

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:

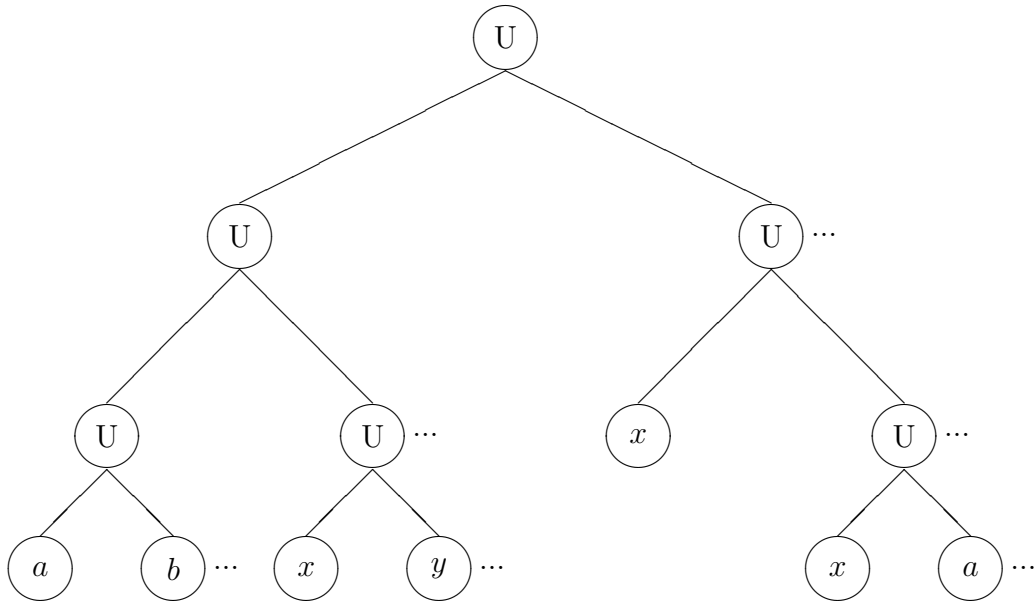


Figure 2.1: This is my picture.

This can be seen in Figure 2.1. 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.

```
FULLi(h), h ∈ {1...n - 1}
  begin
  if NUMVi(lmax, h) ≥ n - h
    then return (true)
    else return (false)
  end FULL

MAKELABELi
  begin
  if i ≠ imax
    then h' := minimum h such that FULL(h) = true
         xi := NEXTLABEL(lmax, h')
    end MAKELABELi
```

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: “ $2B \vee \neg 2B$ ”.