Full-Time Turnover Report YTD 3/31/2012

	Begin Count	End Count	Ave# EE's	Termina-	% Term EE's	Retired	Resigna- tions	% Resigned	Total T/O	YTD T/O Rate
S&P										
Sales	631	630	631	5	0.8%	0	10	1.6%	15	2.4%
Marketing	45	46	46	1	2.2%	0	1	2.2%	2	4.4%
Sales Support	23	27	25	0	0.0%	1	0	0.0%	1	4.3%
Field Ops, Support & Admin	15	14	15	0	0.0%	0	2	13.3%	2	13.3%
Total S&P	714	717	716	6	0.8%	1	13	1.8%	20	2.8%
% of X-FTE's				30.0%		5.0%	65.0%			
G&A										
Administrative Services	34	34	34	0	0.0%	0	0	0.0%	O	0.0%
Business Development	7	7	7	0	0.0%	0	0	0.0%	O	0.0%
Corporate Compliance	9	10	10	0	0.0%	0	0	0.0%	0	0.0%
EHŜ	5	5	5	0	0.0%	0	0	0.0%	0	0.0%
Executive	11	11	11	0	0.0%	0	1	9.1%	1	9.1%
External Affairs	18	18	18	0	0.0%	0	0	0.0%	O	0.0%
Finance	60	59	60	0	0.0%	0	0	0.0%	0	0.0%
				Redacte						
Human Resources	23	23	23	0	0.0%	0	0	0.0%	0	0.0%
IT	92	95	94	0	0.0%	0	1	1.1%	1	1.1%
Procurement	13	13	13	0	0.0%	0	0	0.0%	0	0.0%
QA	24	29	27	0	0.0%	0	0	0.0%	0	0.0%
Security	16	16	16	0	0.0%	0	0	0.0%	0	0.0%
Total G&A	359	367	363	0	0.0%	0	2	0.6%	2	0.6%
% of X-FTE's				0.0%		0.0%	100.0%			
IRD/US										
Discovery	56	56	56	0	0.0%	0	0	0.0%	0	0.0%
Drug Safety & Pharma	36	35	36	0	0.0%	0	0	0.0%	0	0.0%
Health Policy	38	39	39	0	0.0%	0	0	0.0%	0	0.0%
Medical Research	75	84	80	0	0.0%	0	1	1.3%	1	1.3%
Nonclinical & R&D	47	50	49	0	0.0%	0	0	0.0%	0	0.0%
Project Management	22	13	18	0	0.0%	0	0	0.0%	0	0.0%
Regulatory Affairs	23	24	24	0	0.0%	0	0	0.0%	0	0.0%
Total IRD/US	297	301	299	0	0.0%	0	1	0.3%	1	0.3%
% of X-FTE's				0.0%		0.0%	100.0%			
MFG/OPERATIONS							2001070			
PF Labs Salaried	17	18	18	0	0.0%	0	0	0.0%	0	0.0%
PPMD	55	56	56	0	0.0%	0	0	0.0%	0	0.0%
Wilson NC	189	185	187	1	0.5%	1	7	3.7%	9	4.8%
Total MFG/OPERATIONS	261	259	260	1	0.4%	1	7	2.7%	9	3.4%
% of X-FTE's	201	437	200	11.1%	V1 /0	11.1%	77.8%	áus 1 / 9	,	J.4 /0
Fotal Purdue	1,631	1,644	1,638	7	0.4%	2	23	1.4%	32	2.0%
rotarr uruuc	1,031	1,044	1,000	'	V.4 /0	<u> </u>	43	1.4/0	34	4.0 /0
Rhodes Technologies	145	144	145	1	0.7%	0	1	0.7%	2	1.4%
Rhodes Pharma	22	26	24	0	0.0%	0	0	0.0%	0	0.0%
Total MFG/OPERATIONS	167	170	169	. 1	0.6%	0	-1	0.6%	2	1.2%
				50.0%		0.0%	50.0%			
Total Miami	4	5	5	0	0.0%	0	0	0.0%	0	0.0%
% of X-FTE's				0.0%		0.0%	0.0%			
Grand Total	1,802	1,819	1,811	8	0.4%	2	24	1.3%	34	1.9%
% of X-FTE's	1,000	2902/	19711	23.5%	VAL ZU	5.9%	70.6%	# # 5/ / LT	~	1.7 / 0
70 OJ A-F1E S				43.3/0		3.9/0	70.070			

-	Begin Count	Termina- tions	Retired	Resigna-	- TOTAL x-FTE's	End Count	March YTD Turnover % Rate	Est. Annual % Rate > 10%
Sales Force	463	5	0	4	9	459		
Sales Force	2	0	0	0	0	2		
Managed Care Sales	18	0	0	0	0	18		
Managed Health Strat	0	0	0	0	0	3		
National Accounts	7	0	0	0	0	7		
	490	5	0	4	9	489	2.4%	
Marketing	18	0	0	0	0	17		
Marketing - PP	3	0	0	0	0	3		
Creative Services	7	0	0	0	0	7		
FA & Market Research	14	0	0	0	0	15		
	42	0	0	0	0	42	4.4%	
Sales Operations	10	0	0	0	0	12		
Sales Training	13	0	0	0	0	13		
	23	0	0	0	0	25	4.3%	
Mgd Mkt Cont. & Ops	12	0	0	0	0	14		
	12	0	0	0	0	14	13.3%	
% of X-FTE's	567	5	0	4 44.4%	9	570	2.8%	

