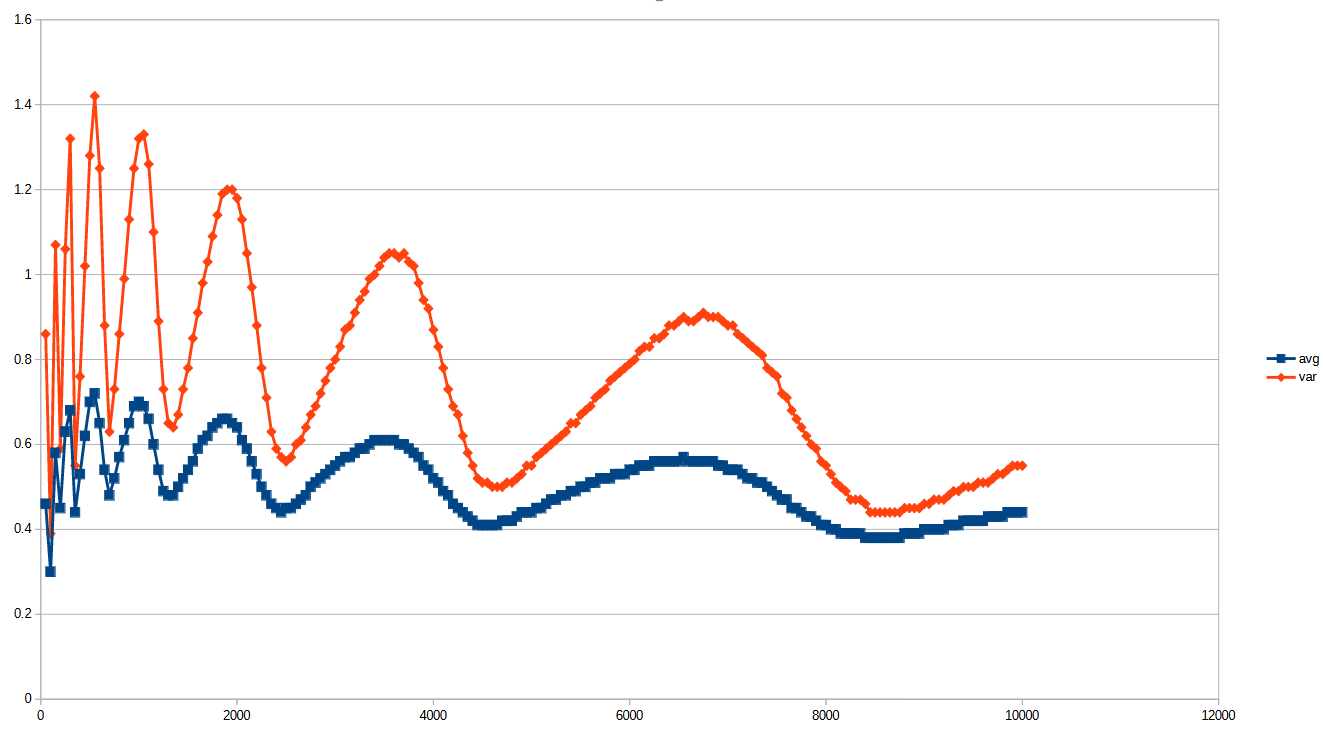
**Análise da Tabela de Hashing de Cuco**

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**Análise de qualidade das funções de hashing**



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Gráfico I. Média e Variância do número de colisões por tamanho da tabela de hash

Blah blah blah. Ddddddddd dddddd dddddddddddddd dddddddddddddd ddddddddddd dddd.

(mencionar que os dados estão no final).

(mencionar o numero de testes e como eles são feitos, como os dados foram obtidos).

