תרגיל 1 - פתרון

שאלה 1: אלגוריתמים

i. product(L):
```
p ← L[1]
i ← 2
while i ≤ len(L):
        p ← p × L[i]
        i ← i + 1
return p
```

ii. all_same(L):
```
i ← 2
while i ≤ len(L):
        if L[i] ≠ L[1]:
                return "no"
        i ← i + 1
return "yes"
```

iii. add_one(L):
```
R ← [ ]
i ← 1
while i ≤ len(L):
        R[i] ← L[i] + 1
        i ← i + 1
return R
```

שאלה 2: מודל שפה

i.   predict([the little], 2, C2, 6)
the little prince who are you

ii.   predict([so small], 2, C2, 10)
so small that is a little prince who are you

iii.   predict([the grown], 3, C3, 8)
the grown ups are certainly very (much surprised/odd he/very odd)

iv.   predict([the little], 3, C3, 14)
the little prince who never in his life had let go of a question

שאלה 3: תיוג חלקי דיבר

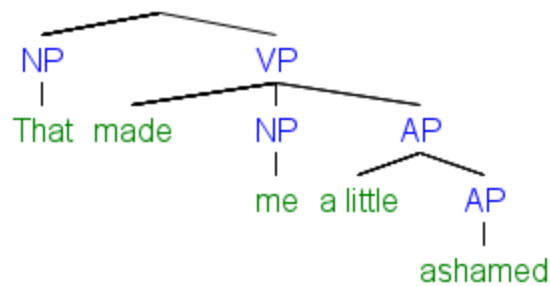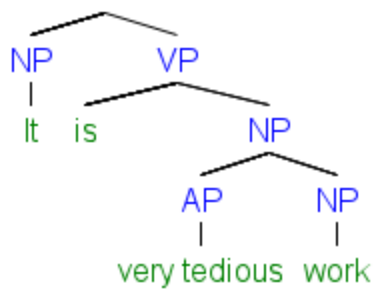i.   tag1([the little prince asked many questions], Cwt)
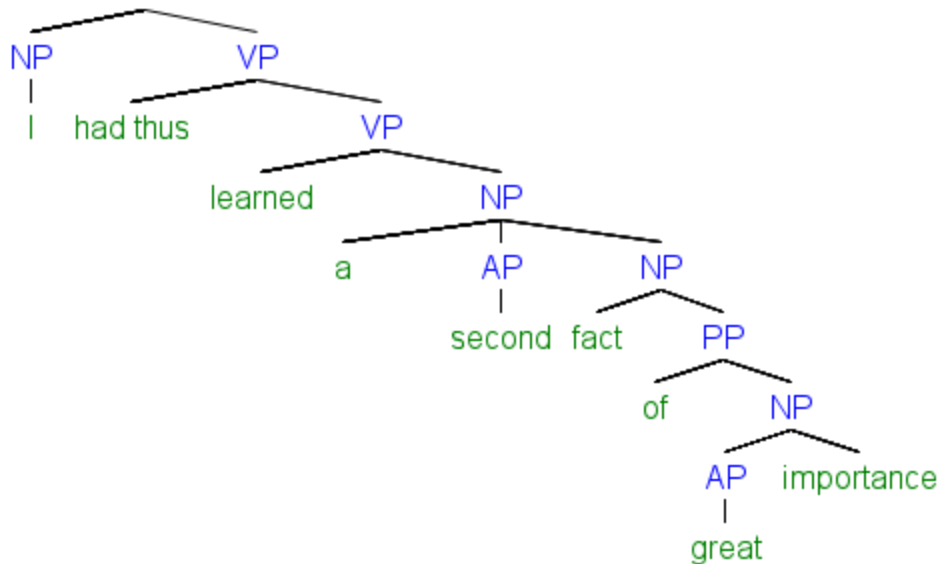**DT JJ NN VBD JJ NNS**

  ii. tag2([i order you to laugh], Cwt, Ct2)
    PRP VBP PRP IN NN

  iii. tag1([i order you to laugh], Cwt)
    PRP NN PRP TO VB

  iv. tag2([please say what you please], Cwt, Ct2)
    UH VB WP PRP VBP

שאלה 4: ניתוח תחבירי

  i. [I]_NP [had thus [learned [a [second]_AP [fact [of [[great]_AP importance]_NP]_PP]_NP]_NP]_VP]_VP

  ii. [It]_NP [is [[very tedious]_AP [work]_NP]_NP]_VP

  iii. [That]_NP [made [me]_NP [a little [ashamed]_AP]_AP]_VP

  iv. [He]_NP [was [really very [angry]_AP]_AP]_VP

או בצורת עצים:

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