

2017

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(2017.12.18)

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2	6,603,341	5,554,638	1,048,703	18.9				
	8,000	8,000	0.1		95,737	3,512,878	53.1	
	3,857	3,857	0.0	/	548,155	1,948,510	29.5	
	880,528	5,408,776	81.9		-26,137	170,496	2.5	
	-46,200	466,300	7.0		147,581	232,697	3.5	
	200,518	689,472	10.4		91,232	230,096	3.4	
	2,000	3,600	0.0		-12,660	134,636	2.0	
	0	23,336	0.3		206,845	374,025	5.6	
					-2,050	3	0.0	

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									()	
				가						
1.					5,886,933	5,040,748	846,185			
1.					8,000	0	8,000			
	1.				8,000	0	8,000			
		1.			8,000	0	8,000			
			1.		8,000	0	8,000	()	: 8,000,000	8,000,000
2.					3,857	0	3,857			
	1.				3,857	0	3,857			
		1.			3,857	0	3,857			
			1.		3,857	0	3,857	()2017	:	3,857,000
								3,857,000 × 1 =		
3.					5,408,776	4,528,248	880,528			
	1.				5,408,776	4,528,248	880,528			
		1.			5,408,776	4,528,248	880,528			
			1.		3,357,346	3,357,346	0			
			2.		438,459	439,368	-909		: (438,459,000 × 1	-909,000
) - 439,368,000 =		
			3.		1,612,971	731,534	881,437	()	: (383,500,000	216,320,000
								× 1) - 167,180,000 =		
									: (357,025,000 × 1	-26,475,000
) - 383,500,000 =		
								()	: (1,920,000	960,000
								× 1) - 960,000 =		
								()	: (39,842,000	12,163,000
								× 1) - 27,679,000 =		
								()	: (53,666,000	13,824,000
								× 1) - 39,842,000 =		
								()	: (3,360,000 × 1	-27,600,000
) - 30,960,000 =		
								()	: (6,720,000 × 1	3,360,000
) - 3,360,000 =		
								()	: (18,295,550	9,479,000
								× 1) - 8,816,000 =		
								()	: (18,624,090	329,000
								× 1) - 18,295,000 =		
								()	: (29,362,910	10,738,000
								× 1) - 18,624,000 =		
								()	: (68,050,000	37,633,000
								× 1) - 30,417,000 =		
								()	:	340,000
								(28,340,000 × 1) - 28,000,000 =		
								()	:	-340,000
								(28,000,000 × 1) - 28,340,000 =		
								()	:	360,000
								(28,360,000 × 1) - 28,000,000 =		

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								()	
				가					
								() : -360,000	
								(28,000,000 × 1) - 28,360,000 =	
								() : (413,912,000 × 155,217,000	
								1) - 258,695,000 =	
								() : (436,480,000 × 22,568,000	
								1) - 413,912,000 =	
								() : (480,418,000 × 43,938,000	
								1) - 436,480,000 =	
								() : (481,314,000 × 896,000	
								1) - 480,418,000 =	
								() : 24,321,000	
								(73,139,000 × 1) - 48,818,000 =	
								() : 7,076,000	
								(80,215,000 × 1) - 73,139,000 =	
								() : 195,000	
								(80,410,000 × 1) - 80,215,000 =	
								() : 9,600,000	
								9,600,000 × 1 =	
								() : 409,000	
								× 1 =	
								() : (822,000	
								× 1) - 409,000 =	
								() : 3,000,000 × 1	
								=	
								() : 3,970,000 × 1 =	
								() : (8,970,000 × 1)	
								- 3,970,000 =	
								() : (12,220,000 × 1)	
								- 8,970,000 =	
								() : (7,220,000 × 1)	
								- 12,220,000 =	
								() : 9,000,000 × 1	
								=	
								() : 3,300,000	
								× 1 =	
								() 46	
								: 12,600,000 × 1 =	
								() 46	
								5,660,000 × 1 =	
								() : 700,000 ×	
								1 =	
								() 46	
								: 5,700,000 × 1 =	
								() :	
								4,000,000 × 1 =	
								() :	
								10,710,000 × 1 =	
								() :	
								5,720,000 × 1 =	
								() : 482,830 ×	
								1 =	
								() : 33,976,000	
								× 1 =	
								() : (36,613,000	
								× 1) - 33,976,000 =	

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								()	
				가					
								() : (36,746,000 133,000 × 1) - 36,613,000 =	
								() : 2,521,000 2,521,040 × 1 =	
								() 46 : 57,600,000 57,600,000 × 1 =	
								()2017 : 2,400,000 × 1 = 2,400,000	
								() : 1,000,000 × 1 = 1,000,000	
								() : 3,500,000 × 1 = 3,500,000	
								() : 81,911,000 × 1 = 81,911,000	
								() : 1,535,000 1,535,460 × 1 =	
								() : 17,142,000 17,142,830 × 1 =	
								() : 42,338,000 × 1 = 42,338,000	
								()2017 : 9,275,000 × 1 = 9,275,000	
								() : 200,000 × 1 = 200,000	
								() : 650,000 × 1 = 650,000	
								() : 6,163,000 × 1 = 6,163,000	
								() : 15,000,000 × 1 = 15,000,000	
								() : 20,000,000 20,000,000 × 1 =	
4.					466,300	512,500	-46,200		
	1.				2,500	2,500	0		
		1.			2,500	2,500	0		
			1.		2,500	2,500	0		
	2.				460,000	510,000	-50,000		
		1.			460,000	510,000	-50,000		
			1.		460,000	510,000	-50,000	: -50,000,000 × 1 = -50,000,000	
	3.				3,800	0	3,800		
		1.			3,800	0	3,800		
			1.		3,800	0	3,800	() 46 : 2,000,000 2,000,000 × 1 =	
								() : 300,000 × 3 = 900,000	
								() : 300,000 × 3 = 900,000	

