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倭色

空洞化

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가 가 가 , 가
가 가 , 가 3 7400
90 3 3500 11.6% 가 ,
91 , 가 90 6400
14.8% 가 7300
91 가 14.8% 90 14.2%
가 가
27% 가
13.6% 가 1 160
90 13.9% 5411 , 8043 90
13.5%가 가 ,
91 90 가 21.9% 13.9% ,
1257 , 23%
911 , 854 , 585
91 90 21.6%가 가
15.2% 519 ,
90
40.2%(2891), 34.3%(1665)
5.4% 가 .
33% 가 91 7.4% 가 4000 , 90
91
91 4072 90 4% .

50%

가 ,

< 1>

(1991)

(:)

	—	—	—	—	—	—	—	—	432	1,407	—	—	1,839
	—	—	224	—	—	—	—	—	—	—	—	—	224
	131	911	—	—	—	—	—	—	1,825	—	—	—	2,867
	—	—	—	—	—	—	—	—	—	1,231	—	—	1,231
	19	60	54	—	—	—	—	—	—	—	—	—	133
	1,968	585	400	8	—	—	4	—	2,539	31	—	127	5,662
	317	483	237	—	—	—	—	—	44	—	—	—	1,081
	—	—	—	—	—	—	—	970	—	—	—	—	970
	—	—	648	—	—	—	—	—	88	—	—	—	736
	88	318	—	—	—	—	—	—	—	—	—	—	406
	1,375	1,257	984	82	—	—	—	—	2,272	87	—	—	6,057
	—	—	—	—	—	—	—	—	1,491	—	—	—	1,491
	—	—	—	—	—	—	—	—	—	3,192	—	—	3,192
	27	56	—	—	—	—	—	612	490	424	—	—	1,609
	—	—	—	—	—	—	—	360	683	—	—	—	1,043
	—	—	—	—	—	—	—	790	—	—	—	—	790
	51	169	67	—	—	—	—	—	—	—	—	—	287
	—	—	—	—	—	322	—	—	—	—	—	—	322
	—	—	—	—	—	—	—	—	—	477	—	—	477
	—	854	—	—	—	—	—	450	—	—	—	—	1,304
	—	—	—	—	—	—	2,854	—	—	—	—	—	2,854
	19	479	—	—	—	—	—	—	—	—	—	—	498
	—	—	—	—	—	—	—	458	—	—	—	—	458
	—	70	112	—	—	—	—	—	—	—	—	—	182
	—	—	—	—	—	—	—	288	—	—	—	—	288
	—	—	—	—	—	—	—	—	276	—	—	—	276
	16	152	127	—	—	—	—	—	—	414	—	—	709
	—	—	—	—	—	—	—	4	21	14	—	19	58
	—	17	18	—	77	56	33	140	—	75	—	16	432
	4,011	5,411	2,871	90	77	378	2,891	4,072	10,161	7,352	—	162	37,476

970

29%

90 836

6%가

790

458

, 2%

가

가

가

가

가

91

5311

90

7.7%

1296

91

가 2000
H-AcidH-Acid
3000

Bayer · ICI

가

가
가

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가

< 2>

(: , %,)

