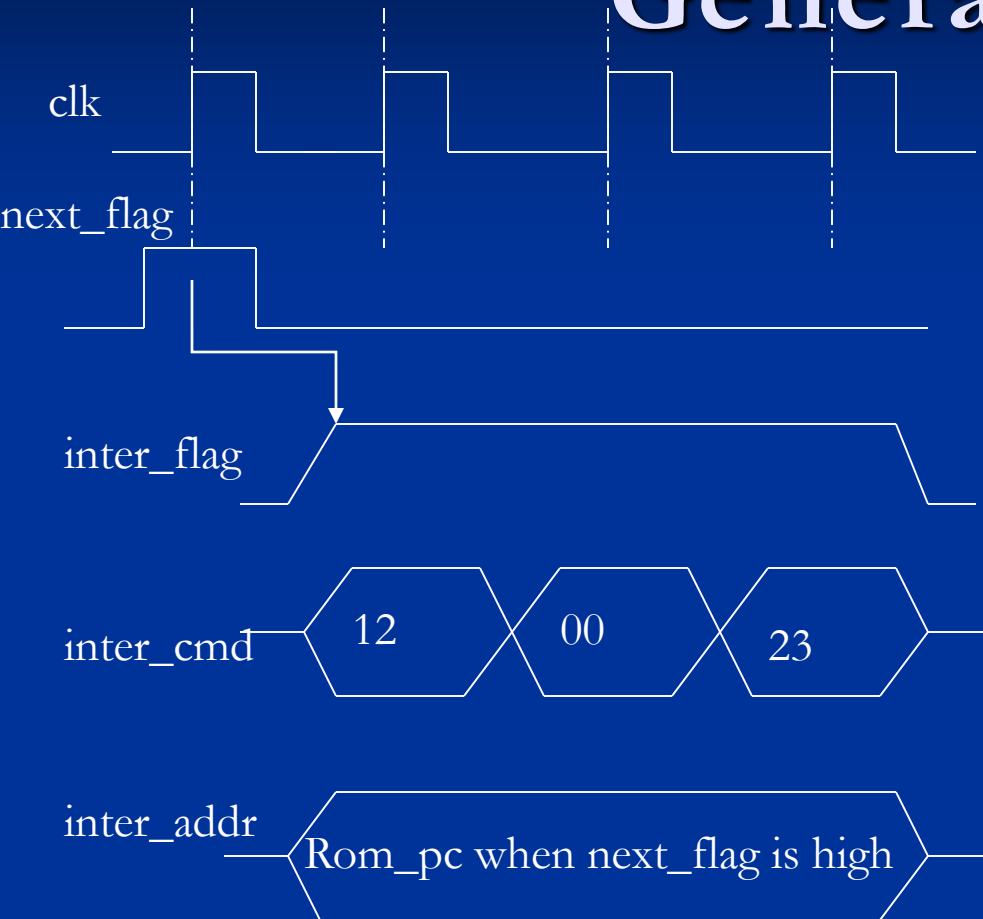
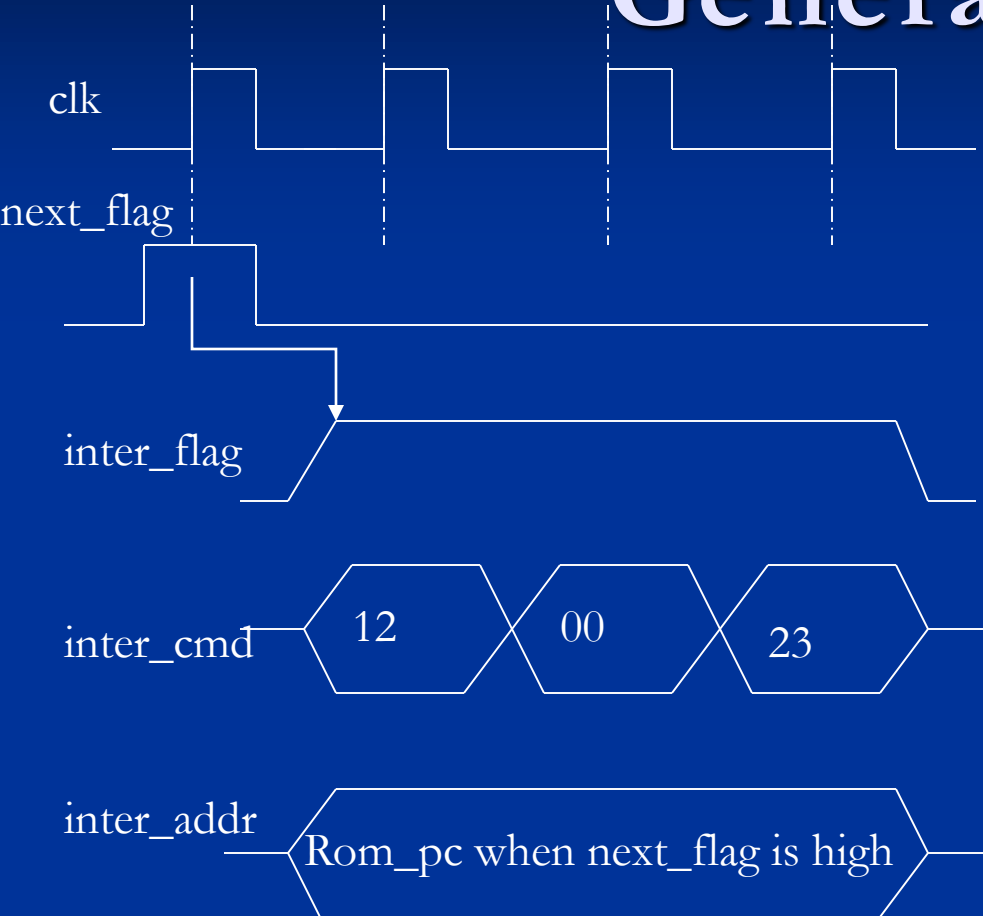


Interface to Interrupt Generator(1)



- **next_flag** tells interrupt generator it is a good time to give 8052 an interrupt.
- “**rom_pc**” in this time should be kept and send it to “**inter_addr**”

Interface to Interrupt Generator(2)



- If “inter_flag” becomes high, “inter_cmd” will replace “rom_data” as code.
- A code “LCALL addr16” will make “pc” turn to the interrupt vector.

Interface to Interrupt Generator(3)

- LCALL addr16 will do the following:
 - push “inter_addr” into stack.
 - “0023” as an interrupt vector will fill into PC.

So, interrupt generator will fill “inter_cmd” different bytes to make pc turn to different interrupt.

Interface to Interrupt Generator(4)

- “cmd32_flag” will tell interrupt generator a “cmd32” is being carried out.
- Interrupt generator will understand that this interrupt is finished successfully.

So this method will cheat 8052. 8052 will feel nothing but just implement 12 00 23 as a common code.