Assignment 02

A.

uqme, glmb, garn, cnmm, olqt, hyit, towl, nsxa, vrih, fdeb, ellu, ipvt, ebfs, kike, irue, adij, oaio, mcqc, hcgs, ybcp, icvi, lexe, aapc, giuf, uhif, oakq, nqdm, buqg, ayau, mxzj, zvjj, oaag, jgpk, aniy, tbme, tgfs, iwlz, lrsp, rcly, pglf, taaz, xjzp, czfl, ephy, ijcs, utud, lcfr, vkhe, msww, vxoa, xiyl, twsk, wszl, blje, risw, bdky, ladn, vqol, qmnw, tqob, iwue, nnxo, hvwr, yjsv, lsow, apzw, udzr, xtgx, nbrv, uemz, qmwd, nrtz, ucgy, mbsf, rtzi, lnjm, nxzx, nfxo, clbp, acpo, qhiw, pgtb, ywha, frqn, fjcb, ckif, dskq, gfiw, dwnw, fxfl, awho, bkzu, sbjj, xtft, nowd, ionp, ktpn, qayw, iwtt, cxnu

B.

advt ieor trio oyen mrya tuca loun lidu semk amur oyly aete yhor ueli wweh iota yeoa hekt otef eooi hhoe ewrn ooot tdky olio efoa llhu ltlf iiwe kalm dost lwrs dhyo bnym fnnw ltni sasw sooi wiii ucdi lrou nkai cpmt sthh ohio niae aidn nnat eyti eoor finl weai tdiu yimp kdoi iosr rien uoet tdll melt maww raea rtod iwat insi erla korn wiii atat seoe yeib nonn oddn ntad smns inee dodu iowd inea inlo otet eeod hdml nsmu tuse fedo eiet owtd dlir tuum ooyd irtl duud tmdt yisk iowe ttua velh owwr azyl

C.

(use the letters inside and between a word)

eidl otbu dnid urke utsp buld spay amei thet spai sein fric onot litl nker ouwo etld widn ngam nota thei odyo notm twik ouwi myou lnom eido heme apat eeno midf tham eert udot dewi abul fafr otil dous otll ntin rita outh noun yhak hith noul othe ulnu otou sfrt outs mama mami oudn ldey ikem woyo usom erta ourf onor mitr utll tldn thei like eath tidn anou dywo otin nwit span otho lino ewdn your trei ywou ulno msal otla wats enou ikak itli ouli oure thar ommy itar ozil ulli satl mili grou enid wome

(use only the letters inside a word)

tsou meve mats ifil ithe ulit done here here lamy coul wifa thik keno illd inou noma iker ewot ther eerk ider iker eree doth uldo yots ouli thet afal toul iler itou itra ifrk doth othe same dlil adot amew fama anot doth noul noth ataf mado oudo eath llet oull oule otam when otee ithe your cher paid tevi mike keny inot onou anot yotr onon ithe enou amam othe iler coma doth othe thev spal dere espa iket noth unco ldot llet deam othe

coul reto othe nore emil orea ywou thew nket buld ulit uler lame

D.

Suppose to satisfy the Markov property.

So

$$p(x_n|x_{n-1}, x_{n-2}, \dots x_1) = p(x_n|x_{n-1})$$

So just use the metrx of question C .

wder noul yoth endo eree meer otsp doul otha erew llik mema here youd ould eath urer lyom oudo ilen ldom doul ikem eevi mayo mere woul amer roth ouli eath wher thur thee pade lent erad noul ther yomi noul ethe unco woth idom heer dore inot eyou ewot inot noul udee anou ywhe knot mike iker wike ildo tspa amik ould oure soth like inou myre deve youd noth lldo aith othe othe eeno ikee whem inot kets eeth ithe spam ddot oull mero dere ithe lyom kere youl ifre ikee erer noes yoem yoth like frat linc

E.

Repeat parts 2b-2d using the "saki story.txt".

B on "saki story.txt"

oibo hsam aeao hlom knba eudc ehti dira atup bmoo mruo ufoh ihao suaa tnan oaid dsol ubnl heft aofe mhko emyl elat tssa uinl orln iees dsoh ehwe stht penb eemo eoah sedg otah snnt iust baoo ehlr oieg rlag hlad irne imil edmf naee vnao nies tear nrsl couo rnlt heia haih euii kwwt nclt ngoa anmr newe dits voti cpid dilj ieoe wtso ysho sics ssbe slan rsnf auer utza lnnt tyee wurt ltnt atts maiw stde surd wtoe eorh sogh atlt fuul seae thhn ufod droa teac near cann oeiy neht rrel resb oetu arph dahu

C on "saki story.txt"

(use the letters inside and between a word)

nont onec uthe eree ebat cred leit uany dini cerd tilm once eren ieou nten orek esce youl tzeo ghew goti memp arve mict ofew plld lang nadi veof grwh ulor nofa ngha uler lesu sdof atot owoo satl hedo dntn bofo harn hoob voce reti neso ltic titi tfom ndfr ogio utjo

aryt imee ties gsst ldgs evom ssst sind onew dthh lldt dthi ndte uldy ndtl aldo sthe ndou isef iong ghin thec alst empe hier ubat eohe irom ngil lyin heea ilst ayas rwof stis olld heea lash wasc wars cred neli chec orer kego mato ulll

(use only the letters inside a word)

erin otld stht toul thel asto esub onth beag nlyh eron thad leed erac wlig hedi lvou irea ngsi indo plab nghe nern thal atrg nest nder vito ouri nerc ucre ilyi oofa spom deco wind ftin yera ngea anan sexp cepe erok uder than erns eaiv tser acur opof chen aprd metl aner deca andi herw eten nken nese ange veng stca lyea long ovea dyma ilay adsh rdse ting edio eroo deat scoy rong enor itha owen hane lsat cono omby sees erng soun athe rnon lyoe sere thmo nten mean eras ther seme ofou ches ofon mudo

D on “saki story.txt”

hind rant tlit eren peny lesh inch rtam ling thar sere lses thid nrec reic anye erer mait esou ayit rywa erou edsh fath nyed feai dola itha hele hero tong herl iele yeve ongr engr edly erth soou orng wdes rywo yicr hith wang ofis ghen hedo rung amme hery anya frye idss oker aryo eapp sugo hers oler enge wind anve uthe mest erom deds wldi plyi ofry sher erer area them rast ragg ongu hedu seng rrey vono ngot rgil psbo myis ssta sysp tigr aine trad hins ndfa teme oist edit ther ardt dlss hefa iche

F

From question a to question d, we gradually added the transition matrix and the Markov property, and it is clear that the resulting four-letter word is becoming more and more "real". When we add more complex components, the resulting words are sure to be better