|  |  |  |  |
| --- | --- | --- | --- |
|  | **Test Case A** | **Test Case B** | **Test Case C** |
| File 1 | Integers-10-314 | Integers-40-2653 | Integers-200-42624 |
| File 2 | Integers-10-1592 | Integers-40-5897 | Integers-200-93238 |
|  |  |  |  |
| **Instructions Statistics** |  |  |  |
| ALU | 323 (43%) | 1018 (42%) | 4704 (42%) |
| Jump | 15 (2%) | 15 (1%) | 15 (0%) |
| Branch | 117 (16%) | 452 (19%) | 2095 (19%) |
| Memory | 192 (25%) | 522 (22%) | 2282 (21%) |
| Other | 106 (14%) | 401 (17%) | 1995 (18%) |
|  |  |  |  |
| **BHT Prediction** |  |  |  |
| Best | 100% (index 14) | 100% (index 14) | 100% (index 14) |
| Median | 77% (index 12) | 93% (index 12) | 95% (index 13) |
| Worst | 50% (index 8) | 86% (index 8) | 92% (index 8) |
|  |  |  |  |
| **Cache (8 lines, 8 words per line)** |  |  |  |
| Direct Mapping | 68% | 57% | 51% |
| 2-way set associative | 85% | 79% | 78% |
| 4-way set associative | 95% | 90% | 91% |
| Fully Associative | 95% | 90% | 91% |