WD01010	2	2	2	2	2	2	0	0
WD01011	2	2	2	2	2	2	0	0
WD01012	2	2	2	2	2	2	0	0
WD01013	2	2	2	2	2	2	0	0
WD01014	2	2	2	2	2	2	0	0
WD01015	2	2	2	2	2	2	0	0
WD01016	2	2	2	2	2	2	0	0
WD01017	2	2	2	2	2	2	0	0
WD01018	2	2	2	2	2	2	0	0
WD01019	2	2	2	2	2	2	0	0
WD01020	3	3	3	3	3	3	0	0

ภาคผนวก ช

ชุดคำสั่งโปรแกรมการจัดลำดับงาน

```

Function Distribute_MS () 'Save Data Activity To Dummy_PC
Dim MyDB As Database, Mytable As Recordset
Dim Mytable1 As Recordset
Set MyDB = DBEngine.Workspaces(0).Databases(0)
Set Mytable = MyDB.OpenRecordset("Dummy Distribute MS", DB_OPEN_TABLE)
' Open table.
Set Mytable1 = MyDB.OpenRecordset("Dummy_PC", DB_OPEN_TABLE) ' Open table.
DoCmd OpenQuery "Append Dummy Distribute MS TO Machine Hour"
k = 0
k = Forms![Form Procedure Contral]![quantity]
KK = Forms![Form Procedure Contral]![Priority]
Ddate_order = Forms![Form Procedure Contral]![Date_order]
Ddate_require = Forms![Form Procedure Contral]![Date_require]
Ddate_re = CDBl(Date_require)
Mytable.MoveFirst
Do Until Mytable.eof
    DMS = Mytable("MS")
    Dact = Mytable("M/C")
    Dstep = Mytable("step")
    Dhour = Mytable("hour")
    OT_19 = Mytable("OT19")
    OT_22 = Mytable("OT22")
    W = Mytable("WIDE")
    L = Mytable("LENGTH")
    h = Mytable("HIGH")
    Weigh = Mytable("Weigh")
    R = Mytable("RPM")
    N = 0
    j = 0
    For Rep = 1 To k Step 1 ' Set up five repetitions.
        j = 1 + N
        Mytable1.AddNew
        Mytable1("MSS") = DMS
        Mytable1("MS") = DMS + Trim(Str(j))
        Mytable1("M/C") = Dact
        Mytable1("Priority") = KK
        Mytable1("step") = Dstep
        Mytable1("hour") = Dhour
        Mytable1("Date_order") = Ddate_order
        Mytable1("Date_require") = Ddate_require
        Mytable1("Date_RE") = Ddate_re
        Mytable1("OT19") = OT_19
        Mytable1("OT22") = OT_22
        Mytable1("WIDE") = W
        Mytable1("LENGTH") = L
        Mytable1("HIGH") = h
        Mytable1("Weigh") = Weigh
        Mytable1("RPM") = R
        If Mytable1("step") = 1 Then
            Mytable1("Date_Start") = (#09:30:00#) + Forms![Form Procedure Contral]![Date_order]
        End If
        Mytable1.Update
        N = N + 1
    Next Rep
    Mytable.MoveNext
Loop

```

```
----- DELETE Dummy Distribute MS-----  
    Mytable.MoveFirst  
    Do Until Mytable.eof  
        Mytable.Delete  
        Mytable.MoveNext  
    Loop  
-----  
Mytable1.MoveLast  
Mytable1.Edit  
Mytable1("Status_update") = True  
Mytable1.Update  
Forms![Form Procedure Contral].Refresh  
Mytable.Close  
Mytable1.Close  
End Function
```

```

Function Distribute_MS_SIM ()
Dim MyDB As Database, Mytable As Recordset
Dim Mytable1 As Recordset
Set MyDB = DBEngine.Workspaces(0).Databases(0)
Set Mytable = MyDB.OpenRecordset("Dummy Distribute MS", DB_OPEN_TABLE)
' Open table.
Set Mytable1 = MyDB.OpenRecordset("Dummy_PC1", DB_OPEN_TABLE)      ' Open ta
ble.
k = 0
k = Forms![Form Procedure Contral]![quantity]
KK = Forms![Form Procedure Contral]![Priority]
Ddate_order = Forms![Form Procedure Contral]![Date_order]
Ddate_require = Forms![Form Procedure Contral]![Date_require]
Ddate_re = CDBl(Date_require)
Mytable.MoveFirst
Do Until Mytable.eof
    DMS = Mytable("MS")
    Dact = Mytable("M/C")
    Dstep = Mytable("step")
    Dhour = Mytable("hour")
    OT_19 = Mytable("OT19")
    OT_22 = Mytable("OT22")
    W = Mytable("WIDE")
    L = Mytable("LENGTH")
    h = Mytable("HIGH")
    Weigh = Mytable("Weigh")
    R = Mytable("RPM")
    N = 0
    j = 0
    For Rep = 1 To k Step 1      ' Set up five repetitions.
        j = 1 + N
        Mytable1.AddNew
        Mytable1("MSS") = DMS
        Mytable1("MS") = DMS + Trim(Str(j))
        Mytable1("M/C") = Dact
        Mytable1("Priority") = KK
        Mytable1("step") = Dstep
        Mytable1("hour") = Dhour
        Mytable1("Date_order") = Ddate_order
        Mytable1("Date_require") = Ddate_require
        Mytable1("Date_RE") = Ddate_re
        Mytable1("OT19") = OT_19
        Mytable1("OT22") = OT_22
        Mytable1("WIDE") = W
        Mytable1("LENGTH") = L
        Mytable1("HIGH") = h
        Mytable1("Weigh") = Weigh
        Mytable1("RPM") = R
        If Mytable1("step") = 1 Then
            Mytable1("Date_Start") = Forms![Form Procedure Contral]![Date_ord
er] + (#09:30:00#)
            End If
            Mytable1.Update
            N = N + 1
        Next Rep
        Mytable.MoveNext
    Loop
Mytable1.MoveLast

