Computational Learning Theory **Fall Semester, 1992/3**

Lecture 2: November 5

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2.1 Some theorems and stuff

We now delve right into the proof.

Lemma 2.1 *This is the first lemma of the lecture.*

Proof: The proof is by induction on ... □

Theorem 2.2 *This is the first theorem.*

Proof: This is the proof of the first theorem theorem. □

2.1.1 A few items of note

Here is an itemized list:

- this is the first item
- this is the second item

2.1.2 A few more items

Here is an enumerated list:

1. this is the first item
2. this is the second item

2.2 Next topic

We are now ready for a major definition.

Definition This is the definition of *myword*.

Corollary 2.3 *This is a corollary following from the definition of myword.*

Sometimes we define terms in the middle of a paragraph. This is a *different term* being defined. Wasn't that easy?

On to the next page:

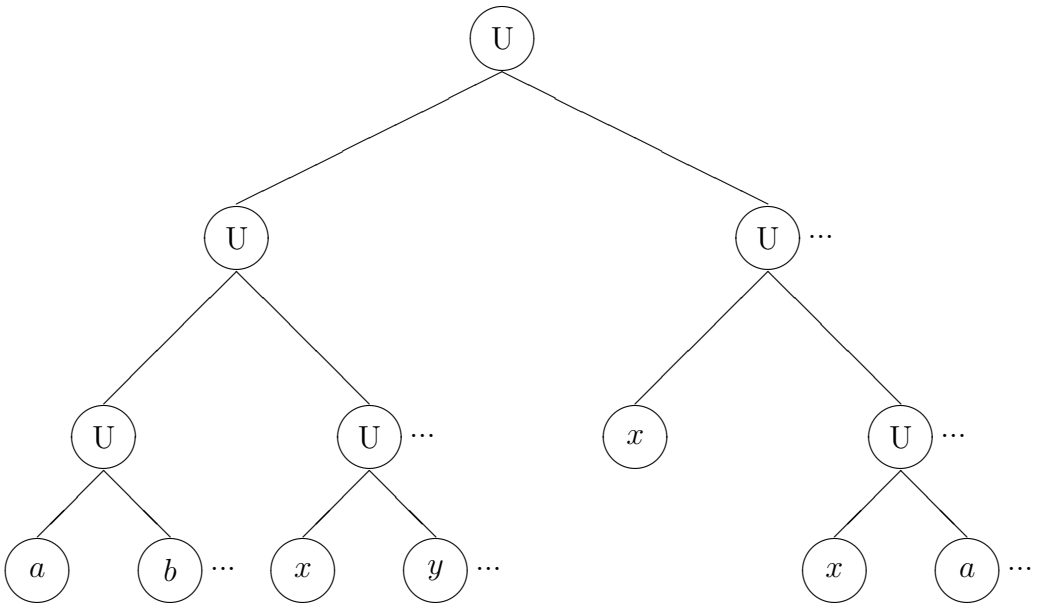

Figure 2.1: This is my picture.

This can be seen in Figure **??**. Note that latex actually places this text *before* the figure, even though it appears after the figure in the .tex file.

Figure 2.2: This is a new picture.

```
FULL_i(h), h ∈ {1...n−1}
    begin
    if NUMV_i(ℓ_max, h) ≥ n − h
      then return (true)
      else  return (false)
    end FULL

MAKELABEL_i
    begin
    if i ≠ i_max
      then h' := minimum h such that FULL(h) = true
           x_i := NEXTLABEL(ℓ_max, h')
    end MAKELABEL_i
```

Figure 2.3: Code for MAKELABEL$_i$ of BCTSS

.

2.3 Exercises

1. Kama-kama yatzaa Hapoel Beer-Sheva mul Makabee Tel-Aviv be-onat 82?

*2. Tanin hu yoter aroch o yoter yarok?

*3. Ma shem hamishpacha shel ha-denni sh-amar: "$2B \vee \neg 2B$".