# 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

1. predict([the little], 2, C2, 6)  
   **the little prince who are you**
2. predict([so small], 2, C2, 10)  
   **so small that is a little prince who are you**
3. predict([the grown], 3, C3, 8)  
   **the grown ups are certainly very (much surprised/odd he/very odd)**
4. 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

1. tag1([the little prince asked many questions], Cwt)  
   **DT JJ NN VBD JJ NNS**
2. tag2([i order you to laugh], Cwt, Ct2)  
   **PRP VBP PRP IN NN**
3. tag1([i order you to laugh], Cwt)  
   **PRP NN PRP TO VB**
4. tag2([please say what you please], Cwt, Ct2)  
   **UH VB WP PRP VBP**

# שאלה 4: ניתוח תחבירי

1. [I]\_NP [had thus [learned [a [second]\_AP [fact [of [[great]\_AP importance]\_NP]\_PP]\_NP]\_NP]\_VP]\_VP
2. [It]\_NP [is [[very tedious]\_AP [work]\_NP]\_NP]\_VP
3. [That]\_NP [made [me]\_NP [a little [ashamed]\_AP]\_AP]\_VP
4. [He]\_NP [was [really very [angry]\_AP]\_AP]\_VP

או בצורת עצים:



 

