Eunzair de	Tamanho da instância do problema							
complexistade	10	20	30	40	50	6O		
h	0,000015	0,000025	0,000035	0,000 045	0,00005s	0,000065		
h ²	0,00015	0,00045	0,00095	0,00165	0,00255	0,00365		
h 3	0,001s	0,0085	0,0275	0,0645	0,1255	0, 216 5		
n ^S	0,19	3,25	24,35	102,45	312,55	777,65		
2"	0,0010245	1,055	17,896 min	12,73 dias	3,62 decadas	37 milenier		
3,	0,0590495	58,11min	6,53 anoz	385,52 milenios		1,34.10 mileios		

Tunção de	Tamanho da instâncio em un conputador atual	Tamanho da instâncio em um computador 100	Tamanho da instâncio em um computador 1000
		Mels mais rápido	olse mais rápido
h	\sim	Loon	1000 N
h ²	M	10M	31,6 M
h 3	2	4,6412	102
h ⁵	W	2,511W	3,981 W
2 "	×	6,6 439 +×	9,96578+×
35	Y	4,192+7	6,2877+7

tempo total
$$n^2 10^{-6}$$

$$T = f(n) + t$$

$$T = h^{2} \cdot 10^{-6}$$

$$h^{2} = \frac{T}{10^{-6}}$$

$$h = \sqrt{\frac{T}{t}} \rightarrow tanaho da instancio$$

100x mais rapido, cuda instrução gasta 10-6

$$h^{2} \qquad h = \sqrt{\frac{T}{\pi}} = \sqrt{\frac{100T}{T}} = 10\sqrt{T}$$

$$h = \sqrt{\frac{T}{1000}} = 31,6 M$$

$$h^{3}$$
 $h = \sqrt[3]{100 \text{ T}} = 4,6412$ h^{5} $\sqrt[5]{\frac{1007}{t}} = 2,511 \text{ W}$ $\sqrt[3]{\frac{1000 \text{ T}}{t}} = 3,981 \text{ W}$

$$5\sqrt{\frac{1007}{t}} = 2,511W$$
 $5\sqrt{\frac{1000}{t}} = 3,981W$

$$T = 2^{m} \cdot t$$

$$2^{m} = T_{t}$$

$$100$$

$$2^{m} = \frac{100 \, T}{t}$$

$$100$$

$$3^{m} = \frac{100 \, T}{t}$$

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$$T = 3^{m} \cdot T$$

$$3^{m} = T$$

$$\sqrt{100}$$

$$3^{m} = \frac{100 \, T}{T}$$

$$m = \frac{100}{T}$$

$$m = \frac{\ln 1000}{\ln 2}$$

$$m = 6,2877 + 7$$