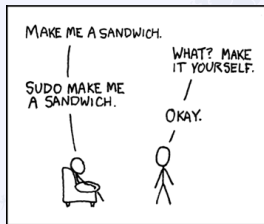


- Given dependencies between $n \leq 10^5$ files (in Makefile form) and one changed file, output a build order that satisfies dependencies.
- Each file has up to 10 dependencies.

<code>gmp:</code>	<code>gmp</code>
<code>solution: set map queue</code>	<code>map</code>
<code>base:</code>	<code>set</code>
<code>set: base gmp</code>	<code>solution</code>
<code>map: base gmp</code>	
<code>queue: base</code>	

Given the Makefile on the left, if the file `gmp` has changed, we can recompile in the order shown on the right, from top to bottom.



xkcd comic 149.
CC BY-NC 2.5 by Randall Munroe on xkcd.com