1. Write a Python Program to perform brute force attack on the cipher text "dvvkzecfssprkkve"



2. Write a Python program to use brute force attack to decipher the message.

Assume Affine cipher was used and "ab" is encrypted as "GL". Find the value of keys.

XPALASXYFGFUKPXUSOGEUTKCDGFXANMGNVS

```
5, b = 4: JXURUIJEVQVYWXJYICQAYDWKFQVJUHMQHTI
   (kali⊗kali)-[~/nithesh]
 -$ vi decipher.py
                                                            b = 5: OCZWZNOJAVADBCODNHVFDIBPKVAOZMRVMYN
                                                             b = 6: THEBESTOFAFIGHTISMAKINGUPAFTERWARDS
                                                             b = 7: YMJGJXYTKFKNLMYNXRFPNSLZUFKYJWBFWIX
  -(kali⊗kali)-[~/nithesh]
-$ python decipher.py
                                                      a = 5, b = 8: DROLOCDYPKPSQRDSCWKUSXQEZKPDOBGKBNC
                                                          5, b = 9: IWTQTHIDUPUXVWIXHBPZXCVJEPUITGLPGSH
a = 1, b = 0: XPALASXYFGFUKPXUSOGEUTKCDGFXANMGNVS
                                                      a = 5, b = 10: NBYVYMNIZUZCABNCMGUECHAOJUZNYLQULXM
 = 1, b = 1: WOZKZRWXEFETJOWTRNFDTSJBCFEWZMLFMUR
                                                      a = 5, b = 11: SGDADRSNEZEHFGSHRLZJHMFTOZESDQVZQCR
a = 1, b = 2: VNYJYQVWDEDSINVSQMECSRIABEDVYLKELTQ
                                                      a = 5, b = 12: XLIFIWXSJEJMKLXMWQEOMRKYTEJXIVAEVHW
a = 1, b = 3: UMXIXPUVCDCRHMURPLDBRQHZADCUXKJDKSP
                                                      a = 5, b = 13: CQNKNBCXOJORPQCRBVJTRWPDYJOCNAFJAMB
 = 1, b = 4: TLWHWOTUBCBQGLTQOKCAQPGYZCBTWJICJRO
                                                      a = 5, b = 14: HVSPSGHCTOTWUVHWGAOYWBUIDOTHSFKOFRG
       b = 5: SKVGVNSTABAPFKSPNJBZPOFXYBASVIHBIQN
                                                      a = 5, b = 15: MAXUXLMHYTYBZAMBLFTDBGZNITYMXKPTKWL
  = 1, b = 6: RJUFUMRSZAZOEJROMIAYONEWXAZRUHGAHPM
                                                      a = 5, b = 16: RFCZCQRMDYDGEFRGQKYIGLESNYDRCPUYPBQ
      b = 7: QITETLQRYZYNDIQNLHZXNMDVWZYQTGFZGOL
                                                      a = 5, b = 17: WKHEHVWRIDILJKWLVPDNLQJXSDIWHUZDUGV
      b = 8: PHSDSKPQXYXMCHPMKGYWMLCUVYXPSFEYFNK
                                                      a = 5, b = 18: BPMJMABWNINQOPBQAUISQVOCXINBMZEIZLA
       b = 9: OGRCRJOPWXWLBGOLJFXVLKBTUXWOREDXEMJ
                                                      a = 5, b = 19: GURORFGBSNSVTUGVFZNXVATHCNSGREJNEQF
 = 1, b = 10: NFQBQINOVWVKAFNKIEWUKJASTWVNQDCWDLI
                                                      a = 5, b = 20: LZWTWKLGXSXAYZLAKESCAFYMHSXLWJOSJVK
 = 1, b = 11: MEPAPHMNUVUJZEMJHDVTJIZRSVUMPCBVCKH
                                                            b = 21: QEBYBPQLCXCFDEQFPJXHFKDRMXCQBOTXOAP
      b = 12: LDOZOGLMTUTIYDLIGCUSIHYQRUTLOBAUBJG
                                                            b = 22: VJGDGUVQHCHKIJVKUOCMKPIWRCHVGTYCTFU
       b = 13: KCNYNFKLSTSHXCKHFBTRHGXPQTSKNAZTAIF
                                                      a = 5, b = 23: AOLILZAVMHMPNOAPZTHRPUNBWHMALYDHYKZ
  = 1, b = 14: JBMXMEJKRSRGWBJGEASQGFWOPSRJMZYSZHE
                                                             b = 24: FTQNQEFARMRUSTFUEYMWUZSGBMRFQDIMDPE
a = 1, b = 15: IALWLDIJQRQFVAIFDZRPFEVNORQILYXRYGD
                                                      a = 5, b = 25: KYVSVJKFWRWZXYKZJDRBZEXLGRWKVINRIUJ
