

5	-15	2	NR		Kaina	Pajamos	
			100	10			
			TC	TC_isv			
		0	0	100	-35	280	0.0
		25	0.05	98.25163	-34.9026	280	6993.8
		50	0.1	96.51281	-34.6213	280	13975.0
		75	0.15	94.79228	-34.1738	279	20943.8
		100	0.2	93.09788	-33.5793	279	27900.0
		125	0.25	91.43646	-32.8583	279	34843.8
		150	0.3	89.8138	-32.0321	279	41775.0
		175	0.35	88.23463	-31.1228	278	48693.8
		200	0.4	86.70254	-30.1527	278	55600.0
		225	0.45	85.22	-29.144	278	62493.8
		250	0.5	83.78842	-28.1185	278	69375.0
		275	0.55	82.40808	-27.0975	277	76243.8
		300	0.6	81.07827	-26.1006	277	83100.0
		325	0.65	79.79731	-25.1463	277	89943.8
		350	0.7	78.56265	-24.2509	277	96775.0
		375	0.75	77.371	-23.4284	276	103593.8
		400	0.8	76.21841	-22.6899	276	110400.0
		425	0.85	75.10047	-22.0434	276	117193.8
		450	0.9	74.01246	-21.493	276	123975.0
		475	0.95	72.94956	-21.039	275	130743.8
		500	1	71.90703	-20.6771	275	137500.0
		525	1.05	70.88047	-20.3979	275	144243.8
		550	1.1	69.8661	-20.1869	275	150975.0
		575	1.15	68.86098	-20.0238	274	157693.8
		600	1.2	67.86335	-19.8822	274	164400.0
		625	1.25	66.87294	-19.7291	274	171093.8
		650	1.3	65.8913	-19.5246	274	177775.0
		675	1.35	64.92212	-19.2219	273	184443.8
		700	1.4	63.97165	-18.7661	273	191100.0
		725	1.45	63.04909	-18.0949	273	197743.8
		750	1.5	62.16692	-17.1377	273	204375.0
		775	1.55	61.34141	-15.8151	272	210993.8
		800	1.6	60.59296	-14.0395	272	217600.0
		825	1.65	59.94661	-11.714	272	224193.8
		850	1.7	59.43248	-8.73262	272	230775.0
		875	1.75	59.0862	-4.97985	271	237343.8
		900	1.8	58.94943	-0.33075	271	243900.0
		925	1.85	59.07031	5.34942	271	250443.8
		950	1.9	59.50396	12.20529	271	256975.0
		975	1.95	60.313	20.39152	270	263493.8
		1000	2	61.56802	30.07287	270	270000.0
		1025	2.05	63.34812	41.42436	270	276493.8
		1050	2.1	65.74138	54.63128	270	282975.0
		1075	2.15	68.84543	69.88931	269	289443.8
		1100	2.2	72.76792	87.40458	269	295900.0
		1125	2.25	77.62711	107.3937	269	302343.8
		1150	2.3	83.5523	130.0836	269	308775.0
		1175	2.35	90.68444	155.7122	268	315193.8

