

**CMSI 387-01**  
**OPERATING SYSTEMS**  
Spring 2014

## Assignment 0422 Feedback

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### Dining Philosophers

*2d* — You're not fully there, but headed in the right direction! See inline comments for details. (/)

*4a* — Main issues include: overlapping printout, no chopstick state in printout, no error checking, and premature releasing of chopstick lock when putting down a chopstick; details and context can be found in the inline comments. (/)

*4b* — The overall structure of your program is sound; it's what you do *within* this structure that needs to be tweaked. (+)

*4c* — At least your code is easy to read, so it wasn't hard to figure out what was going wrong :) Strictly speaking, your naming is cute and semi-acceptable for this hypothetical program, but remember the Rule of Clarity: "Clarity is better than cleverness." (|)

*4d* — Based on this, I don't think you've been able to fully assimilate the process synchronization material, but need a little more processing. Theory is one thing but practice is another :) (|)

*4e* — Commit frequency and messages are appropriate to the work done. NOMS. (+)

*4f* — Submitted, buggy, more than a week after the due date. (/)

### Paged Memory Address Translation

*2d* — It seems that you have "forgotten" about "memory" address translation >:-) (-)

*4a, 4b, 4c* — I guess you have no "memory" of writing this code. (-, -, -)

*4d* — I think it's fair to say that you had difficulty "translating" the information available from the "page" into software. (-)

*4e* — Instead of committing this to "memory," commit it to the repo. (-)

*4f* — Not submitted on time. (-)

### Updated feedback based on commits up to 5/8/2014; only re-evaluated outcomes are included:

Dining philosophers *2d* — The philosophers thank you for feeding them :) (+)

Dining philosophers *4a* — You've gotten the core solution right, with decent output for displaying the system state. Unfortunately, you still don't include any "sanity check" code or asserts that cry foul upon improper behavior. Kind of a major thing that still keeps this from getting any higher, unfortunately. (/)

Dining philosophers *4c* — Name issues fixed. (+)

Dining philosophers *4d* — You did pretty well finding needed information but still missed the error checking, which is weighted quite heavily. (|)

Paged memory address translation *2d* — You have successfully implemented paged memory address translation from the ground up. (+)

Paged memory address translation *4a* — No issues with your code outside of that unnecessary bitwise-&. Otherwise works as spec'ed. (+)

Paged memory address translation *4b* — One little separation of concerns tweak would be unhardcoding 256. But overall n.b.d. (+)

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Paged memory address translation *4c* — Clean code, no big issues. (+)

Paged memory address translation *4d* — You successfully utilized available information to implement paged memory address translation. (+)

Paged memory address translation *4e* — Two commits is acceptable here because the program is sufficiently simple. And your messages are a tad more descriptive, e.g., “added error checking.” See how that actually gives the reader an idea about what changed from one commit to the next. (+)