	Begin Count	Termina- tions	Retired	Resigna- tions	TOTAL x-FTE's		March YTD Turnover % Rate
Admin. Services	32	0	0	0	0	32	
	32	0	0	0	0	32	0.0%
Lic. & Bus. Dev.	7	0	0	0	0	7	
	7	0	0	0	0	7	0.0%
Corp. Compliance	7	0	0	0	0	8	
	7	0	0	0	0	8	0.0%
EHS - Corporate	5	0	0	0	0	5	
	5	0	0	0	0	5	0.0%
Ex. Admin	7	1	0	0	1	7	
Ex. Admin - RRS	1	0	0	0	0	1	
Ex. Admin - MDS	1	0	0	0	0	1	
Executive Administration-MDAS	1	1	0	0	1	0	
Ex. Admin - TE	5	0	0	0	0	5	
	15	2	0	0	2	14	9.1%
Public Affairs	4	0	0	0	0	4	
Fed. Gov't Affairs	2	0	0	0	0	2	
State Gov't Affairs	9	0	0	0	0	9	
	15	0	0	0	0	15	0.0%
Finance	53	1	0	0	1	54	
Finance	6	0	0	0	0	7	
	53	1	0	0	1	54	0.0%
DEA Compliance	2	0	0	0	0	2	
General Counsel	32	0	0	0	0	32	
Litigation Support	12	0	0	0	0	12	
Records Management	4	0	0	0	0	4	
Internal Audit	2	0	0	0	0	2	
	52	0	0	0	0	52	0.0%

			March YTD	Est. Annual
Begin Termina	- Retired	Resigna- TOTAL End	Turnover	% Rate
Count tions		tions x-FTE's Count	% Rate	> 10%

Begin Termina- Retired Resigna- TOTAL End Turnover % Rate
Count tions tions x-FTE's Count % Rate > 10%

Human Resources 21 0 0 0 21

	N	March YTD	Est. Annual
Begin Termina- Retired Resi	gna- TOTAL End	Turnover	% Rate
Count tions tio	ns x-FTE's Count	% Rate	> 10%

Begin Count		Retired	Resigna- tions	TOTAL End x-FTE's Count	March YTD Turnover % Rate	Est. Annual % Rate > 10%
21	0	0	0	0 21	0.0%	

			March YTD	Est. Annual
Begin Termina	- Retired	Resigna- TOTAL End	Turnover	% Rate
Count tions		tions x-FTE's Count	% Rate	> 10%

Begin Termina- RetiredResigna- TOTAL End CountTurnover tions% Rate % Rate11241444144424443444444456446664776687669876987611671176711777117772177731777417775177761777717778177791777117771177711777117771177711777117771177711777117771177

SAP Systems 21 1 0 0 1 20

Begin Termina- RetiredResigna- TOTAL End CountTurnover tions% Rate x-FTE's Count% Rate % Rate

IT Administration 7 0 0 0 0 7

Begin Termina- RetiredResigna- TOTAL End CountTurnover tions% Rate x-FTE's Count% Rate % Rate

5 0 0

0

0 5

IT Plan Cmpl & Res M

Begin Termina- RetiredResigna- TOTAL End CountTurnover tions% Rate x-FTE's Count% Rate % Rate

Sales & Mkt Sys 11 0 0 0 11

Begin Termina- RetiredResigna- TOTAL End CountTurnover tions% Rate x-FTE's Count% Rate % Rate

0 0

6

R&D Systems

6 0 0

Begin Termina- Retired Resigna- TOTAL End Turnover % Rate
Count tions tions x-FTE's Count % Rate > 10%

TSO Production 21 0 0 0 0 21

Begin Termina- RetiredResigna- TOTAL End CountTurnover tions% Rate % Rate11241444144414442444244434444444564466447644864486449764976441664416664166641666616666166661666616666166661666616666166661766617666176661766617666176661766617666

Client Services

6 0

0

0

6

Begin Termina- RetiredResigna- TOTAL End CountTurnover tions% Rate x-FTE's Count% Rate % Rate

9 0

0

0

IT Sec & Collab Svcs

						March YTD	Est. Annual
Begin	Termina-	Retired	Resigna-	TOTAL E	End	Turnover	% Rate
Count	tions		tions	x-FTE's C	ount	% Rate	> 10%

Begin Count	Termina- tions	Retired	Resigna- tions	TOTAL End x-FTE's Count	March YTD Turnover % Rate	Est. Annual % Rate > 10%
86	1	0	0	1 85	1.1%	

			March YTD	Est. Annual
Begin Termina	- Retired	Resigna- TOTAL End	Turnover	% Rate
Count tions		tions x-FTE's Count	% Rate	> 10%

Begin Count		Retired		FOTAL End x-FTE's Coun	Turnover	Est. Annual % Rate > 10%

15	0	0	0	0 15		

Corp. Procurement

						March YTD	Est. Annual
Begin	Termina-	Retired	Resigna-	TOTAL E	End	Turnover	% Rate
Count	tions		tions	x-FTE's C	ount	% Rate	> 10%

Begin Count		Retired	Resigna- tions	TOTAL End x-FTE's Count	March YTD Turnover % Rate	Est. Ann % Ra > 10%
15	0	0	0	0 15	0.0%	

			March YTD	Est. Annual
Begin Termina	- Retired	Resigna- TOTAL End	Turnover	% Rate
Count tions		tions x-FTE's Count	% Rate	> 10%

Begin Termina- RetiredResigna- TOTAL End CountTurnover tions% Rate % Rate11241444144414442444244434444444564466447644864486449764976441664416664166641666616666166661666616666166661666616666166661766617666176661766617666176661766617666

Corporate QA 14 0 0 0 14

Begin Termina- RetiredResigna- TOTAL End CountTurnover tions% Rate % Rate11241444144424443444444456446664776687669876987611671176711777117772177731777417775177761777717778177791777117771177711777117771177711777117771177711777117771177

RQA - Cranbury 4 0 0 0 0

Begin Termina- RetiredResigna- TOTAL End CountTurnover tions% Rate x-FTE's Count% Rate % Rate

RQA - Stamford 3 0 0 0 0 3

			March YTD	Est. Annual
Begin Termina	- Retired	Resigna- TOTAL End	Turnover	% Rate
Count tions		tions x-FTE's Count	% Rate	> 10%

Begin Count	Termina- tions	Retired	Resigna- tions	TOTAL End x-FTE's Count	March YTD Turnover % Rate	Est. Annual % Rate > 10%
21	0	0	0	0 21	0.0%	

		March YTD	Est. Annual
Begin Termina- Retired Resi	gna- TOTAL End	Turnover	% Rate
Count tions tio	ns x-FTE's Count	% Rate	> 10%