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					()				
가									
2.					693,072	490,554	202,518		
1.					689,472	488,954	200,518		
1.					689,472	488,954	200,518		
1.					587,666	316,649	271,017		
1.					587,666	316,649	271,017	: 983,600 × 10 =	9,836,000
								: 430 × 4,223 =	1,816,000
								() : 155,217,000 × 1 =	155,217,000
								() : 22,568,000 × 1 =	22,568,000
								() : 43,938,000 × 1 =	43,938,000
								() : 896,000 × 1 =	896,000
								() : 33,976,000 × 1 =	33,976,000
								() : 2,637,000 × 1 =	2,637,000
								() : 133,000 × 1 =	133,000
2.					8,000	8,000	0		
1.					8,000	8,000	0		
3.					50,631	105,105	-54,474		
1.					50,631	105,105	-54,474	3 : -68,000 × 160 =	-10,880,000
								3 : -557,000 × 1 =	-557,000
								1 : -200,000 × 150 =	-30,000,000
								1 : 109,834 × 100 =	10,984,000
								2 : -2,692,500 × 1 =	-2,692,000
								2 : -21,329,940 × 1 =	-21,329,000
4.					8,800	8,800	0		
1.					8,800	8,800	0		
5.					14,400	14,400	0		
1.					14,400	14,400	0		
6.					19,975	36,000	-16,025		
1.					19,975	36,000	-16,025	() : -16,025,000 × 1 =	-16,025,000

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									()		
				가							
2.					3,600	1,600	2,000				
	1.				500	500	0				
		1.			500	500	0				
			1.		500	500	0				
	2.				3,100	1,100	2,000				
		1.				2,000	400	1,600			
			1.				2,000	400	1,600	: 160,000 × 10 =	1,600,000
		2.				1,100	700	400			
			1.				1,100	700	400	: 50,000 × 10 =	500,000
								: -100,000 × 1 =		-100,000	
	3.				23,336	23,336	0				
1.				23,336	23,336	0					
	1.			23,336	23,336	0					
		1.		23,336	23,336	0					
			1.	23,336	23,336	0					
			1.	23,336	23,336	0					
				6,603,341	5,554,638	1,048,703					

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								()
				가				()
1.					3,512,878	3,417,141	95,737	
1.					3,376,193	3,289,790	86,403	
	1.				3,126,525	3,045,286	81,239	
		1.			1,997,760	2,004,744	-6,984	
			1.		1,997,760	2,004,744	-6,984	-698,400 × 10 = -6,984,000
		2.			607,907	601,836	6,071	
			1.		218,313	216,033	2,280	1,300,000 × 1 = 1,300,000
								가 360,000 × 1 = 360,000
								가가 62,000 × 10 = 620,000
			2.		149,728	146,213	3,515	3,514,610 × 1 = 3,515,000
				3.가	28,420	23,700	4,720	가 604,000 × 10 = 6,040,000
								가 가 -110,000 × 12 = -1,320,000
				4.	7,467	9,328	-1,861	-465,475 × 4 = -1,861,000
				5.	960	960	0	
				6.	112,500	114,000	-1,500	-250,000 × 6 = -1,500,000
				7. 가 1	2,400	2,400	0	
				8. 가 2	7,560	7,560	0	
				9. 가 4	23,140	23,400	-260	-130,000 × 2 = -260,000
				10. 가 6	360	360	0	
				11.	52,070	53,070	-1,000	, -100,000 × 10 = -1,000,000
				12.	4,989	4,812	177	17,690 × 10 = 177,000
		3.			266,538	268,318	-1,780	
			1.		58,500	59,280	-780	-130,000 × 6 = -780,000
			2. 가		200,238	201,238	-1,000	가 -1,000,000 × 1 = -1,000,000
			3.		7,800	7,800	0	
		4.			172,409	170,388	2,021	
			1.		172,409	170,388	2,021	656,160 × 1 = 657,000
								100,000 × 10 = 1,000,000

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								()
				가				()
								21,760 × 10 = 218,000
								14,600 × 10 = 146,000
			5.		0	0	0	
			1.		0	0	0	
			6.		81,911	0	81,911	
			1.		81,911	0	81,911	() 81,910,080 × 1 = 81,911,000
		2.			249,668	244,504	5,164	
			1.		146,053	145,800	253	
			1.		146,053	145,800	253	252,380 × 1 = 253,000
			2.		40,912	36,997	3,915	
			1.		13,139	12,292	847	766,030 × 1 = 767,000
								가 80,000 × 1 = 80,000
			2.		14,084	13,386	698	697,300 × 1 = 698,000
			3.		853	591	262	130,710 × 2 = 262,000
			4.가		3,840	3,360	480	가 40,000 × 12 = 480,000
			5.		8,996	7,368	1,628	, 162,750 × 10 = 1,628,000
			3.		38,670	36,291	2,379	
			1.		7,800	7,800	0	
			2.가		14,962	14,648	314	가 313,650 × 1 = 314,000
			3.가		7,943	6,943	1,000	가 1,000,000 × 1 = 1,000,000
			4.		7,965	6,900	1,065	106,500 × 10 = 1,065,000
			4.		24,033	25,416	-1,383	
			1.		24,033	25,416	-1,383	-313,680 × 1 = -313,000
								-100,000 × 10 = -1,000,000
								-20,000 × 1 = -20,000
								-5,000 × 10 = -50,000
		2.			114,306	103,972	10,334	
			1.		86,644	48,772	37,872	

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								()
				가				()
			1.		25,684	32,956	-7,272	
			1.		23,480	30,200	-6,720	-2,255,380 × 3 = -6,766,000
								-560,000 × 1 = -560,000
								가 -50,000 × 7 = -350,000
								-647,600 × 1 = -647,000
								-130,000 × 2 = -260,000
								가 1,260,720 × 1 = 1,261,000
								-51,000 × 10 = -510,000
								() 482,000 × 1 = 482,000
								가 60,000 × 4 = 240,000
								130,000 × 3 = 390,000
			2.		2,204	2,756	-552	-121,030 × 2 = -242,000
								-100,000 × 2 = -200,000
								-5,000 × 2 = -10,000
								-10,000 × 6 = -60,000
								-10,000 × 4 = -40,000
			2.		10,200	7,000	3,200	
			1.		10,200	7,000	3,200	16,000 × 100 × 2 = 3,200,000
			3.		50,760	8,816	41,944	
			1.		46,713	7,880	38,833	() 2,055,600 × 3 = 6,167,000
								() 183,000 × 3 = 549,000
								() 1,902,200 × 6 = 11,414,000
								() 2,238,700 × 3 = 6,717,000
								() 681,120 × 1 = 682,000
								() 95,000 × 1 = 95,000
								() 270,000 × 1 = 270,000
								() 250,000 × 3 = 750,000
								() 250,000 × 6 = 1,500,000

