1. A picture containing timeline

   Description automatically generatedA picture containing diagram

   Description automatically generated

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| --- | --- | --- | --- | --- | --- | --- |
| Address | Block # (4 bytes) | Block # (8 bytes) | Cache position (32 \* 4- bytes) | Cache set (16\*8-byte 2-way SA)  16/2=8 sets | Cache outcome (32\*4-byte) | Cache outcome (16\*8-byte 2-way SA)  16/2 = 8 sets |
| 44 | 44/4=11 | 44/8=5 | 11%32=11 | 5%8=5 | Miss | Miss |
| 100 | 100/4=25 | 100/8=12 | 25%32=25 | 12%8=4 | Miss | Miss |
| 164 | 164/4=41 | 164/8=20 | 41%32=9 | 20%8=4 | Miss | Miss |
| 110 | 110/4=27 | 110/8=13 | 27%32=27 | 13%8=5 | Miss | Miss |
| 166 | 166/4=41 | 166/8=20 | 41%32=9 | 20%8=4 | Hit | Hit |
| 168 | 168/4=42 | 168/8=21 | 42%32=10 | 21%8=5 | Miss | Miss |
| 102 | 102/4=25 | 102/8=12 | 25%32=25 | 12%8=4 | Miss | Hit |
| 46 | 46/4=11 | 46/8=5 | 11%32=11 | 5%8=5 | Hit | Hit |

Text, letter

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