Q1:

a)

tafoerhbmkoeadaaaaieomnsdetctnasnbdopeaplhttaigseiaobevnkuiskdreetatawbonadntadxtpueshtodujwmoootuananooerawirhihdeooriiseehhnpenastetioahtaiieeueatoleoortyoevniteitntkealerlaenoaseailouivfptolvvcohreonothhithbcsechianhteeetrswrooewrtegehvsievseccaaunarnodnxterqumotntrnrutreosuksrtaswesaslrngesaaruocenannaaepispdhnietpaohgeotwbitchcsuhwngentahteleeuirtmeuviwosiwtanrdhasialypeiuarivtotcrezasacheerharntonesoptdiwteetpnnssetifxsetfesdeastsawqenoastneneddrooipgedelfrpacwlifibrliihtocengaswflhltpfcetiatbeowtheldouwoaootlostrettsteseaneiaemosvbreiovionhfmfenefoxcnahdtopoeehotxnlrnrrpgnogitrhihararetoeiraoeehccaornvusdihotdoyocsaosarfouurstymatymnvweslmmaharpohssoltmnenfhnoefeorvrnfaorgeodeadrtcetrareetnnntrrrhpvrutuhwucigpslnhwhecuisespsatpauwntcrrieshtseiareepoirieemheeoeiteplseentshleciktoheueheeeunneoareldtuntanteipdaueeastypetrberutbtadohomwctoogttpnselllbmyianvdacueaignmolnwatnfrhenhheloreigbstoneiretcleafisneronirosyteaonennemetnnlocehrrosrzctctamdnelndhrwtaflepeahnftetitsnenopwdhuwhnetkhpliuncktuhaycbneanfohrrhddittdtoinolooefaahtnpottlatoodhatlrodnolrfoooaotssertustifhhadhasrvorhorznneiseuqwcueruiioeotgalcaogseohntsgfonhaheansesadriarsefepetihhnonrtncrekhnunaydcteonrefotiwbgpcvourtoehtmyhtedeelcsuspinelkeutmeaestetigspiswgetcoaunorusotetohvhspiudecenyetnaeislppeitieemiogeiedasnsktrslohisegeaeeeceehaollnsdhnrtnrrsogwuemoessawdahtedeltehfofnntisrnetlusonnahtdhrahwcaolenxbehfmtypepitobecin

b)

Frequencies

a 111b 17c 42d 44e 192f 29g 23h 83i 81j 1k 11l 47m 23n 111o 125p 39q 3r 89s 86t 136u 46v 19w 31x 6y 13z 3Plot:

Comment:

Because using Columnar transposition cipher doesn’t change the frequency of each letter, the two charms are the same.