: 2 (:)

								()
				가				
								() 250,000 × 3 = 750,000
								()가 40,000 × 3 = 120,000
								()가 40,000 × 3 = 120,000
								() 103,480 × 3 = 311,000
								() 103,000 × 6 = 618,000
								() 89,990 × 3 = 270,000
								() 130,000 × 3 = 390,000
								() 130,000 × 6 = 780,000
								() 130,000 × 3 = 390,000
								() 가 1,142,320 × 2 = 2,285,000
								() 가 1,233,360 × 1 = 1,234,000
								() 2,521,000 × 1 = 2,521,000
								() 75,000 × 3 = 225,000
								() 75,000 × 6 = 450,000
								() 75,000 × 3 = 225,000
				2.	200	0	200	() 200,000 × 1 = 200,000
				3.	3,847	936	2,911	() 150,000 × 3 = 450,000
								() -100,000 × 1 = -100,000
								() 124,000 × 6 = 744,000
								() 126,660 × 3 = 380,000
								() 80,870 × 3 = 243,000
								() -58,590 × 2 = -117,000
								() 84,000 × 6 = 504,000
								() 80,870 × 3 = 243,000
								() 5,290 × 3 = 16,000
								() -3,590 × 2 = -7,000
								() 5,520 × 6 = 34,000
								() 5,000 × 3 = 15,000

: 2 (:)

								()
				가				()
								() 24,460 × 3 = 74,000
								() -1,000 × 1 = -1,000
								() 24,800 × 6 = 149,000
								() 24,200 × 3 = 73,000
								() 16,930 × 3 = 51,000
								() 4,210 × 1 = 5,000
								() 17,170 × 6 = 104,000
								() 16,930 × 3 = 51,000
		2.			27,662	55,200	-27,538	
			1.		27,662	55,200	-27,538	
				1.	27,662	55,200	-27,538	() -2,300,000 × 12 = -27,600,000
								-60,000 × 6 = -360,000
								60,000 × 7 +1,730 422,000
								=
		3.			22,379	23,379	-1,000	
			1.		1,900	2,900	-1,000	
				1.	1,900	1,900	0	
					1,900	1,900	0	
			2.		0	500	-500	
				1.	0	500	-500	-50,000 × 10 = -500,000
			3.		0	500	-500	
				1.	0	500	-500	-50,000 × 10 = -500,000
		2.			20,479	20,479	0	
			1.		20,479	20,479	0	
				1.	20,479	20,479	0	
2.	/				1,948,510	1,400,355	548,155	
		1.			1,238,778	950,019	288,759	
			1.		1,238,778	950,019	288,759	
				1.	33,122	30,756	2,366	

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								()
				가				()
				1.	30,611	28,349	2,262	-83,550 × 1 = -83,000
								-55,700 × 3 = -167,000
								-24,600 × 1 = -24,000
								() 60,000 × 3 = 180,000
								() 60,000 × 3 = 180,000
								() 80,000 × 3 = 240,000
								() 80,000 × 3 = 240,000
								() 41,930 × 3 = 126,000
								() 50,000 × 3 = 150,000
								() 400,000 × 1 = 400,000
								() 250,000 × 1 = 250,000
								() 가 350,000 × 1 = 350,000
								() 가 150,000 × 2 = 300,000
								() 60,000 × 2 = 120,000
				2.	2,511	2,407	104	15,870 × 10 = 159,000
								1,069 × 10 = 11,000
								8,880 × 10 = 89,000
								-9,790 × 10 = -97,000
								-5,820 × 10 = -58,000
				2.	29,702	25,842	3,860	
				1.	27,581	24,245	3,336	-11,260 × 45 = -506,000
								742,000 × 1 = 742,000
								52,000 × 3 = 156,000
								() 가 77,333 × 3 = 232,000
								() 가 64,660 × 3 = 194,000
								() 가 25,000 × 1 = 25,000
								가 -87,412 × 10 = -874,000
								() 90,000 × 3 = 270,000

: 2 (:)

								()
				가				
								() 110,000 × 3 × 1 = 330,000
								() 70,000 × 2 = 140,000
								()가 40,000 × 3 = 120,000
								()가 40,000 × 3 = 120,000
								() 80,000 × 3 = 240,000
								() 80,000 × 3 = 240,000
								() 41,930 × 3 = 126,000
								() 50,000 × 3 = 150,000
								() 50,320 × 3 = 151,000
								() 60,000 × 3 = 180,000
								() 400,000 × 1 = 400,000
								() 250,000 × 1 = 250,000
								()가 350,000 × 1 = 350,000
								()가 150,000 × 2 = 300,000
				2.	2,121	1,597	524	24,645 × 10 = 247,000
								26,728 × 10 = 268,000
								9,230 × 1 = 10,000
								-9,325 × 2 = -18,000
								1,610 × 10 = 17,000
				3.	231,857	201,755	30,102	
				1.	215,296	188,744	26,552	() 71,000 × 8 = 568,000
								-1,000,000 × 4 = -4,000,000
								-1,000,000 × 4 = -4,000,000
								4,472,000 × 1 = 4,472,000
								284,000 × 1 = 284,000
								() 810,000 × 3 = 2,430,000
								() 810,000 × 3 = 2,430,000
								() 540,000 × 2 = 1,080,000

: 2 (:)

								()
				가				()
								() 150,970 × 8 = 1,208,000
								() 60,000 × 3 × 8 = 1,440,000
								()가 300,000 × 3 = 900,000
								()가 320,000 × 3 = 960,000
								()가 1,920,000 × 1 = 1,920,000
								()가 가 30,000 × 3 × 2 = 180,000
								()가 가 30,000 × 3 × 2 = 180,000
								()가 가 -30,000 × 9 × 2 = -540,000
								() 80,000 × 8 × 3 = 1,920,000
								() 80,000 × 3 × 8 = 1,920,000
								() 125,810 × 8 = 1,007,000
								() 50,000 × 3 × 8 = 1,200,000
								() 371,000 × 1 = 371,000
								() 372,000 × 1 = 372,000
								() 400,000 × 8 = 3,200,000
								() 250,000 × 8 = 2,000,000
								() 가 350,000 × 8 = 2,800,000
								() 가 150,000 × 8 +150,000 × 7 = 2,250,000
				2.	16,561	13,011	3,550	169,500 × 10 = 1,695,000
								222,500 × 10 = 2,225,000
								-25,000 × 10 = -250,000
								-12,000 × 10 = -120,000
				4.	784,808	528,489	256,319	
				1.	784,808	528,489	256,319	() 2,284,000 × 1 = 2,284,000
								() 21,864,500 × 6 = 131,187,000
								() 24,321,000 × 1 = 24,321,000
								() 56,544,000 × 1 = 56,544,000
								() 46,575,000 × 1 = 46,575,000

