**Given Cipher – 2000 characters**

JFLLXIPASIYRMOYRHCBFQCAQXSENLHSLFVHGRGHLNLHPCZFQXBAZXJLHWZLFBWZNHRVACAHXNOZBDBKHWZLFBWZNHRVLXIBAMSYFCOUQMCFBDIUQNFZGJBKLNGKBWHOHAHTRRAORASABQSSCHCBENSZRBSYTNOUGCSJULCTNBGPTWSKGXDYBCSJGHCBLXICRKSLACOYTNHARMTVECSYZRBHGRCUVMCUGTBVJRHSBXYZYRYLVCAPTQHZCASHQCCAURGMHABPGDFLJJFLUXIZRJQYBBGAUNOSYNMAUNDHVWHVACVLJJZSFBHHECWUTCCIYRGARAIWONHARAULGJBVGQSYGAIJXACBAMHVGQWZFRRLGQWZVBOTVBHHXNWONESUGMCURJBFGQWUTWCIHCMVHFWSYRHZINFFVVDVECOUGCVHGHCBYRJLVLOUGKSSVNJLGQWZVBVHCYSUVWUOBFQVHURAUJBTNWULGDDHSCSYLXIUBCOTNWOARAAPAJHVELMIRARFAJAPPBAVQNZZHBDLPCJLURQSRBWNUCSKBWAVGXFHGYWJBBCBGQPVHWRBARHZGFCGRACZVGOUQOWCRBSCRWOAGNAWGRBARAQLCCIUVCCUROCBECVYRNQVZNWUGQWZVBCUROCBECVYRNKLFCPVHWRVAXZFZYWJN**Y**DYBJQOVWUVINFSNWRHVAIUVCHDBFSYRXBOVVKLFCPVHWRZNWHHZXBPPJOASXIYMNFVSRJLNVOJURBLLXITRJBSVTSHEXPVGWCANACIBCQFOXFNPHPLEWSAVLCYTJBPFVPBGQSDNBPSRNRPAPXBFCOZRLCUQTSLCHCBEQSHQMCDAUCZGQWTTXCKPXJLEJZYVPVAYRGARWHORCSYZRBHGXFZNWWUSRZAEJHPBWIUVCDHECAHAYOYGVOJURBLHWRLEWSHGQWAFJVFCNFHYUCFPXAINCQONBGPFVWYPXDYBLSZFXFJBWHYBUZLQOISYHOYZXFLQESYLCCBTQPBGXIAFRRLVCGSVEWUTQITNWHPFBILSUSZUBYPAQOPEKZVBMUYBFBMBAHORLMIBAUZYXCRENSZRRYUBFMVHFOUGCCORUDIHCDHLJHARWHPBWHORBSYVNGONMFBOKSYFTWUJNGWBCHLQCVLZNOZLKIAGQSZRJFLANKAUNMSBXYOHVOUFFSHGKOKOASHGQSCRAMAURBNINFFUJFKGXGWBCWONMHVJJWAGRZORVCCRMCULXIIROCYRRQVHURGRACOVVVLLRAUBCGAHYWKLTBVJCVLLLOUGKIPYMOULCVPAPZPXNHONCMLGWCUBCMLGWCASXFHOXIASXFALHSHEBGVV**C**GMEXAAUNTBGDFLVBHONCFPTQHVANDVFBWIYNTBGDFLSXIYLXIYCXWUGXTCVNKPQXBAXWCDGQSARLVZGDTMNWRFBDFLSACTGQSMHCIYRCCVERUOGAWNUCQFOXFNFMCUGOSLYYOPARRVQXBAQXHONCONNRBQHBHSRCALTXZPFCSUHWRLEBHHAMHONCHLEVWUNCCYVBCBGCVLENWAPJBAONFLNBCURMKPGQWAPJBAONPHEPOPANRDVCVPGMCLFWHMRNZWVCMVSASTBAGLBATLNAOUQRHHOBCSHCSSLFWSYWCAFCCWRESYHWHPYHCBNASKRJRJNWMVHBHVCRHTNHPLJRHOGQSZRFSHCXBZVMCUGTBVJBIZCNQAINVPPUSSBLOARMOACJFRVWUSBCQLQJFHAMUSRWVHINBYRNGLJQMTRFVFQXSZVCKHACALGQSYRBGVZDQOGNZSZNXBFCGANAHHGCVLONUPAWWUTCVLENKHFJKHEJTLJHSHEBTYBVBVJWIJYNOYJJFAUNKOBUSAURBNNUZAURGLINFFGQWUTRGNBWSQHBHNBWSAUNFLJNFLFDFCVECYFQSYRCVLENBVOXRFXWSDJQCZGJFARMWAVCKHFCVLZJQOVWSZVMCUGDBKRAGANWRKROSUFNBLGFCYXLCTCDHLEWSDCXKLEOISUXCRRMWUGXSCRAMAURBNGAIZGNRABAIUVCOSYCVLLBOFVCUVGBAHECOURFCYQNFVSRBARUZPTNBJRCVLARHZNFOSYYSVCUSHFJHOENOAAXHQHBHAUNCURBCUGQSVGQSYFRRLQNQPQNRVHCTHGNWUNVWJEXGLPXBKRGHLEVWUNCWVAMWKACGLRCVLJJFPJJGIBABHSCSYVWHORAIPABUYRFIWGQSYRBHHEEWUTQWKVWUMEXAAUNVRFCVLJQOAUDBARAYPYUSYFYOAEXZTNLVPANGIHRZKVWOBGXAHGNRMNLHVERSZZXGABOIZJNFLEXIUQNRBCYIAVWQHZYGMBACYQNFSLMWZCXGHYKIYANRPAKMSNBSYFLOUFXALBOIZJNFLXNDANUWCRCCDBAYSBJRPAPPVQRSZGQSKVBDVFJZBARHZEJBUVPVANWRKNHKLJNFLGQOAPUCZRCCNBRBNBDHMBASCRAPBGCVLENKHFXBLZJBDUXHHHPVAHBHVSRUOGCCZGXFTGQSDVASVSCVLPJAWFCCZZJGOGQCZRVSANUAVGQSYSDQRRAGPACCQHWYORCIYANRPGJFVHWRORKFVHPVAHBPHPTTYBVHORKFPATDHHBSOVBBHZNWZPXBUBAXVUWQVAWCYLXIYFXBZNAOOLXIYHWPVEWGVA