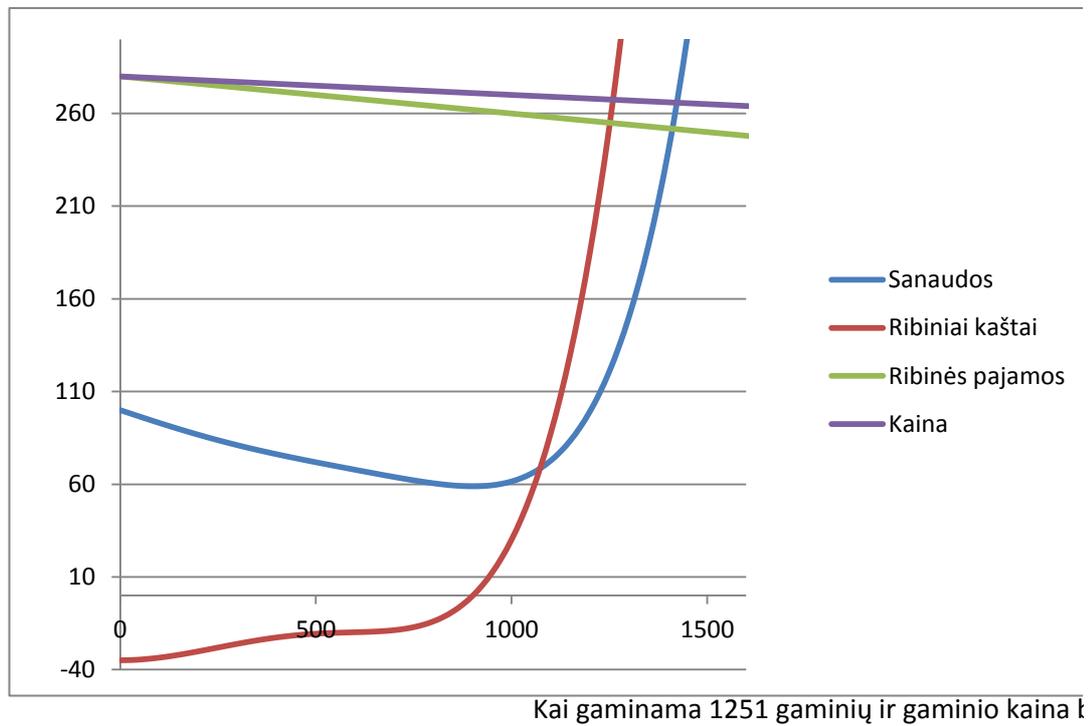
1200	2.4	99.17662	184.5275	268	321600.0
1225	2.45	109.1946	216.7883	268	327993.8
1250	2.5	120.9174	252.7643	268	334375.0
1275	2.55	134.5376	292.7353	267	340743.8
1300	2.6	150.2623	336.9922	267	347100.0
1325	2.65	168.3133	385.8366	267	353443.8
1350	2.7	188.9276	439.5806	267	359775.0
1375	2.75	212.3584	498.5473	266	366093.8
1400	2.8	238.875	563.0708	266	372400.0
1425	2.85	268.7638	633.4959	266	378693.8
1450	2.9	302.3288	710.1785	266	384975.0
1475	2.95	339.8921	793.486	265	391243.8
1500	3	381.7942	883.7966	265	397500.0
1525	3.05	428.3949	981.5002	265	403743.8
1550	3.1	480.0741	1086.998	265	409975.0
1575	3.15	537.2316	1200.704	264	416193.8
1600	3.2	600.2883	1323.042	264	422400.0
1625	3.25	669.6869	1454.451	264	428593.8
1650	3.3	745.8921	1595.379	264	434775.0
1675	3.35	829.3912	1746.289	263	440943.8
1700	3.4	920.6953	1907.657	263	447100.0
1725	3.45	1020.339	2079.972	263	453243.8
1750	3.5	1128.883	2263.734	263	459375.0
1775	3.55	1246.912	2459.462	262	465493.8
1800	3.6	1375.038	2667.684	262	471600.0
1825	3.65	1513.898	2888.945	262	477693.8
1850	3.7	1664.159	3123.806	262	483775.0
1875	3.75	1826.515	3372.843	261	489843.8
1900	3.8	2001.689	3636.645	261	495900.0
1925	3.85	2190.435	3915.82	261	501943.8
1950	3.9	2393.538	4210.993	261	507975.0
1975	3.95	2611.812	4522.803	260	513993.8
2000	4	2846.106	4851.91	260	520000.0
2025	4.05	3097.303	5198.989	260	525993.8
2050	4.1	3366.316	5564.735	260	531975.0
2075	4.15	3654.099	5949.861	259	537943.8
2100	4.2	3961.638	6355.1	259	543900.0
2125	4.25	4289.957	6781.202	259	549843.8
2150	4.3	4640.119	7228.941	259	555775.0
2175	4.35	5013.225	7699.108	258	561693.8
2200	4.4	5410.417	8192.515	258	567600.0
2225	4.45	5832.877	8709.998	258	573493.8
2250	4.5	6281.832	9252.41	258	579375.0
2275	4.55	6758.549	9820.63	257	585243.8
2300	4.6	7264.34	10415.56	257	591100.0
2325	4.65	7800.565	11038.11	257	596943.8
2350	4.7	8368.627	11689.23	257	602775.0
2375	4.75	8969.98	12369.9	256	608593.8
2400	4.8	9606.126	13081.09	256	614400.0
2425	4.85	10278.62	13823.83	256	620193.8
2450	4.9	10989.05	14599.14	256	625975.0

