





Exceptions and Our Multi-Cycle Implementation

- As examples, consider two kinds of exceptions possible with our implementation arithmetic overflow, undefined instruction.
- What do we want to happen?
 - Save information about what happened address of instruction that caused error, which kind of exception. Save each in a special-purpose register.
 - Transfer control to fixed address (presumably containing part of operating system), which can then take appropriate action. (Could that include continuing the program that caused the exception?)



Slide 5