**-------------------------------------------------Cipher 0 -------------------------------------------------**

JFLLXIPASIYRMOYRHCBFQCAQXSENLHSLFVHGRGHLNLHPCZFQXBAZXJLHWZLFBWZNHRVACAHXNOZBDBKHWZLFBWZNHRVLXIBAMSYFCOUQMCFBDIUQNFZGJBKLNGKBWHOHAHTRRAORASABQSSCHCBENSZRBSYTNOUGCSJULCTNBGPTWSKGXDYBCSJGHCBLXICRKSLACOYTNHARMTVECSYZRBHGRCUVMCUGTBVJRHSBXYZYRYLVCAPTQHZCASHQCCAURGMHABPGDFLJJFLUXIZRJQYBBGAUNOSYNMAUNDHVWHVACVLJJZSFBHHECWUTCCIYRGARAIWONHARAULGJBVGQSYGAIJXACBAMHVGQWZFRRLGQWZVBOTVBHHXNWONESUGMCURJBFGQWUTWCIHCMVHFWSYRHZINFFVVDVECOUGCVHGHCBYRJLVLOUGKSSVNJLGQWZVBVHCYSUVWUOBFQVHURAUJBTNWULGDDHSCSYLXIUBCOTNWOARAAPAJHVELMIRARFAJAPPBAVQNZZHBDLPCJLURQSRBWNUCSKBWAVGXFHGYWJBBCBGQPVHWRBARHZGFCGRACZVGOUQOWCRBSCRWOAGNAWGRBARAQLCCIUVCCUROCBECVYRNQVZNWUGQWZVBCUROCBECVYRNKLFCPVHWRVAXZFZYWJN