: 2 (:)

								()
				가				()
								() 195,000 × 1 = 195,000
								() 1,029,000 × 1 = 1,029,000
								() 3,750,000 × 6 = 22,500,000
								() 4,792,000 × 1 = 4,792,000
								-3,310,898 × 10 = -33,108,000
			5.		108,883	112,383	-3,500	
				1.	45,483	49,083	-3,600	-50,000 × 10 = -500,000
								-150,000 × 1 = -150,000
								100,000 × 4 = 400,000
								-109,600 × 10 = -1,096,000
								-349,030 × 10 = -3,490,000
								5,900 × 1 = 6,000
								() 88,660 × 15 × 1 = 1,330,000
								-300,000 × 1 × 1 = -300,000
								() 200,000 × 1 = 200,000
				2.	16,200	16,200	0	
				3.	22,200	19,200	3,000	300,000 × 10 = 3,000,000
				4.	24,000	27,000	-3,000	가 -300,000 × 10 = -3,000,000
				5.	510	510	0	
				6.	100	0	100	20,000 × 5 = 100,000
				7.	390	390	0	
			6.		16,606	14,790	1,816	
				1.	16,606	14,790	1,816	430 × 4,223 = 1,816,000
			7.		33,800	36,004	-2,204	
				1.	31,210	33,774	-2,564	-256,470 × 10 = -2,564,000
				2.	2,590	2,230	360	-13,000 × 10 = -130,000
								-880 × 10 = -8,000
								36,400 × 10 = 364,000

: 2 (:)

								()
				가				()
								7,720 × 10 = 78,000
								5,540 × 10 = 56,000
	2.				19,223	17,962	1,261	
		1. []			13,938	12,372	1,566	
		1.			0	3,055	-3,055	
			1.		0	3,055	-3,055	-6,500 × 470 × 1 = -3,055,000
		2.			200	200	0	
			1.		200	200	0	
		3.			3,966	4,545	-579	
			1.		3,966	4,545	-579	-27,200 × 21 = -571,000
								-8,150 × 1 -8,000
		4.			7,622	2,422	5,200	
			1.		300	300	0	
			2.		2,122	1,622	500	100,000 × 5 = 500,000
			3.		5,200	500	4,700	-500,000 × 1 = -500,000
								2,600,000 × 2 = 5,200,000
		5.			150	150	0	
			1.		150	150	0	
		6. []			2,000	2,000	0	
			1.		0	0	0	
			2.		1,949	1,949	0	
			3.		51	51	0	
	2.				5,285	5,590	-305	
		1.			3,890	3,190	700	
			1.		3,890	3,190	700	50,000 × 7 × 2 = 700,000
		2.			495	500	-5	
			1.		495	500	-5	-5,000 × 1 = -5,000
		3.			900	1,900	-1,000	

: 2 (:)

								()
				가				()
			1.		900	1,900	-1,000	= -1,000,000 × 1 -1,000,000
3.					544,912	258,695	286,217	
	1.				518,060	258,695	259,365	
		1.			481,314	258,695	222,619	
			1.		481,314	258,695	222,619	() 3,100 × 447 × 60 155,217,000 +1,550 × 60 × 775 =
								() 160 × 91 × 1,550 = 22,568,000
								() 43,938,000 × 1 = 43,938,000
								() 896,000 × 1 = 896,000
		2.			36,746	0	36,746	
			1.		36,746	0	36,746	() 160 33,976,000 × 137 × 1,550 =
								() 2,637,000 × 1 = 2,637,000
								() 133,000 × 1 = 133,000
	2.				9,600	0	9,600	
		1.			9,600	0	9,600	
			1.		9,600	0	9,600	() 30,000 × 320 9,600,000 × 1 =
	3.				5,720	0	5,720	
		1.			5,720	0	5,720	
			1.		5,720	0	5,720	() 110,000 × 52 = 5,720,000
	4.				822	0	822	
		1.			822	0	822	
			1.		822	0	822	() 204,500 409,000 × 2 =
								() 206,500 413,000 × 2 =
	5.				10,710	0	10,710	
		1.			10,710	0	10,710	
			1.		10,710	0	10,710	() 210,000 × 51 = 10,710,000
4.					145,597	173,679	-28,082	
	1.				70,150	70,150	0	
		1.			32,847	32,276	571	

: 2 (:)

								()
				가				()
				1.	29,821	29,614	207	50,000 × 1 = 50,000
								가 40,000 × 5 = 200,000
								가 150,000 × 3 = 450,000
								-11,860 × 50 = -593,000
								가 20,000 × 5 = 100,000
				2.	400	400	0	
				3.	2,626	2,262	364	30,880 × 1 = 31,000
								41,065 × 2 = 83,000
								-6,822 × 10 = -68,000
								16,995 × 2 = 34,000
								-1,621 × 10 = -16,000
								60,000 × 5 = 300,000
				2.	1,386	3,218	-1,832	
				1.	1,386	3,218	-1,832	-36,630 × 4 = -293,000
								× 2 = -7,000 = -525,000
								× 15 × 5 = -10,000 × 15 = -900,000
								× 6 = -15,000 × 27 = -424,000
								-19,000 = -12,500 × 2 = -25,000
								× 1 = -600,000 × 1 × 1 = -600,000
								26,710 = 935,000
								× 35 =
				3.	13,590	12,763	827	
				1.	1,260	1,500	-240	-30,000 × 8 = -240,000
								-35,000 × 2 × 1 = -70,000
				2.	9,337	8,263	1,074	= -70,000 × 1 = -70,000
								=
								107,000 × 1 = 107,000
								206,300 × 1 = 207,000
								-100,000 × 4 = -400,000
								-100,000 = -100,000
								× 1 × 1 =

