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1	2009	9
2	15
2.1	15
2.2	16
2.3	17
3	18
3.1	18
3.2	26
3.3	I	26
3.4	30
3.5	37
3.6	47
3.7	53
3.8	55
.	60
3.10	64
4	.....	69
	.....	77
1	.....	77
1.1	.....	77
1.2	.....	81
1.2.1	.....	81
1.2.2	.....	85

1.2.3	I	.....	85
1.2.4		.....	89
1.2.5	ARP	.....	93
1.2.6		.....	97
1.2.7		.....	101
1.2.8		.....	105
1.2.9		.....	109
1.2.10		.....	113
1.2.11		.....	117
1.2.12		.....	121

2. 125

2.1		.....	125
.		.....	126
2.2.1		.....	126
2.2.2		.....	126
2.2.3	I	.....	126
2.2.4		.....	127
2.2.5	ARP	.....	127
2.2.6		.....	128
2.2.7		.....	128
2.2.8		.....	128
2.2.9		.....	129
2.2.10		.....	129

3. 130

3.1		.....	130
3.2		.....	130
3.2.1		.....	130

3.2.2 131

3.2.3 I 131

3.2.4 ARP 132

3.2.5 132

..... **133**

1 2009 133

2 2009 134

3 135

4 137

..... **139**

1 7.0..... 139

2 7.0143

3 7.0..... 146

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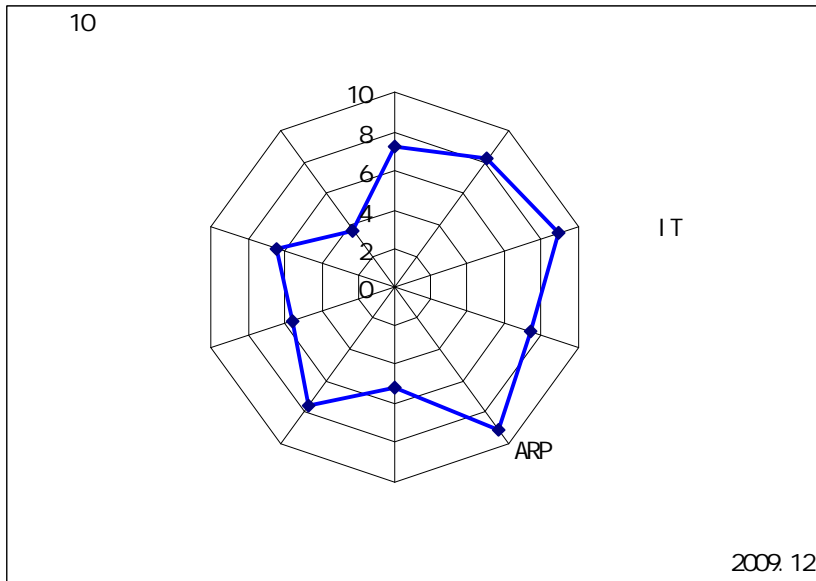
2009

2008

			98			61.1		
76			50	70			82.934	
	37.442			45.5				
	70	80			13	60	70	
		35	50	60			41	50
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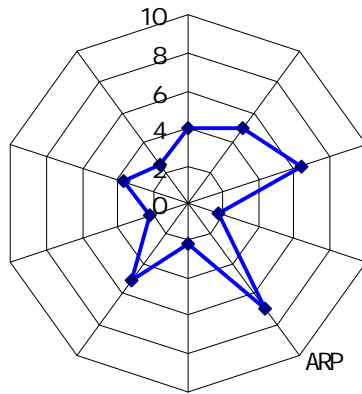
IT

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2009.12

64. 32

73. 766

42. 081

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52. 346

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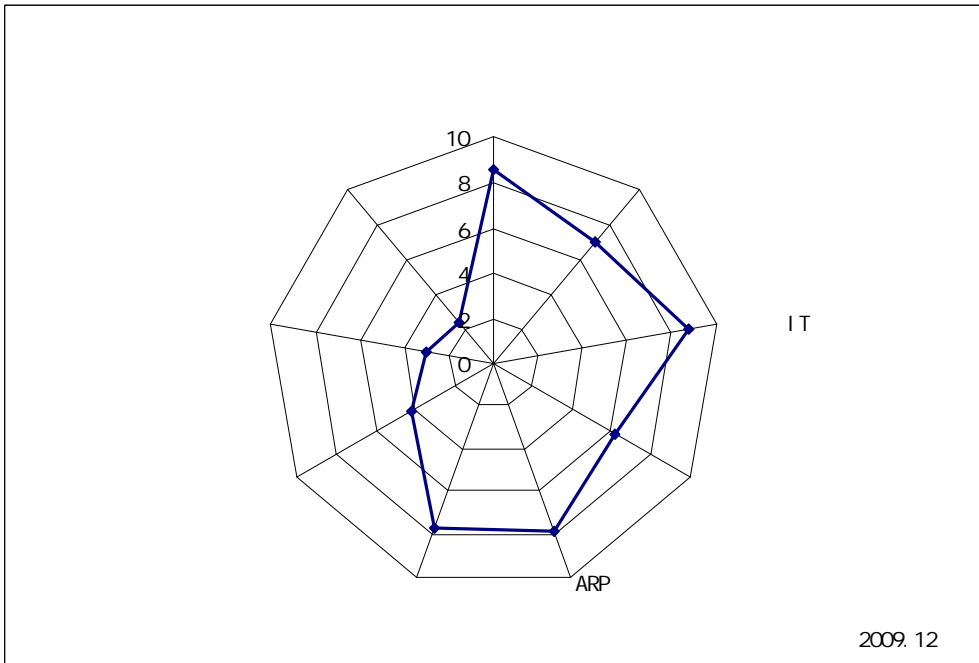
ARP
6. 655

8. 024

IT
6. 154

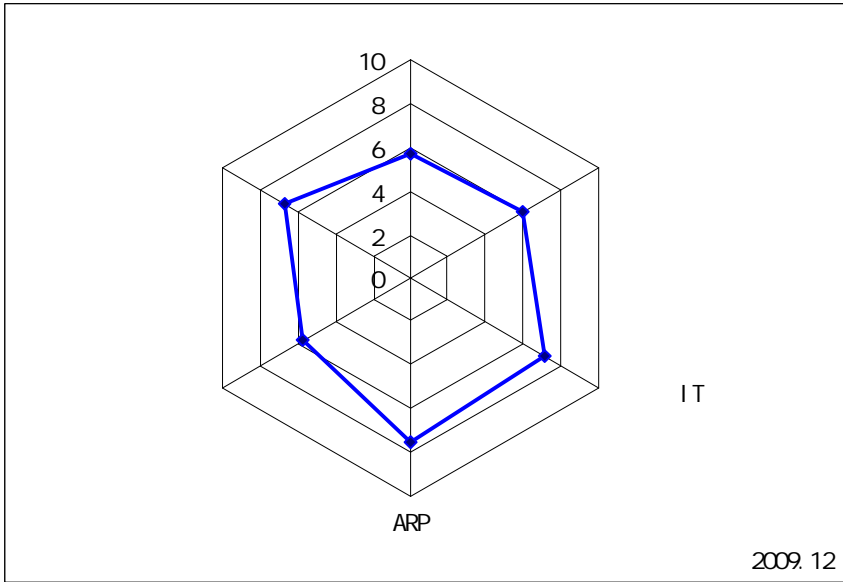
7. 581

7. 686 7. 043
 6. 264 6 4. 229
 3. 057 2. 386



2.3

	ARP	IT		
	6		ARP	7. 532
IT	7. 073		6. 666	6
	5. 955		5. 660	
5. 659				



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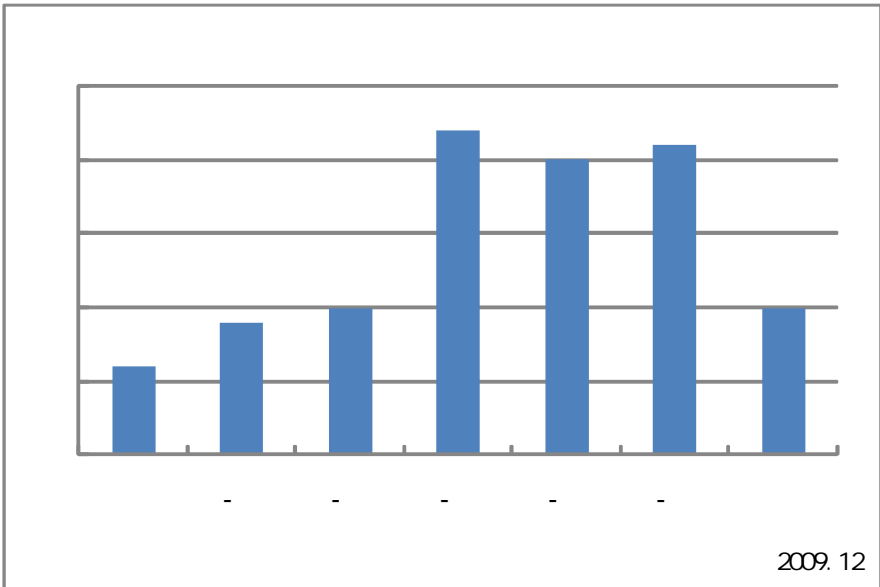
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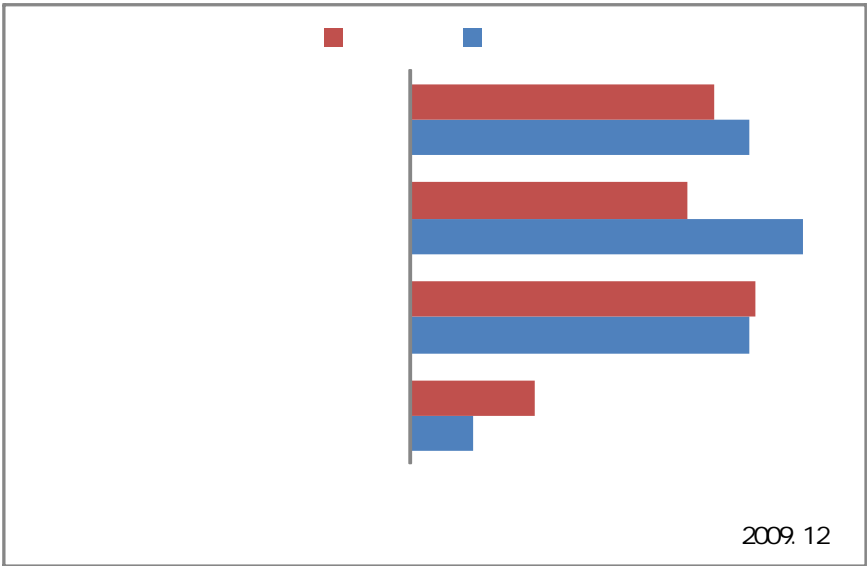
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2010

