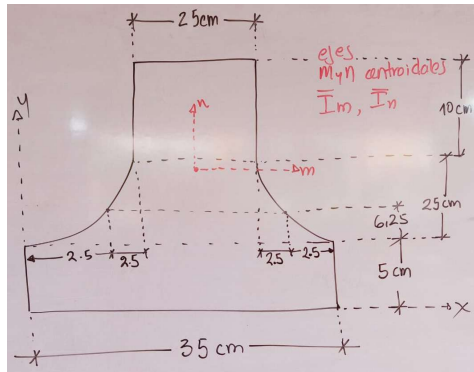
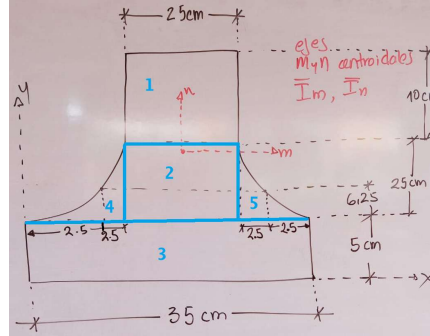
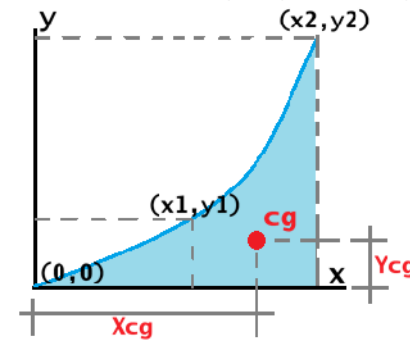




División en subáreas:

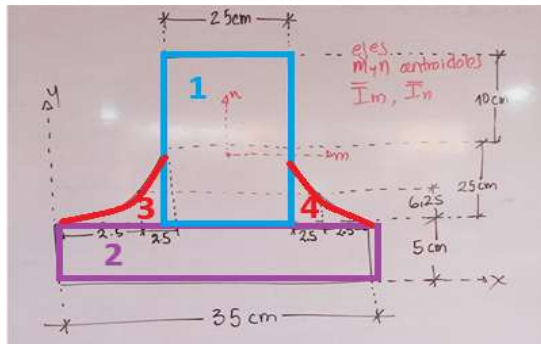


Usando "Centroide figura parabólica.pdf":

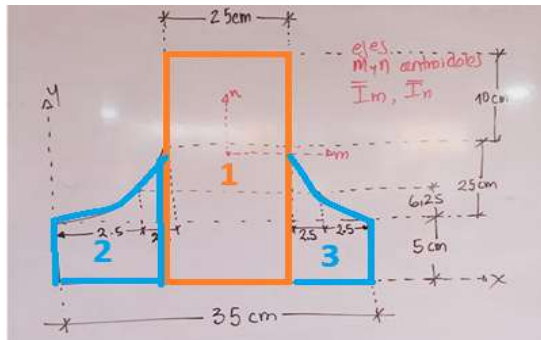


$c(x)$	x	I_x	78125
CT	$\frac{125}{3}$	I_y	21
X_{cg}	$\frac{15}{4}$	I_{xcg}	143125
Y_{cg}	$\frac{15}{2}$	I_{ycg}	42
			299375
			84

Subárea #	Lx (cm)	Ly (cm)	A (cm ²)	Xcg individual (cm)	Ycg individual (cm)	A*Xcg (cm ³)	A*Ycg (cm ³)	Ix cg individual (cm ⁴)	Iy cg individual (cm ⁴)	Im respecto al cg total (cm ⁴)	In respecto al cg total (cm ⁴)
1	25.00	10.00	250.00	17.50	35.00	4 375.00	8 750.00	2 083.33	13 020.83	68 697.74	13 020.83
2	25.00	25.00	625.00	17.50	17.50	10 937.50	10 937.50	32 552.08	32 552.08	33 417.14	32 552.08
3	35.00	5.00	175.00	17.50	2.50	3 062.50	437.50	364.58	17 864.58	46 158.27	17 864.58
4			41.67	3.75	12.50	156.25	520.83	1 376.49	39.06	2 966.02	7 916.67
5			41.67	31.25	12.50	1 302.08	520.83	1 376.49	39.06	2 966.02	7 916.67
Toda la figura:			1 133.33	17.50	18.68	19 833.33	21 166.67			154 205	79 271



Subárea #	Lx (cm)	Ly (cm)	A (cm ²)	Xcg individual (cm)	Ycg individual (cm)	A*Xcg (cm ³)	A*Ycg (cm ³)	Ix cg individual (cm ⁴)	Iy cg individual (cm ⁴)	Im respecto al cg total (cm ⁴)	In respecto al cg total (cm ⁴)
1	25.00	35.00	875.00	17.50	22.50	15 312.50	19 687.50	89 322.92	45 572.92	102 114.87	45 572.92
2	35.00	5.00	175.00	17.50	2.50	3 062.50	437.50	364.58	17 864.58	46 158.27	17 864.58
3			41.67	3.75	12.50	156.25	520.83	1 376.49	39.06	2 966.02	7 916.67
4			41.67	31.25	12.50	1 302.08	520.83	1 376.49	39.06	2 966.02	7 916.67
Toda la figura:			1 133.33	17.50	18.68	19 833.33	21 166.67			154 205	79 271



Subárea #	Lx (cm)	Ly (cm)	A (cm ²)	Xcg individual (cm)	Ycg individual (cm)	A*Xcg (cm ³)	A*Ycg (cm ³)	Ix cg individual (cm ⁴)	Iy cg individual (cm ⁴)	Im respecto al cg total (cm ⁴)	In respecto al cg total (cm ⁴)
2 parab			41.67	3.75	12.50	156.25	520.83	1 376.49	39.06	1 962.43	48.22
2 rect	5.00	5.00	25.00	2.50	2.50	62.50	62.50	52.08	52.08	1 028.65	67.34
Toda la figura 2:			66.67	3.28	8.75	218.75	583.33			2 991	116
Subárea #	Lx (cm)	Ly (cm)	A (cm ²)	Xcg individual (cm)	Ycg individual (cm)	A*Xcg (cm ³)	A*Ycg (cm ³)	Ix cg individual (cm ⁴)	Iy cg individual (cm ⁴)	Im respecto al cg total (cm ⁴)	In respecto al cg total (cm ⁴)
3 parab			41.67	31.25	12.50	1 302.08	520.83	1 376.49	39.06	1 962.43	48.22
3 rect	5.00	5.00	25.00	32.50	2.50	812.50	62.50	52.08	52.08	1 028.65	67.34
Toda la figura 3:			66.67	31.72	8.75	2 114.58	583.33			2 991	116
Subárea #	Lx (cm)	Ly (cm)	A (cm ²)	Xcg individual (cm)	Ycg individual (cm)	A*Xcg (cm ³)	A*Ycg (cm ³)	Ix cg individual (cm ⁴)	Iy cg individual (cm ⁴)	Im respecto al cg total (cm ⁴)	In respecto al cg total (cm ⁴)
1	25.00	40.00	1 000.00	17.50	20.00	17 500.00	20 000.00	133 333.33	52 083.33	135 085.06	52 083.33
2			66.67	3.28	8.75	218.75	583.33	2 991.07	115.56	9 560.06	13 593.75
3			66.67	31.72	8.75	2 114.58	583.33	2 991.07	115.56	9 560.06	13 593.75
Toda la figura:			1 133.33	17.50	18.68	19 833.33	21 166.67			154 205	79 271