## Booting Linux on the ACL2 Model of the x86 ISA

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## **Booting Linux**

- Started with the model of the x86 ISA present in the ACL2 community books
- Added limited exception/interrupt handling, a timer, and a TTY device
- Made a number of corrections to the model
- Modified the Linux kernel to add drivers for custom devices and remove dependence on not present devices
- Next steps: Fix broken proofs and guard verification