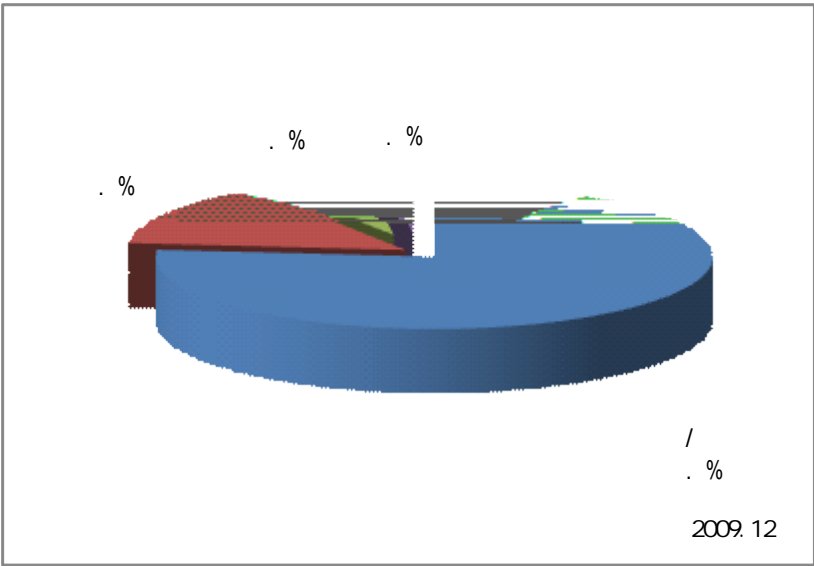
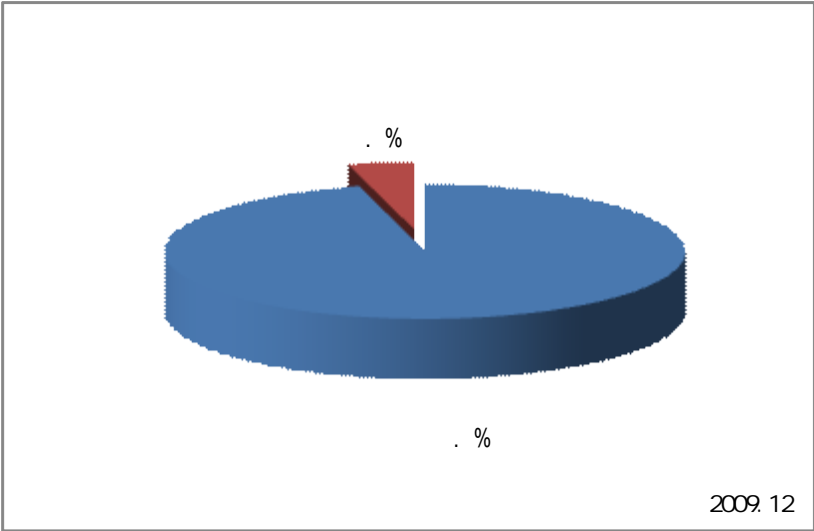
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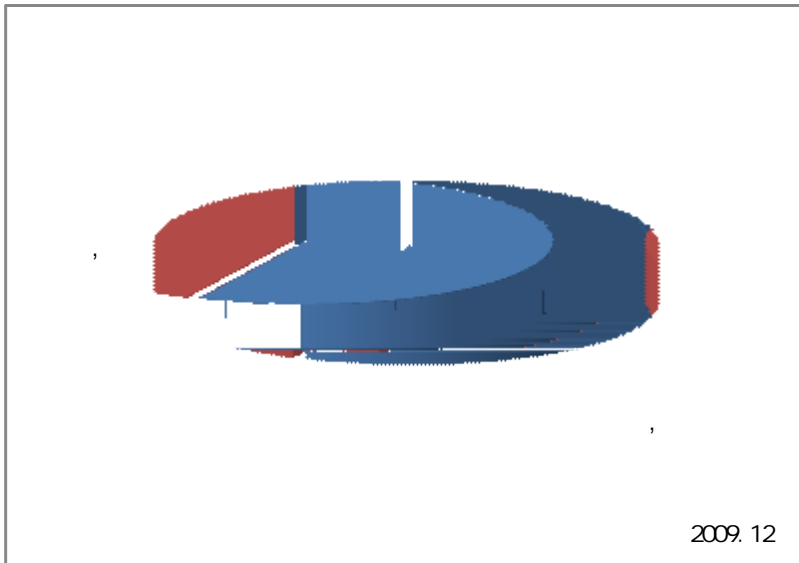


95. 9%

2008

75. 6%





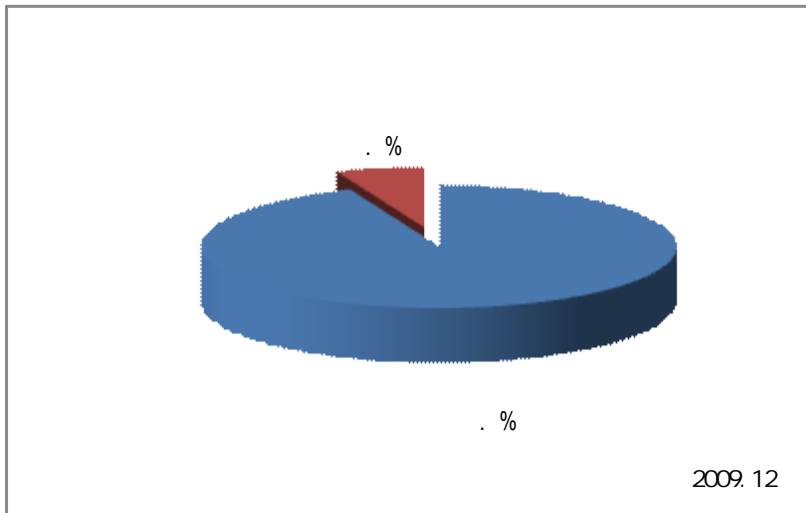
93. 9%

2009
50

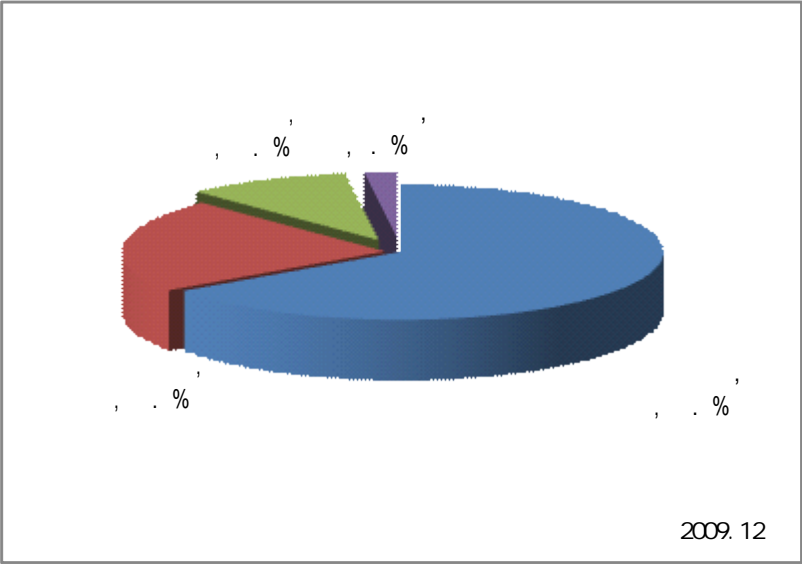
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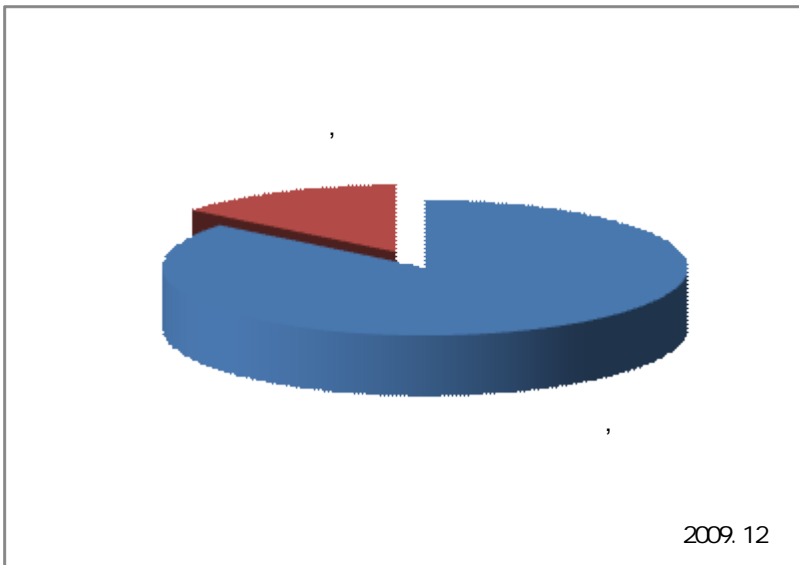
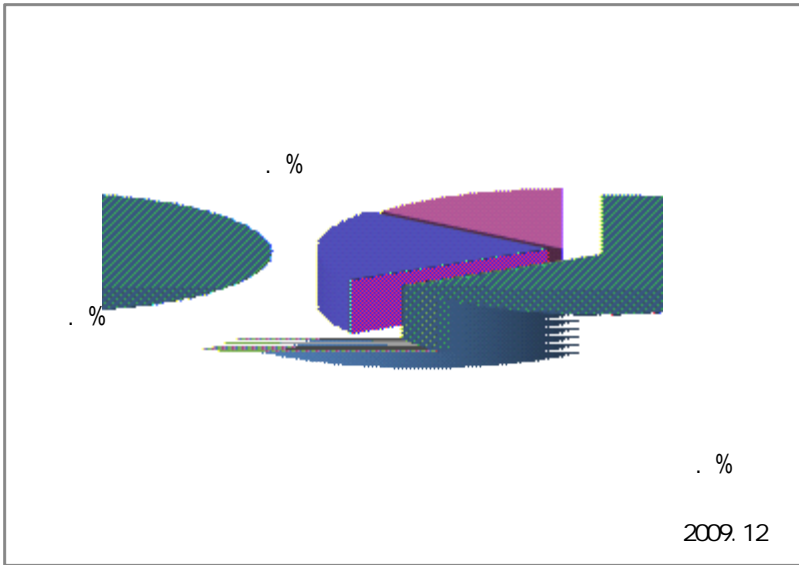
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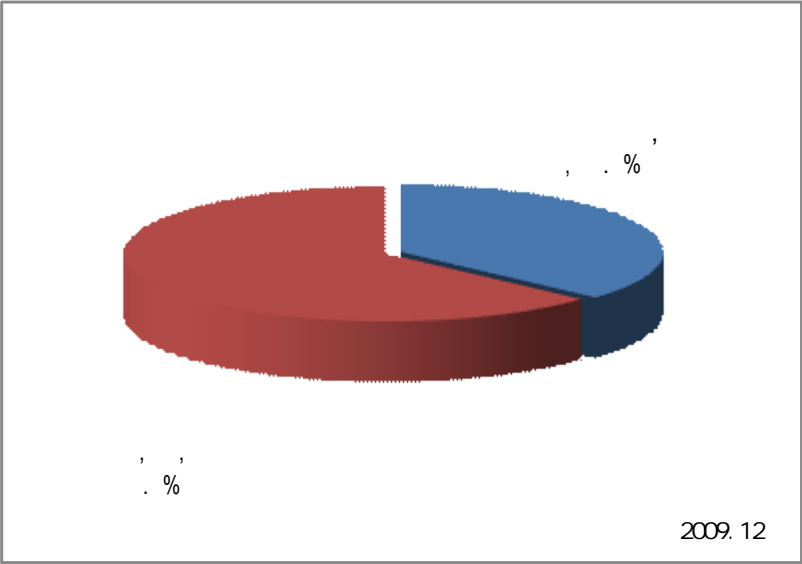


