

EXERCICIO 5 PROFESSOR LEDON ADS

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Gráfico

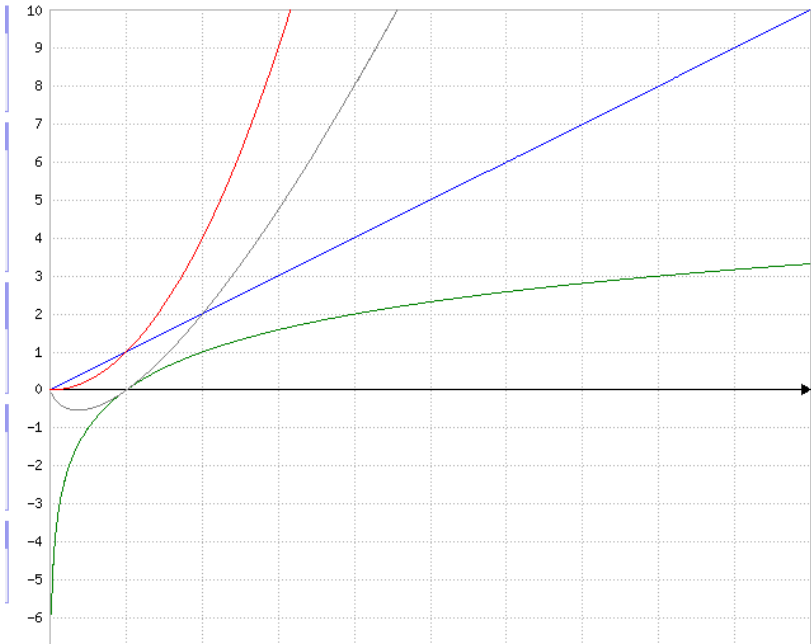


Tabela de Dados

x	f(x)	g(x)	h(x)	i(x)
0	0,000	0,000	n/d	n/d
1	1,000	1,000	0,000	0,000
2	2,000	4,000	1,000	2,000
3	3,000	9,000	1,585	4,755
4	4,000	16,000	2,000	8,000
5	5,000	25,000	2,322	11,610
6	6,000	36,000	2,585	15,510
7	7,000	49,000	2,807	19,651
8	8,000	64,000	3,000	24,000
9	9,000	81,000	3,170	28,529
10	10,000	100,000	3,322	33,219
11	11,000	121,000	3,459	38,054
12	12,000	144,000	3,585	43,020
13	13,000	169,000	3,700	48,106
14	14,000	196,000	3,807	53,303
15	15,000	225,000	3,907	58,603
16	16,000	256,000	4,000	64,000
17	17,000	289,000	4,087	69,487
18	18,000	324,000	4,170	75,059

O algoritmo com o pior comportamento em velocidade é: $h(x) = \log(2;x)$.