		1989	1990		1991				1989	1990		1991	
		7,037	8,949	27.2	10,162	13.6			1,803	2,062	14.4	2,891	40.2
		3,211	4,546	41.6	5,434	19.5			1,383	948	31.5	770	18.8
		10,248	13,495	26.9	15,596	15.6			3,186	3,010	5.5	3,661	21.6
		6,652	9,576	36.0	10,627	11.0			2,038	1,770	13.2	1,996	12.8
		3,596	3,919	9.0	4,969	26.8			1,148	1,240	8.0	1,665	34.3
		10,248	13,495	26.9	15,596	15.6			3,186	3,010	5.5	3,661	21.6
		5,609	6,403	14.2	7,354	14.8			329	293	11.0	378	29.0
		4,999	5,821	16.4	6,427	10.4			417	494	18.5	491	0.6
		10,608	12,224	15.2	13,781	12.7			746	787	5.5	869	10.4
		10,049	11,435	13.8	12,735	11.4			687	699	1.7	793	13.4
		559	789	41.1	1,046	32.6			59	88	49.2	76	13.6
		10,608	12,224	15.2	13,781	12.7			746	787	5.5	869	10.4
		3,896	4,751	21.9	5,413	13.9			79	74	6.3	90	21.6
		2,193	2,336	6.5	2,630	12.6			701	612	12.7	519	15.2
		6,089	7,807	16.4	8,043	13.5			780	686	12.0	609	11.2
		5,649	6,348	12.4	7,157	12.7			775	684	11.7	609	11.0
		440	739	68.0	886	20.0			5	2	60.0	—	100.0
		6,089	7,087	16.4	8,043	13.5			780	686	12.0	609	11.2
		4,370	4,255	2.6	4,072	4.3			49	73	49.0	77	5.4
		—	—	—	—	—			—	929	100.0	867	6.7
		—	—	—	—	—			49	1,002	—	944	5.8
		—	—	—	—	—			49	1,000	—	936	6.4
		—	—	—	—	—			—	2	—	8	300
		—	—	—	—	—			49	1,002	—	944	5.8
		2,810	3,736	33.0	4,011	7.4			—	15	—	—	—
		255	304	19.2	272	10.5			60	60	0.0	62	3.3
		3,065	4,040	31.8	4,283	0.6			60	75	25	62	17.3
		1,137	1,234	8.5	1,599	29.6			60	75	25	62	17.3
		1,928	2,806	45.5	2,684	4.3			—	—	—	—	—
		3,065	4,040	31.8	4,283	0.6			60	75	25	62	17.3
		3,309	2,857	13.7	2,871	0.5			335	68	80.0	162	138.2
		252	262	4.0	345	31.7			185	192	3.8	237	23.4
		3,561	3,119	12.4	3,216	3.1			520	260	50.0	399	53.5
		3,103	2,661	14.2	2,719	2.2			495	219	55.8	358	63.5
		458	458	0.0	497	8.5			25	41	64	41	0.0
		3,561	3,119	12.4	3,216	3.1			520	260	50.0	399	53.5

)

6057 (40%) 2359

Bromamin Acid , 600

Sumitomo · Bayer · ICI

Blue 49 , 31

< 3> (1991) (:1000)

	2,540.8	—	2,540.8
	6,404.3	4,122.2	10,526.5
	419.2	74.9	494.1
	164.8	604.7	769.5
	3,215.1	2,395.1	5,610.2
	4,463.4	1,655.3	6,118.7
	164.5	80.5	245.0
	6,741.7	3,034.8	9,776.5
	24,113.9	11,967.5	36,081.4

)

< 4> (1991) (:1000)

	—	2,666.4	2,666.4
	183.8	330.2	514.0
	11,935.0	3,352.0	15,287.0
	2.3	339.5	341.8
	22,852.4	4,634.6	27,487.0
	—	885.1	885.1
	2,695.6	143.9	2,839.5
	858.5	697.4	1,555.8
	54.9	377.9	432.8
	22,931.2	4,894.9	27,826.1
	6,505.2	4,953.5	11,458.7
	5,750.6	9,377.5	15,128.1
	8,548.4	491.6	9,040.0
	1,591.4	333.9	1,925.3
	2,108.0	124.3	2,232.3
	—	3,765.3	3,765.3
	—	1,843.2	1,843.2
	143.0	5,020.9	5,163.9
	—	420.5	420.5
	83.8	66.1	149.9
	—	239.2	239.2
	143.6	120.9	164.6
	86,287.7	45,078.8	131,366.5

가 가

() 6000 2850 (300), 660 (50)

