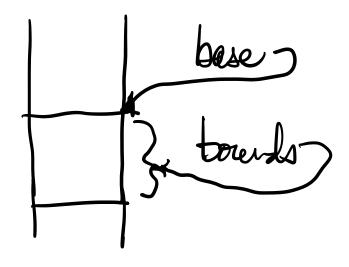
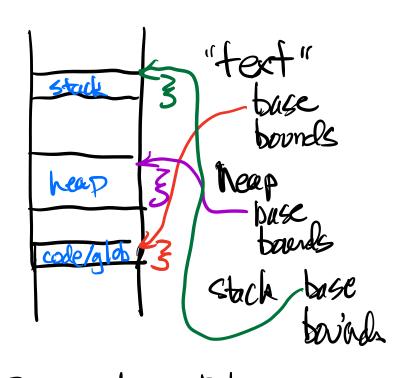
Segmentation

Se for: processes can be dynamically relocated. Parmits Surapping. time Permits H processes at some Permits H processes at some Desplain this Permits ISOLATION

But a Processess attas still all is one package. Individual sections cent reserge / grow.



Common CS thought: If one Foo is good, 2 More Foos are better.
Derives from Mack Sennett Keystone Studios Keystone Kops
If one Fat men falling down is formy, two Fat Men falling down is twice as Firmy — see Fatty Adrichle
Hence segments Three segments code globals herep Stack
EACH gets their own base & tourds



Big benefits
** regions can grow!

* fitting segments into holes in Ram lainer

But how do you know Which

pair of registers to use?

Explicit.
Take top 2 bils of all Vivitual addresses.

OD Code globals) closer beet of there is divided VA

Implicit the address generated. By Program Counter? eese code b/b pair From stack pointer? use stack BlB pour else use heap pair question - what about globals? BTW: Segmentation volation Noto stach offsets one Negative. All of a segment mest still reside in RAM Permet showing of segments permissis