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The diagram illustrates the hierarchical structure of a 1024-point FFT. It consists of 10 rows of rectangular blocks representing butterfly operations. The first row has 3 blocks, and subsequent rows have more blocks, with some rows having gaps. The total number of blocks is 1024, representing the stages of the FFT algorithm.

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The diagram illustrates a number system with four rows of boxes. The top row contains 10 boxes. The second row contains 20 boxes, with the first 10 boxes aligned under the top row's boxes and the next 10 boxes starting further to the right. The third row contains 30 boxes, with the first 20 boxes aligned under the second row's boxes and the next 10 boxes starting further to the right. The bottom row contains 40 boxes, with the first 30 boxes aligned under the third row's boxes and the next 10 boxes starting further to the right. This arrangement suggests a base-10 system where each row represents a power of 10, and the boxes represent units of that power.

[illegible]

[illegible]

The diagram consists of 10 horizontal rows of squares. The first row has 28 squares, the second 20, the third 22, the fourth 24, the fifth 26, the sixth 28, the seventh 20, the eighth 12, the ninth 28, and the tenth 20. The squares are arranged in a way that suggests a 3D structure, with some rows having gaps or being offset.

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