

LIQUIDADOR ALTERNO PARA CALCULAR INTERESES DE MORA

LIQUIDACIÓN DE CAPITAL E INTERESES DE MORA EN CUOTAS DE ALIMENTOS	
Liquidado HASTA (Año/Mes):	
Liquidado DESDE (Año/Mes):	
Tasa de interés moratoria equivalente al interés judicial (6%efectivo anual covertido a 0,4867% Nom	

		Cuota	Capital	Capital	Abono a	Tasa de	Meses
Año	Mes	Mensual	Acumulado	En Mora	Capital	Interés	Liquid.
2009	01		\$0	\$0		0.49	1.0
2009	02	\$0	\$0	\$0		0.49	1.0
2009	03	\$0	\$0	\$0		0.49	1.0
2009	04	\$0	\$0	\$0		0.49	1.0
2009	05	\$0	\$0	\$0		0.49	1.0
2009	06	\$0	\$0	\$0		0.49	1.0
2009	07	\$0	\$0	\$0		0.49	1.0
2009	08	\$0	\$0	\$0		0.49	1.0
2009	09	\$0	\$0	\$0		0.49	1.0
2009	10	\$124,225	\$124,225	\$124,225		0.50	1.0
2009	11	\$124,225	\$248,450	\$248,450		0.50	1.0
2009	12	\$124,225	\$372,675	\$372,675		0.50	1.0
2010	01	\$128,750	\$501,425	\$501,425		0.50	1.0
2010	02	\$128,750	\$630,175	\$630,175		0.50	1.0
2010	03	\$128,750	\$758,925	\$758,925		0.50	1.0
2010	04	\$128,750	\$887,675	\$887,675		0.50	1.0
2010	05	\$128,750	\$1,016,425	\$1,016,425		0.50	1.0
2010	06	\$128,750	\$1,145,175	\$1,145,175		0.50	1.0
2010	07	\$128,750	\$1,273,925	\$1,273,925		0.50	1.0
2010	08	\$128,750	\$1,402,675	\$1,402,675		0.50	1.0
2010	09	\$128,750	\$1,531,425	\$1,531,425		0.50	1.0
2010	10	\$128,750	\$1,660,175	\$1,660,175		0.50	1.0
2010	11	\$128,750	\$1,788,925	\$1,788,925		0.50	1.0
2010	12	\$128,750	\$1,917,675	\$1,917,675		0.50	1.0
2011	01	\$133,900	\$2,051,575	\$2,051,575		0.50	1.0
2011	02	\$133,900	\$2,185,475	\$2,185,475		0.50	1.0
2011	03	\$133,900	\$2,319,375	\$2,319,375		0.50	1.0
2011	04	\$133,900	\$2,453,275	\$2,453,275		0.50	1.0
2011	05	\$133,900	\$2,587,175	\$2,587,175		0.50	1.0
2011	06	\$133,900	\$2,721,075	\$2,721,075		0.50	1.0
2011	07	\$133,900	\$2,854,975	\$2,854,975		0.50	1.0
2011	08	\$133,900	\$2,988,875	\$2,988,875		0.50	1.0
2011	09	\$133,900	\$3,122,775	\$3,122,775		0.50	1.0
2011	10	\$133,900	\$3,256,675	\$3,256,675		0.50	1.0
2011	11	\$133,900	\$3,390,575	\$3,390,575		0.50	1.0
2011	12	\$133,900	\$3,524,475	\$3,524,475		0.50	1.0
2012	01	\$141,675	\$3,666,150	\$3,666,150		0.50	1.0
2012	02	\$141,675	\$3,807,825	\$3,807,825		0.50	1.0
2012	03	\$141,675	\$3,949,500	\$3,949,500		0.50	1.0
2012	04	\$141,675	\$4,091,175	\$4,091,175		0.50	1.0
2012	05	\$141,675	\$4,232,850	\$4,232,850		0.50	1.0
2012	06	\$141,675	\$4,374,525	\$4,374,525		0.50	1.0
2012	07	\$141,675	\$4,516,200	\$4,516,200		0.50	1.0
2012	08	\$141,675	\$4,657,875	\$4,657,875		0.50	1.0
2012	09	\$141,675	\$4,799,550	\$4,799,550		0.50	1.0
2012	10	\$141,675	\$4,941,225	\$4,941,225		0.50	1.0
2012	11	\$141,675	\$5,082,900	\$5,082,900		0.50	1.0
2012	12	\$141,675	\$5,224,575	\$5,224,575		0.50	1.0