2475	4.95	11739.09	15408.1	255	631743.8
2500	5	12530.44	16251.78	255	637500.0
2525	5.05	13364.87	17131.3	255	643243.8
2550	5.1	14244.19	18047.78	255	648975.0
2575	5.15	15170.28	19002.39	254	654693.8
2600	5.2	16145.08	19996.3	254	660400.0
2625	5.25	17170.58	21030.73	254	666093.8

Ribinės pajamos

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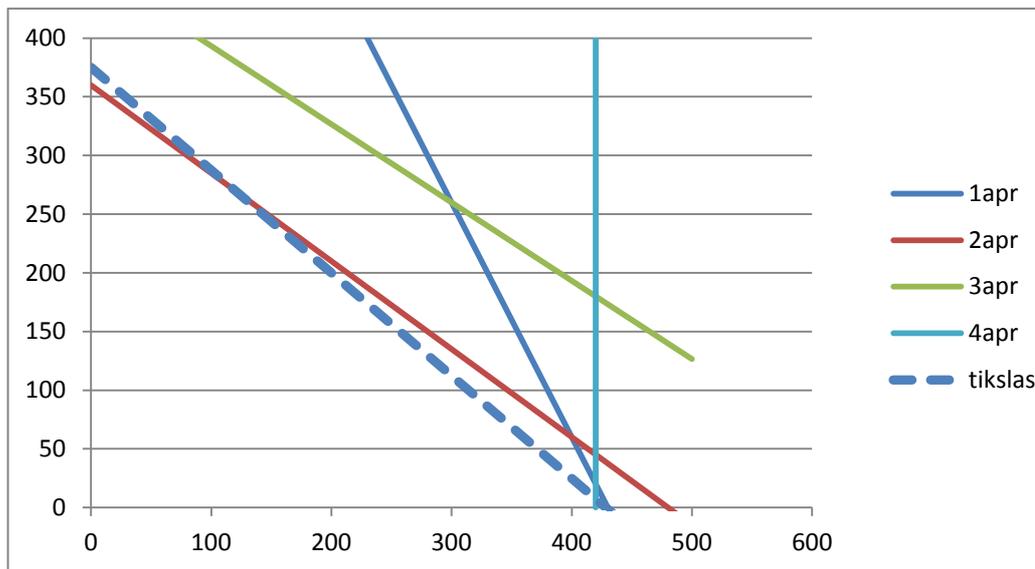
us 268 lt.

- Pelnų funkcija: $C=14*x +16*y$
- Apribojimai:
 - $8x+4y \leq 3440$ (žaliavų apribojimas)
 - $6x+8y \leq 2880$ (darbo apribojimas)
 - $4x+6y \leq 2760$ (įrengimų pajėgumo apr.)
 - $0 \leq x \leq 420$ (pardavimų kiekio aprib.)
 - $y \geq 0$ (min pardavimų kiekis)

Tikslas: 6000

X	1apr	2apr	3apr	tikslas	4apr
0	860	360	460	375	420
10	840	353	453	366	420
20	820	345	447	358	420
30	800	338	440	349	420
40	780	330	433	340	420
50	760	323	427	331	420
60	740	315	420	323	420
70	720	308	413	314	420
80	700	300	407	305	420
90	680	293	400	296	420
100	660	285	393	288	420
110	640	278	387	279	420
120	620	270	380	270	420
130	600	263	373	261	420
140	580	255	367	253	420
150	560	248	360	244	420
160	540	240	353	235	420
170	520	233	347	226	420
180	500	225	340	218	420
190	480	218	333	209	420
200	460	210	327	200	420
210	440	203	320	191	420
220	420	195	313	183	420
230	400	188	307	174	420
240	380	180	300	165	420
250	360	173	293	156	420
260	340	165	287	148	420
270	320	158	280	139	420
280	300	150	273	130	420
290	280	143	267	121	420
300	260	135	260	113	420
310	240	128	253	104	420
320	220	120	247	95	420
330	200	113	240	86	420
340	180	105	233	78	420
350	160	98	227	69	420