```

```
Mytable1.Edit  
Mytable1("Status_update") = True  
Mytable1.Update  
Mytable.Close  
Mytable1.Close  
  
End Function
```



```

Function Edit_Day () 'Edit Day For Dummy_PC
Dim MyDB As Database, Mytable As Recordset
Dim Mytable1 As Recordset, Mytable2 As Recordset
Set MyDB = DBEngine.Workspaces(0).Databases(0)
Set Mytable = MyDB.OpenRecordset("Dummy_PC", DB_OPEN_TABLE) ' Open table.
Set Mytable1 = MyDB.OpenRecordset("Edit Activity Time Of MS", DB_OPEN_TABLE) ' Open table.
Set Mytable2 = MyDB.OpenRecordset("Maindata", DB_OPEN_TABLE) ' Open table.
Date = Forms![Form Edit Actity Time MS]![Date Edit]
DummyMS = Mytable1("MS")
Mytable.MoveFirst
Do Until Mytable.eof
    If Mytable("MSS") = DummyMS Then
        Mytable.Edit
        Mytable("Date_Require") = Date
        Mytable.Update
    End If
    Mytable.MoveNext
Loop
Mytable2.MoveFirst
Do Until Mytable2.eof
    If Mytable2("MS") = DummyMS Then
        Mytable2.Edit
        Mytable2("Date_Require") = Date
        Mytable2.Update
    End If
    Mytable2.MoveNext
Loop
DoCmd OpenQuery ("Delete Table Edit Actity time of MS")
Mytable.Close
Mytable1.Close
Mytable2.Close
End Function

```

```
Function Edit_OT ()
Dim MyDB As Database, Mytable As Recordset, Mytable1 As Recordset
Set MyDB = DBEngine.Workspaces(0).Databases(0)
Set Mytable = MyDB.OpenRecordset("Dummy_PC", DB_OPEN_TABLE) ' Open table.
Set Mytable1 = MyDB.OpenRecordset("Edit Activity Time Of MS", DB_OPEN_TABLE) ' Open table.
Mytable1.MoveFirst
Do Until Mytable1.eof
    Mytable.MoveFirst
    Do Until Mytable.eof
        If Mytable("MSS") = Mytable1("MS") Then
            Mytable.Edit
            Mytable("Date_Require") = Mytable1("Date_Require")
            Mytable.Update
            If Mytable("M/C") = Mytable1("M/C") Then
                Mytable.Edit
                Mytable("OT19") = Mytable1("OT19")
                Mytable("OT22") = Mytable1("OT22")
                Mytable.Update
            End If
        End If
        Mytable.MoveNext
    Loop
    Mytable1.MoveNext
Loop
Mytable.Close
Mytable1.Close
End Function
```

```

Function EDIt_TIME ()
Dim MyDB As Database, Mytable As Recordset
Dim Mytable1 As Recordset, Mytable2 As Recordset
Set MyDB = DBEngine.Workspaces(0).Databases(0)
Set Mytable = MyDB.OpenRecordset("Dummy_PC1", DB_OPEN_TABLE)      ' Open table.
Set Mytable1 = MyDB.OpenRecordset("Edit Activity Time Of MS", DB_OPEN_TABLE)
' Open table.
Set Mytable2 = MyDB.OpenRecordset("Dummy Distribute MS", DB_OPEN_TABLE)
' Open table.
DummyMS = Mytable1("MS")
Mytable.MoveFirst
Do Until Mytable.eof
    If Mytable("MSS") = DummyMS Then
        x = 1
        Mytable1.MoveFirst
        Do Until Mytable1.eof
            If Mytable1("M/C") = Mytable("M/C") Then
                x = 0
            End If
            Mytable1.MoveNext
        Loop
    End If
    If x = 1 Then
        Mytable1.AddNew
        Mytable1("MS") = Mytable("MSS")
        Mytable1("Date_Require") = Mytable("Date_Require")
        Mytable1("M/C") = Mytable("M/C")
        Mytable1("OT19") = Mytable("OT19")
        Mytable1("OT22") = Mytable("OT22")
        Mytable1.Update
    End If
    Mytable.MoveNext
Loop
If Mytable2("MS") <> DummyMS Then
    Mytable.Close
    Mytable1.Close
    Mytable2.Close
    DoCmd RunMacro ("simu.Simulation Open Form E.A.")
Else
    Mytable.Close
    Mytable1.Close
    Mytable2.Close
    DoCmd OpenQuery ("Delete Table Edit Actity Time of MS")
End If

End Function

```

```

Function MS_Finish_Simulation ()
Dim MyDB As Database, Mytable As Recordset, Mytable1 As Recordset
Dim Mytable2 As Recordset, Mytable3 As Recordset
Dim Act As String * 9, steps As String * 1
Dim DummyMS, Dummy As String * 10
Dim MyMark, MyMark1 As String
Set MyDB = DBEngine.Workspaces(0).Databases(0)
Set Mytable = MyDB.OpenRecordset("Dummy_PC_FindMMS", DB_OPEN_TABLE)      ' O
open table.
Set Mytable1 = MyDB.OpenRecordset("Machine SIM", DB_OPEN_TABLE)        ' Open
table.
Set Mytable2 = MyDB.OpenRecordset("HOLIDAY", DB_OPEN_TABLE)           ' Open tabl
e.
Set Mytable3 = MyDB.OpenRecordset("Machine Gang Charts", DB_OPEN_TABLE)
' Open table.
Dummysms = Trim(Forms![Form MS Finish Simulation]![Box_MS])
'-----Check MS in Dummy_PC-----
DMS = " "
DMS = DLookup("[Date_Require]", "Dummy_PC", "trim([MSS])=" & Trim(Dummysms)
)
If DMS <> " " Then
Else
    DoCmd RunMacro "Warning.Warning Form MS Finish Simulation"
    Exit Function
End If
DoCmd RunMacro "simu.Simulation Dummy"
Do
'-----seek MSS-----
If Dummysms = Null Then
    Exit Do
End If
DateF = " "
DateF = DLookup("[MSS]", "Dummy_PC_FindMMS", "Trim([MSS])=" & Trim(Dummysms)
s))
KK = 0
If DateF <> " " Then ' If record was found.
    KK = 1
End If
If KK <> 1 Then
    Exit Do
End If
'-----Time-----
    DummyTime = #9999-12-31#
    Mytable1.MoveFirst
    Do Until Mytable1.eof
        If Mytable1("Status") = True And Mytable1("Status_Machine")
= True Then
            If Mytable1("Date_Finish") < DummyTime Then
                DummyTime = Mytable1("Date_Finish")
            End If
        End If
        Mytable1.MoveNext
    Loop
' End of loop.
'-----Clear Machine Vacancy-----
    Blank = Null
    Mytable1.MoveFirst
    Do Until Mytable1.eof