2013	01	\$147,375	\$5,371,950	\$5,371,950		0.50	1.0
2013	02	\$147,375	\$5,519,325	\$5,519,325		0.50	1.0
2013	03	\$147,375	\$5,666,700	\$5,666,700		0.50	1.0
2013	04	\$147,375	\$5,814,075	\$5,814,075		0.50	1.0
2013	05	\$147,375	\$5,961,450	\$5,961,450		0.50	1.0
2013	06	\$147,375	\$6,108,825	\$6,108,825		0.50	1.0
2013	07	\$147,375	\$6,256,200	\$6,256,200		0.50	1.0
2013	08	\$147,375	\$6,403,575	\$6,403,575		0.50	1.0
2013	09	\$147,375	\$6,550,950	\$6,550,950		0.50	1.0
2013	10	\$147,375	\$6,698,325	\$6,698,325		0.50	1.0
2013	11	\$147,375	\$6,845,700	\$6,845,700		0.50	1.0
2013	12	\$147,375	\$6,993,075	\$6,993,075		0.50	1.0
2014	01	\$154,000	\$7,147,075	\$7,147,075		0.50	1.0
2014	02	\$154,000	\$7,301,075	\$7,301,075		0.50	1.0
2014	03	\$154,000	\$7,455,075	\$7,455,075		0.50	1.0
2014	04	\$154,000	\$7,609,075	\$7,609,075		0.50	1.0
2014	05	\$154,000	\$7,763,075	\$7,763,075		0.50	1.0
2014	06	\$154,000	\$7,917,075	\$7,917,075		0.50	1.0
2014	07	\$154,000	\$8,071,075	\$8,071,075		0.50	1.0
2014	08	\$154,000	\$8,225,075	\$8,225,075		0.50	1.0
2014	09	\$154,000	\$8,379,075	\$8,379,075		0.50	1.0
2014	10	\$154,000	\$8,533,075	\$8,533,075		0.50	1.0
2014	11	\$154,000	\$8,687,075	\$8,687,075		0.50	1.0
2014	12	\$154,000	\$8,841,075	\$8,841,075		0.50	1.0
2015	01	\$161,088	\$9,002,163	\$9,002,163		0.50	1.0
2015	02	\$161,088	\$9,163,251	\$9,163,251		0.50	1.0
2015	03	\$161,088	\$9,324,339	\$9,324,339		0.50	1.0
2015	04	\$161,088	\$9,485,427	\$9,485,427		0.50	1.0
2015	05	\$161,088	\$9,646,515	\$9,646,515		0.50	1.0
2015	06	\$161,088	\$9,807,603	\$9,807,603		0.50	1.0
2015	07	\$161,088	\$9,968,691	\$9,968,691		0.50	1.0
2015	08	\$161,088	\$10,129,779	\$10,129,779		0.50	1.0
2015	09	\$161,088	\$10,290,867	\$10,290,867		0.50	1.0
2015	10	\$161,088	\$10,451,955	\$10,451,955		0.50	1.0
2015	11	\$161,088	\$10,613,043	\$10,613,043		0.50	1.0
2015	12	\$161,088	\$10,774,131	\$10,774,131		0.50	1.0
2016	01	\$172,364	\$10,946,495	\$10,946,495		0.50	1.0
2016	02	\$172,364	\$11,118,859	\$11,118,859		0.50	1.0
2016	03	\$172,364	\$11,291,223	\$11,291,223		0.50	1.0
2016	04	\$172,364	\$11,463,587	\$11,463,587		0.50	1.0
2016	05	\$172,364	\$11,635,951	\$11,635,951		0.50	1.0
2016	06	\$172,364	\$11,808,315	\$11,808,315		0.50	1.0
2016	07	\$172,364	\$11,980,679	\$11,980,679		0.50	1.0
2016	08	\$172,364	\$12,153,043	\$12,153,043		0.50	1.0
2016	09	\$172,364	\$12,325,407	\$12,325,407		0.50	1.0
2016	10	\$172,364	\$12,497,771	\$12,497,771		0.50	1.0
2016	11	\$172,364	\$12,670,135	\$12,670,135		0.50	1.0
2016	12	\$172,364	\$12,842,499	\$12,842,499		0.50	1.0
2017	01	\$184,429	\$13,026,928	\$13,026,928		0.50	1.0
2017	02	\$184,429	\$13,211,357	\$13,211,357		0.50	1.0
2017	03	\$184,429	\$13,395,786	\$13,395,786		0.50	1.0
2017	04	\$184,429	\$13,580,215	\$13,580,215		0.50	1.0
2017	05	\$184,429	\$13,764,644	\$13,764,644		0.50	1.0
2017	06	\$184,429	\$13,949,073	\$13,949,073		0.50	1.0
2017	07	\$184,429	\$14,133,502	\$14,133,502		0.50	1.0
2017	08	\$184,429	\$14,317,931	\$14,317,931		0.50	1.0
2017	09	\$184,429	\$14,502,360	\$14,502,360		0.50	1.0
2017	10	\$184,429	\$14,686,789	\$14,686,789		0.50	1.0
2017	11	\$184,429	\$14,871,218	\$14,871,218		0.50	1.0
2017	12	\$184,429	\$15,055,647	\$15,055,647		0.50	1.0
2018	01	\$195,311	\$15,250,958	\$15,250,958		0.50	1.0
2018	02	\$195,311	\$15,446,269	\$15,446,269		0.50	1.0
2018	03	\$195,311	\$15,641,580	\$15,641,580		0.50	1.0
2018	04	\$195,311	\$15,836,891	\$15,836,891		0.50	1.0