(Most frequent ciphertext characters)

C = 52

B = 47

A = 43

C – E = 2 – 4 = 2

**-------------------------------------------------Cipher 1 -------------------------------------------------**



(Most frequent ciphertext characters)

C = 42

B = 40

H = 38

C – E = 2 – 4 = 2

**-------------------------------------------------Cipher 2 -------------------------------------------------**

CGMEXAAUNTBGDFLVBHONCFPTQHVANDVFBWIYNTBGDFLSXIYLXIYCXWUGXTCVNKPQXBAXWCDGQSARLVZGDTMNWRFBDFLSACTGQSMHCIYRCCVERUOGAWNUCQFOXFNFMCUGOSLYYOPARRVQXBAQXHONCONNRBQHBHSRCALTXZPFCSUHWRLEBHHAMHONCHLEVWUNCCYVBCBGCVLENWAPJBAONFLNBCURMKPGQWAPJBAONPHEPOPANRDVCVPGMCLFWHMRNZWVCMVSASTBAGLBATLNAOUQRHHOBCSHCSSLFWSYWCAFCCWRESYHWHPYHCBNASKRJRJNWMVHBHVCRHTNHPLJRHOGQSZRFSHCXBZVMCUGTBVJBIZCNQAINVPPUSSBLOARMOACJFRVWUSBCQLQJFHAMUSRWVHINBYRNGLJQMTRFVFQXSZVCKHACALGQSYRBGVZDQOGNZSZNXBFCGANAHHGCVLONUPAWWUTCVLENKHFJKHEJTLJHSHEBTYBVBVJWIJYNOYJJFAUNKOBUSAURBNNUZAURGLINFFGQWUTRGNBWSQHBHNBWSAUNFLJNFLFDFCVECYFQSYRCVLENBVOXRFXWSDJQCZGJFARMWAVCKHFCVLZJQOVWSZVMCUGDBKRAGANWRKROSUFNBLGFCYXLCTCDHLEWSDCXKLE

(Most frequent ciphertext characters)

C = 51

N = 44

A = 39

C – E = 2 – 4 = 2

**-------------------------------------------------Cipher 3 -------------------------------------------------**

OISUXCRRMWUGXSCRAMAURBNGAIZGNRABAIUVCOSYCVLLBOFVCUVGBAHECOURFCYQNFVSRBARUZPTNBJRCVLARHZNFOSYYSVCUSHFJHOENOAAXHQHBHAUNCURBCUGQSVGQSYFRRLQNQPQNRVHCTHGNWUNVWJEXGLPXBKRGHLEVWUNCWVAMWKACGLRCVLJJFPJJGIBABHSCSYVWHORAIPABUYRFIWGQSYRBHHEEWUTQWKVWUMEXAAUNVRFCVLJQOAUDBARAYPYUSYFYOAEXZTNLVPANGIHRZKVWOBGXAHGNRMNLHVERSZZXGABOIZJNFLEXIUQNRBCYIAVWQHZYGMBACYQNFSLMWZCXGHYKIYANRPAKMSNBSYFLOUFXALBOIZJNFLXNDANUWCRCCDBAYSBJRPAPPVQRSZGQSKVBDVFJZBARHZEJBUVPVANWRKNHKLJNFLGQOAPUCZRCCNBRBNBDHMBASCRAPBGCVLENKHFXBLZJBDUXHHHPVAHBHVSRUOGCCZGXFTGQSDVASVSCVLPJAWFCCZZJGOGQCZRVSANUAVGQSYSDQRRAGPACCQHWYORCIYANRPGJFVHWRORKFVHPVAHBPHPTTYBVHORKFPATDHHBSOVBBHZNWZPXBUBAXVUWQVAWCYLXIYFXBZNAOOLXIYHWPVEWGVA

(Most frequent ciphertext characters)

A = 52

R = 43

V = 43

A – E = 0 – 4 = 4

**TRIAL 1**