CSCE 330 Fall 2000

Quiz 25

Assigned Wednesday 00/11/8

As part of your recent programming assignment, you wrote a function to delete an element from a *set* represented as a list. Complete the function below so that it deletes an element from a *bag* represented as a list. (Bags are sometimes called multisets.)

```
fun delete (x,[]) = []
|   delete (x,y::ys) = if x = y then delete(x,ys) else y :: .... ;
```

Answer (with example):

```
- fun delete (x,[]) = []
= |   delete (x,y::ys) = if x = y then delete(x,ys) else y :: delete(x,ys);
val delete = fn : ''a * ''a list -> ''a list
- delete (1, [2,1,3,1,2]);
GC #0.0.0.0.1.7:   (11 ms)
val it = [2,3,2] : int list
```