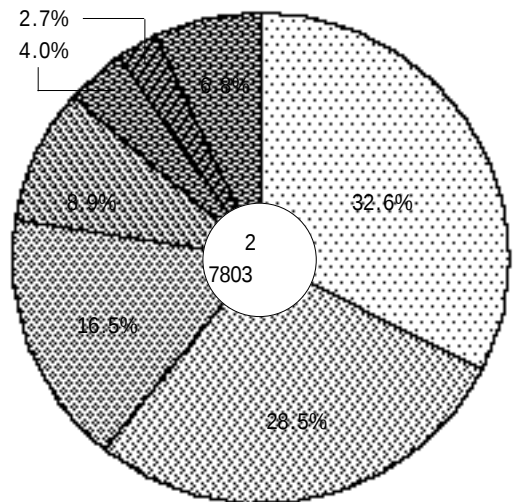
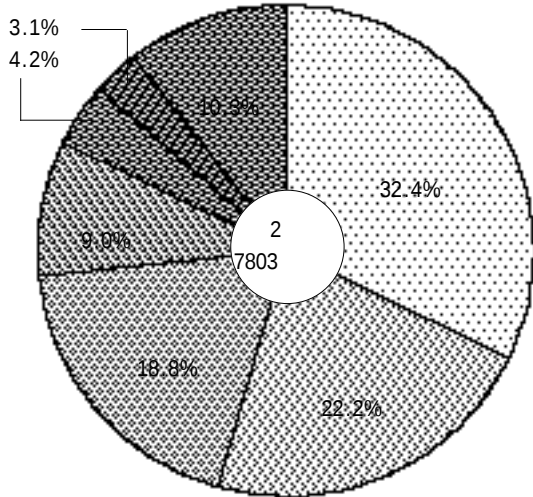
Red 343 · Green 9

가

가

< 1> 1991 가

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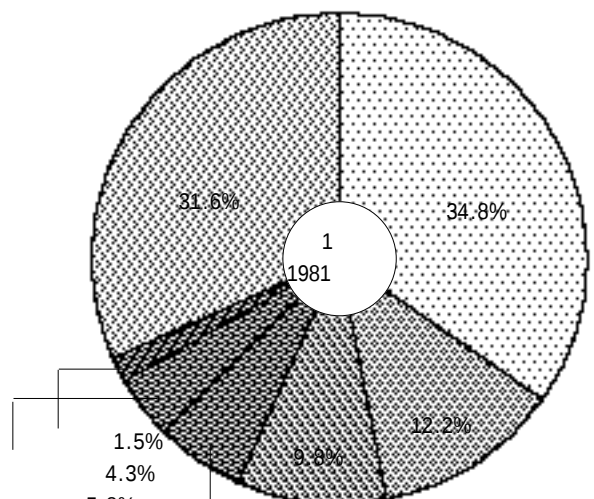
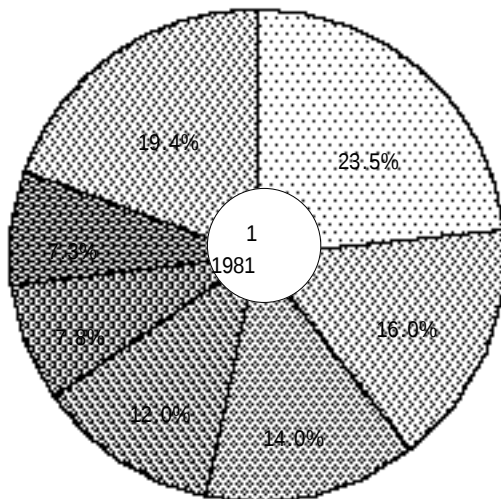


< 가 >

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< 2> 1991 가

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< 가 >

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()

50%

Sumitomo

Yellow54 · Yellow 64

5

91 () 1 8054 , 2 7803 90
9.3%, 12.5% 가 , 가 가 가

32.4%
(22.2%), (18.8%), (9.0%), (4.2%), (3.1%)
89 (35%)
가

1 , , 50%

가 , 89 2111
1 3654 15.5% , 90 1436 (8.8%),
30%가
1 8054 7.8% 1417

< 5>

(: , 1000 ,)

1991		1,495	611	104	60	65	195	1,154	161	17	181	48	4,091
3		20,403	9,863	1,551	1,227	1,177	5,461	17,048	3,124	204	682	1,274	62,014
1992		1,516	642	98	68	63	164	1,175	114	14	166	42	4,062
3		20,344	10,516	1,385	867	1,033	4,840	16,547	2,678	181	564	1,179	60,134
		1.4	5.2	5.2	13.5	2.9	15.8	1.8	29.1	17.2	7.9	12.9	0.6
		0.3	6.6	10.7	29.4	12.2	11.4	2.9	14.3	11.1	17.3	7.5	3.0