```



```

End If
-----
Mytable1.Edit
Mytable1("MS") = DummyMS
Mytable1("MSS") = Mytable("MSS")
If Mytable1("Date_Finish") > Mytable("Date_Start") Then
    Mytable.Edit
    Mytable("Date_Start") = Mytable1("Date_Finish")
    Mytable.Update
End If
Ddate_start = Mytable("Date_Start")
'-----Calculate Interval Time-----
A = Cdbl(Ddate_start)
B = Cdbl(CLng(Ddate_start))
DY = CSng(A - B)
If DY < 0 Then
    DY = CSng(A - B) + 1
End If
D = 0
h = 0
M = 0
j = 0
'-----CHECK MACHINE TIME MINUTE OR HOUR-----
Dtime = Machine_Hour - Int(Machine_Hour)
'---Minute---
If Dtime <> 0 Then
'-----DO MINUTE OT-----
    If Mytable("OT19") Or Mytable("OT22") = True
Then
        M = CLng(DY / Cdbl(#00:01:00#))
        Do Until j >= CLng(Machine_Hour * 60)
            M = M + 1
            If M > 720 And M < 780 Then
                M = M + 60
            End If
            If M = 720 Then
                M = M + 60
            End If
            If Mytable("OT19") = True Then
                If M > 1110 Then
                    M = 511
                    D = D + 1
                End If
            End If
            If Mytable("OT22") = True Then
                If M > 1290 Then
                    M = 511
                    D = D + 1
                End If
            End If
            j = j + 1
        Loop
        h = M / 60
    Else
'-----DO MINUTE Regular-----
        M = CLng(DY / Cdbl(#00:01:00#))
        Do Until j >= CLng(Machine_Hour * 60)
            M = M + 1

```

```

        If M > 720 And M < 780 Then
            M = M + 60
        End If
        If M = 720 Then
            M = M + 60
        End If
        If M > 990 Then
            M = 511
            D = D + 1
        End If
        j = j + 1
    Loop
    h = M / 60
End If
Else '-Hour--
    If Mytable("OT19") Or Mytable("OT22") = True
Then '--DO HOUR OT--
        h = DY * 24
        Do Until j >= Machine_Hour
            h = h + 1
            If h > 12 And h < 13 Then
                h = h + 1
            End If
            If h = 12 Then
                h = h + 1
            End If
            'If H = 16 Then
            ' H = 9
            ' D = D + 1
            'End If
            If Mytable("OT19") = True Then
                If h > 18.5 Then
                    h = 8.5 + (h - 18.5)
                    D = D + 1
                End If
            End If
            If Mytable("OT22") = True Then
                If h > 21.5 Then
                    h = 8.5 + (h - 21.5)
                    D = D + 1
                End If
            End If
            j = j + 1
        Loop
    Else '-DO HOUR Regular-
        h = DY * 24
        Do Until j >= Machine_Hour
            h = h + 1
            If h > 12 And h < 13 Then
                h = h + 1
            End If
            If h = 12 Then
                h = h + 1
            End If
            'If H = 16 Then
            ' H = 9
            ' D = D + 1
            'End If

```

```

                If h > 16.5 Then
                    h = 8.5 + (h - 16.5)
                    D = D + 1
                End If
                j = j + 1
            Loop
        End If
        End If
        Date_Finish = A + D + (h / 24) - DY
        Mytable1("Date_start") = CVDate(A)
        Mytable1("Date_Finish") = CVDate(Date_Finish)
        Mytable1("Status") = True
        Mytable1.Update
'-----HOLIDAY-----
Add = 0
If Mytable1("Date_Start") <> " " And Mytable1("Status_Hol
") = False Then
    HA = CDBl(Mytable1("date_Finish"))
    HB = CDBl(CLng(Mytable1("date_Finish")))
    HDY = CSng(HA - HB)
    If HDY < 0 Then
        HDY = CSng(HA - HB) + 1
    End If
    Finish = CDBl(Mytable1("Date_Finish"))
    RD = Int(CDBl(Mytable1("Date_Finish"))) - Int(CDBl(Myt
able1("Date_Start")))
    Start = Int(CDBl(Mytable1("date_start")))
    For k = 1 To RD
        Start = Start + 1
        Mytable2.MoveFirst
        Do Until Mytable2.eof
            If Int(CDBl(Mytable2("date_holiday"))) = Start
Then
                Add = 1
                Start = Start + 1
            End If
            Mytable2.MoveNext
        Loop
    Next k
    If Add = 1 Then
        Mytable1.Edit
        Mytable1("Date_Finish") = CVDate(Start + HDY)
        Mytable1("dummydate") = CDBl(Mytable1("Date_Finish"
))
        Mytable1("Status_Hol") = True
        Mytable1.Update
    End If
End If
'-----Machine gantt charts-----
II = II + 1
Mytable3.AddNew
Mytable3("ID") = II
Mytable3("M/C_Code") = Mytable1("M/C_Code")
Mytable3("Date_Start") = Mytable1("Date_Start")
Mytable3("Date_Finish") = Mytable1("Date_Finish")
Mytable3("MS") = Mytable1("MS")
Mytable3("MSS") = Mytable1("MSS")
Mytable3("Status_Update") = Mytable1("Status_Update")