2009. 12



66.3%

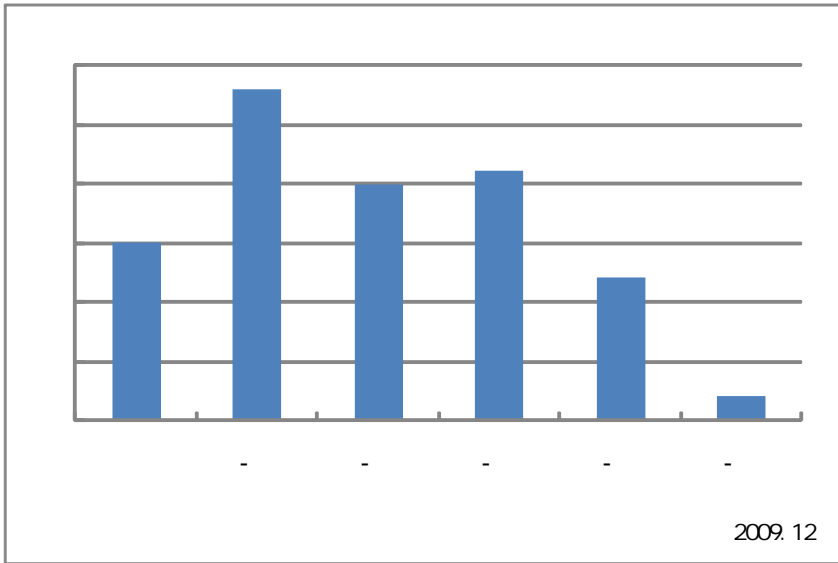




3.2

3.3 IT

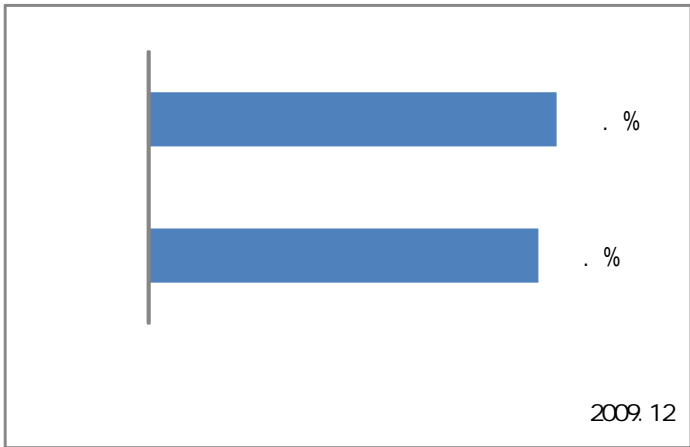




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IT

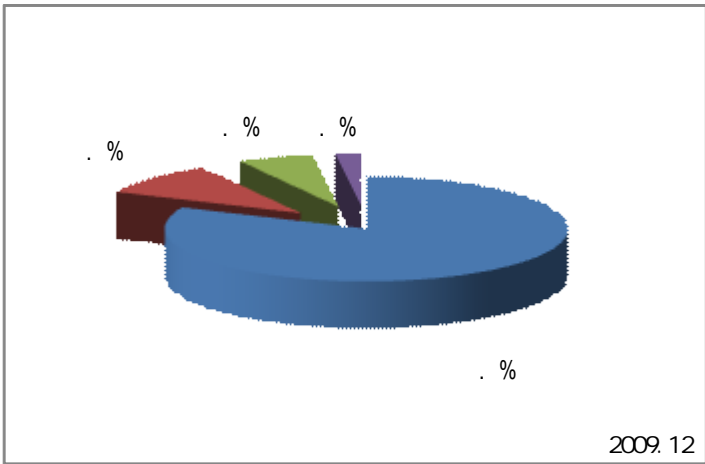


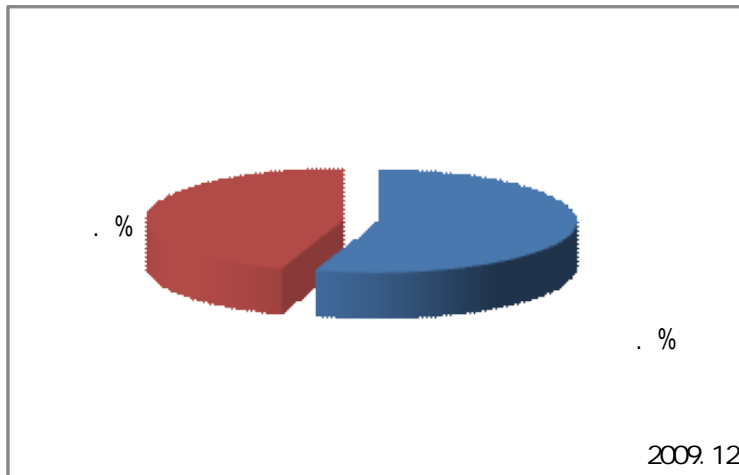
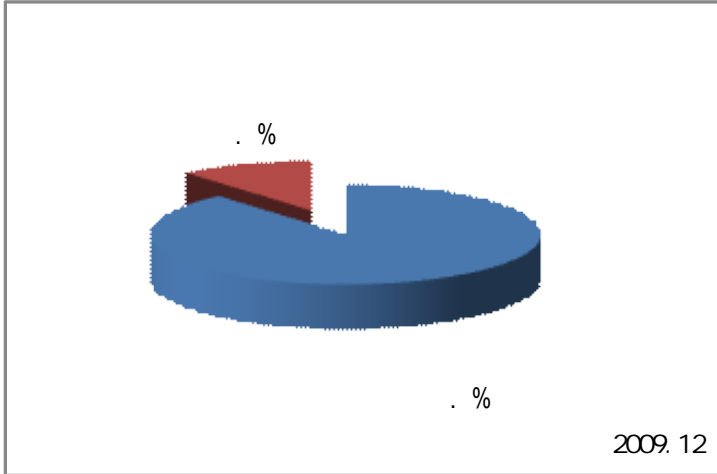
98% UPS 2 88.8%

81.6% UPS 5

92 59

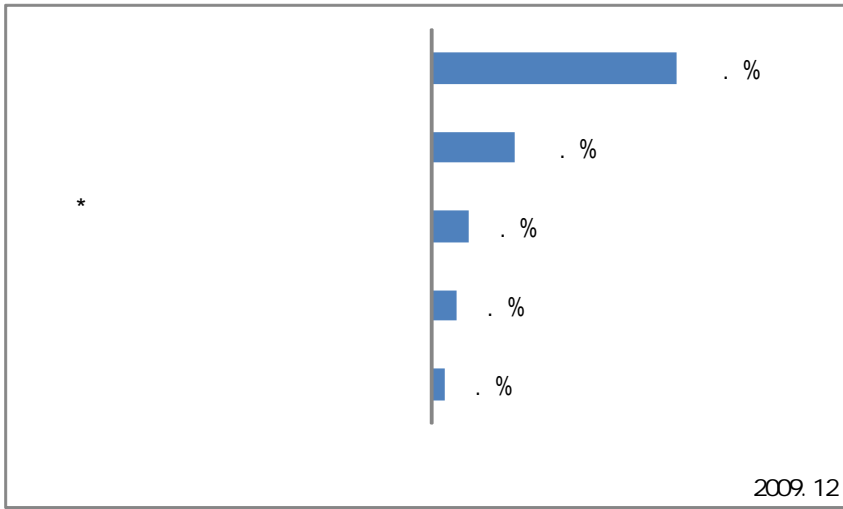
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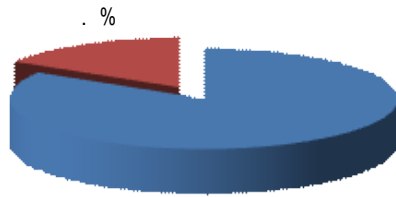
83.7%

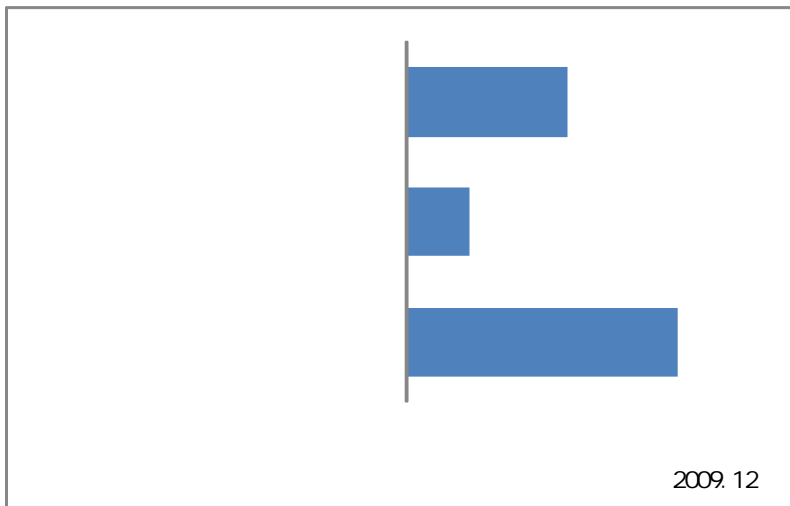
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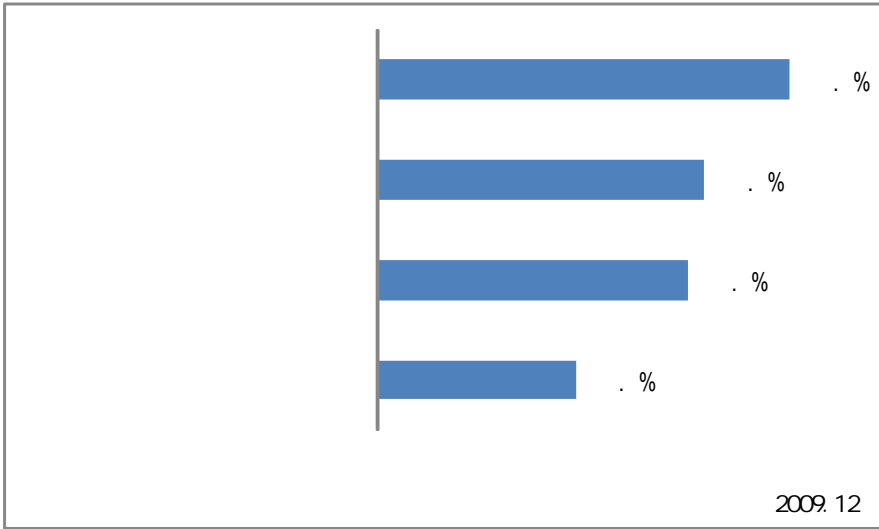




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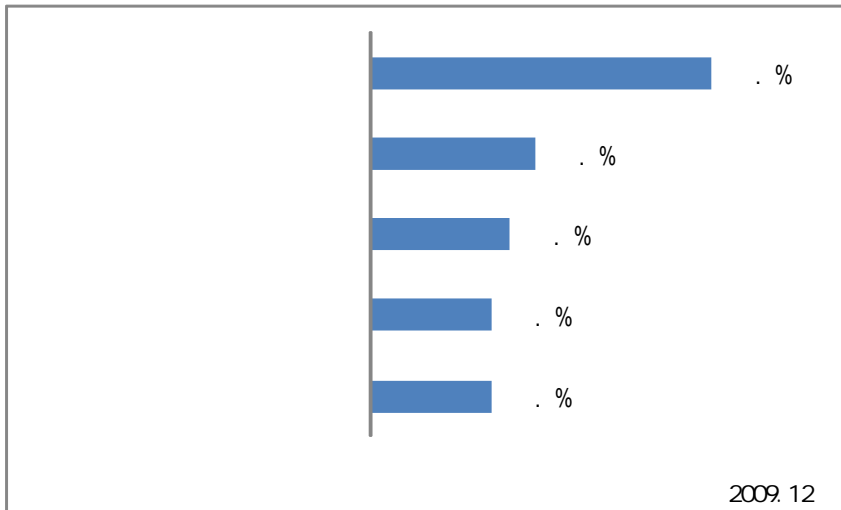
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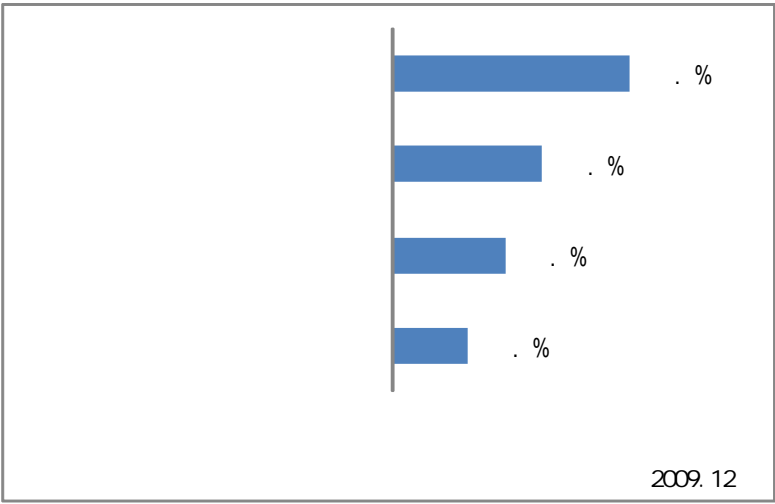
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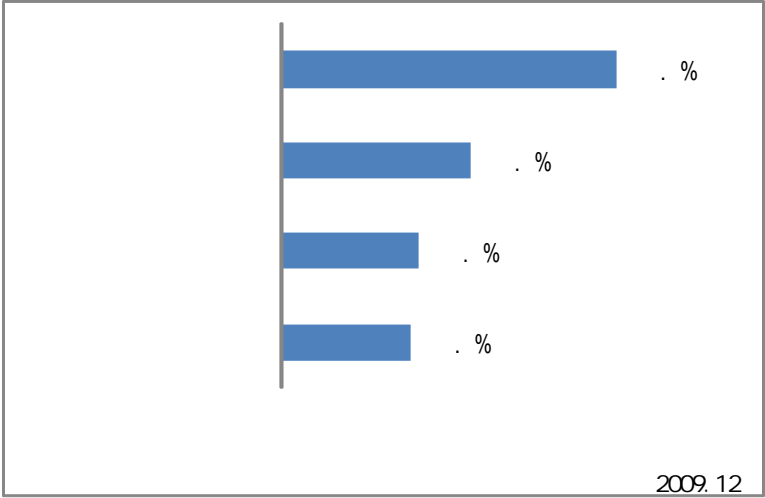
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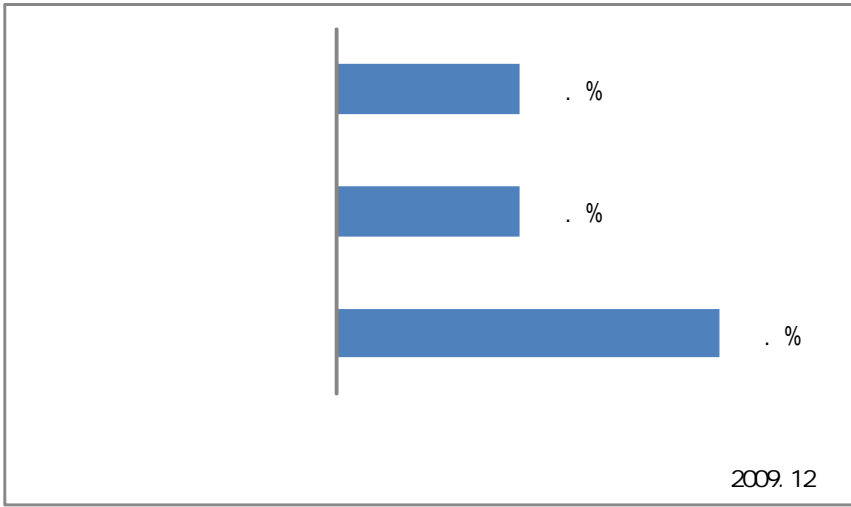




