**Experiment 1**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Miss Rate | | | | | | | | | | | | |
|  | Direct Map | | | | | | 4-way Associative | | | | | |
|  | 4KB | | 16KB | | 64KB | | 4KB | | 16KB | | 64KB | |
|  | I | D | I | D | I | D | I | D | I | D | I | D |
| 4B |  |  |  |  |  |  |  |  |  |  |  |  |
| 16B |  |  |  |  |  |  |  |  |  |  |  |  |

**sample\_large1.tr**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Total Execution Cycles | | | | | | |
|  | Direct Map | | | 4-way Associative | | |
|  | 4KB | 16KB | 64KB | 4KB | 16KB | 64KB |
| 4B |  |  |  |  |  |  |
| 16B |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Miss Rate | | | | | | | | | | | | |
|  | Direct Map | | | | | | 4-way Associative | | | | | |
|  | 4KB | | 16KB | | 64KB | | 4KB | | 16KB | | 64KB | |
|  | I | D | I | D | I | D | I | D | I | D | I | D |
| 4B |  |  |  |  |  |  |  |  |  |  |  |  |
| 16B |  |  |  |  |  |  |  |  |  |  |  |  |

**sample\_large2.tr**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Total Execution Cycles | | | | | | |
|  | Direct Map | | | 4-way Associative | | |
|  | 4KB | 16KB | 64KB | 4KB | 16KB | 64KB |
| 4B |  |  |  |  |  |  |
| 16B |  |  |  |  |  |  |

**Analysis**

**Experiment 2**

**sample\_large1.tr**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | L2 Miss Rate | | Total Execution Time | |
|  | Trace 1 | Trace 2 | Trace 1 | Trace 2 |
| 512KB, 4-way |  |  |  |  |
| 512KB, 8-way |  |  |  |  |
| 1MB, 8-way |  |  |  |  |

**sample\_large2.tr**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | L2 Miss Rate | | Total Execution Time | |
|  | Trace 1 | Trace 2 | Trace 1 | Trace 2 |
| 512KB, 4-way |  |  |  |  |
| 512KB, 8-way |  |  |  |  |
| 1MB, 8-way |  |  |  |  |

**Analysis**