1 (a)

```
S = database$
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BWT(S) = etbda$saa
https://powcoder.com
```

(please include sometimes of your solution)

1 (b)

```
During exam, the initial values of the alphabets are less important. For this qn, after Miff, the last two a's should be 2, 0. https://powcoder.com
i.e., Add WeChat powcoder
102, 116, ..., 2, 0
```

1 (c)

Pls illustrate your steps using either F & L column, or C[] and Occ. Assignment Project Exam Help

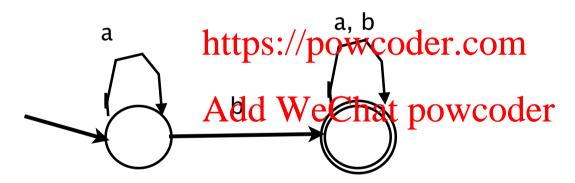
Final answer is barbara\$

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2 (a) & (b)

(a? bab)*

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3

- /bib//book[year > 2000]/author always produces a subset of the result from /bib[*//year > 2000]//book/author
- As the latter can match more general cases, for example /bib//last-updated/year may contain the last update date of the citization bib database. The latter all the latte

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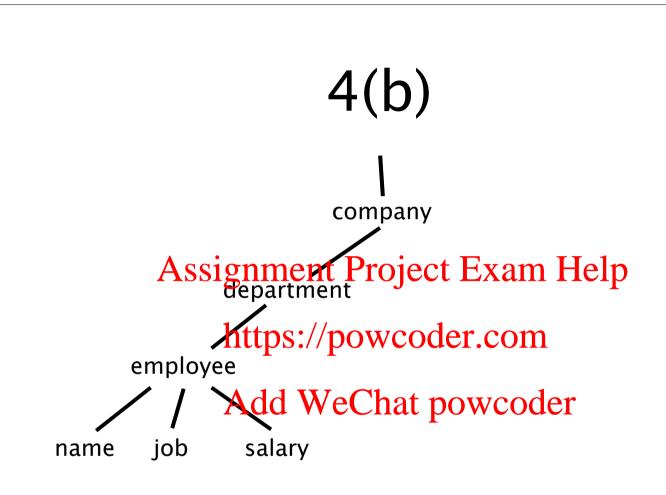
4(a)

The idea:

Your answer should consider the encoding of the XML tree into the balanced parentheses / bits:

(((()()()()()()))(())) ssignment Project Exam Help You will then need to assume these parentheses are stored in blocks and explain how multi-tiered architecture as shown in ISX can efficiently compute some same are stored in blocks.

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Use an example to illustrate how to match a sub-path on the following XBW (for simplicity, the text values are not shown here):

