Part (i)

```
L: 16
K: 1
N: 8
Size: 128
Offest: 4
Set selector bits length: 3.0
tag bits length: 9.0
0x0000 000000000 000 0000 was nah MTSS if you want a branch there.)
0x0004 000000000 000 0100 was a HIT
0x000c 00000000 000 1100 was a HIT ete unpublished commits
0x2200 001000100 000 0000 was a MISS
0x00d0 000000001 101 0000 was rathMISSer hand, you want to really get rid of everything y
0x00e0 000000001 110 0000 was sat MISSOne, if you haven't published any of these comm
0x1130 000100010 011 0000 was a MISS
0x0028 000000000 010 1000 was a MISS
0x113c 000100010 011 1100 was a HIT
0x2204 001000100 000 0100 wastarHIT
0x0010 000000000 001 0000 was a MISS
0x0020 0000000000 010 0000 was a HIT
0x0004 000000000 000 0100 was a MISS
0x0040 000000000 100 0000 was a MISS
0x2208 001000100 000 1000 was a MISS
0x0008 000000000 000 1000 was a MISS
0x00a0 000000001 010 0000 was a MISS
0x0004 000000000 000 0100 was a HIT
0x1104 000100010 000 0100 was a MISS
0x0028 000000000 010 1000 was a MISS
0x000c 000000000 000 1100 was a MISS
0x0084 000000001 000 0100 was a MISS
0x000c 000000000 000 1100 was domissolished commits with new commits
0x3390 001100111 001 0000 was a MISS
0x00b0 000000001 011 0000 was tae MISS hand, if you've published the work, you probably
0x1100 000100010 000 0000 waseral MISS writing history. In that case, you could indeed rev
0x0028 000000000 010 1000 was all HIT aning create a commit with the reverse patch to
0x0064 000000000 110 0100 was a MISS
0x0070 000000000 111 0000 was a MISS
0x00d0 000000001 101 0000 was a HIT
0x0008 000000000 000 1000 was a MISS
0x3394 001100111 001 0100 was a HIT
HIT COUNT: 9
MISS COUNT: 23
oodse07@Seamus-Computer:~/code/Computer_architecture/Assignment_5S
```

Part (ii)

```
L: 16
K: 2
N: 4
Size: 128
                            To go back to where you were, just check out the branch you.
Offest: 4
Set selector bits length:
tag bits length: 10.0
0x0000 0000000000 00 0000 was high MISS if you want a branch there.)
0x0004 0000000000 00 0100 was a HIT
0x000c 000000000 00 1100 was a Hitlete unpublished commits
0x2200 0010001000 00 0000 was a MISS
0x00d0 0000000011 01 0000 was rathMISSer hand, you want to really get rid of everything
0x00e0 0000000011 10 0000 was:sabiMISSOne, if you haven't published any of these con
0x1130 0001000100 11 0000 was a MISS
0x0028 0000000000 10 1000 was a MISS
0x113c 0001000100 11 1100 was a HIT
0x2204 0010001000 00 0100 wastarHIT
0x0010 0000000000 01 0000 was a MISS
0x0020 0000000000 10 0000 was a HIT
0x0004 0000000000 00 0100 was as HIT
0x0040 0000000001 00 0000 was a MISS
0x2208 0010001000 00 1000 was a MISS
0x0008 0000000000 00 1000 was a MISS
0x00a0 0000000010 10 0000 was a MISS
0x0004 0000000000 00 0100 was a HIT
0x1104 0001000100 00 0100 was a MISS
0x0028 0000000000 10 1000 was a HIT
0x000c 0000000000 00 1100 was a HIT
0x0084 0000000010 00 0100 was a MISS
0x000c 000000000 00 1100 was 3 CHIT blished commits with new comm
0x3390 0011001110 01 0000 was a MISS
0x00b0 0000000010 11 0000 was tae MISS hand, if you've published the work, you probal
0x1100 0001000100 00 0000 wasecayMISSwriting history. In that case, you could indeed
0x0028 0000000000 10 1000 was-rainHIT-aning; create a commit with the reverse patch to
0x0064 0000000001 10 0100 was a MISS
0x0070 0000000001 11 0000 was a MISS
0x00d0 0000000011 01 0000 was a MISS
0x0008 0000000000 00 1000 was a HIT
0x3394 0011001110 01 0100 was a HIT
HIT COUNT: 13
MISS COUNT: 19
oodse07@Seamus-Computer:~/code/Computer_architecture/Assignment_5S
```