17. 4%

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ARP

ARP

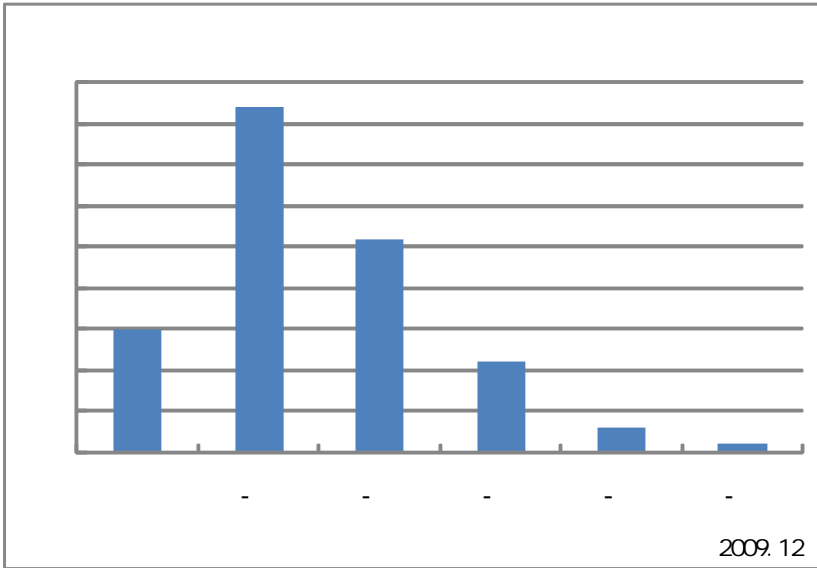
ARP

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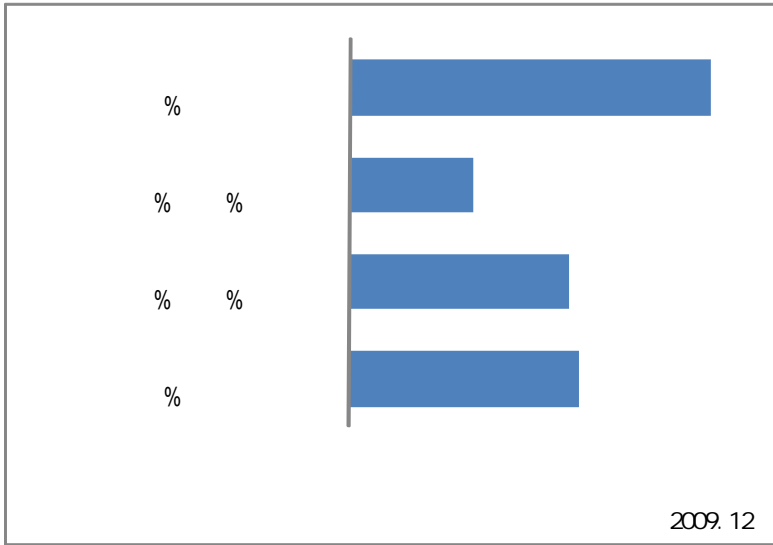
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ARP
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ARP

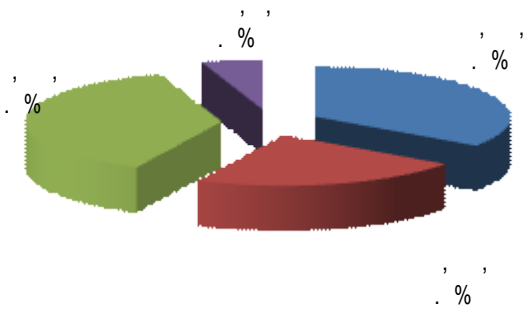
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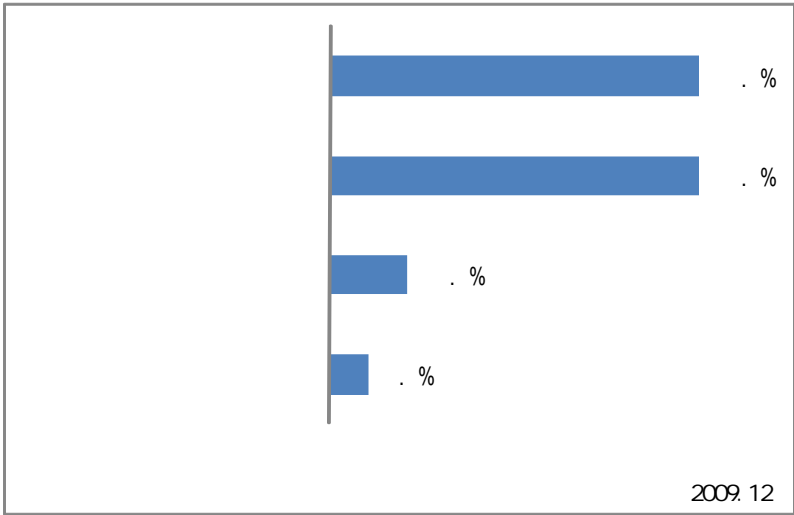
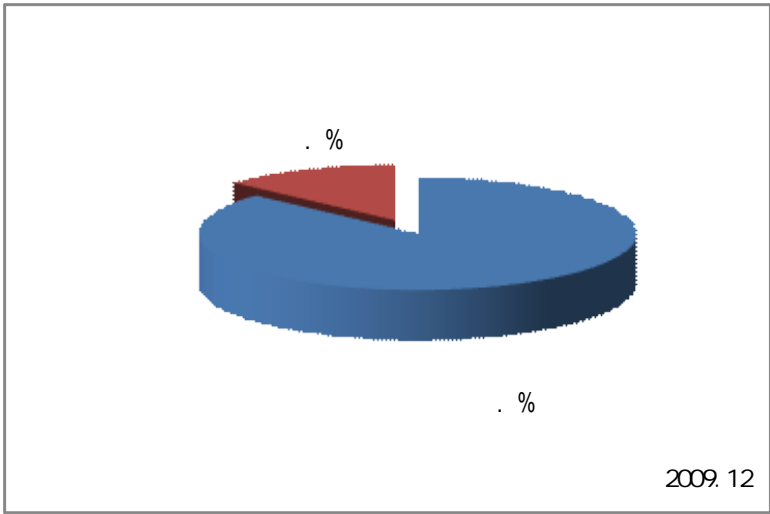
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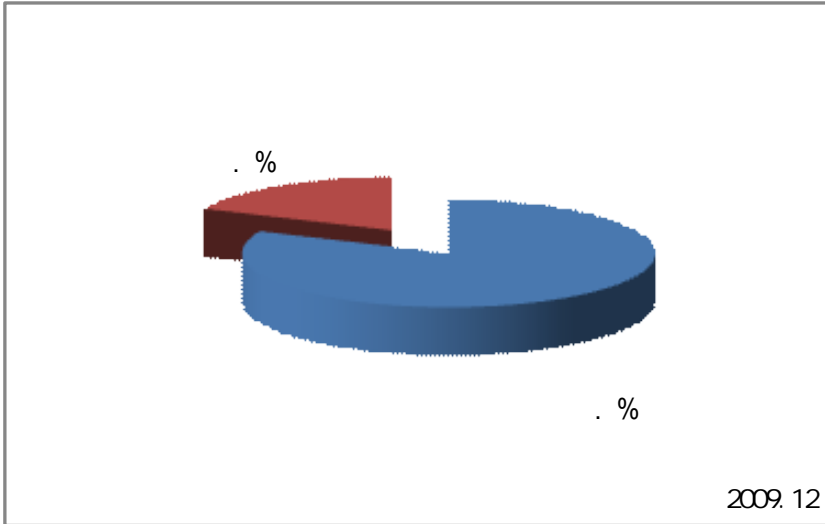




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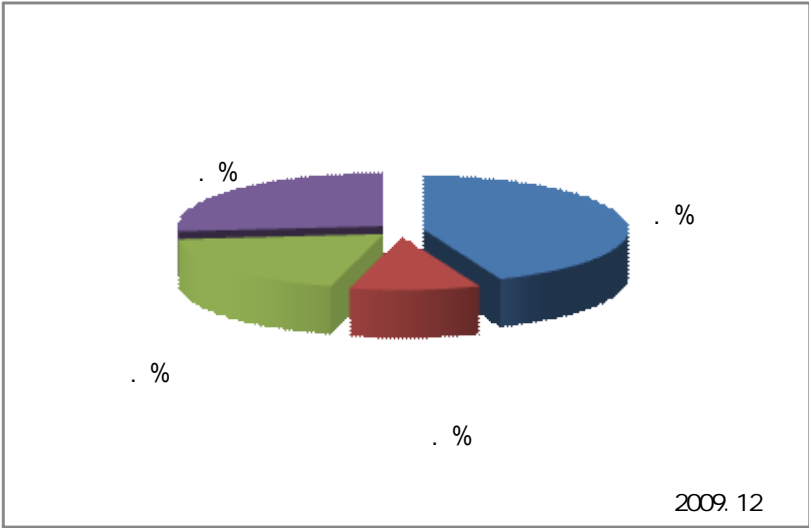
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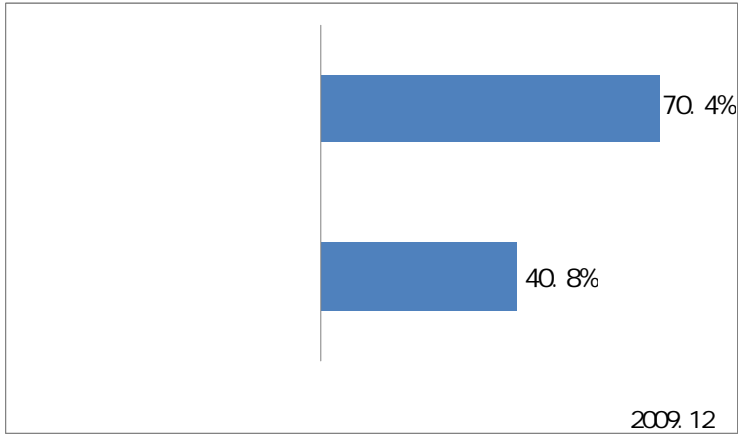


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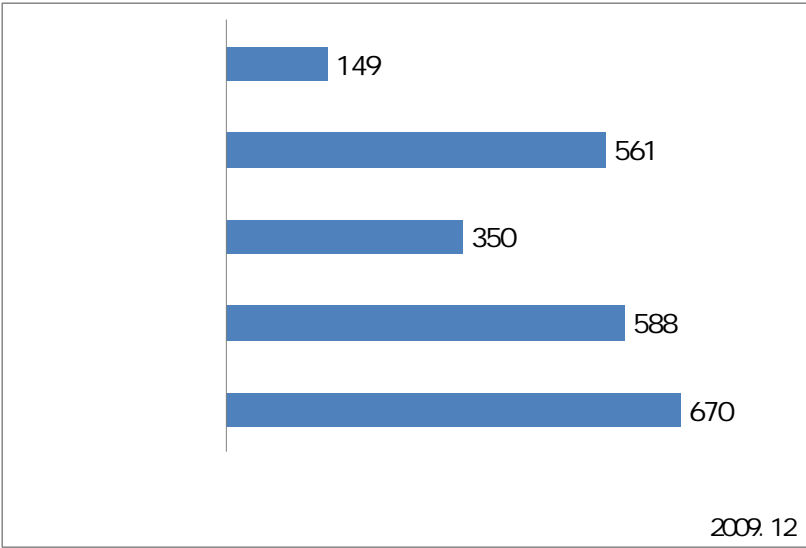
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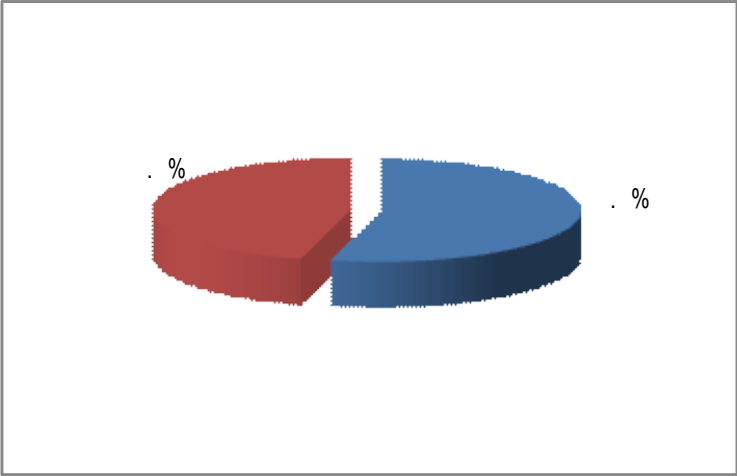
588

561

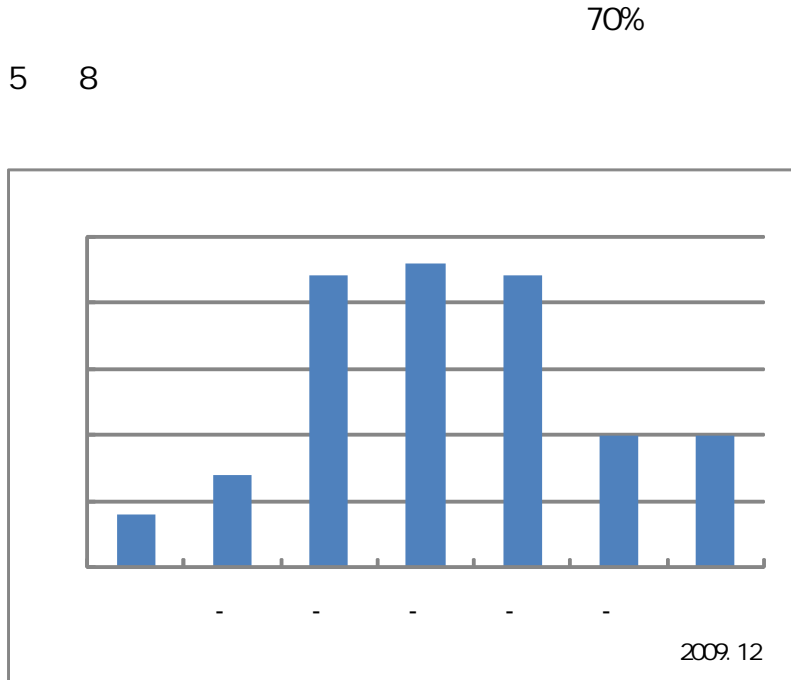


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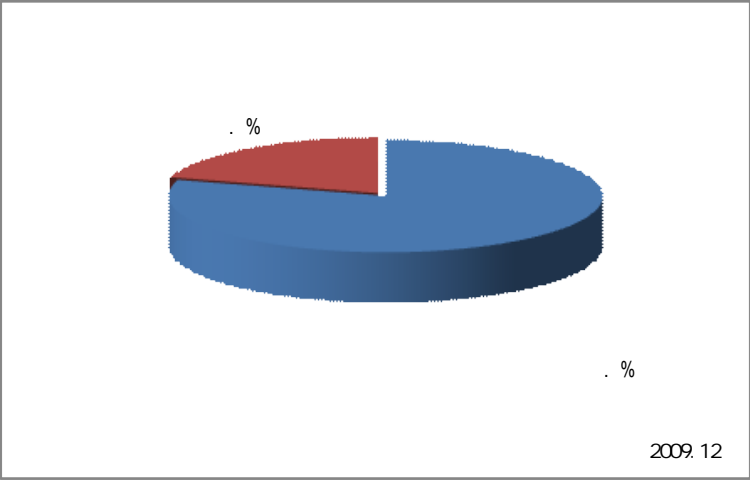
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3.6

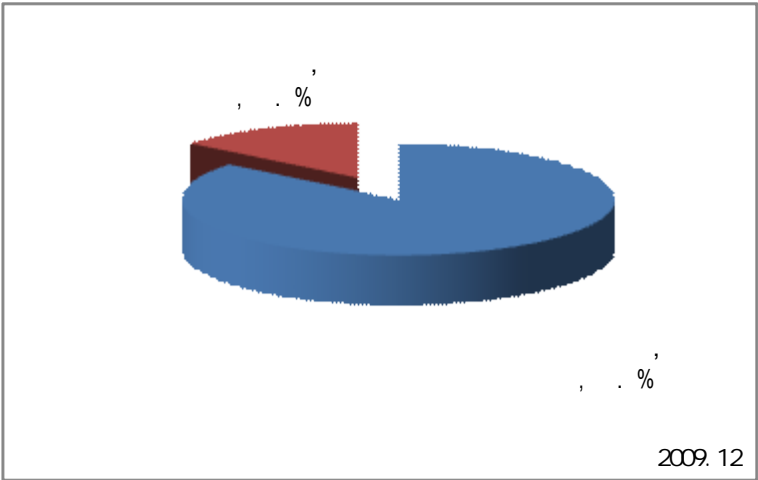


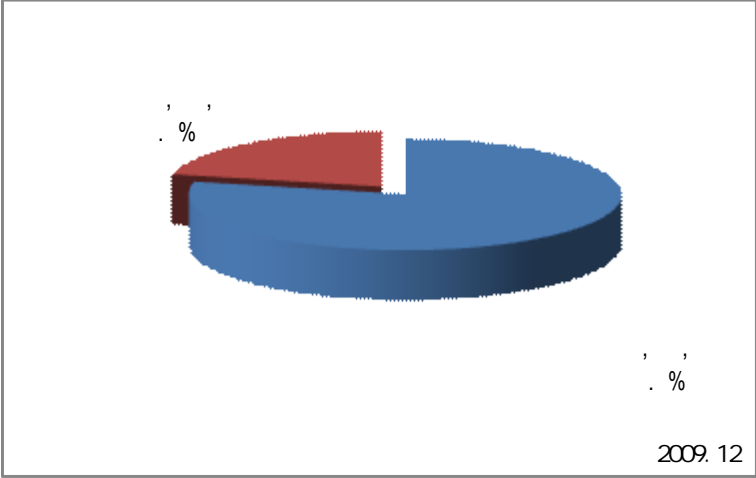
80%
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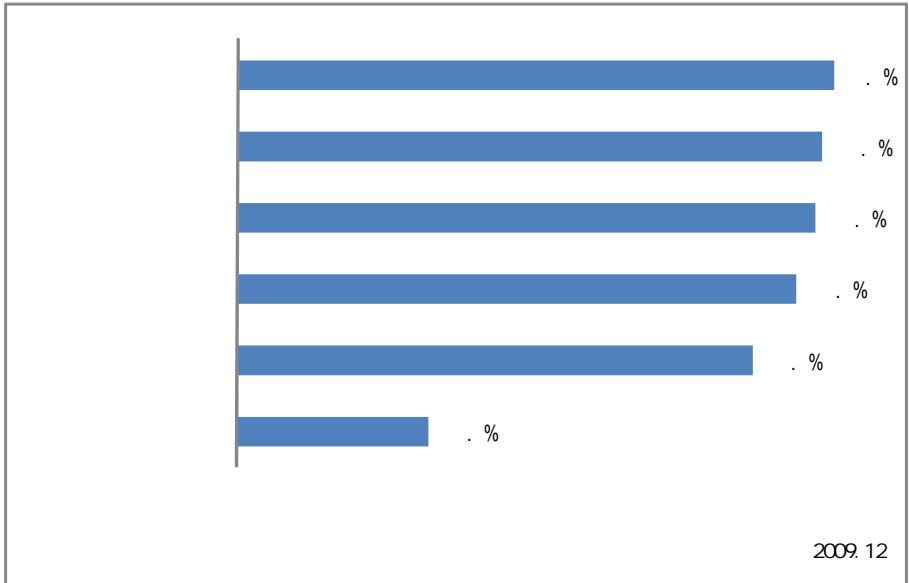
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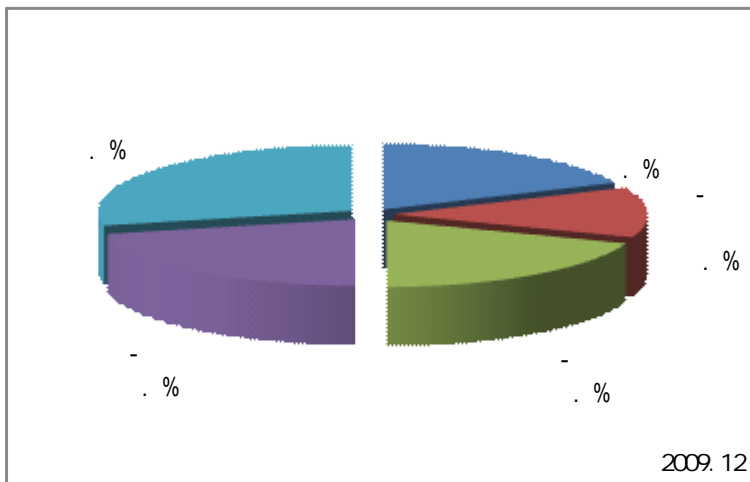
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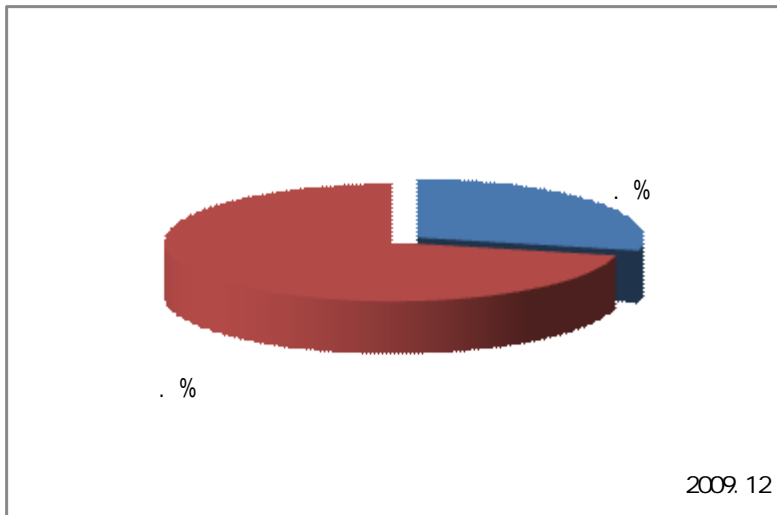
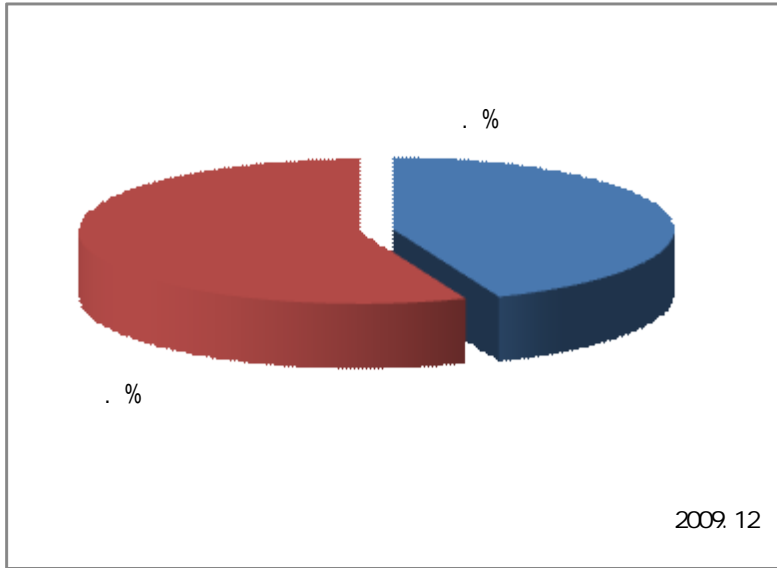
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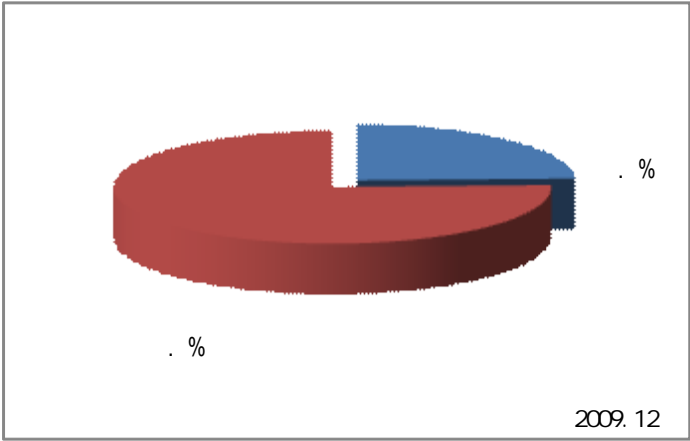
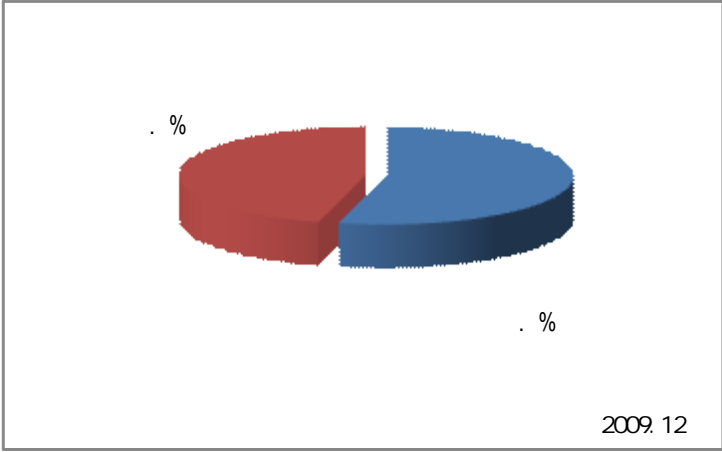
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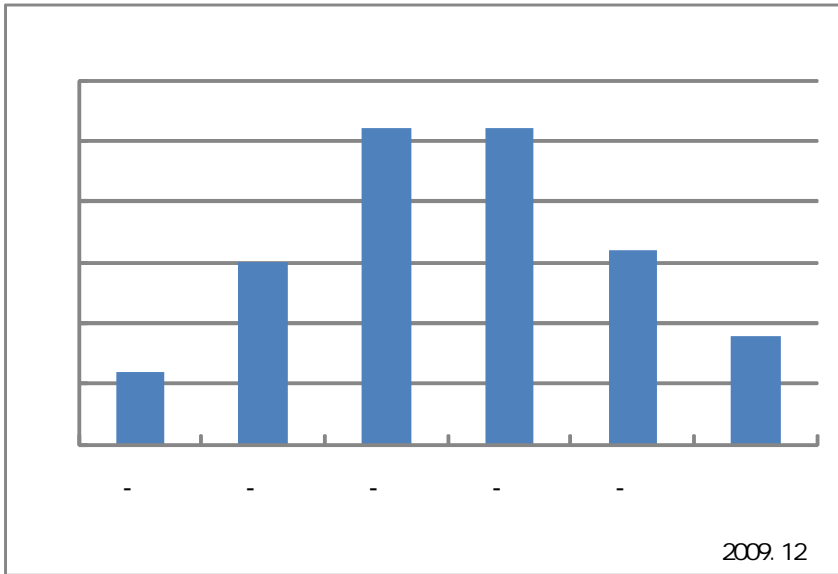
2009