Begin Termina- RetiredResigna- TOTAL End CountTurnover tions% Rate x-FTE's Count% Rate % Rate

8 0

0

0

8

Security - Corporate

Security -Stamford $1 \quad 0 \quad 0 \quad 0 \quad 1$

Begin Termina- RetiredResigna- TOTAL End CountTurnover tions% Rate x-FTE's Count% Rate % Rate

LELE 6 0 0 0 6

		March YTD	Est. Annual
Begin Termina- Retired Resi	gna- TOTAL End	Turnover	% Rate
Count tions tio	ns x-FTE's Count	% Rate	> 10%

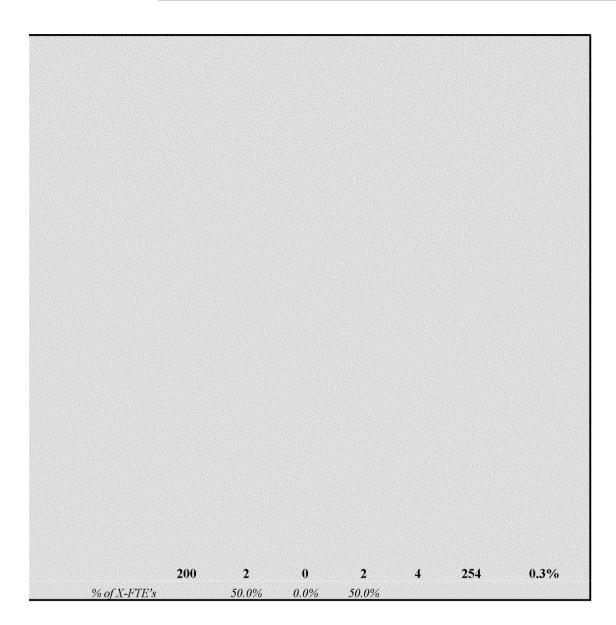
Begin Count		Retired	Resigna- tions	TOTAL End x-FTE's Count	March YTD Turnover % Rate	Est. Annual % Rate > 10%
15	0	0	0	0 15	0.0%	

March YTD Est. Annual Begin Termina- Retired Resigna- TOTAL End % Rate **Turnover** Count tions tions x-FTE's Count % Rate > 10% 344 4 0 0 344 0.6% 0.0% % of X-FTE's 100.0% 0.0%

-	Begin Count	Termina- tions	Retired	Resigna- tions	TOTAL x-FTE's	End Count	March YTD Turnover % Rate	Est. Anno % Rate > 10%
Discovery Admin.	37	0	0	0	0	38		
Cranbury Support	4	0	0	0	0	4		
Security - Discovery	1	0	0	0	0	1		
Cranbury Facilities	5	0	0	0	0	5		
	47	0	0	0	0	48	0.0%	
Drug Sfty. & Pharma	33	0	0	0	0	34		
	33	0	0	0	0	34	0.0%	
Health Policy	2	0	0	0	0	2		
Risk Management	8	0	0	0	0	7		
HC Ed. & Liaison Pro	11	0	0	0	0	11		
Library & Info Serv.	7	0	0	0	0	7		
Medical Services	8	0	0	0	0	8		
Med. Education	4	0	0	0	0	5		
	40	0	0	0	0	40	0.0%	
Medical Research	48	0	0	2	2	48		
Medical Research	5	0	0	0	0	5		
	53	0	0	2	2	53	1.3%	
PKDM/Toxicology	8	0	0	0	0	8		
Transderm Dev & Clin	6	0	0	0	0	6		
Transdermal Dev Pkg.	2	ő	0	0	0	2		
Pharmaceutics	9	0	0	0	0	10		
Analytics	16	2	0	0	2	14		
	41	2	0	0	2	40	0.0%	
Duaguam Masset	10	0	0	0	0	10		
Program Mgmt	19	0	0	0	0	19		
Program Mgmt	2	0	0	0	0	2		_
	21	0	0	0	0	21	0.0%	
US Reg. Affairs	18	0	0	0	0	18		
	18	0	0	0	0	18	0.0%	

R&D TURNOVER TREND January YTD 2010

						March YTD	Est. Annual
Begin	Termina-	Retired	Resigna-	TOTAL	End	Turnover	% Rate
Count	tions		tions	x-FTE's	Count	% Rate	> 10%



	Begin Count	Termina- tions	Retired	Resigna- tions	TOTAL x-FTE's	End Count	March YTD Turnover % Rate	Est. Annual % Rate > 10%
DEA Comp - Totowa	1	0	0	0	0	1		
Plant IT Sys - Tot	1	0	0	0	0	1		
Security - Totowa	1	0	0	0	0	1		
Logistics - Wilson	4	0	0	0	0	4		
Production - Totowa	2	0	0	0	0	2		
QC - Totowa	3	0	0	0	0	3		
QA - Totowa	2	0	0	0	0	2		
Prod Eng Totowa	3	0	0	0	0	3		
Mat. Mgmt - Totowa	1	0	0	0	0	1		
Plant Maint - Totowa	3	0	0	0	0	3		
Distrib Totowa	1	0	0	0	0	1		
	22	0	0	0	0	22	0.0%	1
	44	U	U	U	U	- 44	0.0%	
M&SC - Pkg Des & Dev	6	0	0	0	0	6		
M&SC - Admin	1	0	0	0	0	1		
M&SC - HR	1	0	0	0	0	1		
M&SC - Supplier Qual	17	0	0	1	1	17		
M&SC - IT SAP	7	0	0	0	0	7		
M&SC Plan & Compl	6	0	0	0	0	6		
M&SC - Tech Services	2	0	0	0	0	2		
M&SC - Supply Chain	13	0	0	0	0	13		
M&SC - cGMP Training	3	0	0	0	0	3		
M&SC - Cent Eng.	2	0	0	0	0	2		
								3
	58	0	0	1	1	58	0.0%	
Mfg - Wilson	29	0	0	0	0	30		
Pkg - Wilson	21	2	0	0	2	18		
Ex. Admin Wilson	7	0	0	0	0	7		
CSA Comp Wilson	12	0	0	0	0	13		
Plant IT Sys -Wilson	8	0	0	0	0	8		
HR - Wilson	2	0	0	0	0	2		
Security - Wilson	2	0	0	0	0	1		
Production - Wilson	11	0	0	0	0	11		
QC - Wilson	25	0	0	0	0	25		
QA - Wilson	28	0	0	0	0	28		
Plant Eng Wilson	7	0	0	0	0	7		
Plant Maint - Wilson	10	0	0	0	0	10		

