Due by the beginning of class, Oct. 21.

1. Let $T$ be an $n \times n$ text and $P$ be an $m \times m$ pattern. Give an algorithm for finding all occurrences of $P$ in $T$.

2. Give a family of binary strings that produce suffix trees of maximum depth (that is, the maximum depth of a node is as large as possible).

3. Give a family of binary strings such that the sum of the string lengths of the edge labels is linear. Give one where the sum is quadratic.