2018	05	\$195,311	\$16,032,202	\$16,032,202		0.50	1.0
2018	06	\$195,311	\$16,227,513	\$16,227,513		0.50	1.0
2018	07	\$195,311	\$16,422,824	\$16,422,824		0.50	1.0
2018	08	\$195,311	\$16,618,135	\$16,618,135		0.50	1.0
2018	09	\$195,311	\$16,813,446	\$16,813,446		0.50	1.0
2018	10	\$195,311	\$17,008,757	\$17,008,757		0.50	1.0
2018	11	\$195,311	\$17,204,068	\$17,204,068		0.50	1.0
2018	12	\$195,311	\$17,399,379	\$17,399,379		0.50	1.0
2019	01	\$207,029	\$17,606,408	\$17,606,408		0.50	1.0
2019	02	\$207,029	\$17,813,437	\$17,813,437		0.50	1.0
2019	03	\$207,029	\$18,020,466	\$18,020,466		0.50	1.0
2019	04	\$207,029	\$18,227,495	\$18,227,495		0.50	1.0
2019	05	\$207,029	\$18,434,524	\$18,434,524		0.50	1.0
2019	06	\$207,029	\$18,641,553	\$18,641,553		0.50	1.0
2019	07	\$207,029	\$18,848,582	\$18,848,582		0.50	1.0
2019	08	\$207,029	\$19,055,611	\$19,055,611		0.50	1.0
2019	09	\$207,029	\$19,262,640	\$19,262,640		0.50	1.0
2019	10	\$207,029	\$19,469,669	\$19,469,669		0.50	1.0
2019	11	\$207,029	\$19,676,698	\$19,676,698		0.50	1.0
2019	12	\$207,029	\$19,883,727	\$19,883,727		0.50	1.0
2020	01	\$219,451	\$20,103,178	\$20,103,178		0.50	1.0
2020	02	\$219,451	\$20,322,629	\$20,322,629		0.50	1.0
2020	03	\$219,451	\$20,542,080	\$20,542,080		0.50	1.0
2020	04	\$219,451	\$20,761,531	\$20,761,531		0.50	1.0
2020	05	\$219,451	\$20,980,982	\$20,980,982		0.50	1.0
2020	06	\$219,451	\$21,200,433	\$21,200,433		0.50	1.0
2020	07	\$219,451	\$21,419,884	\$21,419,884		0.50	1.0
2020	08	\$219,451	\$21,639,335	\$21,639,335		0.50	1.0
2020	09	\$219,451	\$21,858,786	\$21,858,786		0.50	1.0
2020	10	\$219,451	\$22,078,237	\$22,078,237		0.50	1.0
2020	11	\$219,451	\$22,297,688	\$22,297,688		0.50	1.0
2020	12	\$219,451	\$22,517,139	\$22,517,139		0.50	1.0
2021	01	\$227,132	\$22,744,271	\$22,744,271		0.50	1.0
2021	02	\$227,132	\$22,971,403	\$22,971,403		0.50	1.0
2021	03	\$227,132	\$23,198,535	\$23,198,535		0.50	1.0
2021	04	\$227,132	\$23,425,667	\$23,425,667		0.50	1.0
2021	05	\$227,132	\$23,652,799	\$23,652,799		0.50	1.0
2021	06	\$227,132	\$23,879,931	\$23,879,931		0.50	1.0
2021	07	\$227,132	\$24,107,063	\$24,107,063		0.50	1.0
2021	08	\$227,132	\$24,334,195	\$24,334,195		0.50	1.0
2021	09	\$227,132	\$24,561,327	\$24,561,327		0.50	1.0
2021	10	\$227,132	\$24,788,459	\$24,788,459		0.50	1.0
2021	11	\$227,132	\$25,015,591	\$25,015,591		0.50	1.0
2021	12	\$227,132	\$25,242,723	\$25,242,723		0.50	1.0
2022	01	\$250,000	\$25,492,723	\$25,492,723		0.50	1.0
2022	02	\$250,000	\$25,742,723	\$25,742,723		0.50	1.0
2022	03	\$250,000	\$25,992,723	\$25,992,723		0.50	1.0
2022	04	\$250,000	\$26,242,723	\$26,242,723		0.50	1.0
2022	05	\$250,000	\$26,492,723	\$26,492,723		0.50	1.0
2022	06	\$250,000	\$26,742,723	\$26,742,723		0.50	1.0
2022	07	\$250,000	\$26,992,723	\$26,992,723		0.50	1.0
2022	08	\$250,000	\$27,242,723	\$27,242,723		0.50	1.0
2022	09	\$250,000	\$27,492,723	\$27,492,723		0.50	1.0
2022	10	\$250,000	\$27,742,723	\$27,742,723		0.50	1.0
2022	11	\$250,000	\$27,992,723	\$27,992,723		0.50	1.0
2022	12	\$250,000	\$28,242,723	\$28,242,723		0.50	1.0
2023	01	\$290,000	\$28,532,723	\$28,532,723		0.50	1.0
2023	02	\$290,000	\$28,822,723	\$28,822,723		0.50	1.0
2023	03	\$290,000	\$29,112,723	\$29,112,723		0.50	1.0
2023	04	\$290,000	\$29,402,723	\$29,402,723		0.50	1.0
2023	05	\$290,000	\$29,692,723	\$29,692,723		0.50	1.0
2023	06	\$290,000	\$29,982,723	\$29,982,723		0.50	1.0
2023	07	\$290,000	\$30,272,723	\$30,272,723		0.50	1.0
2023	08	\$290,000	\$30,562,723	\$30,562,723		0.50	1.0