March YTD Est. Annual % Rate

1

Begin Termina- Retired Resigna- TOTAL End Turnover tions x-FTE's Count Count tions % Rate > 10%

Distribution -Wilson 11 0 0 0 0 11

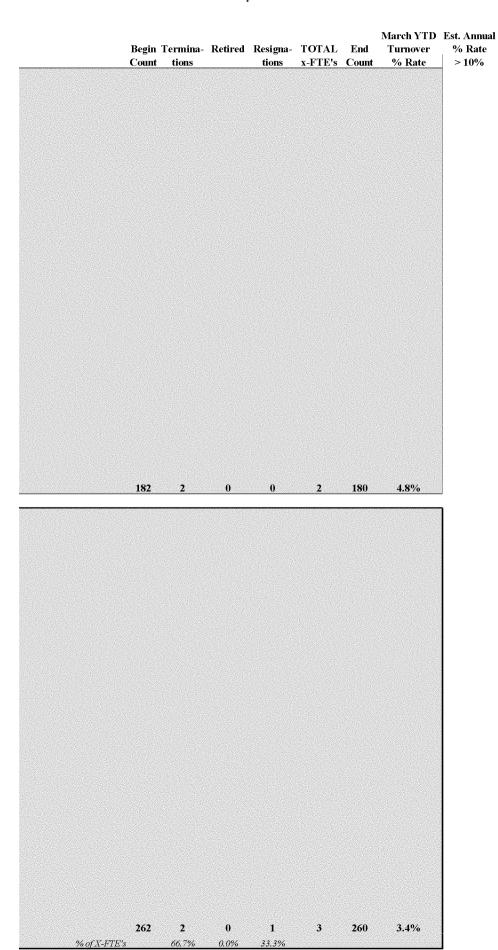
1 0 0 0

EHS - Wilson

Begin Termina- Retired Resigna- TOTAL End Turnover % Rate
Count tions tions 7 TOTAL Count March YTD Est. Annual
Turnover % Rate
> 10%

8

Pharm Tech-Wilson



RHODES TURNOVER TREND January YTD 2010

	Begin Count	Termina- tions	Retired	Resigna- tions	TOTAL x-FTE's	End Count	March YTD Turnover % Rate	Est. Annual % Rate > 10%
Mfg - Rhodes	30	0	0	0	0	30		
Ex. Admin Rhodes	7	0	0	0	0	7		
HR - Rhodes	3	0	0	0	0	3		
Prod Dev - Rhodes Ph	9	0	0	1	1	7		
Production - Rhodes	10	0	0	0	0	11		
QC - Rhodes	11	0	0	0	0	11		
Plant Eng Rhodes	15	0	0	0	0	15		
Mat Mangment -Rhodes	4	0	0	0	0	4		
Security - Rhodes	2	0	0	0	0	2		
EHS - Rhodes	4	0	0	0	0	3		
	95	0	0	1	1	93	1.4%	
Executive Admin RP	2	0	0	0	0	2		
Prod. Dev Rhodes	23	0	0	0	0	25		
QA - Rhodes	6	0	0	0	0	6		
Prod. Eng Rhodes	7	0	0	0	0	10		
Sales & Promo RP	1	0	0	0	0	3		
	39	0	0	0	0	46	#REF!	
	134	0	0	1	1	139	1.2%	
% of X-FTE	5	0.0%	0.0%	100.0%				

				7 1 dii 111110	 	
Department	Begin	Terms	RET	Resigned	End	
1901219	29				30	Mfg - Wilson
1901227	30				30	Mfg - Rhodes
1902219	21	2			18	Pkg - Wilson
2100208	7	1			7	Ex. Admin
2100219	7	-			7	Ex. Admin Wilson
2100250	2					Executive Admin RP
2100227	7					Ex. Admin Rhodes
2100504	5					Ex. Admin - TE
2102208	1					Ex. Admin - RRS
2103208	1					Ex. Admin - MDS
2105208	1	1				Executive Administration-MDAS
2130208	7	•			8	Corp. Compliance
2131208	2					DEA Compliance
2131219	12					CSA Comp Wilson
2131109	12				13	DEA Comp - Totowa
2153208	21	1			-	SAP Systems
2164208	6	<u> </u>			6	M&SC - Pkg Des & Dev
2180208	7				7	Lic. & Bus. Dev.
2183208	4					Public Affairs
2185409	'					
2187208	8					Security - Corporate
2188208	4					RQA - Cranbury
2190208	3					RQA - Stamford
2200208	14					Corporate QA
2201208	32					General Counsel
2202208	12				12	Litigation Support
2203409	4				4	Records Management
2250208	2				2	Internal Audit
	2					Fed. Gov't Affairs
2251208	9				9	State Gov't Affairs
2301208	53	1				Finance
2301415	6				7	Finance
2350208	15					Corp. Procurement
2400208	7				7	IT Administration
2400109	1				1	Plant IT Sys - Tot
2400219	8					Plant IT Sys -Wilson
2402208	5				5	IT Plan Cmpl & Res M
2404208	11				11	Sales & Mkt Sys
2408208	6				6	R&D Systems
2410208	21				21	TSO Production
2450208	6				6	Client Services
2460208	9				9	IT Sec & Collab Svcs
2500208	21				21	Human Resources
2500219	2				2	HR - Wilson
2500227	3				3	HR - Rhodes
2510208	32				32	Admin. Services

			rregulai	/ Full-Tillie	•	
2530409	1					Security -Stamford
2531409	1				,	
2532409	2					
2533409	2				2	
2539208	6				6	
2550409	5					
2901219	4					†
4010208	18				18	
4105208	37				38	
4107208	2				2	
4108208	8				-	
4109208	11				1.	
4110208	19				19	
4110241	2					
4160227	23				25	
4160250	9			1		
4232208	4			I		Cranbury Support
4300208	8					PKDM/Toxicology
4403409	1					<u> </u>
4422208	5					Cranbury Facilities
4500208	6					
4500241	2					Transdermal Dev Pkg.
4505208	9				10	-
4601208	7				-	
4713208						,
4713241	48			2	48	
4716208	5					
4718208 4718208	33				34	
4800208	8				3	
4900208	4					
6000109	16	2			14	
6000219	2				2	
6000227	11				11	
6100109	10				11	
6100219	3					QC - Totowa
	25				25	
6100227	11				11	
6200109	2				2	QA - Totowa
6200219	28				28	
6200227	6				(,
6300109	3					Prod Eng Totowa
6300227	7				10	+
6400219	7				7	+
6400227	15				15	
6500109	1				,	
6500227	4				4	Mat Mangment -Rhodes
6600109	3				3	Plant Maint - Totowa

6600219	10					10	Plant Maint - Wilson
6651409	1					1	EHS - Wilson
6652409	4					3	EHS - Rhodes
6700109	1					1	Distrib Totowa
6700219	11					11	Distribution - Wilson
6900219	8					8	Pharm Tech-Wilson
6950208	1					1	M&SC - Admin
6951208	1					1	M&SC - HR
6952208	17			1		17	M&SC - Supplier Qual
6953208	7					7	M&SC - IT SAP
6954208	6					6	M&SC Plan & Compl
6955208	2					2	M&SC - Tech Services
6959208	13					13	M&SC - Supply Chain
6962208	3					3	M&SC - cGMP Training
6967208	2					2	M&SC - Cent Eng.
8000208	18					17	Marketing
8000307	3					3	Marketing - PP
8075250	1					3	Sales & Promo RP
8100208	463	5		4		459	Sales Force
8100231	2					2	Sales Force
8110208	12					14	Mgd Mkt Cont. & Ops
8111208	18					18	Managed Care Sales
8130213	3					3	Miami Sales
8200208	7					7	Creative Services
8500208	10					12	Sales Operations
8510208	13					13	Sales Training
8601208	0						Managed Health Strat
8800208	14					15	FA & Market Research
8900208	7					7	National Accounts
TOTAL							
	1569	13	0	8	0	1577	
	total terms	21					
	total terris	۷۱					

		- an inite			
					Ĺ

				_

				_

				_

				_

				_

				_

				_

				_

				_

				_

				_

				_

1				

	l		I	
	l		I	
	I		I	
	I	I	I	
	l		I	
	l		I	
	l		I	
	l		I	
	I		I	
	I		I	
	I	I	I	
	I		I	
	l		I	
	I		I	
	I		I	
	I		I	
	I		I	
	I		I	
	l		I	
	I		I	
	l		I	
	I		I	
	I		I	
	l		I	
			1	
	I		I	
	I		I	
	l		I	
	I	I	I	
	l		I	
	I		I	
	I		I	
	l		I	
	I		I	
	l		I	
	I		I	
	I		I	
	I	I	I	
	l		I	
	l		I	
	I		I	
	l		I	
	l		I	

			1	

	l		I	
	l		I	
	I		I	
	I	I	I	
	l		I	
	l		I	
	l		I	
	l		I	
	I		I	
	I		I	
	I	I	I	
	I		I	
	l		I	
	I		I	
	I		I	
	I		I	
	I		I	
	I		I	
	l		I	
	I		I	
	l		I	
	I		I	
	I		I	
	l		I	
			1	
	I		I	
	I		I	
	l		I	
	I	I	I	
	l		I	
	I		I	
	I		I	
	l		I	
	I		I	
	l		I	
	I		I	
	I		I	
	I	I	I	
	l		I	
	l		I	
	I		I	
	l		I	
	l		I	

			1	

				_

				_

				_

				_

				_

				_

				_

	l			
	l			
	I		1	
	I	I	1	
	l			
	l			
	l			
	l			
	I	I	1	
	I		1	
	I		1	
	I		1	
	I		1	
	I		1	
	I		1	
	I		1	
	l			
	I		1	
	I		1	
	l			
	l			
	I		1	
	I		1	
	l			
	I		1	
	I		1	
	I	I	1	
	l			
	l			
	I		1	
	I		1	
	I		1	
	I		1	
	I		1	
	l			
	I		1	
	I		1	
	l			
 	l			

	l			
	l			
	I		1	
	I	I	1	
	l			
	l			
	l			
	l			
	I	I	1	
	I		1	
	I		1	
	I		1	
	I		1	
	I		1	
	I		1	
	I		1	
	l			
	I		1	
	I		1	
	l			
	l			
	I		1	
	I		1	
	l			
	I		1	
	I		1	
	I	I	1	
	l			
	l			
	I		1	
	I		1	
	I		1	
	I		1	
	I		1	
	l			
	I		1	
	I		1	
	l			
 	l			

				_

				_

				_

				_

	l			
	l			
	I		1	
	I	I	1	
	l			
	l			
	l			
	l			
	I	I	1	
	I		1	
	I		1	
	I		1	
	I		1	
	I		1	
	I		1	
	I		1	
	l			
	I		1	
	I		1	
	l			
	l			
	I		1	
	I		1	
	l			
	I		1	
	I		1	
	I	I	1	
	l			
	l			
	I		1	
	I		1	
	I		1	
	I		1	
	I		1	
	l			
	I		1	
	I		1	
	l			
 	l			

				_

				_

				_

				_

				_

	l			
	l			
	I		1	
	I	I	1	
	l			
	l			
	l			
	l			
	I	I	1	
	I		1	
	I		1	
	I		1	
	I		1	
	I		1	
	I		1	
	I		1	
	l			
	I		1	
	I		1	
	l			
	l			
	I		1	
	I		1	
	l			
	I		1	
	I		1	
	I	I	1	
	l			
	l			
	I		1	
	I		1	
	I		1	
	I		1	
	I		1	
	l			
	I		1	
	I		1	
	l			
 	l			