: 2 (:)

								()
				가				()
								-15,000 × 20 = -600,000
								500,000 × 4 = 2,000,000
				3.	2,993	3,000	-7	-7,000 × 1 = -7,000
			4.		13,081	11,255	1,826	
				1.	1,530	1,650	-120	-30,000 × 4 = -120,000
				2.	10,877	8,880	1,997	-5,800 × 20 × 5 = -580,000
								-3,000 × 20 × 5 = -300,000
								17,250 × 10 × 4 = 690,000
								-77,500 × 4 = -310,000
								8,316 × 30 × 4 = 998,000
								520,000 × 1 = 520,000
								-750,000 × 2 × 1 = -1,500,000
								-25,000 × 2 × 1 = -50,000
								1,427,200 × 1 = 1,428,000
								-80,000 × 1 = -80,000
								50,000 × 2 × 12 = 1,200,000
								-19,090 × 1 = -19,000
				3.	674	725	-51	-51,700 × 1 = -51,000
			5.		3,425	6,321	-2,896	
				1.	2,299	5,021	-2,722	-100,000 × 3 × 1 = -300,000
								-9,688 × 125 × 2 = -2,422,000
				2.	1,126	1,300	-174	-174,000 × 1 = -174,000
			6.		5,821	4,317	1,504	
				1.	2,230	2,220	10	-100,000 × 3 = -300,000
								310,000 × 1 = 310,000
				2.	800	800	0	
				3.	1,500	97	1,403	35,075 × 40 = 1,403,000
				4.	1,291	1,200	91	-102,250 × 4 = -409,000

: 2 (:)

								()
				가				
								250,000 × 2 = 500,000
		2.			75,447	103,529	-28,082	
			1.		8,800	8,800	0	
				1.	8,800	8,800	0	
			2.		30,372	42,929	-12,557	
				1.	30,372	42,929	-12,557	-12,557,000 × 1 = -12,557,000
			3.		1,900	1,400	500	
				1.	1,900	1,400	500	250,000 × 2 = 500,000
			4.		19,975	36,000	-16,025	
				1.	19,975	36,000	-16,025	() = -16,025,000 × 1 -16,025,000
			5.	()	14,400	14,400	0	
				1.	14,400	14,400	0	
3.					170,496	196,633	-26,137	
	1.				71,393	47,453	23,940	
		1.			29,080	16,760	12,320	
			1.	()	2,880	2,880	0	
				1.	2,880	2,880	0	
			2.		1,080	1,080	0	
				1.	1,080	1,080	0	
			3.		5,000	0	5,000	
				1.	5,000	0	5,000	() 1,000,000 × 5 = 5,000,000
								() -1,000,000 × 5 = -5,000,000
								= 1,000,000 × 5 = 5,000,000
			4.		2,400	2,400	0	
				1.	2,400	2,400	0	
			5.		1,400	1,400	0	
				1.	1,300	1,300	0	
				2.	100	100	0	

: 2 (:)

								()
				가				()
			6.		9,000	9,000	0	
			1.		3,700	3,700	0	
			2.		5,012	4,700	312	15,000 × 1 = 15,000
								19,900 × 10 = 199,000
								× 1 = 50,000 × 1 = 50,000
								-7,167 × 30 = -215,000
								= -5,400 × 30 = -162,000
								= 14,160 × 30 = 425,000
			3.		288	600	-312	-31,200 × 10 = -312,000
			7.		7,220	0	7,220	
			1.		6,020	0	6,020	() 80,000 × 21 × 2 = 3,370,000
								+10,000 = () 662,500 × 4 = 2,650,000
			2.		1,200	0	1,200	() 50,000 × 6 × 2 = 600,000
								= () 50,000 × 6 × 2 = 600,000
			8.		100	0	100	
			1.		100	0	100	100,000 × 1 = 100,000
		2.			1,500	1,500	0	
		1.			700	700	0	
			1.		700	300	400	CD 200,000 × 2 = 400,000
			2.		0	400	-400	-10,000 × 40 = -400,000
		2.			800	800	0	
			1.		800	800	0	
		3.			0	0	0	
			1.		0	0	0	
		3.			1,270	1,270	0	
		1.			800	800	0	
			1.		800	800	0	CD -350,000 × 2 = -700,000
								70,000 × 10 = 700,000

: 2 (:)

								()
				가				()
			2.		470	470	0	
			1.		470	470	0	
			3.		0	0	0	
			1.		0	0	0	
		4.			4,660	1,660	3,000	
			1.		1,660	1,660	0	
			1.		1,660	700	960	30,000 × 32 = 960,000
			2.		0	960	-960	-12,000 × 40 × 2 = -960,000
			2.		0	0	0	
			1.		0	0	0	
			3.		0	0	0	
			1.		0	0	0	
			4.		3,000	0	3,000	
			1.		3,000	0	3,000	() 100,000 × 22 = 2,200,000
								-417,000 × 1 = -417,000
								() 160,000 × 5 = 800,000
								417,000 × 1 = 417,000
		5.			13,463	12,853	610	
			1.		2,685	2,085	600	
			1.		0	300	-300	가 -150,000 × 2 = -300,000
			2.		2,685	1,485	1,200	가 350,000 × 2 = 700,000
								500,000 × 1 = 500,000
			3.		0	300	-300	가 -20,000 × 15 = -300,000
			2.		10,778	10,768	10	
			1.		10,778	10,768	10	-640 × 470 = -300,000
								4,934 × 152 = 750,000
								-3,670 × 150 = -550,000
								5,000 × 22 = 110,000

: 2 (:)

								()
				가				()
			3.		0	0	0	
			1.		0	0	0	
			4.		0	0	0	
			1.		0	0	0	
		6. []			12,940	3,980	8,960	
			1.		2,000	2,000	0	
			1.		2,000	2,000	0	
			2.		1,020	1,020	0	
			1.		900	900	0	
			2.		120	120	0	
			3.		0	0	0	
			1.		0	0	0	
			4.		1,920	960	960	
			1.		1,920	960	960	() 30,000 × 32 = 960,000
			5.		8,000	0	8,000	
			1.		8,000	0	8,000	() 8,000,000 × 1 = 8,000,000
		7.			3,700	3,700	0	
			1.		1,800	1,800	0	
			1.		1,800	1,800	0	
			2.		1,900	1,900	0	
			1.		900	900	0	
			2.		1,000	1,000	0	
			3.		0	0	0	
			1.		0	0	0	
		8.			1,980	2,180	-200	
			1.		1,080	1,280	-200	
			1.		660	860	-200	-100,000 × 2 = -200,000
			2.		420	420	0	