```



```

Mytable3("HOUR") = Mytable("HOUR")
Mytable3.Update

----- CLEAR STEP -----
MyMark = Mytable.Bookmark
Mytable.MoveFirst
Do Until Mytable.eof
    If Mytable("ms") = DummyMS Then
        Mytable.Edit
        Mytable("step") = Mytable("step") - 1
        Mytable("Date_Start") = Mytable1("Date_Finish")
        'Mytable("status") = True
        Mytable.Update
    End If
Mytable.MoveNext
Loop 'do clear
Mytable.Bookmark = MyMark
    If Mytable("STEP") = 0 Then
        Mytable.Delete
    End If
Exit Do 'if it was found exit
-----
    End If 'Find M/C
End If
Mytable1.MoveNext
Loop
-----
End If 'END Step

Mytable.MoveNext
Loop' End of loop.
End If
Loop
Mytable3.MoveFirst
Do Until Mytable3.eof
    If Mytable3("MSS") = Dummymms And Mytable3("Status_Update") = True Then
        DF = Mytable3("Date_Finish")
    End If
    Mytable3.MoveNext
Loop
Mytable.Close           ' Close table.
Mytable1.Close          ' Close table.
Mytable2.Close          ' Close table.
Mytable3.Close          ' Close table.
Forms![Form MS Finish Simulation]![Date_Finish] = DF
Forms![Form MS Finish Simulation]![Date_require] = DLookup(" [Date_Require] "
, "Maindata ", "left(trim([MS]),6)=" & Trim(Dummymms))
End Function

```

```

Function Simulation_Machine ()
Dim MyDB As Database, Mytable1 As Recordset, Mytable2 As Recordset
Dim Mytable3 As Recordset, Mytable4 As Recordset
Dim Act As String * 9, steps As String * 1
Dim DummyTime, Dummy As String * 10
Dim MyMark, MyMark1 As String
Set MyDB = DBEngine.Workspaces(0).Databases(0)
Set Mytable1 = MyDB.OpenRecordset("Dummy_PC_FindMMS", DB_OPEN_TABLE)      '
Open table.
Set Mytable2 = MyDB.OpenRecordset("Machine SIM", DB_OPEN_TABLE)          ' Open
table.
Set Mytable3 = MyDB.OpenRecordset("HOLIDAY", DB_OPEN_TABLE)              ' Open tabl
e.
Set Mytable4 = MyDB.OpenRecordset("Machine Gang Charts", DB_OPEN_TABLE)
' Open table.
DummyTimes = Forms![Form Working Machine Charts]![DATE_start]
DummyTimef = Forms![Form Working Machine Charts]![Date_Finish]
DoCmd RunMacro "simu.Simulation Dummy"
Do

'-----Check Time For Start-----
    k = 0
    pb = 0
    Mytable2.MoveFirst
    Do Until Mytable2.eof
        If Mytable2("Date_Finish") <= DummyTimef And Mytable2("Status_Machine
") = True And Mytable2("Status") = True Then '----IF1
            k = 1
            End If
            If Mytable2("Status") = True Then
                pb = 1
            End If
        Mytable2.MoveNext
    Loop
    If pb = 1 Then
        If k <> 1 Then
            Exit Do
        End If
    End If

'-----Dummytime-----
    DummyTime = #9999-12-31#
    Mytable2.MoveFirst
    Do Until Mytable2.eof
        If Mytable2("Status") = True And Mytable2("Status_Machine") = True Th
en
            If Mytable2("date_finish") < DummyTime Then
                DummyTime = Mytable2("Date_finish")
            End If
        End If
        Mytable2.MoveNext
    Loop
' End of loop.

'-----Clear Machine Vacancy-----
'         Blank = Null
'         Mytable2.MoveFirst
'         Do Until Mytable2.eof
'             If Mytable2("date_finish") <= DummyTime And Mytable2("Statu
s") = True Then

```

```

'
'           Mytable2.Edit
'           Mytable2("Date_Start") = Blank
'           Mytable2("Status") = False
'           Mytable2("Status_Hol") = False
'           Mytable2("MS") = Blank
'           Mytable2.Update ' Save changes.
'
'           End If
'           Mytable2.MoveNext
'           Loop
'           ' End of loop.
'-----OPERATE-----
Mytable1.MoveFirst
If Trim(Mytable1("date_re")) = 2598465 Then
Exit Do
End If
Do Until Mytable1.eof
If Mytable1("Step") = 1 Then
'-----Variable Of Dummy_PC-----
Act = Mytable1("M/C")
W = Mytable1("Wide")
L = Mytable1("Length")
H1 = Mytable1("High")
Weigh = Mytable1("Weigh")
RPM = Mytable1("RPM")
steps = Mytable1("Step")
DummyMS = Trim(Mytable1("MS"))
Machine_Hour = Mytable1("Hour")
'-----Clear Machine Vacancy-----
Blank = Null
Mytable2.MoveFirst
Do Until Mytable2.eof
If Mytable2("date_finish") <= DummyTime And Mytable2("Status
_Machine") = True And Mytable2("Status") = True Then
Mytable2.Edit
Mytable2("Date_Start") = Blank
Mytable2("Status") = False
Mytable2("Status_Hol") = False
Mytable2("MS") = Blank
Mytable2.Update ' Save changes.
End If
Mytable2.MoveNext
Loop
' End of loop.
'----- Find M/C Vacancy -----
'-----
Mytable2.index = "Date_Finish"
Mytable2.MoveFirst
Do Until Mytable2.eof
If Act = Left(Mytable2("M/C_CODE"), 2) And Mytable2("Status_Ma
chine") = True And Mytable2("Status") = False Then
Wn1 = Mytable2("W_MIN")
Wm1 = Mytable2("W_MAX")
Ln1 = Mytable2("L_MIN")
Lm1 = Mytable2("L_MAX")
Hn1 = Mytable2("H_MIN")
Hm1 = Mytable2("H_MAX")
Weighn1 = Mytable2("Weigh_MIN")
Weighm1 = Mytable2("Weigh_MAX")
RPMn1 = Mytable2("RPM_MIN")