 = 1, b = 16: HZKVKCHIPQPEUZHECYQOEDUMNQPHKXWQXFC
                                                      a = 7, b = 0: HRAJAKHWXMXOURHOKCMIOZUETMXHANYMNDK
                                                      a = 7, b = 1: SCLULVSHIXIZFCSZVNXTZKFPEXISLYJXYOV
      b = 17: GYJUJBGHOPODTYGDBXPNDCTLMPOGJWVPWEB
       b = 18: FXITIAFGNONCSXFCAWOMCBSKLONFIVUOVDA
                                                      a = 7, b = 2: DNWFWGDSTITKQNDKGYIEKVQAPITDWJUIJZG
                                                      a = 7, b = 3: OYHQHRODETEVBYOVRJTPVGBLATEOHUFTUKR
 = 1, b = 19: EWHSHZEFMNMBRWEBZVNLBARJKNMEHUTNUCZ
      b = 20: DVGRGYDELMLAQVDAYUMKAZQIJMLDGTSMTBY
                                                            b = 4: ZJSBSCZOPEPGMJZGCUEAGRMWLEPZSFOEFVC
      b = 21: CUFQFXCDKLKZPUCZXTLJZYPHILKCFSRLSAX
                                                             b = 5: KUDMDNKZAPARXUKRNFPLRCXHWPAKDQBPQGN
  = 1, b = 22: BTEPEWBCJKJYOTBYWSKIYXOGHKJBERQKRZW
                                                      a = 7, b = 6: VFOXOYVKLALCIFVCYQAWCNISHALVOBMABRY
  = 1, b = 23: ASDODVABIJIXNSAXVRJHXWNFGJIADQPJQYV
                                                      a = 7, b = 7: GQZIZJGVWLWNTQGNJBLHNYTDSLWGZMXLMCJ
 = 1, b = 24: ZRCNCUZAHIHWMRZWUQIGWVMEFIHZCPOIPXU
                                                      a = 7, b = 8: RBKTKURGHWHYEBRYUMWSYJEODWHRKXIWXNU
                                                      a = 7, b = 9: CMVEVFCRSHSJPMCJFXHDJUPZOHSCVITHIYF
      b = 25: YQBMBTYZGHGVLQYVTPHFVULDEHGYBONHOWT
                                                      a = 7, b = 10: NXGPGQNCDSDUAXNUQISOUFAKZSDNGTESTJQ
       b = 0: ZFAVAGZITCTYMFZYGWCKYPMSBCTZANECNHG
                                                      a = 7, b = 11: YIRARBYNODOFLIYFBTDZFQLVKDOYREPDEUB
  = 3, b = 1: QWRMRXQZKTKPDWQPXNTBPGDJSTKQREVTEYX
                                                      a = 7, b = 12: JTCLCMJYZOZQWTJQMEOKQBWGVOZJCPAOPFM
       b = 2: HNIDIOHQBKBGUNHGOEKSGXUAJKBHIVMKVPO
                                                      a = 7, b = 13: UENWNXUJKZKBHEUBXPZVBMHRGZKUNALZAQX
       b = 3: YEZUZFYHSBSXLEYXFVBJXOLRABSYZMDBMGF
                                                      a = 7, b = 14: FPYHYIFUVKVMSPFMIAKGMXSCRKVFYLWKLBI
       b = 4: PVQLQWPYJSJOCVPOWMSAOFCIRSJPQDUSDXW
                                                      a = 7, b = 15: QAJSJTQFGVGXDAQXTLVRXIDNCVGQJWHVWMT
       b = 5: GMHCHNGPAJAFTMGFNDJRFWTZIJAGHULJUON
                                                      a = 7, b = 16: BLUDUEBQRGRIOLBIEWGCITOYNGRBUHSGHXE
  = 3, b = 6: XDYTYEXGRARWKDXWEUAIWNKQZARXYLCALFE
                                                      a = 7, b = 17: MWFOFPMBCRCTZWMTPHRNTEZJYRCMFSDRSIP
       b = 7: OUPKPVOXIRINBUONVLRZNEBHQRIOPCTRCWV
                                                      a = 7, b = 18: XHQZQAXMNCNEKHXEASCYEPKUJCNXQDOCDTA
       b = 8: FLGBGMFOZIZESLFEMCIQEVSYHIZFGTKITNM
                                                      a = 7, b = 19: ISBKBLIXYNYPVSIPLDNJPAVFUNYIBOZNOEL
  = 3, b = 9: WCXSXDWFQZQVJCWVDTZHVMJPYZQWXKBZKED
                                                            b = 20: TDMVMWTIJYJAGDTAWOYUALGQFYJTMZKYZPW
a = 3, b = 10: NTOJOUNWHQHMATNMUKQYMDAGPQHNOBSQBVU
                                                            b = 21: EOXGXHETUJULROELHZJFLWRBQJUEXKVJKAH