: 2 (:)

								()
				가				()
			2.		0	0	0	
			1.		0	0	0	
			3.		900	900	0	
			1.		900	900	0	
		9.			2,800	3,550	-750	
		1.			800	1,100	-300	
			1.		600	900	-300	-100,000 × 3 = -300,000
			2.		200	200	0	
		2.			2,000	2,450	-450	
		1.			2,000	2,450	-450	-3,000 × 150 × 1 = -450,000
		3.			0	0	0	
		1.			0	0	0	
	2.				71,103	121,180	-50,077	
	1.				11,382	11,985	-603	
		1.	()		2,428	2,500	-72	
			1.		2,428	2,500	-72	-452,000 × 1 = -452,000
								-890,000 × 1 = -890,000
								500,000 × 1 = 500,000
								770,000 × 1 = 770,000
		2.			1,000	1,000	0	
		1.			1,000	1,000	0	
		3.			4,500	4,500	0	
		1.			4,500	4,500	0	
		4.			90	600	-510	
		1.			90	600	-510	-102,000 × 5 = -510,000
		5.			3,144	3,385	-241	
		1.			3,144	3,385	-241	-550,000 × 1 = -550,000
								265,000 × 1 = 265,000

: 2 (:)

								()
				가				
								43,190 × 1 = 44,000
			6.		220	0	220	
			1.		220	0	220	220,000 × 1 = 220,000
		2.			50,631	105,105	-54,474	
		1.			24,271	45,600	-21,329	
			1.		24,271	45,600	-21,329	-21,329,940 × 1 = -21,329,000
		2.			26,360	18,625	7,735	
			1.		26,360	18,625	7,735	1 -1,155,000 × 1 = -1,155,000
								1 -1,502,000 × 1 = -1,502,000
								1 47,000 × 1 = 47,000
								2 -660,000 × 2 = -1,320,000
								2 -1,374,000 × 1 = -1,374,000
								2 1,500 × 1 = 2,000
								3 154,000 × 5 = 770,000
								3 -1,392,000 × 1 = -1,392,000
								3 65,000 × 1 = 65,000
								1 13,593,420 × 1 = 13,594,000
		3.			0	40,880	-40,880	
			1.		0	40,880	-40,880	1 -200,000 × 150 = -30,000,000
								3 -68,000 × 160 = -10,880,000
		3.			5,700	700	5,000	
		1.			4,700	700	4,000	
			1.		4,700	700	4,000	() 147 × 1,726 × 13 +1,000 = 3,300,000
								() 8,139 × 86 = 700,000
		2.			1,000	0	1,000	
			1.		1,000	0	1,000	() 400,000 × 1 = 400,000
								() 8,500 × 30 × 2 = 510,000
								() 3,000 × 30 × 1 = 90,000

: 2 (:)

								()
				가				()
		4.			3,390	3,390	0	
			1.		1,110	1,110	0	
				1.	1,110	1,110	0	
			2.		2,280	2,280	0	
				1.	0	420	-420	-70,000 × 6 = -420,000
				2.	2,280	1,860	420	474,000 × 1 = 474,000
								-54,000 × 1 = -54,000
		3.			28,000	28,000	0	
			1.		28,000	28,000	0	
				1.	1,840	1,930	-90	
				1.	1,340	1,930	-590	-50,000 × 4 = -200,000
								-39,000 × 10 = -390,000
				2.	500	0	500	25,000 × 20 = 500,000
			2.		10,723	9,150	1,573	
				1.	0	250	-250	-50,000 × 5 = -250,000
				2.	10,723	8,900	1,823	11,066 × 128 × 2 = 2,833,000
								-550,000 × 3 = -1,650,000
								5,000 × 128 × 1 = 640,000
								=
			3.	,	13,976	14,540	-564	
				1.	6,300	7,200	-900	-30,000 × 30 = -900,000
				2.	7,676	7,340	336	336,000 × 1 = 336,000
			4.		1,461	2,380	-919	
				1.	200	1,400	-1,200	() -10,000 × 34 = -340,000
								() -10,000 × 36 = -360,000
								-50,000 × 10 = -500,000
				2.	0	280	-280	-280,000 × 1 = -280,000
				3.	1,261	700	561	() 340,000 × 1 = 340,000
								() 360,000 × 1 = 360,000

: 2 (:)

								()
				가				()
								-139,030 × 1 = -139,000
4.					232,697	85,116	147,581	
	1.				8,000	8,000	0	
		1.			8,000	8,000	0	
			1.		8,000	8,000	0	
				1.	7,680	7,680	0	
				2.	200	200	0	
				3.	120	120	0	
	2.				11,206	11,150	56	
		1.			11,206	11,150	56	
			1.		406	350	56	
				1.	406	350	56	55,730 × 1 = 56,000
			2.		10,800	10,800	0	
				1.	10,800	10,800	0	
	3.				213,491	65,966	147,525	
		1. []			213,491	65,966	147,525	
			1.		121,218	35,069	86,149	
				1.	28,941	13,710	15,231	() 1,542,000 × 6 = 9,252,000
								() 가 60,000 × 6 = 360,000
								() 80,000 × 6 = 480,000
								() 가 220,000 × 6 = 1,320,000
								() 60,000 × 6 = 360,000
								() 가 250,000 × 2 = 500,000
								() 54,710 × 17 = 931,000
								() () 2,028,000 × 1 = 2,028,000
				2.	1,000	1,000	0	
				3.	1,050	1,050	0	
				4.	87,995	18,100	69,895	() 500,000 × 14 = 7,000,000

: 2 (:)