```

```

RPMm1 = Mytable2("RPM_MAX")
If Act = Left(Mytable2("M/C_CODE"), 2) And Mytable2("Status_M
achine") = True And Mytable2("Status") = False And (W >= Wn1 And W <= Wm1)
And (L >= Ln1 And L <= Lm1) And (H1 >= Hn1 And H1 <= Hm1) And (Weigh >= Wei
ghn1 And Weigh <= Weighm1) And (RPM >= RPMn1 And RPM <= RPMm1) Then 'IF2
'-----CHECK MS IN MACHINE SIM-----
x = " "
x = DLookup("[MS]", "Machine sim", "Trim([MS])=" & Trim(D
ummyMS))

If x <> " " Then
Exit Do 'Exit Mytable
End If

'-----
Mytable2.Edit
Mytable2("MS") = DummyMS
Mytable2("MSS") = Mytable1("MSS")
If Mytable2("Date_Finish") > Mytable1("Date_Start") Then
Mytable1.Edit
Mytable1("Date_Start") = Mytable2("Date_Finish")
Mytable1.Update
End If
Ddate_start = Mytable1("Date_Start")
'-----Calculate Interval Time-----
A = CDBl(Ddate_start)
B = CDBl(CLng(Ddate_start))
DY = CSng(A - B)
If DY < 0 Then
DY = CSng(A - B) + 1
End If
D = 0
h = 0
M = 0
j = 0
'-----CHECK MACHINE TIME MINUTE OR HOUR-----
Dtime = Machine_Hour - Int(Machine_Hour)
'--Minute---
If Dtime <> 0 Then
'-----DO MINUTE OT-----
If Mytable1("OT19") Or Mytable1("OT22") = Tru
e Then

M = CLng(DY / CDBl(#00:01:00#))
Do Until j >= CLng(Machine_Hour * 60)
M = M + 1
If M > 720 And M < 780 Then
M = M + 60
End If
If M = 720 Then
M = M + 60
End If
If Mytable1("OT19") = True Then
If M > 1110 Then
M = 511
D = D + 1
End If
End If
If Mytable1("OT22") = True Then
If M > 1290 Then
M = 511

```

```

                D = D + 1
            End If
        End If
        j = j + 1
    Loop
    h = M / 60
Else
    !-----DO MINUTE Regular-----
    M = CLng(DY / CDBl(#00:01:00#))
    Do Until j >= CLng(Machine_Hour * 60)
        M = M + 1
        If M > 720 And M < 780 Then
            M = M + 60
        End If
        If M = 720 Then
            M = M + 60
        End If
        If M > 990 Then
            M = 511
            D = D + 1
        End If
        j = j + 1
    Loop
    h = M / 60
End If
Else '-Hour--
    If Mytable1("OT19") Or Mytable1("OT22") = True
e Then '--DO HOUR OT--
        h = DY * 24
        Do Until j >= Machine_Hour
            h = h + 1
            If h > 12 And h < 13 Then
                h = h + 1
            End If
            If h = 12 Then
                h = h + 1
            End If
            If Mytable1("OT19") = True Then
                If h >= 18.5 Then
                    h = 8.5 + (h - 18.5)
                    D = D + 1
                End If
            End If
            If Mytable1("OT22") = True Then
                If h >= 21.5 Then
                    h = 8.5 + (h - 21.5)
                    D = D + 1
                End If
            End If
            j = j + 1
        Loop
    Else '-DO HOUR Regular-
        h = DY * 24
        Do Until j >= Machine_Hour
            h = h + 1
            If h > 12 And h < 13 Then
                h = h + 1
            End If

```

```

        If h = 12 Then
            h = h + 1
        End If
        If h >= 16.5 Then
            h = 8.5 + (h - 16.5)
            D = D + 1
        End If
        j = j + 1
    Loop
    End If
    End If
    Date_Finish = A + D + (h / 24) - DY
'-----Date_Start-----
    AA = A - CLng(A)
    If AA < 0 Then
        AA = AA + 1
    End If
    If Mytable1("OT19") = False And Mytable1("OT22") = False
Then
        If AA > CDbl(#16:30:00#) Then
            A = A - AA + 1 + CDbl(#08:30:00#)
        End If
    End If
    If Mytable1("OT19") = True Then
        If AA > CDbl(#18:30:00#) Then
            A = A - AA + 1 + CDbl(#08:30:00#)
        End If
    End If
'-----
    Mytable2("Date_start") = CDate(A)
    Mytable2("Date_Finish") = CDate(Date_Finish)
    Mytable2("Status") = True
    Mytable2.Update
'-----HOLIDAY-----
    Add = 0
    If Mytable2("Date_Start") <> " " And Mytable2("Status_Hol
") = False Then
        HA = CDbl(Mytable2("date_Finish"))
        HB = CDbl(CLng(Mytable2("date_Finish")))
        HDY = CSng(HA - HB)
        If HDY < 0 Then
            HDY = CSng(HA - HB) + 1
        End If
        Finish = CDbl(Mytable2("Date_Finish"))
        RD = Int(CDbl(Mytable2("Date_Finish"))) - Int(CDbl(Myt
able2("Date_Start")))
        Start = Int(CDbl(Mytable2("date_start")))
        For k = 1 To RD
            Start = Start + 1
            Mytable3.MoveFirst
            Do Until Mytable3.eof
                If Int(CDbl(Mytable3("date_holiday"))) = Start
Then
                    Add = 1
                    Start = Start + 1
                End If
                Mytable3.MoveNext
            Loop

```

```

Next k
If Add = 1 Then
  Mytable2.Edit
  Mytable2("Date_Finish") = CDate(Start + HDY)
  Mytable2("dummydate") = CDate(Mytable2("Date_Finish")

))

  Mytable2("Status_Hol") = True
  Mytable2.Update
End If
End If
-----Machine gantt charts-----
If Mytable2("Date_Finish") >= DummyTimes Then
  If Mytable2("Status") = True Then
    II = II + 1
    Mytable4.AddNew
    Mytable4("ID") = II
    Mytable4("M/C_Code") = Mytable2("M/C_Code")
    Mytable4("Date_Start") = Mytable2("Date_Start")
    Mytable4("Date_Finish") = Mytable2("Date_Finish")
    Mytable4("MS") = Mytable2("MS")
    Mytable4("MSS") = Mytable2("MSS")
    Mytable4.Update
  End If
End If
----- CLEAR STEP -----
MyMark = Mytable1.Bookmark
Mytable1.MoveFirst
Do Until Mytable1.eof
  If Mytable1("ms") = DummyMS Then
    Mytable1.Edit
    Mytable1("step") = Mytable1("step") - 1
    Mytable1("Date_Start") = Mytable2("Date_Finish")
    Mytable1("status") = True
    Mytable1.Update
  End If
  Mytable1.MoveNext
Loop 'do clear
Mytable1.Bookmark = MyMark
If Mytable1("STEP") = 0 Then
  Mytable1.Delete
End If

-----
Exit Do 'if it was found exit
End If 'Find M/C
End If
Mytable2.MoveNext
Loop
-----
End If 'END IF2
Mytable1.MoveNext
Loop' End of loop.
'End If'-----date_re<>2599847-----
'Exit Do
Loop
-----
Mytable1.Close ' Close table.
Mytable2.Close ' Close table.