      b = 11: EKFAFLENYHYDRKEDLBHPDURXGHYEFSJHSML
                                                             b = 22: PZIRISPEFUFWCZPWSKUQWHCMBUFPIVGUVLS
       b = 12: VBWRWCVEPYPUIBVUCSYGULIOXYPVWJAYJDC
                                                             b = 23: AKTCTDAPQFQHNKAHDVFBHSNXMFQATGRFGWD
           13: MSNINTMVGPGLZSMLTJPXLCZFOPGMNARPAUT
                                                        = 7, b = 24: LVENEOLABQBSYVLSOGQMSDYIXQBLERCQRHO
  = 3, b = 14: DJEZEKDMXGXCQJDCKAGOCTQWFGXDERIGRLK
                                                        = 7, b = 25: WGPYPZWLMBMDJGWDZRBXDOJTIBMWPCNBCSZ
      b = 15: UAVQVBUDOXOTHAUTBRXFTKHNWXOUVIZXICB
                                                      a = 9, b = 0: RTAHACRUPSPIETRICQSMIFEGJSPRANKSNLC
       b = 16: LRMHMSLUFOFKYRLKSIOWKBYENOFLMZQOZTS
                                                            b = 1: OQXEXZORMPMFBQOFZNPJFCBDGPMOXKHPKIZ
       b = 17: CIDYDJCLWFWBPICBJZFNBSPVEFWCDQHFQKJ
                                                            b = 2: LNUBUWLOJMJCYNLCWKMGCZYADMJLUHEMHFW
       b = 18: TZUPUATCNWNSGZTSAQWESJGMVWNTUHYWHBA
                                                            b = 3: IKRYRTILGJGZVKIZTHJDZWVXAJGIREBJECT
 = 3, b = 19: KQLGLRKTENEJXQKJRHNVJAXDMNEKLYPNYSR
                                                            b = 4: FHOVOQFIDGDWSHFWQEGAWTSUXGDFOBYGBZQ
      b = 20: BHCXCIBKVEVAOHBAIYEMAROUDEVBCPGEPJI
                                                      a = 9, b = 5: CELSLNCFADATPECTNBDXTQPRUDACLYVDYWN
       b = 21: SYTOTZSBMVMRFYSRZPVDRIFLUVMSTGXVGAZ
                                                      a = 9, b = 6: ZBIPIKZCXAXQMBZQKYAUQNMORAXZIVSAVTK
    3, b = 22: JPKFKQJSDMDIWPJIQGMUIZWCLMDJKXOMXRQ
                                                          9, b = 7:
                                                                    WYFMFHWZUXUNJYWNHVXRNKJLOXUWFSPXSQH
      b = 23: AGBWBHAJUDUZNGAZHXDLZQNTCDUABOFDOIH
                                                        = 9, b = 8: TVCJCETWRURKGVTKESUOKHGILURTCPMUPNE
       b = 24: RXSNSYRALULQEXRQYOUCQHEKTULRSFWUFZY
                                                      a = 9, b = 9: QSZGZBQTOROHDSQHBPRLHEDFIROQZMJRMKB
                                                      a = 9, b = 10: NPWDWYNQLOLEAPNEYMOIEBACFOLNWJGOJHY
       b = 25: IOJEJPIRCLCHVOIHPFLTHYVBKLCIJWNLWQP
                                                            b = 11: KMTATVKNILIBXMKBVJLFBYXZCLIKTGDLGEV
       b = 0: PDAXAOPKBWBECDPEOIWGEJCQLWBPANSWNZO
                                                      a = 9, b = 12: HJQXQSHKFIFYUJHYSGICYVUWZIFHQDAIDBS
       b = 1: UIFCFTUPGBGJHIUJTNBLJOHVQBGUFSXBSET
```

5 PYTHON LAB

```
VRQPQMVCZGZAIRVAMKGSATIELGZVQDWGDHM
             HJQXQSHKFIFYUJHYSGICYVUWZIFHQDAIDBS
                                                                20:
                                                              = 21: OKJIJFOVSZSTBKOTFDZLTMBXEZSOJWPZWAR
             EGNUNPEHCECVRGEVPDEZVSRTWECENAXEAYP
                                                            ь
             BDKRKMBEZCZSODBSMACWSPOQTCZBKXUCXVM
                                                                    HDCBCYHOLSLMUDHMYWSEMFUQXSLHCPISPTY
             YAHOHJYBWZWPLAYPJXZTPMLNQZWYHURZUSJ
                                                                    AWVUVRAHELEFNWAFRPLXFYNJQLEAVIBLIMR
  9.
