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Meet our board of directors Transcribed image text: Fox Manufacturing applies manufacturing overhead at a rate of $32 per machine hour. c. Identify the shortcomings of this rate that will cause overhead applied during the period to differ from the actual overhead costs incurred during the period. Note: You may select more than one answer. Single click the box with the question mark to produce a check mark for a correct answer and double click the box with the question mark to empty the box for a wrong answer. Any boxes left with a question mark will be automatically graded as incorrect. Actual overhead is likely to differ from the estimated figure used to compute the application rate. Actual machine hours are likely to differ from the budgeted amount used to compute the application rate. Machine hours are not likely to be perfectly correlated with the incurrence of manufacturing overhead costs. Efficiency of labor is not taken into consideration. Cost of labor is not taken into consideration Required information [The following information applies to the questions displayed below.] Fox Manufacturing applies manufacturing overhead at a rate of $32 per machine hour. Identify the shortcomings of this rate that will cause overhead applied during the period to differ from the actuat overhead osts incurred during the period. Jote: You may select more than one answer. Single click the box with the question mark to produce a check mark for a orrect answer and double click the box with the question mark to empty the box for a wrong answer. Any boxes left vith a question mark will be automatically graded as incorrect. Actual overhead is likely to differ from the estimated tigure used to compute the application rate. Actual machine hours are likely to differ from the budgeted amount used to compute the application rate. Machine hours are not likely to be perfectly correlated with the incurrence of manufacturing overhead costs. Efficiency of labor is not taken into consideration Cost of labor is not taken into consideration. in Python 3 Consider the following problem: A farmer must move a bag of grain, a chicken, and a fox from left bank of the river to the right by boat. The boat can hold only the farmer and one other object at a time. Apparently, only the farmer can row the boat. If the chicken is left unattended on a bank with the grain, the chicken will eat the grain. The fox will also eat the chicken if they are left unattended. Help the farmer find his way to move everything from left bank of the river to the right without losing the bag of grain or the chicken. A state of the problem is represented by a 4-tuple of booleans, i.e., (bfarmer, bgrain, bchicken, bfox), where the value of True means the corresponding entity is on the left bank andFalseon the right bank of the river. For instance, the state (False,True,True,False) means that the bag of grain and the chicken are on the left bank while the farmer and the fox are on the right. Unfortunately, this is an invalid state since the bag of grain and the chicken are left unattended together and so the chicken will consume the grain. With this representation, the initial state and the final state of the problem are (True,True,True,True)and (False,False,False,False), respectively. Note that there are at most 4 possible actions that can be taken in any state of the problem. We will use the following keys to represent these actions: 'F': Farmer crosses the river alone 'FG': Farmer crosses the river carrying the bag of grain 'FC': Farmer crosses the river carrying the chicken 'FX': Farmer crosses the river carrying the fox Complete the implementation of the classFarmersProblem, a solver for the farmer's problem. a) _init_(self, init_state, goal_state)should first initinalize the parent portion of the instanceby calling the parent'sinitmethod with proper arguments. Then, it should initialize its owninstance variables as needed. >>> farmer = FarmerProblem((True, True, True, True), (False,False,False, False)) >>> farmer.init_state (True, True, True, True) >>> farmer.goal_state (False, False, False, False) b) actions(self, state) returns the list of valid actions that can be executed from the given state. >>> farmer.actions((True, True, True, True)) ['FC'] >>> farmer.actions((False, False, True, False)) ['F', 'FG', 'FX'] >>> farmer.actions((False, True, False, True)) ['F', 'FC'] c) result(self, state, action) returns a new state that results from executing the given action inthe given state. >>> farmer.result((True, True, True, True), 'FC') (False, True, False, True) >>> farmer.result((False, False, True, False), 'FX') (True, False, True, True) >>> farmer.result((False, True, False, True), 'F') (True, True, False, True) d) goal_test(self, state) returnsTrueif the given state is the goal state. Returns False otherwise. >>> farmer.goal_test((True, True, True, True)) False >>> farmer.goal_test((False, False, True, False)) False >>> farmer.goal_test((False, False, False, False)) True The following data were drawn from the accounting records of Fox Company. Year 2 Year 1 Revenue $ 120,000 $ 100,000 Operating Expenses 78,000 60,000 Net Income 42,000 40,000 If the year to year trends shown in these data continue revenue for Year 3 will be $144,000. operating expenses for Year 3 will be $101,400. net income for Year 3 will be $42,600. All of the answers are correct. There are 3 steps to solve this one. Complete the I-9 Form for Zachary Fox (SSN 121-21-2121), a new employee who lives at 1483 Independence Road, Durham, NC 27701. He requests assistance in completing the employee portion of the form. Zachary was born on February 27, 1977, is a United States citizen, and (although you are providing him with assistance) completes the employee section of Form I-9 himself on his date of hire. TCLH Industries (located at 202 Whitmore Avenue, Durham, NC 27701) utilizes the E-Verify system to confirm employment eligibility. Zachary provides his driver's license number (NYS, 888 888 888, expires 2/27/2023) and Social Security card (issued by the Social Security Administration) to his employer, who completes the form on Zachary's date of hire (December 6, 2021). All forms are signed by the CEO of the company, Michael Sierra. USCIS Form I-9 OMB No. 1615-0047 Transcribed image text: 10. Using alphabetical order, construct a binary search tree for the words in the sentence "The quick brown fox jumps over the lazy dog."