

**LCF0510 Inventário Florestal**  
**Exercício de Amostragem Aleatória Simples**

**GABARITO**

Densidade de Estande

	estrato	area_ha	N_h	n_h	m_h	s2_h	a_h	t_h	s2_t_h
1	I	167.914	1049.4625	15	370.4167	108188.988	72375.31	62198.14	203360038
2	II	297.458	1859.1125	6	186.4583	11319.010	574190.77	55463.52	166920054
3	III	123.261	770.3813	8	84.3750	4207.589	73415.53	10400.15	7990882
4	IV	124.823	780.1437	5	105.0000	5261.719	120944.71	13106.41	16396338

	Floresta
area_ha	7.134560e+02
N	4.459100e+03
n	3.400000e+01
t	1.411682e+05
s2_t	3.946673e+08
s_t	1.986624e+04
m	1.978654e+02
s2_m	7.753482e+02
s_m	2.784507e+01
n_e_numerador	2.333184e+20
n_e_denominador	1.294242e+19
n_e	1.800000e+01
t_Student	2.100922e+00

Área Basal

	estrato	area_ha	N_h	n_h	m_h	s2_h	a_h	t_h	s2_t_h
1	I	167.914	1049.4625	15	3.648000	15.9001457	72375.31	612.55027	29887.0920
2	II	297.458	1859.1125	6	1.088333	0.7368167	574190.77	323.73346	10865.7447
3	III	123.261	770.3813	8	0.432500	0.1761357	73415.53	53.31038	334.5098
4	IV	124.823	780.1437	5	0.514000	0.2144300	120944.71	64.15902	668.1974

	Floresta
area_ha	7.134560e+02
N	4.459100e+03
n	3.400000e+01
t	1.053753e+03
s2_t	4.175554e+04
s_t	2.043417e+02
m	1.476970e+00
s2_m	8.203133e-02
s_m	2.864111e-01
n_e_numerador	2.600855e+12
n_e_denominador	1.305824e+11
n_e	1.900000e+01
t_Student	2.093024e+00

## DAP Médio

	estrato	area_ha	N_h	n_h	m_h	s2_h	a_h	t_h	s2_t_h
1	I	167.914	1049.4625	15	7.339333	6.2169924	72375.31	1232.3768	11685.920
2	II	297.458	1859.1125	6	6.821667	4.7957367	574190.77	2029.1593	70722.139
3	III	123.261	770.3813	8	5.846250	0.7742839	73415.53	720.6146	1470.488
4	IV	124.823	780.1437	5	5.734000	1.9632300	120944.71	715.7351	6117.731

	Floresta
area_ha	7.134560e+02
N	4.459100e+03
n	3.400000e+01
t	4.697886e+03
s2_t	8.999628e+04
s_t	2.999938e+02
m	6.584689e+00
s2_m	1.768032e-01
s_m	4.204797e-01
n_e_numerador	1.223538e+13
n_e_denominador	1.545555e+12
n_e	7.000000e+00
t_Student	2.364624e+00

## DAP Médio Quadrático

	estrato	area_ha	N_h	n_h	m_h	s2_h	a_h	t_h	s2_t_h
1	I	167.914	1049.4625	15	9.092000	10.391317	72375.31	1526.6741	19532.290
2	II	297.458	1859.1125	6	8.358333	3.630257	574190.77	2486.2531	53534.948
3	III	123.261	770.3813	8	7.122500	2.586507	73415.53	877.9265	4912.189
4	IV	124.823	780.1437	5	7.230000	3.498250	120944.71	902.4703	10901.094

	Floresta
area_ha	7.134560e+02
N	4.459100e+03
n	3.400000e+01
t	5.793324e+03
s2_t	8.888052e+04
s_t	2.981284e+02
m	8.120086e+00
s2_m	1.746112e-01
s_m	4.178651e-01
n_e_numerador	1.189918e+13
n_e_denominador	9.592992e+11
n_e	1.200000e+01
t_Student	2.178813e+00