1. [10] Give a Dynamiz Programming recursive formula
for "Maximum Bitonic Subsequence".
I.E. find the cardinality of the largest
not-necessarily-contiguous subsequere of a
given input sequence A = [a, az,, an]
of integers.
[a Sequence is bitonic if its values
rise and then fall. 81453927692
-the red numbers are a bitonic subsequence
Either the rising or the falling can be empty.
Ensure the recursive formula does not have cyclic dependencies
by identifying an evaluation order
0.0
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2. [I mark] Let the letters and frequencies be as given below by A and F, respectively. What are the contents of the Priority Queue when only three trees remain?
A = a b c d e f g h i j F = 50   12   11   2   100   5   5   60   30   20
Give the three trees, with key values on each node of each tree (ie pribrity-queue Key values).

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