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installation is needed drawing figures with latex basic shapes exercise latex is a great tool to write long document but with the right packages it can do even more in this section we will explain how to draw basic figures using the tikz package to begin add this package before the document code usepackage tikz basic shapes 1 overview in this tutorial we ll discuss how to draw a graph using latex we ll first start by listing the main latex packages that we can use for graphs and express their particular advantages then we ll study some examples of graphs drawn with those packages and also their variations in this video i am explaining how to draw sketches and plot functions within latex using the tikz package full playlist youtube com playlist l drawing a block diagram in latex using tikz package can be achieved in 3 steps step 1 create nodes with different shapes use relative positioning step 2 connect different nodes through their anchors step 3 define styles for the same shapes 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