STF Is Optimal!

- Average completion of STF is the shortest among *all* scheduling approaches!
- For our example on previous slides,
    - Average completion time of STF =
      (Task 1 + Task 2 + Task 3)/3
    - = (18+8+3)/3
    - = 29/3
    - = 9.66
    (versus 14.33 for FIFO/FCFS)
- In general, STF is a special case of *priority scheduling*
    - Instead of using time as priority, scheduler could use user-provided priority