								()		
				가				()		
								()	5,200,000 × 2	10,400,000
								=		
								()	3,600,000 × 1	3,600,000
								=		
								()	2,820,000 × 1	2,820,000
								=		
								()	7,726,000 × 2	15,452,000
								=		
								()	300,000 × 3 =	900,000
								()	900,000 × 1 =	900,000
								()	4,875,000 × 1	4,875,000
								=		
								()	300,000 × 16 =	4,800,000
								()	105,000 × 16 =	1,680,000
								()	1,600,000 × 1 =	1,600,000
								()	-1,600,000 × 1 =	-1,600,000
								()	250,000 × 4 =	1,000,000
								()	400,000 × 15 =	6,000,000
								()	1,200,000 × 2 =	2,400,000
								()	6,000,000 × 1	6,000,000
								=		
								()	625,000 × 2 =	1,250,000
								()	51,125 × 16 =	818,000
				5.	2,232	1,209	1,023	()	94,720 × 6 =	569,000
								()	5,810 × 6 =	35,000
								()	9,670 × 6 =	59,000
								()	56,310 × 6 =	338,000
								()	3,666 × 6	22,000
								=		
			2.		86,573	30,897	55,676			
				1.	37,433	17,557	19,876	()	2,056,000 × 6 =	12,336,000
								()	가 120,000 × 6 =	720,000
								()	가 200,000 × 6 =	1,200,000
								()	60,000 × 6 =	360,000
								()	80,000 × 6 =	480,000

: 2 (:)

								()
				가				()
				2.	46,097	11,800	34,297	() 가 250,000 × 2 = 500,000
								() 73,610 × 22 = 1,620,000
								() () 2,660,000 × 1 = 2,660,000
								() 4,400,000 × 1 = 4,400,000
								() 5,000,000 × 3 = 15,000,000
								() 1,037,000 × 1 = 1,037,000
								() 2,630,000 × 2 = 5,260,000
								() 500,000 × 4 = 2,000,000
								-4,869,000 × 1 = -4,869,000
								4,558,400 × 1 = 4,559,000
								-440,000 × 1 = -440,000
								() 1,000,000 × 1 = 1,000,000
								() 4,000,000 × 1 = 4,000,000
								750,000 × 1 = 750,000
								() 400,000 × 4 = 1,600,000
				3.	3,043	1,540	1,503	() 103,000 × 6 = 618,000
								() 15,940 × 6 = 96,000
								() 18,570 × 6 = 112,000
								() 106,166 × 6 = 637,000
								() 6,545 × 6 = 40,000
				3. []	5,700	0	5,700	
				1.	5,700	0	5,700	() 300,000 × 15 = 4,500,000
								() 300,000 × 4 = 1,200,000
5.					230,096	138,864	91,232	
					50,801	49,699	1,102	
					50,801	49,699	1,102	
					3,370	3,370	0	
					3,370	3,370	0	

: 2 (:)

								()
				가				()
			2.		1,950	1,500	450	
			1.		1,950	1,500	450	$1,500 \times 300 = 450,000$
			3.		4,600	4,600	0	
			1.		4,600	4,600	0	
			4.	가	3,799	4,200	-401	
			1.		3,799	4,200	-401	$-101,551 \times 1 = -101,000$
								$-3,000 \times 50 \times 2 = -300,000$
			5.		400	750	-350	
			1.		400	750	-350	$-23,340 \times 15 = -350,000$
			6.		3,600	3,600	0	
			1.		3,600	3,600	0	
			7.		953	500	453	
			1.		953	500	453	$-111,200 \times 1 = -111,000$
							가	$564,000 \times 1 = 564,000$
			8.		32,129	31,179	950	
			1.		29,735	28,785	950	() 가 $100,000 \times 5 = 500,000$
								() 가 $150,000 \times 1 = 150,000$
								가 $150,000 \times 2 = 300,000$
			2.		2,394	2,394	0	
			2.		18,511	15,296	3,215	
			1.		9,785	6,570	3,215	
			1.		460	460	0	
			1.		460	460	0	
			2.		605	750	-145	
			1.		400	450	-50	가 $-50,000 \times 1 = -50,000$
			2.		205	300	-95	$-95,500 \times 1 = -95,000$
			3.		6,720	3,360	3,360	
			1.		6,720	3,360	3,360	() $560,000 \times 6 = 3,360,000$

: 2 (:)

								()
				가				()
			4.We		2,000	2,000	0	
			1.		350	850	-500	-50,000 × 10 = -500,000
			2.		1,650	1,150	500	11,500 × 1 = 12,000
								-143,900 × 1 = -143,000
								343,000 × 1 = 343,000
								287,800 × 1 = 288,000
		2.			6,700	6,700	0	
			1.		700	700	0	
				1.	400	400	0	
				2.	300	300	0	
			2.OCTV		2,880	2,880	0	
				1.	2,880	2,880	0	
			3.		2,120	2,120	0	
				1.	2,120	2,120	0	
			4.		1,000	1,000	0	
				1.	1,000	1,000	0	175,000 × 1 = 175,000
								-5,000 × 35 = -175,000
		3.			2,026	2,026	0	
			1.		100	100	0	
				1.	100	100	0	
			2.		1,926	1,926	0	
				1.	1,926	1,926	0	
		3.			9,000	9,000	0	
			1.		9,000	9,000	0	
				1.	9,000	9,000	0	
				1.	2,400	2,400	0	
				2.	1,826	1,826	0	-139,000 × 1 = -139,000
								139,000 × 1 = 139,000

: 2 (:)

								()
				가				()
				3.	1,774	1,774	0	
				4.	3,000	3,000	0	
	4.				4,800	4,470	330	
		1.			4,800	4,470	330	
			1.		4,800	4,470	330	
				1.	4,800	4,470	330	Ghost Solution 330,000 × 1 = 330,000
	5.				146,984	60,399	86,585	
		1.			146,984	60,399	86,585	
			1.	PC	13,600	21,600	-8,000	
				1.	13,600	21,600	-8,000	-800,000 × 10 = -8,000,000
			2.		0	3,750	-3,750	
				1.	0	3,750	-3,750	LCD -250,000 × 15 = -3,750,000
			3.		2,730	2,650	80	
				1.	2,730	2,650	80	, 80,000 × 1 = 80,000
			4.		17,326	14,000	3,326	
				1.	3,326	0	3,326	3,326,000 × 1 = 3,326,000
				2.	6,000	0	6,000	6,000,000 × 1 = 6,000,000
				3.	8,000	14,000	-6,000	-400,000 × 10 = -4,000,000
								-250,000 × 4 = -1,000,000
								-50,000 × 20 = -1,000,000
			5.		13,010	4,199	8,811	
				1.	9,199	4,199	5,000	1,000,000 × 5 = 5,000,000
				2.	3,811	0	3,811	500,000 × 2 = 1,000,000
								314,270 × 6 = 1,886,000
								225,000 × 1 = 225,000
								700,000 × 1 = 700,000
			6.		10,000	12,800	-2,800	
				1.	10,000	12,800	-2,800	-2,800,000 × 1 = -2,800,000