360	140	90	220	60	420
370	120	83	213	51	420
380	100	75	207	43	420
390	80	68	200	34	420
400	60	60	193	25	420
410	40	53	187	16	420
420	20	45	180	8	420
430	0	38	173	-1	420
440	-20	30	167	-10	420
450	-40	23	160	-19	420
460	-60	15	153	-28	420
470	-80	8	147	-36	420
480	-100	0	140	-45	420
490	-120	-8	133	-54	420
500	-140	-15	127	-63	



Surasim su Goal seek kur kertasi 1 ir 2 apribojimų kreivės

X	1apr	2apr	1apr-2apr
400	60	60	0

Reiškia $x=400$, $y=60$ ir tikslo funkcijos reikšmė:

6560

Bazinis kint	Kiekis	X	Y	S1	S2	S3
Tikslo f.:C=	0	14	16	0	0	0
S1-medž.	3440	-8	-4	-1	0	0
S2-darbas	2880	-6	-8	0	-1	0
S3-įreng.	2760	-4	-6	0	0	-1
S4-pard.	420	-1	0	0	0	0

Pasirenkamas kintamasis, kurio koeficientas TF didžiausias
Pasirenkama ta lygtis, kurioje laisvo nario ir pasirinkto kintamojo santykis yra ma

Bazinis kint	Kiekis	X	S2	S1	S2	S3
Tikslo f.:C=	5760	2	0	0	-2	0
S1-medž.	2000	-5	0	-1	0.5	0
Y	360	-0.75	-1	0	-0.125	0
S3-įreng.	600	0.5	0	0	0.75	-1
S4-pard.	420	-1	0	0	0	0

nukopijuojam ir pakoreguojam formules

Bazinis kint	Kiekis	X	S2	S1	S2	S3
Tikslo f.:C=	6560	0	0	-0.4	-1.8	0
S1-medž.	400	-1	0	-0.2	0.1	0
Y	60	0	-1	0.15	-0.2	0
S3-įreng.	800	0	0	-0.1	0.8	-1
S4-pard.	20	0	0	0.2	-0.1	0

S4
0
0
0
0
0
-1

Santykis

860

360

460

#DIV/0!

Bazinis kint	Kiekis	Y	Z	S1	S2
Tikslo f.:C=	0	28	24	0	0
S1-medž.	332	-8	-5	-1	0
S2-	290	-5	-8	0	-1
S3-įreng.	32	0	-1	0	0

žiausias

S4
0
0
0
0
-1

Santykis

400

480

-1200

420

Bazinis kint	Kiekis	S1	S2	S1	S2
Tikslo f.:C=	1162	0	6.5	-3.5	0
Y	41.5	-1	-0.625	-0.125	0
S2	82.5	0	-4.875	0.625	-1
S3-įreng.	32	0	-1	0	0

nukopijuojam ir pakoreguojam formules

S4
0
0
0
0
-1

Bazinis kint	Kiekis	X	S2	S1	S2
Tikslo f.:C=	1178.6	-0.4	6.25	-3.55	0
S1-medž.	8.3	-0.2	-0.125	-0.025	0
Y	76.275	0.15	-4.78125	0.64375	-1
S3-įreng.	36.15	-0.1	-1.0625	-0.0125	0
S4-pard.	-8.3	0.2	0.125	0.025	0

S3	
0	
0	Santykis 41.5
0	58
-1	#DIV/0!

S3		2333.3333
0		676.3285
0		170
0		463.76812
-1		633.76812

S3	
0	
0	
0	
-1	
0	

	Efektyvumas	Kiekis	Kiekio riba	Efektyvumas kai <=10	Efektyvumas kai >10	Reklamos kaina už vnt.	Vis reklamos kaina	Pardavimai nuo 1 vnt.
Radio	1000	20	25	60	40	1700	34000	30000
TV	1075	15	25	80	55	2800	42000	60000
Spauda	350	5	25	70	35	1200	6000	45000
Viso:	2425	40					82000	
Riba:							72000	

Pardavimai viso

600000

900000

225000

1725000

1800000