

Interrupts

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- Motivations
 - Inform a program of some external events timely
 - Polling vs Interrupt
 - Implement multi-tasking with priority support

Merriam-Webster:
“to break the uniformity or continuity of”

Polling vs Interrupt



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Polling:

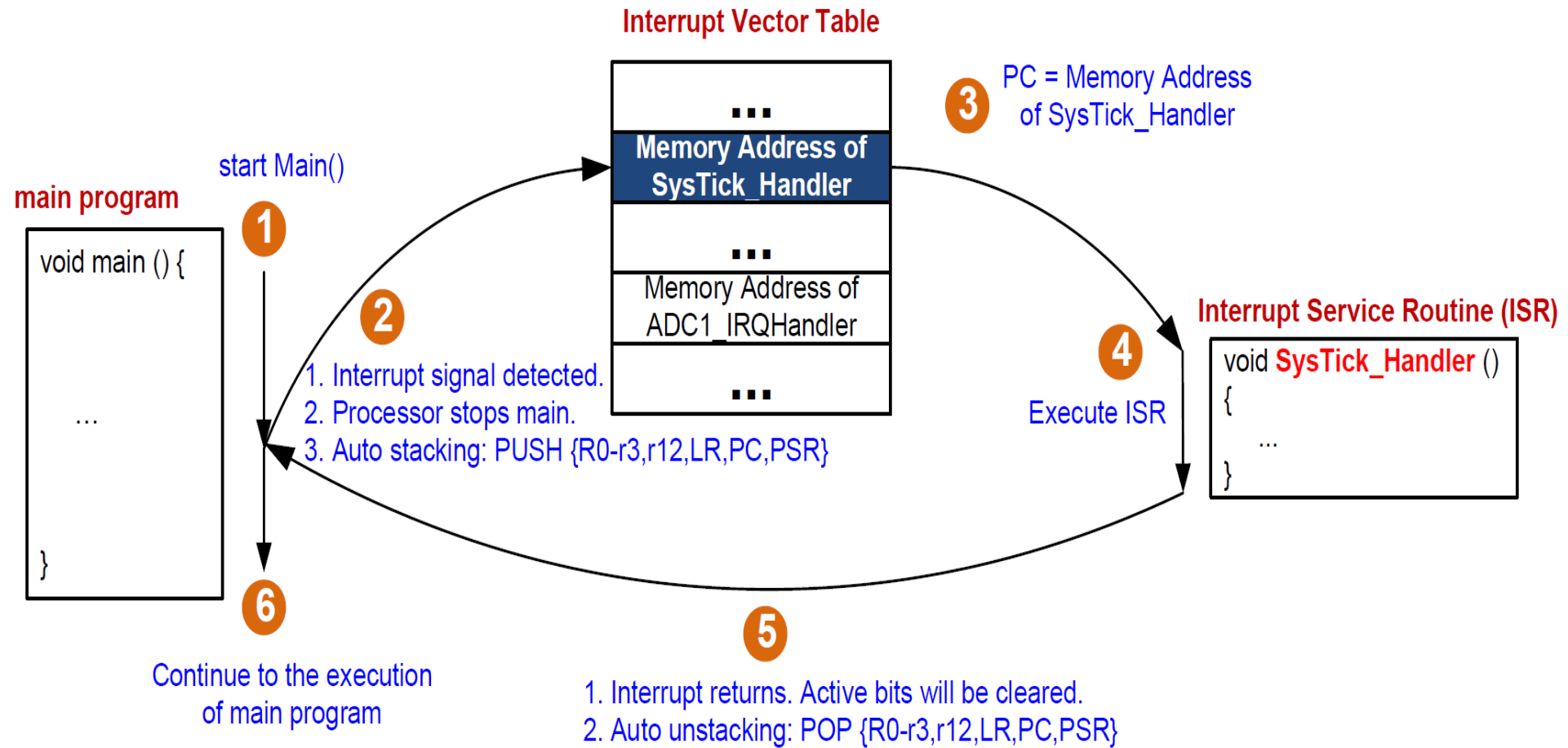
You **pick up the phone every three seconds** to check whether you are getting a call.

Interrupt:

Do whatever you should do and pick up the phone when it rings.

Image from <http://vecto.rs>

Interrupt



Stacking & Unstacking

