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#|

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|#

; Matt Wilding
```

EVENT: Start with the library "**integers**" using the compiled version.

THEOREM: irem-itimes-igcd
$(\text{irem}\,(x,\ a) = 0)$
$\rightarrow\quad ((\text{irem}\,(x,\ \text{igcd}\,(a,\ b)) = 0) \wedge (\text{irem}\,(x,\ \text{igcd}\,(b,\ a)) = 0))$

EVENT: Make the library "**extras**" and compile it.

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