< 6>

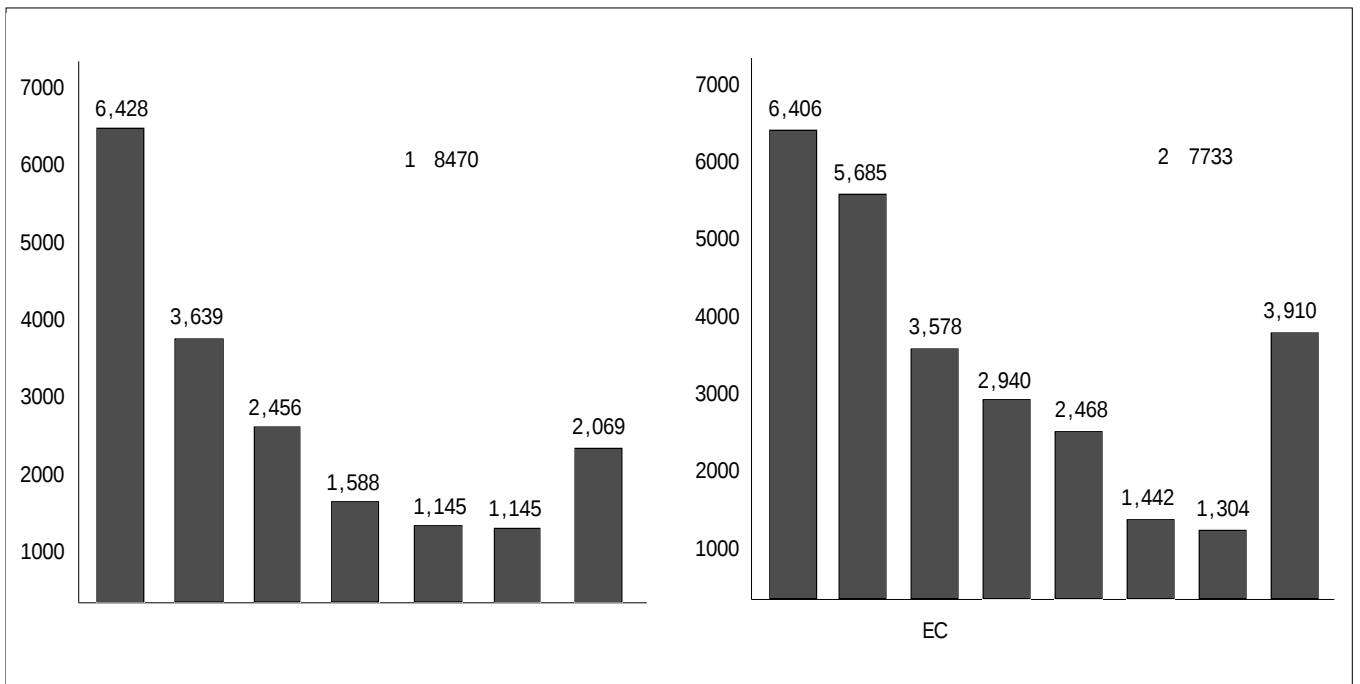
(: , 1000 ,)

1991		177	184	—	122	777	—	929	19	—	408	12	2,628
3		2,318	1,406	—	1,312	4,179	—	7,653	312	—	457	61	17,698
1992		267	236	—	158	628	—	1,434	18	—	351	21	3,113
3		2,918	2,104	—	1,659	3,549	—	11,562	328	—	422	160	22,702
		50.5	28.7	—	29.2	19.2	—	54.4	9.8	—	13.9	71.8	18.4
		25.9	49.6	—	26.5	15.1	—	51.1	5.1	—	7.6	161.7	28.3

가
, 1548 1182 1000
가 , 가
90 , 89 373 90 89 80.1%가
가 673 , 930 40% 가 가
가
가 , 32.6%

6427 90 5821 10.4% 가 , 90 12.5%
 9064 2000 가 가 , 가
 , 가
 28.5% 가 90
 19.5%, 17.4%가 가 5434 7918 5000 ,
 가 가
 가
 2630 12.6% 가 4585 1000 90 3709 7000
 23.6%가 가
 (8.9%), (4.0%), (2.7%)
 944 867 , 91.6%
 77 , 8

< 3> 가 (1991)



1981 가 , 90 1 389 15.3% 가 1
 23.5% , 14.0%

< 1992/7/15>