Part (iii)

```
L: 16
K: 4
N: 2
Size: 128
Offest: 4
Set∪selector bits length:
tag bits length: 11.0
                             them away; you could stash, checkout, stash pop to take th
0x0000, 00000000000 0 0000 was an hiss if you want a branch there.)
0x0004 00000000000 0 0100 was a HIT
0x000c 0000000000 0 1100 was a HIT ete unpublished commits
0x2200 00100010000 0 0000 was a MISS
0x00d0 00000000110 1 0000 was rathMISSer hand, you want to really get rid of everything
0x00e0 00000000111 0 0000 was saliMISSOne, if you haven't published any of these com
0x1130 00010001001 1 0000 was a MISS
0x0028 00000000001 0 1000 was a MISS
0x113c 00010001001 1 1100 was a HIT
0x2204 00100010000 0 0100 wastarHIT
0x0010 00000000000 1 0000 was a MISS
0x0020 00000000001 0 0000 was a HIT
0x0004 00000000000 0 0100 was a HIT
0x0040 00000000010 0 0000 was a MISS
0x2208 00100010000 0 1000 was a HIT
0x0008 00000000000 0 1000 was a HIT
0x00a0 00000000101 0 0000 was a MISS
0x0004 00000000000 0 0100 was a HIT
0x1104 00010001000 0 0100 was a MISS
0x0028 00000000001 0 1000 was
                                a MISS
0x000c 00000000000 0 1100 was a HIT
0x0084 00000000100 0 0100 was a MISS
0x000c 0000000000 0 1100 was GHITI blished commits with new commit
0x3390 00110011100 1 0000 was a MISS
0x00b0 00000000101 1 0000 was tae MISS hand, if you've published the work, you probab
0x1100 00010001000 0 0000 wasaaiyHITrewriting history. In that case, you could indeed re
0x0028 00000000001 0 1000 wasaraii.HITaning create a commit with the reverse patch to
0x0064 00000000011 0 0100 was a MISS
0x0070 00000000011 1 0000 was a MISS
0x00d0 00000000110 1 0000 was a MISS
0x0008 00000000000 0 1000 was a HIT
0x3394 00110011100 1 0100 was a HIT
HIT COUNT: 15
MISS COUNT: 17
oodse07@Seamus-Computer:~/code/Computer_architecture/Assignment<u>c</u>5$
```

Part (iv)

```
L: 16
K: 8
N: 1
Size: 128
Offest: 4
                             To go back to where you were, just check out the branch yo
Set selector bits length:
tag bits length: 12.0
0x0000 000000000000 0 0000 Wasca MTSs you want a branch there.)
0x0004 000000000000 0 0100 was a HIT
0x000c 00000000000 0 1100 was a chipte unpublished commits
0x2200 001000100000 0 0000 was a MISS
0\mathbf{x}00\mathbf{d}0 000000001101 0 0000 was \mathbf{a}eMISS hand, you want to really get rid of everything
0x00e0 000000001110 0 0000 was:iaitMISS)ne, if you haven't published any of these con
0x1130 000100010011 0 0000 was a MISS
0x0028 000000000010 0 1000 was a MISS
0x113c 000100010011 0 1100 was a HIT
0x2204 001000100000 0 0100 was a HIT
0x0010 000000000001 0 0000 was a MISS
0x0020 000000000010 0 0000 was a HIT
0x0004 000000000000 0 0100 was a HIT
0x0040 000000000100 0 0000 was a MISS
0x2208 001000100000 0 1000 was a HIT
0x0008 000000000000 0 1000 was a HIT
0x00a0 000000001010 0 0000 was a MISS
0x0004 000000000000 0 0100 was a HIT
0x1104 000100010000 0 0100 was a MISS
0x0028 000000000010 0 1000 was a HIT
0x000c 000000000000 0 1100 was
                                 a HIT
0x0084 000000001000 0 0100 was
                                 a MISS
0x000c 00000000000 0 1100 wasda Hitplished commits with new commi
0x3390 001100111001 0 0000 was a MISS
0x00b0 000000001011 0 0000 washaoMISSand, if you've published the work, you probal
0x1100 000100010000 0 0000 was taeHIT writing history. In that case, you could indeed it
0x0028 000000000010 0 1000 was a HITming create a commit with the reverse patch to
0x0064 000000000110 0 0100 was a MISS
0x0070 000000000111 0 0000 was a MISS
0x00d0 000000001101 0 0000 was a MISS
0x0008 000000000000 0 1000 was a HIT
0x3394 001100111001 0 0100 was a HIT
HIT COUNT: 16
MISS COUNT: 16
woodse07@Seamus-Computer:~/code/Computer_architecture/Assignment_5$
```

Question 3 output: