Final Group Project

EE287

Statement of Completion

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Problems Encountered with designing SHA-3 Algorithm:

1. Pipelining
   1. Pipelining was added after every 3 levels of permutation
2. ‘Pushin’ and ‘pushout’ signals were not propagated across the design
   1. This caused the design to toggle ‘pushout’ all the time, as opposed to only after ‘pushin’ was asserted and then after the data was manipulated across the 6 SHA-3 algorithms.
3. State Array to String Array conversion was not initially working as expected
   1. Fixed it to work