1 valid bit per line t tag bits per line $B = 2^b$ bytes per cache block

Set 0:

| Valid | Tag | 0 | 1 | $\cdots$ | $B–1$ |

| Valid | Tag | 0 | 1 | $\cdots$ | $B–1$ |

E lines per set

Set 1:

| Valid | Tag | 0 | 1 | $\cdots$ | $B–1$ |

| Valid | Tag | 0 | 1 | $\cdots$ | $B–1$ |

$S = 2^s$ sets

Set S -1:

| Valid | Tag | 0 | 1 | $\cdots$ | $B–1$ |

| Valid | Tag | 0 | 1 | $\cdots$ | $B–1$ |

Cache size: $C = B \times E \times S$ data bytes