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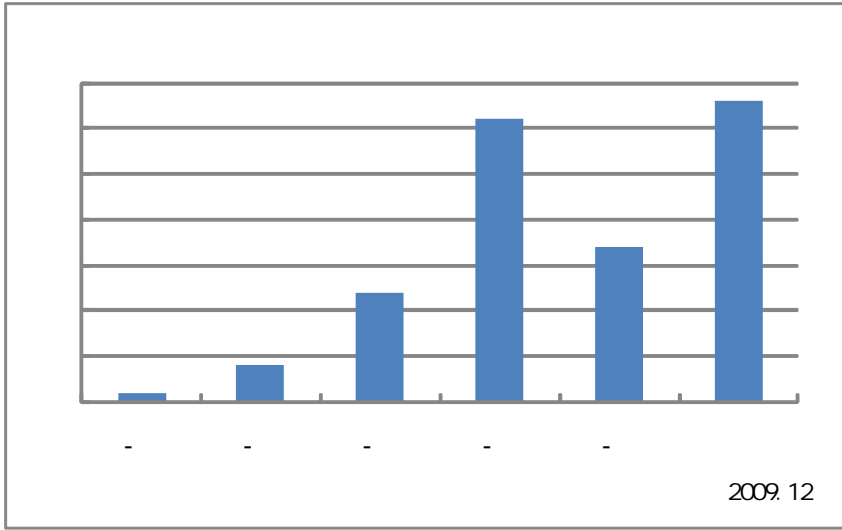
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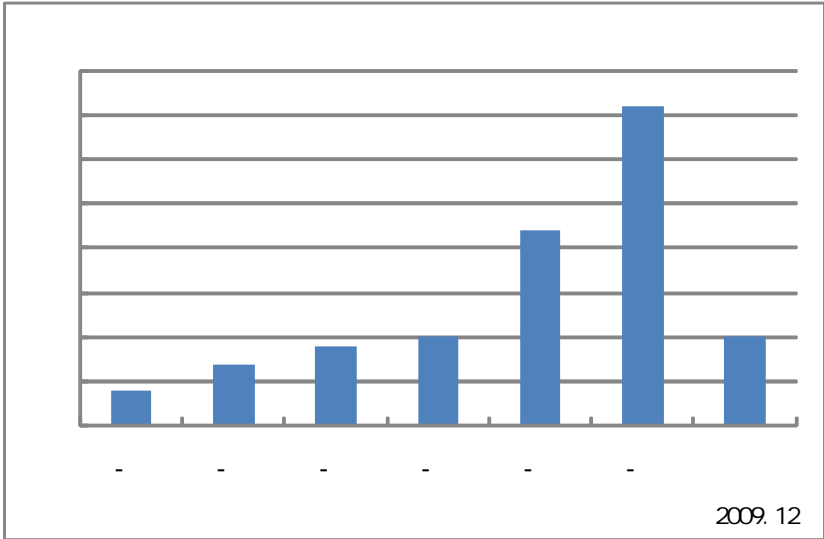
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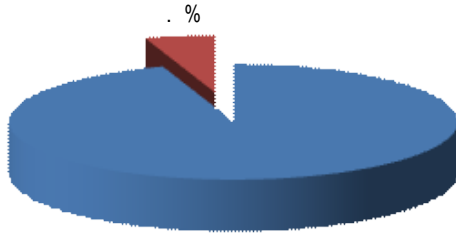
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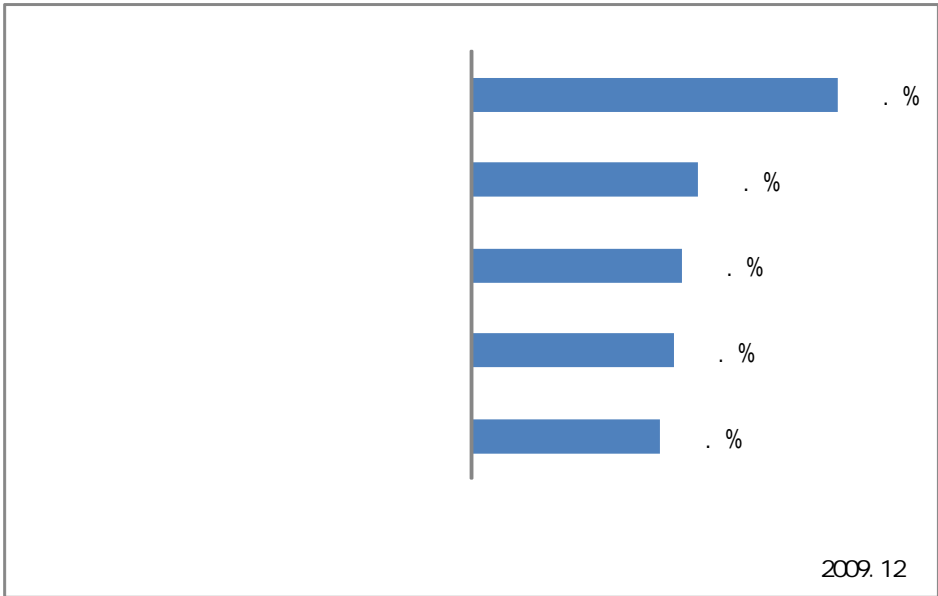
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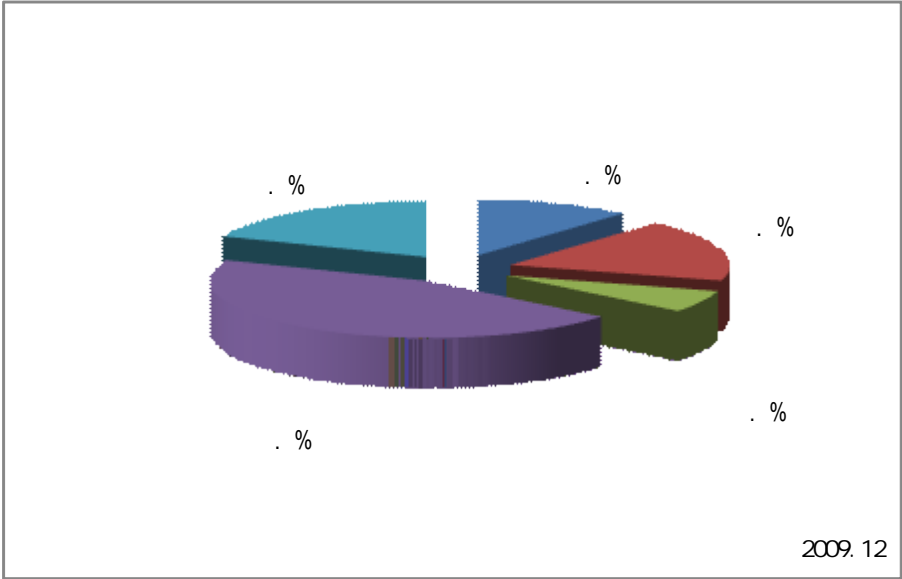
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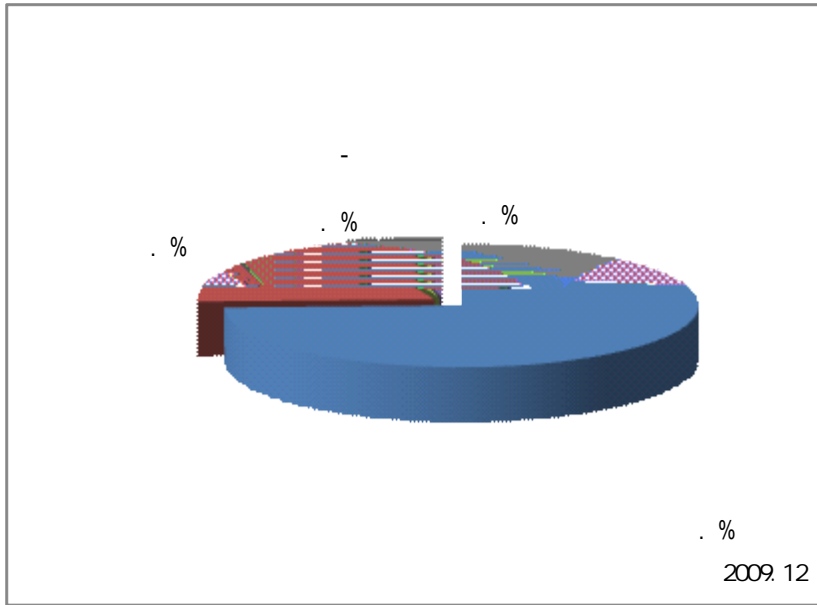
2009
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2008

