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1 AB CDE ABOVE ABDEC ADBCE ADBC DABCE DABCE DABCE DABCE DEABC ZA. A WEB BROWSER CAN BE RUNNING MULTIPLE TABS, MAYBE THINGS LIKE PLUCIUS OR EXTENSIONS, WHICH WOULD BENEFIT FROM MUTITHREADING. B. AUTOSAVING, PRINTING, SPELLCHECK CAN RUN SIMULTANEOUSLY WITH MT, C. WITH MULTIPLE CORES, YOU EXPONENTIALLY MULTIPLY THE WORK THAT CAN BE DONE EACH CORE CAN RUN MULTITHREADED PROCESSES. D. THE OS WOULD BE MORE RESPONSIVE AND ALLOW FOR FASTER PROGRAM EXECUTION. SA. PROCESSES /PROGRAMS WON'T FREEZE THE UI OR HANG AS OFTEN. B. THE PROCESS IS NY USING ANY MORE RESOURCES, BUT IS ABLE TO DO MORE WORK. C, ASSUMING THAT ECONOMY MEANS RESOURCE USAGE SUPPLY/DEMAND, BELAUSE FROCESSES CAN DO MORE WORK WITH THE SAME AMOUNT OF RESOURCES, BUT FASTER, THE ECONOMY WILL FLOW BETTER AND BEBOTER ABLE TO KEEP UP WITH DEMAND D. SIMILARLY, SINCE THE ECONOMY IS BETTER, IT IS MUCH ENSIER TO SCALE THINGS UP BECAUSE THERE WILL BE MOKE RESOURCES AVAILABLE. 44 ONE HAS TO DECIDE WHICH PARTS OF A PROCESS GET TO BE MULTITHREADED SO THAT IT IS EFFICIENTLY SPLITTING UP THE WORK. B. I'M GUESSING BALANCE HAS TO DO WITH HOW MUCH WORK EACH THREAD IS DOWNG. SO IN THAT WAY HE WANT THREADS TO DO ROUGHLY THE SAME AMOUNT OF WORK C. WITH DATA DEPENDENCY YOU NEED TO MAINTAIN DATA INTEGRITY, AND ENSURE THAT YOU ARE ALLESSING THE PLICHT PART OF THE DATA. JD. DATA SPLITTING IS ROUGH BECAUSE IF YOURE DOING SOMETHING LIKE READING A FILE, KEEPING THINGS IN THE RIGHT ORDER CAN BE TRICKY, 5A. KERNEL STACK B BECAUSE THE COUNT VARIABLE IS CREATED ON THE THREAD STACK, SO EACH THREAD HAS ITS OWN COPY AND THUS WILL INCREMENT ITS OWN COPY SEPARATELY. C. IT'S TO SAVE THREAD STATE, RETURN THE STACK TO A CERTAIN PLACE. D. MY THREAD IS CALLED 4 TIMES, THE VALUE OF CODE 15 2. THE PRIME STATEMENT,