Thero:

1. ijk a=n\*n\*n/t b=n^3 c= n^2
2. ikj a=n\*n b=n\*n\*n/t c=n\*n\*n/t
3. kij a=n\*n b=n\*n\*n/t c=n\*n\*n/t
4. jik a=n\*n\*n/t b=n\*n c=n\*n\*n
5. jik a=n\*n\*n b=n\*n c=n\*n\*n
6. kji a=n\*n\*n b=n\*n c=n\*n\*n

Где t-Количество переменных, хранящихся в строке

T\_d : t=64/4=16 (int:4B)

T\_l : t=64/8=8 (long long:8B)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| T\_d |  |  |  |  |  |  |  |  |  |  |
|  | N=10 | L1 load | L1 store | L1 cache | L2 load | L2 store | L2 cache | Thero | Thero/L1 cache | Thero/L2 cache |
| 0 | ijk | 16 | 7 | 29 | 5 | 3 | 98 | 1163 | 40.1034482 | 11.8673469 |
| 1 | ikj | 21 | 1 | 30 | 6 | 0 | 96 | 225 | 7.5 | 2.34375 |
| 2 | kij | 25 | 2 | 29 | 5 | 0 | 76 | 225 | 7.75862069 | 2.96052631 |
| 3 | jik | 17 | 6 | 31 | 6 | 4 | 86 | 1163 | 37.5161290 | 13.5232558 |
| 4 | jik | 22 | 4 | 34 | 7 | 1 | 74 | 2100 | 61.7647058 | 28.3783783 |
| 5 | kji | 21 | 2 | 32 | 6 | 1 | 85 | 2100 | 65.625 | 24.7058823 |
|  |  |  |  |  |  |  |  |  |  |  |
|  | N=100 | L1 load | L1 store | L1 cache | L2 load | L2 store | L2 cache | Thero | Thero/L1 cache | Thero/L2 cache |
| 0 | ijk | 13532 | 604 | 64185 | 177 | 6 | 3757 | 1135000 | 17.6832593 | 302.102741 |
| 1 | ikj | 37788 | 11 | 60643 | 167 | 26 | 5560 | 260000 | 4.28738683 | 46.7625899 |
| 2 | kij | 60131 | 14 | 71861 | 745 | 8 | 20587 | 260000 | 3.61809604 | 12.6293291 |
| 3 | jik | 31267 | 8657 | 63984 | 157 | 179 | 5779 | 1135000 | 17.7388097 | 196.400761 |
| 4 | jik | 37377 | 12 | 86668 | 831 | 8 | 6203 | 2010000 | 23.1919508 | 324.036756 |
| 5 | kji | 26108 | 14 | 68359 | 631 | 4 | 6371 | 2010000 | 29.4035898 | 315.492073 |
|  |  |  |  |  |  |  |  |  |  |  |
|  | 1000 | L1 load | L1 store | L1 cache | L2 load | L2 store | L2 cache | Thero | Thero/L1 cache | Thero/L2 cache |
| 0 | ijk | 1005416352 | 993940 | 1065387205 | 46061435 | 53760 | 120760872 | 1126000000 | 1.056892738 | 9.324212233 |
| 1 | ikj | 39209138 | 1621 | 63841953 | 3503516 | 159 | 130823672 | 251000000 | 3.931583985 | 1.918613017 |
| 2 | kij | 54290089 | 4857 | 65156954 | 4174637 | 385 | 135853657 | 251000000 | 3.852236555 | 1.847576323 |
| 3 | jik | 1000452798 | 999099 | 1061630697 | 3620053 | 999082 | 140813313 | 1126000000 | 1.060632481 | 7.996403011 |
| 4 | jik | 1949645591 | 298892802 | 2439426673 | 542049552 | 93753206 | 2178550380 | 2001000000 | 0.820274707 | 0.918500678 |
| 5 | kji | 1913698159 | 335703756 | 2465712357 | 534472016 | 100111809 | 2172590188 | 2001000000 | 0.811530183 | 0.921020453 |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| T\_l |  |  |  |  |  |  |  |  |  |  |
|  | 10 | L1 load | L1 store | L1 cache | L2 load | L2 store | L2 cache | Thero | Thero/L1 cache | Thero/L2 cache |
| 0 | ijk | 16 | 14 | 35 | 5 | 0 | 114 | 1163 | 33.22857143 | 10.20175439 |
| 1 | ikj | 21 | 2 | 35 | 6 | 0 | 98 | 225 | 6.428571429 | 2.295918367 |
| 2 | kij | 22 | 3 | 35 | 6 | 1 | 102 | 225 | 6.428571429 | 2.205882353 |
| 3 | jik | 27 | 13 | 39 | 9 | 3 | 66 | 1163 | 29.82051282 | 17.62121212 |
| 4 | jik | 24 | 3 | 37 | 7 | 0 | 121 | 2100 | 56.75675676 | 17.3553719 |
| 5 | kji | 33 | 1 | 38 | 5 | 1 | 118 | 2100 | 55.26315789 | 17.79661017 |
|  |  |  |  |  |  |  |  |  |  |  |
|  | 100 | L1 load | L1 store | L1 cache | L2 load | L2 store | L2 cache | Thero | Thero/L1 cache | Thero/L2 cache |
| 0 | ijk | 38354 | 1165 | 126805 | 437 | 55 | 9307 | 1135000 | 8.950751153 | 121.9512195 |
| 1 | ikj | 17807 | 8 | 125559 | 359 | 7 | 16942 | 260000 | 2.070739652 | 15.34647621 |
| 2 | kij | 17748 | 9 | 138156 | 932 | 5 | 35944 | 260000 | 1.881930571 | 7.233474293 |
| 3 | jik | 119364 | 7449 | 127357 | 1117 | 398 | 17773 | 1135000 | 8.911956155 | 63.86091262 |
| 4 | jik | 10 | 5434 | 137133 | 11 | 94209 | 34307 | 2010000 | 14.65730349 | 58.58862623 |
| 5 | kji | 125078 | 12 | 125364 | 1765 | 4 | 10600 | 2010000 | 16.033311 | 189.6226415 |
|  |  |  |  |  |  |  |  |  |  |  |
|  | 1000 | L1 load | L1 store | L1 cache | L2 load | L2 store | L2 cache | Thero | Thero/L1 cache | Thero/L2 cache |
| 0 | ijk | 1116440550 | 989196 | 1215037961 | 85382463 | 97904 | 223384646 | 1126000000 | 0.926720017 | 5.040632918 |
| 1 | ikj | 10364340 | 676 | 127285516 | 2980671 | 352 | 280113272 | 251000000 | 1.971944711 | 0.896066074 |
| 2 | kij | 9149937 | 722 | 133380488 | 3947089 | 496 | 303637152 | 251000000 | 1.88183447 | 0.82664456 |
| 3 | jik | 1099361575 | 998292 | 1219013629 | 3417686 | 998282 | 283670562 | 1126000000 | 0.92369763 | 3.969393201 |
| 4 | jik | 2186977627 | 261496439 | 2642010355 | 777643918 | 153455068 | 3218629332 | 2001000000 | 0.757377804 | 0.62169321 |
| 5 | kji | 2193434989 | 267016543 | 2642886236 | 631450404 | 151828742 | 2786124722 | 2001000000 | 0.757126801 | 0.718201875 |