# 1 (a)

```
S = database$
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BWT(S) = et
https://eduassistpro.github.io/
```

(please included somet edu\_assisty of the solution)

## 1 (b)

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

## 1 (c)

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

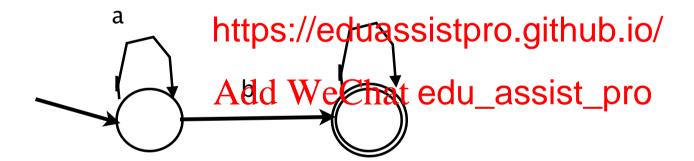
Final answe https://eduassistpro.github.io/

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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 citize bib database. The last update date of the citize bib database.

https://eduassistpro.github.io/

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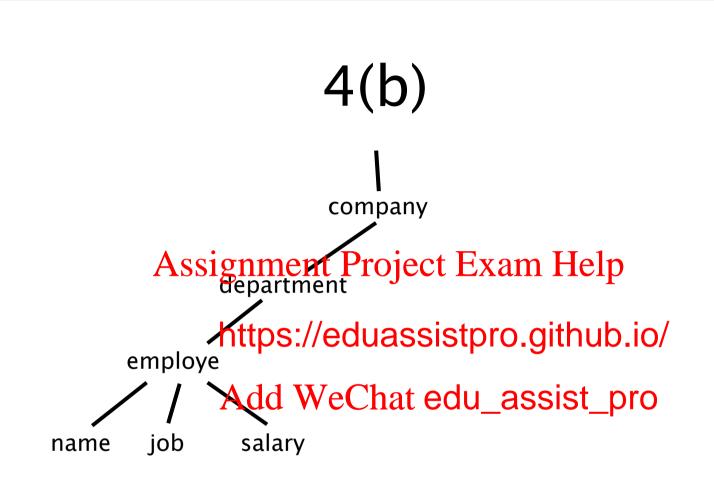
# 4(a)

#### The idea:

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

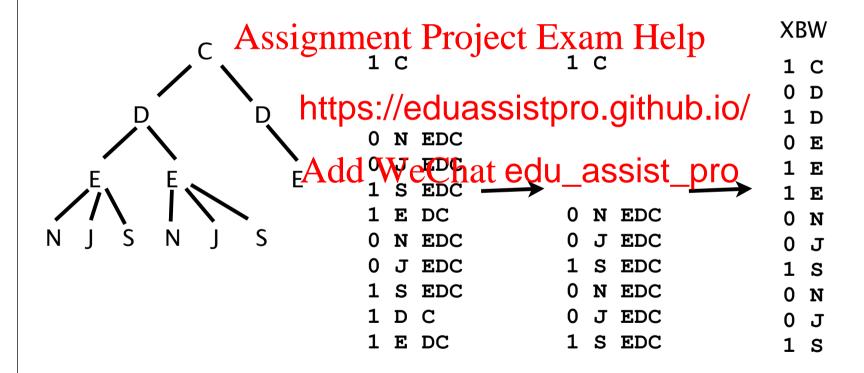
(((()()()()()())))(())) Assignment Project Exam Help You will then need to assume these parentneses are stored in blocks and explain how mu n in ISX can efficiently compute https://eduassistpro.github.io/

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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):



#### 