|  |  |  |
| --- | --- | --- |
| n | Média de colisões | Variância de colisões |
| 50 | 0.46 | 0.86 |
| 100 | 0.30 | 0.39 |
| 150 | 0.58 | 1.07 |
| 200 | 0.45 | 0.59 |
| 250 | 0.63 | 1.06 |
| 300 | 0.68 | 1.32 |
| 350 | 0.44 | 0.55 |
| 400 | 0.53 | 0.76 |
| 450 | 0.62 | 1.02 |
| 500 | 0.70 | 1.28 |
| 550 | 0.72 | 1.42 |
| 600 | 0.65 | 1.25 |
| 650 | 0.54 | 0.88 |
| 700 | 0.48 | 0.63 |
| 750 | 0.52 | 0.73 |
| 800 | 0.57 | 0.86 |
| 850 | 0.61 | 0.99 |
| 900 | 0.65 | 1.13 |
| 950 | 0.69 | 1.25 |
| 1000 | 0.70 | 1.32 |
| 1050 | 0.69 | 1.33 |
| 1100 | 0.66 | 1.26 |
| 1150 | 0.60 | 1.10 |
| 1200 | 0.54 | 0.89 |
| 1250 | 0.49 | 0.73 |
| 1300 | 0.48 | 0.65 |
| 1350 | 0.48 | 0.64 |
| 1400 | 0.50 | 0.67 |
| 1450 | 0.52 | 0.73 |
| 1500 | 0.54 | 0.78 |
| 1550 | 0.56 | 0.85 |
| 1600 | 0.59 | 0.91 |
| 1650 | 0.61 | 0.98 |
| 1700 | 0.62 | 1.03 |
| 1750 | 0.64 | 1.09 |
| 1800 | 0.65 | 1.14 |
| 1850 | 0.66 | 1.19 |
| 1900 | 0.66 | 1.20 |
| 1950 | 0.65 | 1.20 |
| 2000 | 0.64 | 1.18 |
| 2050 | 0.61 | 1.13 |
| 2100 | 0.59 | 1.05 |
| 2150 | 0.56 | 0.97 |
| 2200 | 0.53 | 0.88 |
| 2250 | 0.50 | 0.78 |
| 2300 | 0.48 | 0.71 |
| 2350 | 0.46 | 0.63 |
| 2400 | 0.45 | 0.59 |
| 2450 | 0.44 | 0.57 |
| 2500 | 0.45 | 0.56 |
| 2550 | 0.45 | 0.57 |
| 2600 | 0.46 | 0.60 |
| 2650 | 0.47 | 0.61 |
| 2700 | 0.48 | 0.64 |
| 2750 | 0.50 | 0.67 |
| 2800 | 0.51 | 0.69 |
| 2850 | 0.52 | 0.72 |
| 2900 | 0.53 | 0.75 |
| 2950 | 0.54 | 0.78 |
| 3000 | 0.55 | 0.80 |
| 3050 | 0.56 | 0.83 |
| 3100 | 0.57 | 0.87 |
| 3150 | 0.57 | 0.88 |
| 3200 | 0.58 | 0.91 |
| 3250 | 0.59 | 0.94 |
| 3300 | 0.59 | 0.96 |
| 3350 | 0.60 | 0.99 |
| 3400 | 0.61 | 1.00 |
| 3450 | 0.61 | 1.02 |
| 3500 | 0.61 | 1.04 |
| 3550 | 0.61 | 1.05 |
| 3600 | 0.61 | 1.05 |
| 3650 | 0.60 | 1.04 |
| 3700 | 0.60 | 1.05 |
| 3750 | 0.59 | 1.03 |
| 3800 | 0.58 | 1.02 |
| 3850 | 0.57 | 0.98 |
| 3900 | 0.55 | 0.94 |
| 3950 | 0.54 | 0.92 |
| 4000 | 0.52 | 0.87 |
| 4050 | 0.51 | 0.83 |
| 4100 | 0.49 | 0.78 |
| 4150 | 0.48 | 0.73 |
| 4200 | 0.46 | 0.69 |
| 4250 | 0.45 | 0.67 |
| 4300 | 0.44 | 0.62 |
| 4350 | 0.43 | 0.58 |
| 4400 | 0.42 | 0.55 |
| 4450 | 0.41 | 0.52 |
| 4500 | 0.41 | 0.51 |
| 4550 | 0.41 | 0.51 |
| 4600 | 0.41 | 0.50 |
| 4650 | 0.41 | 0.50 |
| 4700 | 0.42 | 0.50 |
| 4750 | 0.42 | 0.51 |
| 4800 | 0.42 | 0.51 |
| 4850 | 0.43 | 0.52 |
| 4900 | 0.44 | 0.53 |
| 4950 | 0.44 | 0.55 |