```

```
Mytable3.Close      ' Close table.  
Mytable4.Close      ' Close table.  
End Function
```



```

Sub subtt (ms, Finish, Require, Priority, Exit_Function)
Const MB_OK = 0, MB_OKCANCEL = 1      ' Define buttons.
Const MB_YESNOCANCEL = 3, MB_YESNO = 4
Const MB_ICONSTOP = 16, MB_ICONQUESTION = 32      ' Define icons.
Const MB_ICONEXCLAMATION = 48, MB_ICONINFORMATION = 64
Const MB_DEFBUTTON2 = 256, IDYES = 6, IDNO = 7      ' Define other.
Title = "ÓÁÏ§;ÕÃ·Ó§Ò"
Msg1 = " ·Ðà°ÕÃ¹§Ò¹ : "
Msg2 = "
ÇÑ¹·ÕèµéÍ§;ÕÃ : "
Msg3 = "          ÇÑ¹·ÕèàÊÃç" : "
Msg4 = "Priority: "
Msg = Msg1 & ms & Msg2 & Require & Msg3 & Finish & Msg4 & Priority
DgDef = MB_YESNO + MB_ICONSTOP + MB_DEFBUTTON2      ' Describe dialog box.
Response = MsgBox(Msg, DgDef, Title)      ' Get user response.
If Response = IDYES Then      ' Evaluate response
    Msg = "You chose Yes."      ' and take appropriate
Else      ' action.
    Msg = "You chose No or pressed Enter."
    Exit_Function = 1
End If
MsgBox Msg          ' Display action taken.
End Sub

```

```

Function transfer_data_PC ()
Dim MyDB As Database, Mytable As Recordset, Mytable1 As Recordset
Set MyDB = DBEngine.Workspaces(0).Databases(0)
Set Mytable = MyDB.OpenRecordset("Dummy Distribute MS", DB_OPEN_TABLE)
' Open table.
Set Mytable1 = MyDB.OpenRecordset("Machin Hour", DB_OPEN_TABLE)      ' Open
table.
DummyMS = Forms![Form Procedure Contral]![MS]
DMS = Forms![Form Procedure1]![MS]
Date_O = DLookup("[Date_Order]", "Maindata", "left([MS],6)=" & Trim(CStr(DM
S)))
Date_R = DLookup("[Date_Require]", "Maindata", "left([MS],6)=" & Trim(CStr(
DMS)))
Mytable1.index = "Step"
Mytable1.MoveFirst
Do Until Mytable1.eof
    If Mytable1("MS") = DMS Then
        Mytable.AddNew
        Mytable("MS") = DummyMS
        Mytable("M/C") = Mytable1("Codename")
        Mytable("Hour") = Mytable1("Machine_Hour")
        Mytable("Step") = Mytable1("step")
        Mytable("Date_Order") = Date_O
        Mytable("Date_Require") = Date_R
        Mytable("WIDE") = Mytable1("WIDE")
        Mytable("LENGTH") = Mytable1("LENGHT")
        Mytable("HIGH") = Mytable1("HIGH")
        Mytable("WEIGH") = Mytable1("WEIGH")
        Mytable("RPM") = Mytable1("RPM")

        Mytable.Update
    End If
    Mytable1.MoveNext
Loop
Forms![Form Procedure Contral].Refresh
Mytable.Close
Mytable1.Close
End Function

```

```

Function Work_Dayly ()
Dim MyDB As Database, Mytable1 As Recordset, Mytable2 As Recordset
Dim Mytable3 As Recordset, Mytable4 As Recordset
Dim Act As String * 9, steps As String * 1
Dim DummyMS, Dummy As String * 10
Dim MyMark, MyMark1 As String
Set MyDB = DBEngine.Workspaces(0).Databases(0)
Set Mytable1 = MyDB.OpenRecordset("Dummy_PC1", DB_OPEN_TABLE)      ' Open ta
ble.
Set Mytable2 = MyDB.OpenRecordset("Machine", DB_OPEN_TABLE)      ' Open tabl
e.
Set Mytable3 = MyDB.OpenRecordset("HOLIDAY", DB_OPEN_TABLE)      ' Open tabl
e.
Set Mytable4 = MyDB.OpenRecordset("Hour Machine", DB_OPEN_TABLE)      ' Open
table.
DoCmd RunMacro "Tranfer Data.Tranfer Data DummyPC1"
Do
'-----Check Time For Start-----
    k = 0
    pb = 0
    Mytable2.MoveFirst
    Do Until Mytable2.eof
        If Mytable2("Date_Finish") <= Forms![Form Procedure Contral]![Date_or
der] And Mytable2("Status") = True Then '----IF1
            k = 1
            End If
            If Mytable2("Status") = True Then
                pb = 1
            End If
        Mytable2.MoveNext
    Loop
    If pb = 1 Then
        If k <> 1 Then
            Exit Do
        End If
    End If
'-----Dummytime-----
    DummyTime = Forms![Form Procedure Contral]![Date_order]
    Mytable2.MoveFirst
    Do Until Mytable2.eof
        If Mytable2("Status") = True Then
            If Mytable2("date_finish") < DummyTime Then
                DummyTime = Mytable2("Date_finish")
            End If
        End If
        Mytable2.MoveNext
    Loop
' End of loop.
'-----OPERATE-----
    Mytable1.MoveFirst
    If Trim(Mytable1("date_re")) = 2598465 Then
        Exit Do
    End If
    Do Until Mytable1.eof
        If Mytable1("Step") = 1 Then
'-----Variable Of Dummy_PC-----
            Act = Mytable1("M/C")
            W = Mytable1("Wide")