: 2 (:)

								()
				가				()
			7.가		2,480	1,400	1,080	
			1.		2,480	1,400	1,080	가 180,000 × 6 = 1,080,000
			8.		3,500	0	3,500	
			1.		3,500	0	3,500	() 3,500,000 × 1 = 3,500,000
			9.		42,338	0	42,338	
			1.		42,338	0	42,338	() 2,689,000 × 2 = 5,378,000
								() 2,310,000 × 5 = 11,550,000
								() 6,150,000 × 1 = 6,150,000
								() 19,260,000 × 1 = 19,260,000
			10.		7,000	0	7,000	
			1.		7,000	0	7,000	875,000 × 8 = 7,000,000
			11.		20,000	0	20,000	
			1.		20,000	0	20,000	() 가 265,180 × 50 = 13,259,000
								() 62,000 × 30 = 1,860,000
								() 492,750 × 8 = 3,942,000
								() 156,500 × 6 = 939,000
			12.		15,000	0	15,000	
			1.		5,680	0	5,680	() 142,000 × 5 × 8 = 5,680,000
			2.		9,320	0	9,320	() 182,300 × 32 = 5,834,000
								() 520,000 × 2 = 1,040,000
								() 223,000 × 2 = 446,000
								() 1,000,000 × 2 = 2,000,000
6.					134,636	147,296	-12,660	
	1.				59,203	74,204	-15,001	
		1.			45,898	43,379	2,519	
			1.		5,588	5,588	0	
			1.		600	600	0	
			2.		1,880	1,880	0	

: 2 (:)

								()
				가				()
				3.	3,108	3,108	0	
			2.		23,677	22,200	1,477	
				1.	6,433	7,200	-767	-141,000 -1 = -141,000
								-13,050 x 48 = -626,000
				2.	16,104	13,860	2,244	33,000 x 34 x 2 = 2,244,000
				3.	1,140	1,140	0	
			3.		16,633	15,591	1,042	
				1.	13,838	13,296	542	-100,000 x 2 = -200,000
								11,000 x 1 = 11,000
								50,000 x 4 = 200,000
								15,171 x 35 = 531,000
				2.	500	0	500	500,000 x 1 = 500,000
				3.	1,980	1,980	0	
				4.	315	315	0	
			2.		13,305	30,825	-17,520	
			1.		13,305	30,825	-17,520	
				1.	12,250	28,825	-16,575	-1,601,200 x 7 = -11,208,000
								-55,000 x 16 = -880,000
								-60,000 x 7 = -420,000
								-12,488 x 5 = -62,000
								가 -100,000 x 7 = -700,000
								가 -70,000 x 7 = -490,000
								-80,000 x 7 = -560,000
								-22,000 x 1 = -22,000
								-250,000 x 2 = -500,000
								() -1,900,000 x 1 = -1,900,000
								166,660 x 1 = 167,000
				2.	1,055	2,000	-945	-32,118 x 7 = -224,000

: 2 (:)

								()
				가				()
								-82,300 × 7 = -576,000
								-10,010 × 7 = -70,000
								-8,625 × 7 = -60,000
								-2,217 × 7 = -15,000
	2.				74,274	71,482	2,792	
		1.			74,274	71,482	2,792	
			1.		34,579	34,579	0	
				1.	21,600	21,600	0	
				2.	2,400	2,400	0	
				3.	10,579	10,579	0	
			2.		434	434	0	
				1.	434	434	0	
			3.		6,965	6,665	300	
				1.	6,965	6,665	300	300,000 × 1 = 300,000
			4.		25,942	20,440	5,502	
				1.	25,942	20,440	5,502	-100,000 × 8 = -800,000
								100,000 × 6 = 600,000
								5,180,000 × 1 = 5,180,000
								521,730 × 1 = 522,000
			5.		1,500	1,500	0	
				1.	1,500	1,500	0	
			6.		3,864	3,864	0	
				1.	3,864	3,864	0	
			7.		990	4,000	-3,010	
				1.	990	4,000	-3,010	-2,000,000 × 2 = -4,000,000
								990,000 × 1 = 990,000
	3.				1,159	1,610	-451	
		1.			900	1,000	-100	

: 2 (:)

								()
				가				()
			1.		900	1,000	-100	
			1.		0	100	-100	-20,000 × 5 = -100,000
			2.		900	900	0	
		2.			259	610	-351	
		1.			180	350	-170	
		1.			44	150	-106	-106,000 × 1 = -106,000
		2.			136	200	-64	-64,000 × 1 = -64,000
		2.			79	260	-181	
		1.			0	100	-100	-10,000 × 10 = -100,000
		2.			79	160	-81	-81,710 × 1 = -81,000
7.					374,025	167,180	206,845	
	1.				374,025	167,180	206,845	
		1.			374,025	167,180	206,845	
		1.			22,747	23,300	-553	
		1.			22,747	23,300	-553	-40,000 × 1 = -40,000
								-513,000 × 1 = -513,000
		2.			117,958	143,880	-25,922	
		1.			117,958	143,880	-25,922	-25,922,000 × 1 = -25,922,000
		3.	()		177,280	0	177,280	
		1.			177,280	0	177,280	() () 177,280,000 × 1 = 177,280,000
		4.	(LED)		39,040	0	39,040	
		1.			39,040	0	39,040	() (LED) × 1 = 39,040,000 39,040,000
		5.			17,000	0	17,000	
		1.			17,000	0	17,000	17,000,000 × 1 = 17,000,000
8.					3	2,053	-2,050	
	1.				3	2,053	-2,050	
		1.			3	2,053	-2,050	
		1.			3	2,053	-2,050	

2017

: 2 (:)

								()
				가				
				1.	3	2,053	-2,050	-2,050,000 × 1 = -2,050,000
					6,603,341	5,554,638	1,048,703	