| 5000 | 0.44 | 0.55 |
| 5050 | 0.45 | 0.57 |
| 5100 | 0.45 | 0.58 |
| 5150 | 0.46 | 0.59 |
| 5200 | 0.47 | 0.60 |
| 5250 | 0.47 | 0.61 |
| 5300 | 0.48 | 0.62 |
| 5350 | 0.48 | 0.63 |
| 5400 | 0.49 | 0.65 |
| 5450 | 0.49 | 0.65 |
| 5500 | 0.50 | 0.67 |
| 5550 | 0.50 | 0.68 |
| 5600 | 0.51 | 0.69 |
| 5650 | 0.51 | 0.71 |
| 5700 | 0.52 | 0.72 |
| 5750 | 0.52 | 0.73 |
| 5800 | 0.52 | 0.75 |
| 5850 | 0.53 | 0.76 |
| 5900 | 0.53 | 0.77 |
| 5950 | 0.53 | 0.78 |
| 6000 | 0.54 | 0.79 |
| 6050 | 0.54 | 0.80 |
| 6100 | 0.55 | 0.82 |
| 6150 | 0.55 | 0.83 |
| 6200 | 0.55 | 0.83 |
| 6250 | 0.56 | 0.85 |
| 6300 | 0.56 | 0.85 |
| 6350 | 0.56 | 0.86 |
| 6400 | 0.56 | 0.88 |
| 6450 | 0.56 | 0.88 |
| 6500 | 0.56 | 0.89 |
| 6550 | 0.57 | 0.90 |
| 6600 | 0.56 | 0.89 |
| 6650 | 0.56 | 0.89 |
| 6700 | 0.56 | 0.90 |
| 6750 | 0.56 | 0.91 |
| 6800 | 0.56 | 0.90 |
| 6850 | 0.56 | 0.90 |
| 6900 | 0.55 | 0.90 |
| 6950 | 0.55 | 0.89 |
| 7000 | 0.54 | 0.88 |
| 7050 | 0.54 | 0.88 |
| 7100 | 0.54 | 0.86 |
| 7150 | 0.53 | 0.85 |
| 7200 | 0.52 | 0.84 |
| 7250 | 0.52 | 0.83 |
| 7300 | 0.51 | 0.82 |
| 7350 | 0.51 | 0.81 |
| 7400 | 0.50 | 0.78 |
| 7450 | 0.49 | 0.77 |
| 7500 | 0.48 | 0.76 |
| 7550 | 0.47 | 0.72 |
| 7600 | 0.47 | 0.71 |
| 7650 | 0.45 | 0.68 |
| 7700 | 0.45 | 0.66 |
| 7750 | 0.44 | 0.64 |
| 7800 | 0.43 | 0.62 |
| 7850 | 0.43 | 0.60 |
| 7900 | 0.42 | 0.59 |
| 7950 | 0.41 | 0.56 |
| 8000 | 0.41 | 0.55 |
| 8050 | 0.40 | 0.53 |
| 8100 | 0.40 | 0.51 |
| 8150 | 0.39 | 0.50 |
| 8200 | 0.39 | 0.49 |
| 8250 | 0.39 | 0.47 |
| 8300 | 0.39 | 0.47 |
| 8350 | 0.39 | 0.47 |
| 8400 | 0.38 | 0.46 |
| 8450 | 0.38 | 0.44 |
| 8500 | 0.38 | 0.44 |
| 8550 | 0.38 | 0.44 |
| 8600 | 0.38 | 0.44 |
| 8650 | 0.38 | 0.44 |
| 8700 | 0.38 | 0.44 |
| 8750 | 0.38 | 0.44 |
| 8800 | 0.39 | 0.45 |
| 8850 | 0.39 | 0.45 |
| 8900 | 0.39 | 0.45 |
| 8950 | 0.39 | 0.45 |
| 9000 | 0.40 | 0.46 |
| 9050 | 0.40 | 0.46 |
| 9100 | 0.40 | 0.47 |
| 9150 | 0.40 | 0.47 |
| 9200 | 0.40 | 0.47 |
| 9250 | 0.41 | 0.48 |
| 9300 | 0.41 | 0.49 |
| 9350 | 0.41 | 0.49 |
| 9400 | 0.42 | 0.50 |
| 9450 | 0.42 | 0.50 |
| 9500 | 0.42 | 0.50 |
| 9550 | 0.42 | 0.51 |
| 9600 | 0.42 | 0.51 |
| 9650 | 0.43 | 0.51 |
| 9700 | 0.43 | 0.52 |
| 9750 | 0.43 | 0.53 |
| 9800 | 0.43 | 0.53 |
| 9850 | 0.44 | 0.54 |
| 9900 | 0.44 | 0.55 |
| 9950 | 0.44 | 0.55 |
| 10000 | 0.44 | 0.55 |

Tabela 1. Dados estatísticos para n