```

```

L = Mytable1("Length")
H1 = Mytable1("High")
Weigh = Mytable1("Weigh")
RPM = Mytable1("RPM")
steps = Mytable1("Step")
DummyMS = Trim(Mytable1("MS"))
Machine_Hour = Mytable1("Hour")
'-----Clear Machine Vacancy-----
Blank = Null
Mytable2.MoveFirst
Do Until Mytable2.eof
    If Mytable2("Status_Machine") = True And Mytable2("Status")
= True Then
        'Do
        'Loop
        If (Mytable2("date_finish") < DummyTime) Or (Mytable2("date_finish") = DummyTime) Then
            Mytable2.Edit
            Mytable2("Date_Start") = Blank
            Mytable2("Status") = False
            Mytable2("Status_Hol") = False
            Mytable2("MS") = Blank
            Mytable2.Update ' Save changes.
        End If
    End If
    Mytable2.MoveNext
Loop ' End of loop.
'----- Find M/C Vacancy -----
-----
Mytable2.index = "Date_Finish"
Mytable2.MoveFirst
Do Until Mytable2.eof
    If Act = Left(Mytable2("M/C_CODE"), 2) And Mytable2("Status_Machine") = True And Mytable2("Status") = False Then
        Wn1 = Mytable2("W_MIN")
        Wm1 = Mytable2("W_MAX")
        Ln1 = Mytable2("L_MIN")
        Lm1 = Mytable2("L_MAX")
        Hn1 = Mytable2("H_MIN")
        Hm1 = Mytable2("H_MAX")
        'Do
        'Loop
        Weighn1 = Mytable2("Weigh_MIN")
        Weighm1 = Mytable2("Weigh_MAX")
        RPMn1 = Mytable2("RPM_MIN")
        RPMm1 = Mytable2("RPM_MAX")
        If Act = Left(Mytable2("M/C_CODE"), 2) And Mytable2("Status_Machine") = True And Mytable2("Status") = False And (W >= Wn1 And W <= Wm1) And (L >= Ln1 And L <= Lm1) And (H1 >= Hn1 And H1 <= Hm1) And (Weigh >= Weighn1 And Weigh <= Weighm1) And (RPM >= RPMn1 And RPM <= RPMm1) Then 'IF2
            '-----CHECK MS IN MACHINE -----
            x = " "
            x = DLookup("[MS]", "Machine", "Trim([MS])=" & Trim(DummyMS))
            If x <> " " Then
                Exit Do 'Exit Mytable
            End If
        End If
    End If
End Do
'-----

```

```

Mytable2.Edit
Mytable2("MS") = DummyMS
Mytable2("MSS") = Mytable1("MSS")
If Mytable2("Date_Finish") > Mytable1("Date_Start") Then
  Mytable1.Edit
  Mytable1("Date_Start") = Mytable2("Date_Finish")
  Mytable1.Update
End If
Ddate_start = Mytable1("Date_Start")
'-----Calculate Interval Time-----
A = CDb1(Ddate_start)
B = CDb1(CLng(Ddate_start))
DY = CSng(A - B)
If DY < 0 Then
  DY = CSng(A - B) + 1
End If
D = 0
h = 0
M = 0
j = 0
'-----CHECK MACHINE TIME MINUTE OR HOUR-----
Dtime = Machine_Hour - Int(Machine_Hour)
'--Minute---
If Dtime <> 0 Then
  '-----DO MINUTE OT-----
  If Mytable1("OT19") Or Mytable1("OT22") = True
    M = CLng(DY / CDb1(#00:01:00#))
    Do Until j >= CLng(Machine_Hour * 60)
      M = M + 1
      If M > 720 And M < 780 Then
        M = M + 60
      End If
      If M = 720 Then
        M = M + 60
      End If
      If Mytable1("OT19") = True Then
        If M > 1110 Then
          M = 511
          D = D + 1
        End If
      End If
      If Mytable1("OT22") = True Then
        If M > 1290 Then
          M = 511
          D = D + 1
        End If
      End If
      j = j + 1
    Loop
    h = M / 60
  Else
    '-----DO MINUTE Regular-----
    M = CLng(DY / CDb1(#00:01:00#))
    Do Until j >= CLng(Machine_Hour * 60)
      M = M + 1
      If M > 720 And M < 780 Then
        M = M + 60

```



e Then

```

End If
If M = 720 Then
    M = M + 60
End If
If M > 990 Then
    M = 511
    D = D + 1
End If
j = j + 1
Loop
h = M / 60
End If
Else '-Hour--
If Mytable1("OT19") Or Mytable1("OT22") = Tru
e Then '--DO HOUR OT--
    h = DY * 24
    Do Until j >= Machine_Hour
        h = h + 1
        If h > 12 And h < 13 Then
            h = h + 1
        End If
        If h = 12 Then
            h = h + 1
        End If
        'If H = 16 Then
        ' H = 9
        ' D = D + 1
        'End If
        If Mytable1("OT19") = True Then
            If h > 18.5 Then
                h = 8.5 + (h - 18.5)
                D = D + 1
            End If
        End If
        If Mytable1("OT22") = True Then
            If h > 21.5 Then
                h = 8.5 + (h - 21.5)
                D = D + 1
            End If
        End If
        j = j + 1
    Loop
Else '-DO HOUR Regular-
    h = DY * 24
    Do Until j >= Machine_Hour
        h = h + 1
        If h > 12 And h < 13 Then
            h = h + 1
        End If
        If h = 12 Then
            h = h + 1
        End If
        'If H = 16 Then
        ' H = 9
        ' D = D + 1
        'End If
        If h > 16.5 Then
            h = 8.5 + (h - 16.5)

```

```

                D = D + 1
            End If
            j = j + 1
        Loop
    End If
    End If
    Date_Finish = A + D + (h / 24) - DY
    Mytable2("Date_start") = CDate(A)
    Mytable2("Date_Finish") = CDate(Date_Finish)
    Mytable2("Status") = True
    Mytable2.Update
'-----HOLIDAY-----
    Add = 0
    If Mytable2("Date_Start") <> " " And Mytable2("Status_Hol
") = False Then
        HA = CDate(Mytable2("date_Finish"))
        HB = CDate(CLng(Mytable2("date_Finish")))
        HDY = CSng(HA - HB)
        If HDY < 0 Then
            HDY = CSng(HA - HB) + 1
        End If
        Finish = CDate(Mytable2("Date_Finish"))
        RD = Int(CDate(Mytable2("Date_Finish"))) - Int(CDate(Myt
able2("Date_Start")))
        Start = Int(CDate(Mytable2("date_start")))
        For k = 1 To RD
            Start = Start + 1
            Mytable3.MoveFirst
            Do Until Mytable3.eof
                If Int(CDate(Mytable3("date_holiday"))) = Start
Then
                    Add = 1
                    Start = Start + 1
                End If
                Mytable3.MoveNext
            Loop
        Next k
        If Add = 1 Then
            Mytable2.Edit
            Mytable2("Date_Finish") = CDate(Start + HDY)
            Mytable2("dummydate") = CDate(Mytable2("Date_Finish"
))

            Mytable2("Status_Hol") = True
            Mytable2.Update
        End If
    End If
'-----Machine gantt charts-----
    Mytable4.AddNew
    Mytable4("Hour") = Mytable1("HOUR")
    Mytable4("M/C_Code") = Mytable2("M/C_Code")
    Mytable4("Date_Start") = Mytable2("Date_Start")
    Mytable4("Date_Finish") = Mytable2("Date_Finish")
    Mytable4("MS") = Mytable2("MS")
    Mytable4("MSS") = Mytable2("MSS")
    Mytable4.Update
'----- CLEAR STEP -----
    MyMark = Mytable1.Bookmark
    Mytable1.MoveFirst

```

```

Do Until Mytable1.eof
  If Mytable1("ms") = DummyMS Then
    Mytable1.Edit
    Mytable1("step") = Mytable1("step") - 1
    Mytable1("Date_Start") = Mytable2("Date_Finish")
    'Mytable1("status") = True
    Mytable1.Update
  End If
  Mytable1.MoveNext
Loop 'do clear
Mytable1.Bookmark = MyMark
  If Mytable1("STEP") = 0 Then
    Mytable1.Delete
  End If

-----
      Exit Do 'if it was found exit
End If 'Find M/C
End If
Mytable2.MoveNext
Loop
-----
End If 'END IF2
Mytable1.MoveNext
Loop' End of loop.
'End If'-----date_re<>2599847-----
'Exit Do
Loop
Mytable1.Close      ' Close table.
Mytable2.Close      ' Close table.
Mytable3.Close      ' Close table.
DoCmd RunMacro "Tranfer Data.Tranfer Data DummyPC"
End Function

```



Option Compare Database 'Use database order for string comparisons

```
Function Recieve_Mat () 'Recieve Material
Dim MyDB As Database, Mytable As Recordset
Dim Mytable1 As Recordset
Set MyDB = DBEngine.Workspaces(0).Databases(0)
Set Mytable = MyDB.OpenRecordset("Recieve Material", DB_OPEN_TABLE) ' O
pen table.
a = Forms![Form Dummy Recieve Material]![MATERIAL_ID]
b = Forms![Form Dummy Recieve Material]![Recieve]
c = Forms![Form Dummy Recieve Material]![Date_Recieve]
'Do Until Mytable.eof1
'Loop
If a <> " " Then
    Mytable.AddNew
    Mytable("Material_ID") = a
    Mytable("Recieve") = b
    Mytable("Date_Recieve") = c
    Mytable.Update
End If
Mytable.Close
End Function
```

```
Function subrefresh ()
Forms![Form Procedure Contral].Refresh
End Function
```

```
Function TRANS_MAT_DATA ()
Dim MyDB As Database, Mytable As Recordset
Dim Mytable1 As Recordset
Set MyDB = DBEngine.Workspaces(0).Databases(0)
Set Mytable = MyDB.OpenRecordset("Dummy Distribute Material", DB_OPEN_TABLE
) ' Open table.
Set Mytable1 = MyDB.OpenRecordset("Issue Material", DB_OPEN_TABLE) ' Op
en table.
DMS = Forms![Form Procedure1]![MS]
DummyMS = Forms![Form Procedure Contral]![MS]
Mytable1.MoveFirst
Do Until Mytable1.eof
    If Mytable1("MS") = DMS Then
        Mytable.AddNew
        Mytable("MS") = DummyMS
        Mytable("Name_Mat") = Mytable1("Name_Mat")
        Mytable("Standard") = Mytable1("Standard")
        Mytable("MATERIAL_ID") = Mytable1("MATERIAL_ID")
        Mytable.Update
    End If
    Mytable1.MoveNext
Loop
Forms![Form Procedure Contral].Refresh
Mytable.Close
Mytable1.Close
End Function
```

```
Option Compare Database    'Use database order for string comparisons
```

```
Function clear_step ()
```

```
Forms![Form Procedure Contral]![SUB_PC].Form![Step].DefaultValue = 1
```

```
End Function
```

```
Function Count_Step ()
```

```
x = Forms![Form Procedure Contral]![SUB_PC].Form![Step]
```

```
Forms![Form Procedure Contral]![SUB_PC].Form![Step].DefaultValue = x + 1
```

```
End Function
```



### ประวัติผู้เขียน

นางสาวปวีณา หมีสมุทร เกิดเมื่อวันที่ 13 สิงหาคม พ.ศ. 2510 ที่จังหวัดกรุงเทพฯ -  
มหานคร สำเร็จการศึกษาระดับปริญญาตรี เกียรตินิยมอันดับสอง คณะวิศวกรรมศาสตร์  
ภาควิชาวิศวกรรมอุตสาหกรรม สถาบันเทคโนโลยีพระจอมเกล้าธนบุรี เมื่อปีการศึกษา 2532  
ได้เข้ารับการศึกษาระดับปริญญาโท สาขาวิศวกรรมศาสตร์ ภาควิชาวิศวกรรมอุตสาหกรรม  
ที่จุฬาลงกรณ์มหาวิทยาลัย เมื่อปีการศึกษา 2535