

The diagram illustrates a 4-way set associative cache structure. It is represented as a grid of 16 sets (rows) and 4 lines per set (columns). The grid is divided into four quadrants, each representing a different way of the 4-way set associative cache. The top-left quadrant is labeled 'Way 0', the top-right 'Way 1', the bottom-left 'Way 2', and the bottom-right 'Way 3'. The 'Cache Size' label is positioned in the center, spanning across the four quadrants. The diagram shows how data is distributed across the four ways of the cache, with each way having its own set of 4 lines per set of 4 lines.

The diagram illustrates a 2D array structure with 8 columns and 40 rows. The array is organized into four horizontal sections, each containing 10 rows. These sections are separated by yellow highlighted rows, indicating a partitioned or tiled structure. The top section is labeled "K ways" with a horizontal double-headed arrow, suggesting a width or number of ways. The bottom section is labeled "Cache Size" with a horizontal double-headed arrow, indicating a specific range or size. A vertical double-headed arrow on the left side of the array indicates the total height or number of rows.

The diagram illustrates a 4-way set associative cache structure. It is represented as a grid of 16 sets (rows) and 4 lines per set (columns). The grid is divided into four quadrants, each representing a 2-way set associative cache. The top-left quadrant is labeled "2-way", the top-right quadrant is labeled "2-way", the bottom-left quadrant is labeled "2-way", and the bottom-right quadrant is labeled "2-way". The central area of the grid is labeled "Cache Size". The diagram shows that the 4-way cache is composed of four 2-way caches. The "Cache Size" label is placed in the center of the grid, indicating the total size of the cache.

The diagram illustrates a 4-way set associative cache structure. It is represented as a grid of 16 sets (rows) and 4 lines per set (columns). The grid is divided into four quadrants, each representing a 2-way set associative cache. The top-left quadrant is labeled "2-way", the top-right quadrant is labeled "2-way", the bottom-left quadrant is labeled "2-way", and the bottom-right quadrant is labeled "2-way". The central area of the grid is labeled "Cache Size". The diagram shows that the 4-way cache is composed of four 2-way caches. The "Cache Size" label is placed in the center of the grid, indicating the total size of the cache.