2023	09	\$290,000	\$30,852,723	\$30,852,723		0.50	1.0
2023	10	\$290,000	\$31,142,723	\$31,142,723		0.50	1.0

Total Capital
\$31,142,723.00

Saldo total de la obligación
\$42,423,726.55

Intereses liquidados de acuerdo al artículo 2232 del Código Civil (interés legal: 6%efectivo an
ARTICULO 2232. <PRESUNCION DE INTERESES LEGALES>. Si en la convención se estipulan intereses sin expres
El interés legal se fija en un seis por ciento anual.

TABLA INFORMATIVA INCREMENTO PORCENTUAL SALARIO MÍNIMO MENSUAL LEG					
AÑO	1993	1994	1995	1996	1997
SMMLV	25.00%	21.10%	20.50%	19.50%	21.00%
AÑO	2001	2002	2003	2004	2005
SMMLV	10.00%	8.00%	7.40%	7.80%	6.60%
AÑO	2009	2010	2011	2012	2013
SMMLV	7.70%	3.60%	4.00%	5.80%	4.02%
AÑO	2017	2018	2019	2020	2021
SMMLV	7.00%	5.90%	6.00%	6.00%	5.62%

EN CUOTAS DE ALIMENTOS.

Año	Mes	Tasa de interes mensual
2023	10	
2009	10	
Final mensual Art. 2232 del Código Civil):		0.49

Interés Mensual	Interés Acumulado	Abono a Intereses
\$0.00	\$0.00	
\$0.00	\$0.00	
\$0.00	\$0.00	
\$0.00	\$0.00	
\$0.00	\$0.00	
\$0.00	\$0.00	
\$0.00	\$0.00	
\$0.00	\$0.00	
\$0.00	\$0.00	
\$0.00	\$0.00	
\$0.00	\$0.00	
\$621.13	\$621.13	
\$1,242.25	\$1,863.38	
\$1,863.38	\$3,726.75	
\$2,507.13	\$6,233.88	
\$3,150.88	\$9,384.75	
\$3,794.63	\$13,179.38	
\$4,438.38	\$17,617.75	
\$5,082.13	\$22,699.88	
\$5,725.88	\$28,425.75	
\$6,369.63	\$34,795.38	
\$7,013.38	\$41,808.75	
\$7,657.13	\$49,465.88	
\$8,300.88	\$57,766.75	
\$8,944.63	\$66,711.38	
\$9,588.38	\$76,299.75	
\$10,257.88	\$86,557.63	
\$10,927.38	\$97,485.00	
\$11,596.88	\$109,081.88	
\$12,266.38	\$121,348.25	
\$12,935.88	\$134,284.13	
\$13,605.38	\$147,889.50	
\$14,274.88	\$162,164.38	
\$14,944.38	\$177,108.75	
\$15,613.88	\$192,722.63	
\$16,283.38	\$209,006.00	
\$16,952.88	\$225,958.88	
\$17,622.38	\$243,581.25	
\$18,330.75	\$261,912.00	
\$19,039.13	\$280,951.13	
\$19,747.50	\$300,698.63	
\$20,455.88	\$321,154.50	
\$21,164.25	\$342,318.75	
\$21,872.63	\$364,191.38	
\$22,581.00	\$386,772.38	
\$23,289.38	\$410,061.75	
\$23,997.75	\$434,059.50	
\$24,706.13	\$458,765.63	
\$25,414.50	\$484,180.13	

\$26,122.88	\$510,303.00	
\$26,859.75	\$537,162.75	
\$27,596.63	\$564,759.38	
\$28,333.50	\$593,092.88	
\$29,070.38	\$622,163.25	
\$29,807.25	\$651,970.50	
\$30,544.13	\$682,514.63	
\$31,281.00	\$713,795.63	
\$32,017.88	\$745,813.50	
\$32,754.75	\$778,568.25	
\$33,491.63	\$812,059.88	
\$34,228.50	\$846,288.38	
\$34,965.38	\$881,253.75	
\$35,735.38	\$916,989.13	
\$36,505.38	\$953,494.50	
\$37,275.38	\$990,769.88	
\$38,045.38	\$1,028,815.25	
\$38,815.38	\$1,067,630.63	
\$39,585.38	\$1,107,216.00	
\$40,355.38	\$1,147,571.38	
\$41,125.38	\$1,188,696.75	
\$41,895.38	\$1,230,592.13	
\$42,665.38	\$1,273,257.50	
\$43,435.38	\$1,316,692.88	
\$44,205.38	\$1,360,898.25	
\$45,010.82	\$1,405,909.07	
\$45,816.26	\$1,451,725.32	
\$46,621.70	\$1,498,347.02	
\$47,427.14	\$1,545,774.15	
\$48,232.58	\$1,594,006.73	
\$49,038.02	\$1,643,044.74	
\$49,843.46	\$1,692,888.20	
\$50,648.90	\$1,743,537.09	
\$51,454.34	\$1,794,991.43	
\$52,259.78	\$1,847,251.20	
\$53,065.22	\$1,900,316.42	
\$53,870.66	\$1,954,187.07	
\$54,732.48	\$2,008,919.55	
\$55,594.30	\$2,064,513.84	
\$56,456.12	\$2,120,969.96	
\$57,317.94	\$2,178,287.89	
\$58,179.76	\$2,236,467.65	
\$59,041.58	\$2,295,509.22	
\$59,903.40	\$2,355,412.62	
\$60,765.22	\$2,416,177.83	
\$61,627.04	\$2,477,804.87	
\$62,488.86	\$2,540,293.72	
\$63,350.68	\$2,603,644.40	
\$64,212.50	\$2,667,856.89	
\$65,134.64	\$2,732,991.53	
\$66,056.79	\$2,799,048.32	
\$66,978.93	\$2,866,027.25	
\$67,901.08	\$2,933,928.32	
\$68,823.22	\$3,002,751.54	
\$69,745.37	\$3,072,496.91	
\$70,667.51	\$3,143,164.42	
\$71,589.66	\$3,214,754.07	
\$72,511.80	\$3,287,265.87	
\$73,433.95	\$3,360,699.82	
\$74,356.09	\$3,435,055.91	
\$75,278.24	\$3,510,334.14	
\$76,254.79	\$3,586,588.93	
\$77,231.35	\$3,663,820.28	
\$78,207.90	\$3,742,028.18	

\$79,184.46	\$3,821,212.63	
\$80,161.01	\$3,901,373.64	
\$81,137.57	\$3,982,511.21	
\$82,114.12	\$4,064,625.33	
\$83,090.68	\$4,147,716.00	
\$84,067.23	\$4,231,783.23	
\$85,043.79	\$4,316,827.02	
\$86,020.34	\$4,402,847.36	
\$86,996.90	\$4,489,844.25	
\$88,032.04	\$4,577,876.29	
\$89,067.19	\$4,666,943.48	
\$90,102.33	\$4,757,045.81	
\$91,137.48	\$4,848,183.28	
\$92,172.62	\$4,940,355.90	
\$93,207.77	\$5,033,563.67	
\$94,242.91	\$5,127,806.58	
\$95,278.06	\$5,223,084.63	
\$96,313.20	\$5,319,397.83	
\$97,348.35	\$5,416,746.18	
\$98,383.49	\$5,515,129.67	
\$99,418.64	\$5,614,548.30	
\$100,515.89	\$5,715,064.19	
\$101,613.15	\$5,816,677.34	
\$102,710.40	\$5,919,387.74	
\$103,807.66	\$6,023,195.39	
\$104,904.91	\$6,128,100.30	
\$106,002.17	\$6,234,102.47	
\$107,099.42	\$6,341,201.89	
\$108,196.68	\$6,449,398.56	
\$109,293.93	\$6,558,692.49	
\$110,391.19	\$6,669,083.68	
\$111,488.44	\$6,780,572.12	
\$112,585.70	\$6,893,157.81	
\$113,721.36	\$7,006,879.17	
\$114,857.02	\$7,121,736.18	
\$115,992.68	\$7,237,728.86	
\$117,128.34	\$7,354,857.19	
\$118,264.00	\$7,473,121.19	
\$119,399.66	\$7,592,520.84	
\$120,535.32	\$7,713,056.16	
\$121,670.98	\$7,834,727.13	
\$122,806.64	\$7,957,533.77	
\$123,942.30	\$8,081,476.06	
\$125,077.96	\$8,206,554.02	
\$126,213.62	\$8,332,767.63	
\$127,463.62	\$8,460,231.25	
\$128,713.62	\$8,588,944.86	
\$129,963.62	\$8,718,908.48	
\$131,213.62	\$8,850,122.09	
\$132,463.62	\$8,982,585.71	
\$133,713.62	\$9,116,299.32	
\$134,963.62	\$9,251,262.94	
\$136,213.62	\$9,387,476.55	
\$137,463.62	\$9,524,940.17	
\$138,713.62	\$9,663,653.78	
\$139,963.62	\$9,803,617.40	
\$141,213.62	\$9,944,831.01	
\$142,663.62	\$10,087,494.63	
\$144,113.62	\$10,231,608.24	
\$145,563.62	\$10,377,171.86	
\$147,013.62	\$10,524,185.47	
\$148,463.62	\$10,672,649.09	
\$149,913.62	\$10,822,562.70	
\$151,363.62	\$10,973,926.32	

\$152,813.62	\$11,126,739.93	
\$154,263.62	\$11,281,003.55	

Total Intereses
<b>\$11,281,003.55</b>

ual covertido a 0,4867% Nominal mensual)

arse la cuota, se entenderán fijados los intereses legales.

SAL VIGENTE DESDE EL AÑO 1993		
1998	1999	2000
18.50%	16.00%	10.00%
2006	2007	2008
6.90%	6.30%	6.40%
2014	2015	2016
4.50%	4.60%	7.00%
2022	2023	
13.12%	10.99%	



