

# NFA that recognizes "binary strings with a 1 in the third position from the end"

"Perfect Guesser": The NFA has input  $x$ , and whenever there is a choice of what to do, it **magically** guesses a transition that will eventually lead to acceptance (if one exists)

Perfect guesser view makes this easier.

Design an NFA for the language in the title.

Fill out the poll everywhere for  
Activity Credit!

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with your UW identity  
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# Regularity

So NFAs/DFAs what can and can't they do?

Can NFAs do more than DFAs?

How do they relate to context-free-grammars? Regular expressions?

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