



The thinking step  
This is where you'll figure out  
how something will be  
designed

**This is where you'll be using  
HDL to describe the design you  
have thought of**

In this step an HDL compiler  
will do its magic and convert  
your design into registers, look  
up tables...

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where to place each  
component in limited physical  
space using limited resources

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} Done by HDL design  
toolchain