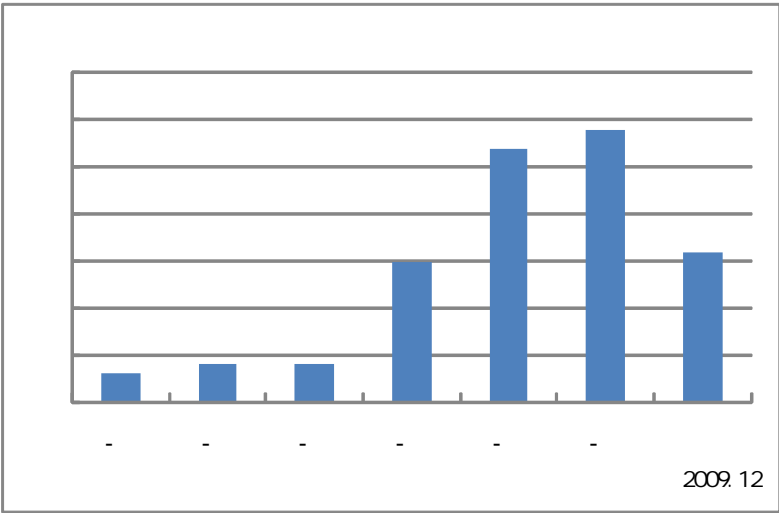


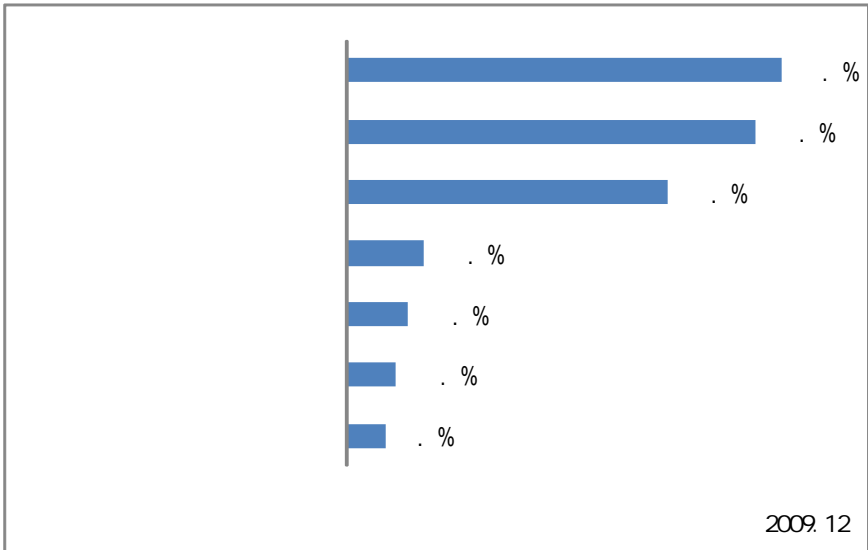
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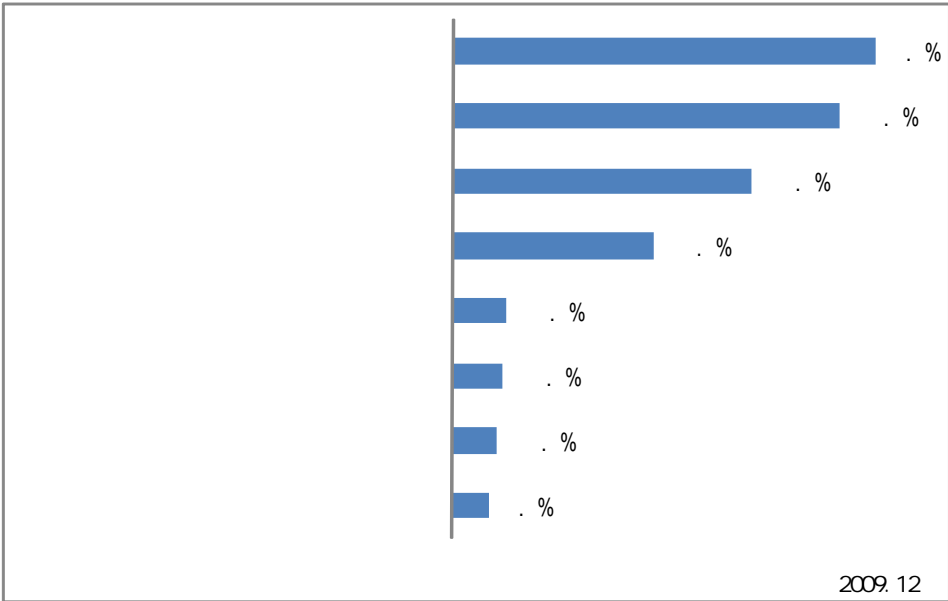
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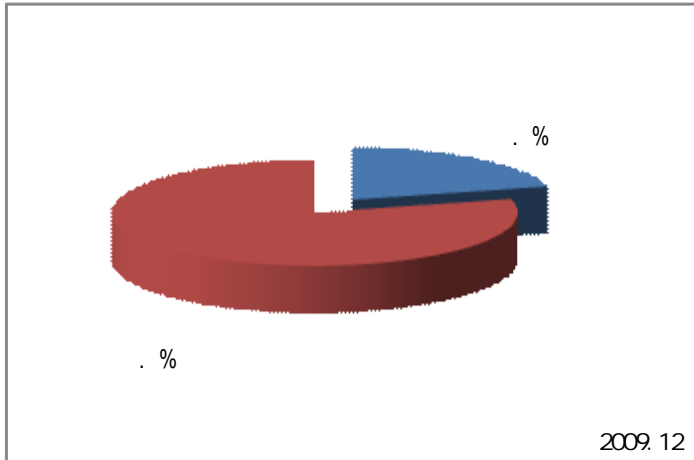
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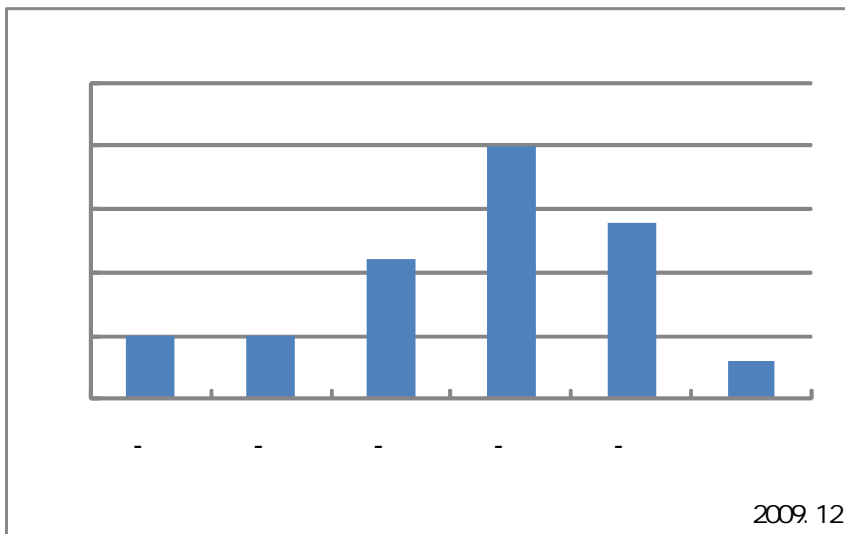
e-Science



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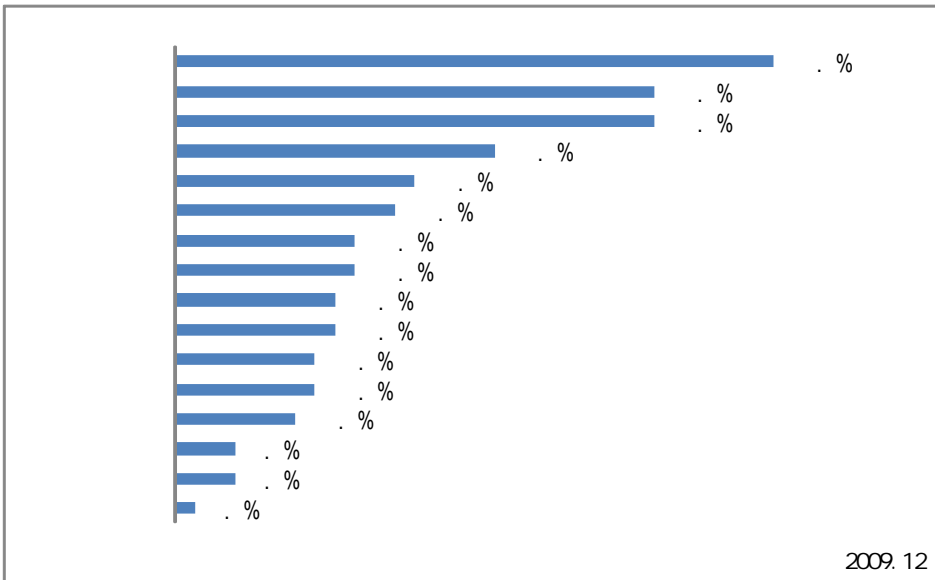
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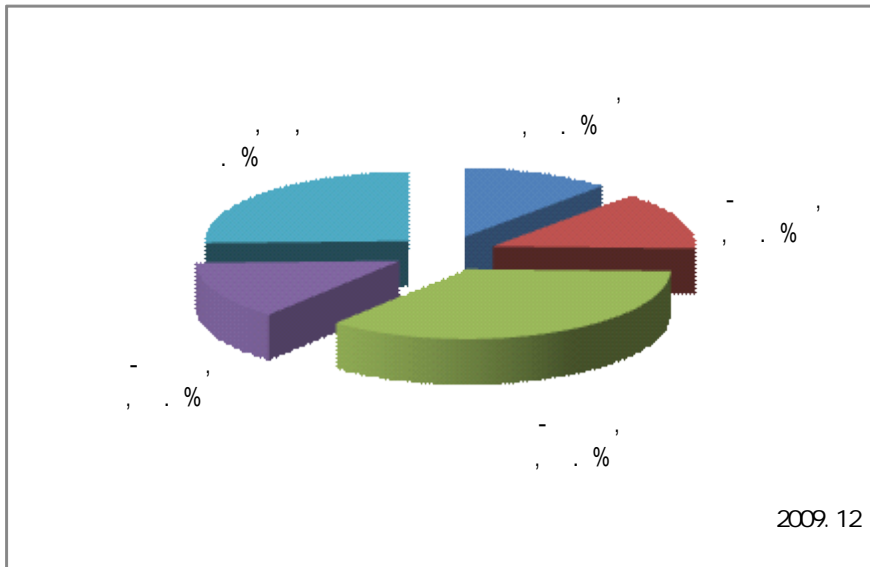
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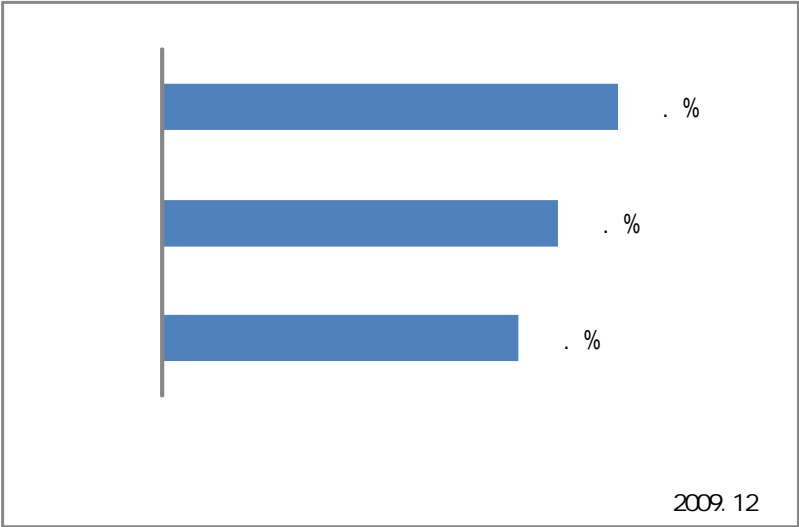
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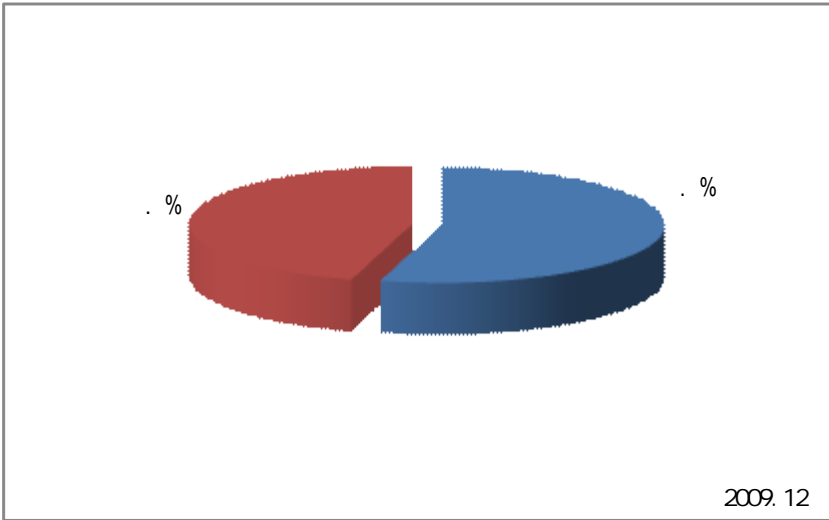
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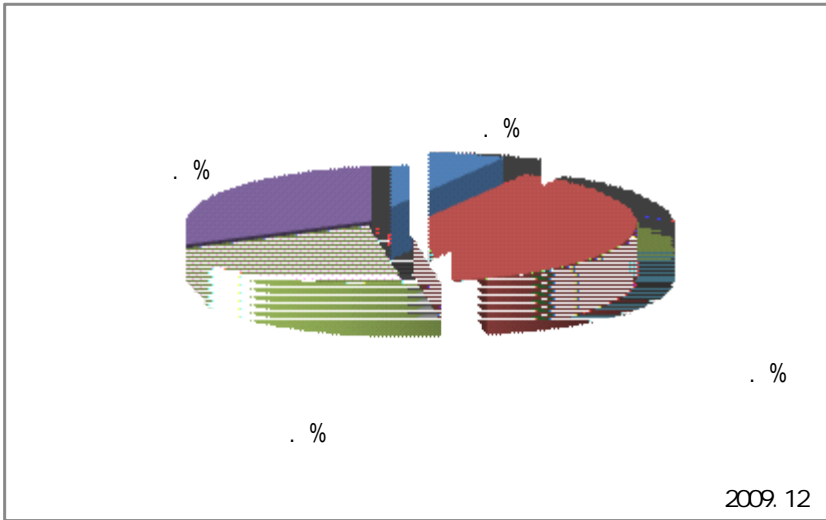
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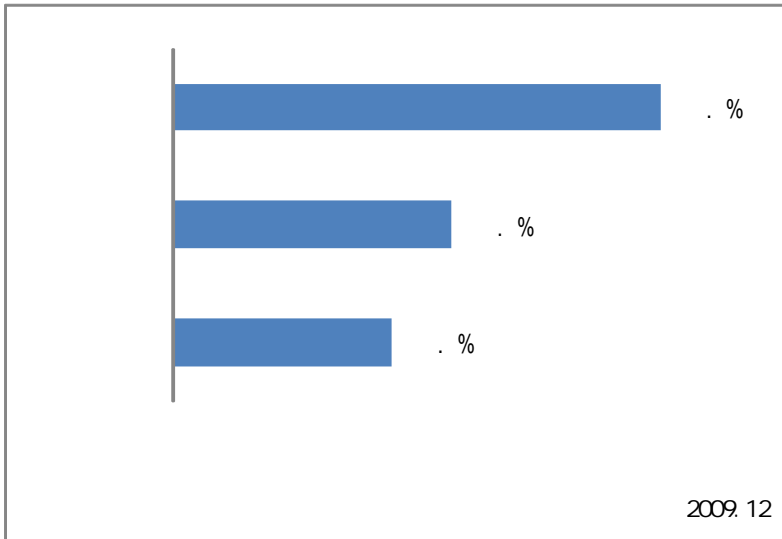
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E- Science

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		2009	2008
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	80. 303	2	1
	79. 394	3	8
	77. 718	4	3
	76. 142	5	6
	74. 412	6	74
	73. 958	7	5
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62. 587	43	40

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2.2.3 IT

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2.2.7

()	5.80	1
	3.80	2
	2.80	3
	2.60	4
	2.50	5
	2.10	6

2.2.8

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	4. 60	1
	3. 40	2
()	2. 60	3
	2. 30	4
	1. 90	5
	1. 50	6

2.2.9

	4. 10	1
	3. 40	2
	2. 70	3
	1. 40	4
()	1. 30	5
	0. 20	6

2.2.10

	39. 74	1
	35. 27	2
()	28. 64	3
	28. 42	4
	25. 24	5
	24	6

3

.

	73. 766	1
	73. 728	2
	70. 044	3
	69. 559	4
	68. 561	5
	68. 149	6
	66. 811	7
	62. 987	8
	59. 598	9
	52. 246	10
	42. 081	11

.

3.2.1

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	9. 30	1
	7. 50	2
	7. 40	3
	6. 40	4
	6. 05	5
	5. 90	6
	4. 70	7
	4. 60	8
	4. 20	9
	3. 60	10
	2. 60	11

3.2.2

3.2.3 IT

	IT	
	8. 70	1
	8. 10	2
	8. 10	2
	7. 90	4
	7. 50	5
	7. 50	5

	7. 40	7
	6. 10	8
	6. 10	8
	5. 50	10
	4. 90	11

3.2.4 ARP

	ARP	
	9. 00	1
	8. 80	2
	8. 70	3
	8. 70	3
	8. 55	5
	7. 55	6
	7. 40	7
	6. 60	8
	6. 00	9
	5. 80	10
	5. 75	11

3.2.5

	76. 70	1
	72. 45	2

	70. 55	3
	68	4
	67. 53	5
	58. 58	6
	54. 23	7
	48. 45	8
	44. 03	9
	43. 18	10
	18. 93	11

2009

2008

2009

2008

2009

2008

14.3%

82.6%

29%

2009

2008

1)

2008

2009

2008

2009

2009

260

2) 2009

2009

2008

2008 98
25
25.5% 2009 11
14
2008 98 13
13.3%
2009 3
10

2009
2009 11 1
12 1 1
1

ARP

2009

2008

2008

2009

ARP

2009

1

V7.0

				/ /	30%		
	30%		35%		10%		
					20%		
					10%		
					20%		

					10%			
			20%		35%			
					20%			
					45%			
		IT	45%	IT	55%		60%	
							20%	
							20%	
				45%		45%		40%
							1	20%
							2	20%
							3	20%
	65%	IT	45%	ARP	85%		10%	
								20%
								50%
								20%
						5%		

					10%		
					5%		
					5%		
					5%		
					3%		
					2%		
					40%		45%
							55%
		IT	25%		60%		40%
							35%
							12%
							13%
					20%		
		IT	10%		70%		60%

							10%				
							20%				
							10%				
									30%		60%
											40%
										IT	5%
						20%					63%
											27%
											10%
					5%		40%				
	40%										
	20%										

1. 1		40%
1. 2		20%
1. 3		20%
1. 4		20%

2

V7.0

	30%		35%	/ /	30%	

							20%
					5%		
					10%		
					5%		
					5%		
					5%		
					3%		
					2%		
		/	20%		100%		40%
		IT					35%
							12%
							13%
					20%		
		IT	10%		70%		60%
							10%
							20%
							10%
					30%		67%

				IT	5%		
					63%		
					27%		
					10%		
5%		40%					
		40%					
		20%					
							33%

3

V7.0

	35%		40%	/ /	30%		
					10%		
					20%		
					10%		
					20%		
					10%		
				30%		35%	
						20%	
						45%	
				30%		60%	
						20%	
						20%	
60%	IT	60%	ARP		80%	10%	
						20%	
						50%	
						20%	
				5%			
				10%			

					5%		
					5%		
					5%		
				IT	2%		
					2%		
			40%		85%		
					15%		
			60%				
	5%		40%				

1

V1.0

70%	30%		1	10000 1 7000 10000 0.8 3000 7000 0.5 3000 0.3
			1	2000 1 1000 2000 0.8 500 1000 0.5 500 0.3 0 0

			1	1000 1 600 1000 0.8 300 600 0.5 300 0.3 0 0
			1	80 1 50 79 0.8 20 49 0.5 20 0.2 0 0
	30%		1	60 1 30 59 0.8 10 29 0.6 5 9 0.4 5 0.2 0 0

		20		1
		10	19	0.8
1		5	9	0.5
		5		0.3
		0	0	

					0			
			0.3		200	0.3		
					50-199	0.2		
					50	0.1		
			()		0.3		0	
							20	0.2
							20	0.1
			0.3		0.3		0	
							100	0.3
							50-100	0.2
			0.2		0.2		50	0.1
							0	0
	5	0.2						
0.3		0.3		4	0.1			
				2	0.3			
				2	0.2			

				1	0.1	0
				0.2	1000	0.2
		()		0.2	1000	0.1
						0
				0.3	20	0.3
				0.3	10-19	0.2
					10	0.1
						0
30%	30%			1	500	1
				1	200	499 0.8
					100	199 0.5
					100	0.3
					0	0
				1	200	1
				1	100	199 0.8
					50	99 0.5
					50	0.3

			0 0
		1	100 1 60 99 0.8 30 59 0.5 30 0.3 0 0
	30%	1	10 1 5 9 0.8 3 4 0.6 2 0.4 1 0.2 0 0
		1	6 1 4 5 0.6 2 3 0.4 1 0.2

			0 0
		1	5 1 4 0.8 3 0.6 2 0.4 1 0.2 0 0
	40%	1	30 1 20 29 0.8 10 19 0.5 5 9 0.3 5 0.1 0 0
		1	30 1 20 29 0.8 10 19 0.5

			5 9 0.3 5 0.1 0 0
		0.2	300 0.2 300 0.1 0
		0.3	10 0.3 5 9 0.2 5 0.1 0
		0.2	10 0.2 10 0.1 0
	()	0.3	3 0.3 2 0.2 1 0.1 0

			0.2	5 4 0 0	0.2 0.1
			0.3	2 2 1 0	0.3 0.2 0.1
		()	0.2	20 20 0	0.2 0.1
			0.3	5 3-4 1-2 0	0.3 0.2 0.1

2

V1.0

30%		1	1 5 1 0.8 1 5 0.5 1 0.3
		1	600 1 400 599 0.8 100 399 0.5 100 0.3 0 0
		1	300 1 200 299 0.8 100 199 0.5 100 0.3 0 0

30%		1	30 1 20 29 0.8 10 19 0.5 5 9 0.3 5 0.1 0 0
		2	20 2 10 19 1.5 5 9 1 5 0.5 0 0
40%		2	300 2 100 299 1.5 60 99 1 30 59 0.5 30 0.2 0 0

			0.2	300	0.2	
				300	0.1	
				0		
	()			0.3	100	0.3
					60	99 0.2
			30	59 0.1		
			30	0		
	()			0.2	10	0.2
				10	0.1	
				0		
()			0.3	3	0.3	
				2	0.2	
				1	0.1	
				0		
()			0.2	5	0.2	
				4	0.1	
				0	0	

			0.3	2 0.3 2 0.2 1 0.1 0
	()		0.2	20 0.2 20 0.1 0
			0.3	5 0.3 3-4 0.2 1-2 0.1 0