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*Partner assignments*

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| Gavin Bell           | Derek Rutter  |
| Juan Brito Rodriguez | Alex Ragus    |
| Andrew Dubay         | Ethan Knudson |
| Laura Florescu       | Nina Showell  |
| Michael Gottesman    | Robert Kahn   |
| Cori Savaiano        | Trey Sands    |
| Erik Swanson         |               |

*Problems*

- Romer's Problem 3.3.**
  - **Additional task:** For each part, sketch the time paths of  $g_A$ ,  $g_K$ , and  $\ln Y$  from the time of the change.
- Romer's Problem 3.4.**
  - **Add new part (d):** Is this a "convergent" model or is there endogenous growth in this model? How is your answer to this question connected with the answers to (b) and (c)?
- Romer's Problem 3.5.**
  - **Addition to part (c):** Sketch the time path of  $g_K$ ,  $g_A$ ,  $g_Y$ , and  $\ln Y$  in response to an increase in the saving rate.
  - **Omit the last part of (d):** I don't find a compelling intuition here, so you don't need to either.
- Romer's Problem 3.15.**
  - **Additional part (pre-a):** Describe intuitively the differences between the human-capital model in this problem and the one in the chapter. Discuss specifically the following points:
    - i. How is human capital produced in each model?
    - ii. What is given up in order to produce more human capital?
    - iii. Are returns to scale in produced inputs constant or decreasing in each model?
  - **Hint:** This is a different kind of human capital model from the one discussed in the chapter. Do not try to carry results over from the earlier model to this one. Solve this model on its own.
- Romer's Problem 3.19.**