				_

				_

				_

				_

				_

	l			
	l			
	I		1	
	I	I	1	
	l			
	l			
	l			
	l			
	I	I	1	
	I		1	
	I		1	
	I		1	
	I		1	
	I		1	
	I		1	
	I		1	
	l			
	I		1	
	I		1	
	l			
	l			
	I		1	
	I		1	
	l			
	I		1	
	I		1	
	I	I	1	
	l			
	l			
	I		1	
	I		1	
	I		1	
	I		1	
	I		1	
	l			
	I		1	
	I		1	
	l			
 	l			

	l			
	l			
	I		1	
	I	I	1	
	l			
	l			
	l			
	l			
	I	I	1	
	I		1	
	I		1	
	I		1	
	I		1	
	I		1	
	I		1	
	I		1	
	l			
	I		1	
	I		1	
	l			
	l			
	I		1	
	I		1	
	l			
	I		1	
	I		1	
	I	I	1	
	l			
	l			
	I		1	
	I		1	
	I		1	
	I		1	
	I		1	
	l			
	I		1	
	I		1	
	l			
 	l			

				_

				_

				_

				_

				_

				_

		rtegulai 7	ruii-tiitie			

Page 82 of 378

		rregulai /	ruii-i iiiie			
						7.

Page 83 of 378

		Regulai /	ruii-i iiile			

Page 84 of 378

		- regular,			

4	 	 	 	 	 	 	

\neg		['		[I			Ϊ,	T 1	<u> </u>
	,	1 '		1	'		1	'	
	,	1 '		1	'		1	'	
	,	1	'		1	'	Ι ,	1	
	,	1	'		Ι '	'	I '	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	1
	,	1	'		1	'	Ι ,	1	1
	,	'	'			'	T ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	'	1 '		1		'	1	'	
	'	'						 '	
									ŗ

\neg		['	Γ '	[I			Ϊ,	T 1	<u> </u>
	,	1 '		1	'		1	'	
	,	1 '		1	'		1	'	
	,	1	'		1	'	Ι ,	1	1
	,	1	'		Ι '	'	I '	1	
	,	1	'		1	'	Ι ,	1	1
	,	1	'		1	'	Ι ,	1	1
	,	1	'		1	'	Ι ,	1	1
	,	1	'		1	'	Ι ,	1	1
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	1
	,	1	'		1	'	Ι ,	1	1
	,	1	'		1	'	Ι ,	1	1
	,	'	'			'	T ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	'	1 '		1		'	1	'	
	'	'						 '	
									ŗ

4	 	 	 	 	 	 	

'						

\neg		['	Γ '	[I			Ϊ,	T 1	<u> </u>
	,	1 '		1	'		1	'	
	,	1 '		1	'		1	'	
	,	1	'		1	'	Ι ,	1	1
	,	1	'		Ι '	'	I '	1	
	,	1	'		1	'	Ι ,	1	1
	,	1	'		1	'	Ι ,	1	1
	,	1	'		1	'	Ι ,	1	1
	,	1	'		1	'	Ι ,	1	1
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	1
	,	1	'		1	'	Ι ,	1	1
	,	1	'		1	'	Ι ,	1	1
	,	'	'			'	T ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	'	1 '		1		'	1	'	
	'	'						 '	
									ŗ

\neg		['	Γ '	[I			Ϊ,	T 1	<u> </u>
	,	1 '		1	'		1	'	
	,	1 '		1	'		1	'	
	,	1	'		1	'	Ι ,	1	1
	,	1	'		Ι '	'	I '	1	
	,	1	'		1	'	Ι ,	1	1
	,	1	'		1	'	Ι ,	1	1
	,	1	'		1	'	Ι ,	1	1
	,	1	'		1	'	Ι ,	1	1
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	'	'			'	T ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	'	1 '		1		'	1	'	
	'	'						 '	
									ŗ

'						

	1	1	1	1	1	'	1	1	1	1	
	1	1	1	1	1		1	1	1	1	
	1	1	1	1	1	'	1	1	1	1	
	1	1	1	1	1	'	1	1	1	1	
ı	1	1	1	1	1		1	1	1	1	
	1	1	1	1	1		1	1	1	1	
ı	1	1	1	1	1		1	1	1	1	
	1	1	1	1	1	'	1	1	1	1	
	1	1	1	1	1		1	1	1	1	
.	1	1	1	1	1		1	1	1	1	
	1	1	1	1	1	'	1	1	1	1	
	1	1	1	1	1	'	1	1	1	1	
	1	1	1	1	1		1	1	1	1	
	1	1	1	1	1	'	1	1	1	1	
	1	1	1	1	1		1	1	1	1	
	1	1	1	1	1		1	1	1	1	
	1	1	1	1	1		1	1	1	1	
i	1	1	1	1	1		1	1	1	1	
i	1	1	1	1	1		1	1	1	1	
	1	1	1	1	1		1	1	1	1	
i	1	1	1	1	1	'	1	1	1	1	
i	1	1	1	1	1		1	1	1	1	
	1	1	1	1	1	'	1	1	1	1	
i	1	1	1	1	1	'	1	1	1	1	
i	1	1	1	1	1	'	1	1	1	1	
i	1	1	1	1	1		1	1	1	1	
i	1	1	1	1	1		1	1	1	1	
i	1	1	1	1	1		1	1	1	1	
i	1	1	1	1	1		1	1	1	1	
i	1	1	1	1	1		1	1	1	1	
i	1	1	1	1	1	'	1	1	1	1	
i	1	1	1	1	1	'	1	1	1	1	
i	1	1	1	1	1	'	1	1	1	1	
i	1	1	1	1	1	'	1	1	1	1	
i	1	1	1	1	1	'	1	1	1	1	
i	1	1	1	1	1		1	1	1	1	
i	1	1	1	1	1	'	1	1	1	1	
i	1	1	1	1	1		1	1	1	1	
i	1	1	1	1	1		1	1	1	1	
i	1	1	1	1	1		1	1	1	1	
i	1	1	1	1	1		1	1	1	1	
i	1	1	1	1	1		1	1	1	1	
i	1	1	1	1	1		1	1	1	1	

