编译原理第八次理论作业

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Given the translation scheme for the EQN language (see pp.40 in this lecture), calculate the height and depth of the input:

text sub text sub text.

Suppose that for each **text**,

- getHeight(ps, **text**.lexval) = 8 * ps
- getDepth(ps, **text**.lexval) = 0

text1.ps=10 text1.ht=80 text1.dp=0

text2.ps=7 text2.ht=56 text2.dp=0

text3.ps=7 text3.ht=56 text3.dp=0

将前面的text sub text当作B1,则B1.ps=10 B1.ht=max(80,56-2.5)=80,B1.dp=max(0,10*0.25)=2.5

则此时text3为B2，最后的结果B.ps=10 B.ht=max(80,56-2.5)=80 B.dp=max(2.5,0+2.5)=2.5

所以最后的结果是height为80，depth为2.5