'						

'						

'						

4	 	 	 	 	 	 	

'						

1						

'						

<u> </u>								 		
							 			<i>!</i>
	1			1	1	1				
				1	1	1				
				1	1	1				
	1			1	1	1				
				1	1	1				
	1			1	1	1				
	1			1	1	1				
	1			1	1	1				
	1			1	1	1				
	1			1	1	1				
	1			1	1	1				
				1	1	1				
	1			1	1	1				
	1			1	1	1				
	1			1	1	1				
	1			1	1	1				
	1			1	1	1				
	1			1	1	1				
				1	1	1				
	1			1	1	1				

\neg		['	Γ '	[I			Ϊ,	T 1	<u> </u>
	,	1 '		1	'		1	'	
	,	1 '		1	'		1	'	
	,	1	'		1	'	Ι ,	1	1
	,	1	'		Ι '	'	I '	1	
	,	1	'		1	'	Ι ,	1	1
	,	1	'		1	'	Ι ,	1	1
	,	1	'		1	'	Ι ,	1	1
	,	1	'		1	'	Ι ,	1	1
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	1
	,	1	'		1	'	Ι ,	1	1
	,	1	'		1	'	Ι ,	1	1
	,	'	'			'	T ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	'	1 '		1		'	1	'	
	'	'						 '	
									ŗ

1	 	 	 	 	 	 	

1	 	 	 	 	 	 	

\neg		['	Γ '	[I			Ϊ,	T 1	<u> </u>
	,	1 '		1	'		1	'	
	,	1 '		1	'		1	'	
	,	1	'		1	'	Ι ,	1	1
	,	1	'		Ι '	'	I '	1	
	,	1	'		1	'	Ι ,	1	1
	,	1	'		1	'	Ι ,	1	1
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	'	'			'	T ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	'	1 '		1		'	1	'	
	'	'						 '	
									ŗ

1												
	_									<u> </u>		<u> </u>
		1	1 '		1		1	1	1		1	
		1	1 '		1		1	1	1		1	
1		1	1 '	1	1	1	1	1	1	1	1	
		1	1 '		1		1	1	1		1	
1		1	1 '	1	1	1	1	1	1	1	1	
		1	1 '		1		1	1	1		1	
1		1	1 '		1		1	1	1		1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '		1		1	1	1		1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '		1		1	1	1		1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '		1		1	1	1		1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '		1		1	1	1		1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '		1		1	1	1		1	
1		1	1 '		1		1	1	1		1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '		1		1	1	1		1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '		1		1	1	1		1	
1		1	1 '		1		1	1	1		1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '		1		1	1	1		1	
1		1	1 '		1		1	1	1		1	
1		1	1 '		1		1	1	1		1	
1		1	1 '	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1		1	
4												'

					1	1	

'						

1	 	 	 	 	 	 	

'						

'						

1												
	_											<u> </u>
		1	1 '		1		1	1	1		1	
		1	1 '		1		1	1	1		1	
1		1	1 '	1	1	1	1	1	1	1	1	
		1	1 '		1		1	1	1		1	
1		1	1 '	1	1	1	1	1	1	1	1	
		1	1 '		1		1	1	1		1	
1		1	1 '		1		1	1	1		1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '		1		1	1	1		1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '		1		1	1	1		1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '		1		1	1	1		1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '		1		1	1	1		1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '		1		1	1	1		1	
1		1	1 '		1		1	1	1		1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '		1		1	1	1		1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '		1		1	1	1		1	
1		1	1 '		1		1	1	1		1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '		1		1	1	1		1	
1		1	1 '		1		1	1	1		1	
1		1	1 '		1		1	1	1		1	
1		1	1 '	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1		1	
4												'

'						

'						

'						

'						

1	 	 	 	 	 	 	

1	 	 	 	 	 	 	

\neg		['		[I			Ϊ,	T 1	<u> </u>
	,	1 '		1	'		1	'	
	,	1 '		1	'		1	'	
	,	1	'		1	'	Ι ,	1	
	,	1	'		Ι '	'	I '	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	'	'			'	T ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	'	1 '		1		'	1	'	
	'	'						 '	
									ŗ

4	 	 	 	 	 	 	

'						

1												
	_											<u> </u>
		1	1 '		1		1	1	1		1	
		1	1 '		1		1	1	1		1	
1		1	1 '	1	1	1	1	1	1	1	1	
		1	1 '		1		1	1	1		1	
1		1	1 '	1	1	1	1	1	1	1	1	
		1	1 '		1		1	1	1		1	
1		1	1 '		1		1	1	1		1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '		1		1	1	1		1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '		1		1	1	1		1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '		1		1	1	1		1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '		1		1	1	1		1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '		1		1	1	1		1	
1		1	1 '		1		1	1	1		1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '		1		1	1	1		1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '		1		1	1	1		1	
1		1	1 '		1		1	1	1		1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '	1	1	1	1	1	1	1	1	
1		1	1 '		1		1	1	1		1	
1		1	1 '		1		1	1	1		1	
1		1	1 '		1		1	1	1		1	
1		1	1 '	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1		1	
4												'

4	 	 	 	 	 	 	

<u> </u>								 		
							 			<i>!</i>
	1			1	1	1				
				1	1	1				
				1	1	1				
	1			1	1	1				
				1	1	1				
	1			1	1	1				
	1			1	1	1				
	1			1	1	1				
	1			1	1	1				
	1			1	1	1				
	1			1	1	1				
				1	1	1				
	1			1	1	1				
	1			1	1	1				
	1			1	1	1				
	1			1	1	1				
	1			1	1	1				
	1			1	1	1				
				1	1	1				
	1			1	1	1				

4	 	 	 	 	 	 	

4	 	 	 	 	 	 	

'						

4	 	 	 	 	 	 	

		rtegulai 7	ruii-tiitie			

Page 163 of 378

Page 164 of 378

		Regulai /	ruii-i iiile			

Page 165 of 378

		- regular,			

4	 	 	 	 	 	 	

4	 	 	 	 	 	 	

'						

'						

<u> </u>								 		
							 			<i>!</i>
	1			1	1	1				
				1	1	1				
				1	1	1				
	1			1	1	1				
				1	1	1				
	1			1	1	1				
	1			1	1	1				
	1			1	1	1				
	1			1	1	1				
	1			1	1	1				
	1			1	1	1				
				1	1	1				
	1			1	1	1				
	1			1	1	1				
	1			1	1	1				
	1			1	1	1				
	1			1	1	1				
	1			1	1	1				
				1	1	1				
	1			1	1	1				

					1	1	

4	 	 	 	 	 	 	

\neg		['		[I			Ϊ,	T 1	<u> </u>
	,	1 '		1	'		1	'	
	,	1 '		1	'		1	'	
	,	1	'		1	'	Ι ,	1	
	,	1	'		Ι '	'	I '	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	'	'			'	T ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	'	1 '		1		'	1	'	
	'	'						 '	
									ŗ

4	 	 	 	 	 	 	

4	 	 	 	 	 	 	

						[1
						[1
						[1
						[1
						[1
						[1
						[1
						[1
						[1
						[1
						[1
						[1
						[1
			· · · · · · · · · · · · · · · · · · ·	,		

4	 	 	 	 	 	 	

\neg		['		[I			Ϊ,	T 1	<u> </u>
	,	1 '		1	'		1	'	
	,	1 '		1	'		1	'	
	,	1	'		1	'	Ι ,	1	
	,	1	'		Ι '	'	I '	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	'	'			'	T ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	'	1 '		1		'	1	'	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	,	1	'		1	'	Ι ,	1	
	'	1 '		1		'	1	'	
	'	'						 '	
									ŗ

'						

<u> </u>								 		
							 			<i>!</i>
	1			1	1	1				
				1	1	1				
				1	1	1				
	1			1	1	1				
				1	1	1				
	1			1	1	1				
	1			1	1	1				
	1			1	1	1				
	1			1	1	1				
	1			1	1	1				
	1			1	1	1				
				1	1	1				
	1			1	1	1				
	1			1	1	1				
	1			1	1	1				
	1			1	1	1				
	1			1	1	1				
	1			1	1	1				
				1	1	1				
	1			1	1	1				

1						

1						

4	 	 	 	 	 	 	

4	 	 	 	 	 	 	

1						

'						

[_			<u></u>	Ţ '		_ '		<u></u>	'	_ <i>!</i>
1				1	'	1			1		
1				1	'	1			1		
1					'						
					'						
				1	'	1			1		
				1	'	1			1		
l I					'						
1				1	'	1			1		
1				1	'	1			1		
1					'						
1				1	'	1			1		
1					'						
					'						
					'						
					'						
					'						
					'						
				1	'	1			1		
					'						
					'						
					'						
					'						
					'						
					'						
					'						
											,

'						

4	 	 	 	 	 	 	

4	 	 	 	 	 	 	

4	 	 	 	 	 	 	

<u> </u>	

		<u> </u>		1							
		1	1	1	1	[1	, ,			
		1	1	1	1	[1	, ,			ı [/
		1	1	1	1	[1	, ,			ı [/
		1	1	1	1	[1	, ,			ı [/
		1	1	1	1	1	1	, ,			ı [/
		1	1	1	1	[1	, ,			ı [/
		1	1	1	1	[1	, ,			ı [/
		1	1	1	1	[1	, ,			ı [/
		1	1	1	1	[1	, ,			ı [/
		1	1	1	1	[1	, ,			ı [/
		1	1	1	1	[1	, ,			ı [/
ı		1	1	1	1	1	1	, ,			ı [!
		1	1	1	1	[1	, ,			ı [/
		1	1	1	1	[1	, ,			ı [/
		1	1	1	1	[1	, ,			ı [/
		1	1	1	1	[1	, ,			ı [/
		1	1	1	1	[1	, ,			ı [/
		1	1	1	1	[1	, ,			ı [/
		1	1	1	1	[1	, ,			ı [!
		1	1	1	1	[1	, ,			ı
		1	1	1	1	[1	, ,			ı [/
		1	1	1	1	[1	, ,			ı
		1	1	1	1	[1	, ,			
		1	1	1	1	[1	, ,			
		1	1	1	1	[1	, ,			
		1	1	1	1	[1	, ,			ı
		1	1	1	1	[1	, ,			ı
		1	1	1	1	[1	, ,			ı
		1	1	1	1	[1	, ,			ı
		1	1	1	1	[1	, ,			ı
		1	1	1	1	[1	, ,			ı
		1	1	1	1	[1	, ,			ı
		1	1	1	1	[1	, ,			ı
		1	1	1	1	[1	, ,			ı
		1	1	1	1	[1	, ,			ı
		1	1	1	1	[1	, ,			ı
		1	1	1	1	[1	, ,			ı
		1	1	1	1	[1	, ,			ı
		1	1	1	1	[1	, ,			ı
											

4	 	 	 	 	 	 	

4	 	 	 	 	 	 	

4	 	 	 	 	 	 	

1						

4	 	 	 	 	 	 	

'						

1	 	 	 	 	 	 	

			1 411 11110			
	· · · · · · · · · · · · · · · · · · ·					

Page 244 of 378

Page 245 of 378

		Regulai /	ruii-i iiile			

Page 246 of 378

		- regular,			

						[1
						[1
						[1
						[1
						[1
						[1
						[1
						[1
						[1
						[1
						[1
						[1
						[1
			· · · · · · · · · · · · · · · · · · ·	,		

'						

						[1
						[1
						[1
						[1
						[1
						[1
						[1
						[1
						[1
						[1
						[1
						[1
						[1
			· · · · · · · · · · · · · · · · · · ·	,		

4	 	 	 	 	 		

4	 	 	 	 	 		