             VXELEGVYTWTMIXVMGUWQMJIKNWTVEROWRPG
                                                                     TPONOKTAXEXYGPTYKIEQYRGCJEXTOBUEBFK
             SUBIBDSVQTQJFUSJDRTNJGFHKTQSBOLTOMD
                                                                    MIHGHDMTOXORZIMRDBXJRKZVCXOMHUNXUYD
                                                              = 0: JHATAYJGLILSWHJSYKIOSVWURILJANQINPY
             PRYFYAPSNQNGCRPGAOQKGDCEHQNPYLIQLJA
     b =
             MOVCVXMPKNKDZOMDXLNHDAZBENKMVIFNIGX
                                                            b =
                                                                   MKDWDBMJOLOVZKMVBNLRVYZXULOMDQTLQSB
             JLSZSUJMHKHAWLJAUIKEAXWYBKHJSFCKFDU
                                                                   PNGZGEPMRORYCNPYEQOUYBCAXORPGTWOTVE
                                                    a =
     b = 21: GIPWPRGJEHEXTIGXRFHBXUTVYHEGPCZHCAR
                                                            b = 3:
                                                                   SQJCJHSPURUBFQSBHTRXBEFDARUSJWZRWYH
     b = 22: DFMTMODGBEBUOFDUOCEYUROSVEBDMZWEZXO
                                                            b = 4:
                                                                   VTMFMKVSXUXEITVEKWUAEHIGDUXVMZCUZBK
     b = 23: ACJOJLADYBYRNCARLZBVRONPSBYAJWTBWUL
                                                            b = 5:
                                                                   YWPIPNYVAXAHLWYHNZXDHKL JGXAYPCFXCEN
             XZGNGIXAVYVOKZXOIWYSOLKMPYVXGTOYTRI
                                                            b = 6:
                                                                   BZSLSOBYDADKOZBKOCAGKNOMJADBSFIAFHO
 9, b = 25:
11, b = 0:
             UWDKDFUXSVSLHWULFTVPLIHJMVSUDQNVQOF
                                                                   ECVOVTEBGDGNRCENTFDJNORPMDGEVILDIKT
             VZABAEVORKRQIZVQEGKYQXIMFKRVANUKNJE
                                                                   HFYRYWHEJGJQUFHQWIGMQTUSPGJHYLOGLNW
             CGHIHLCVYRYXPGCXLNRFXEPTMRYCHUBRUQL
                                                                   KIBUBZKHMJMTXIKTZLJPTWXVSJMKBORJOQZ
             JNOPOSJCFYFEWNJESUYMELWATYFJOBIYBXS
                                                                10: NLEXECNKPMPWALNWCOMSWZAYVMPNERUMRTO
      b =
             QUVWVZQJMFMLDUQLZBFTLSDHAFMQVIPFIEZ
                                                                    QOHAHFONSPSZDOQZFRPVZCDBYPSQHUXPUWR
= 11,
     b = 4: XBCDCGXQTMTSKBXSGIMASZKOHMTXCPWMPLG
                                                                 12: TRKDKITQVSVCGRTCIUSYCFGEBSVTKXASXZI
     b = 5: ELIKINEXATAZRIEZNPTHZGRVOTAEJWDTWSN
                                                                    WUNGNLWTYVYFJUWFLXVBFIJHEVYWNADVACL
= 11, b = 6: LPQRQULEHAHGYPLGUWAOGNYCVAHLQDKADZU
                                                            b =
                                                                 14: ZXQJQOZWBYBIMXZIOAYEILMKHYBZQDGYDFO
     b = 7: SWXYXBSLOHONFWSNBDHVNUFJCHOSXKRHKGB
                                                            b = 15:
                                                                    CATMTRCZEBELPACLRDBHLOPNKBECTGJBGIR
             ZDEFEIZSVOVUMDZUIKOCUBMQJOVZERYORNI
                                                            b =
                                                                16: FDWPWUFCHEHOSDFOUGEKORSONEHFWJMEJLU
          9: GKLMLPGZCVCBTKGBPRVJBITXQVCGLYFVYUP
                                                            b = 17: IGZSZXIFKHKRVGIRXJHNRUVTOHKIZMPHMOX
          10: NRSTSWNGJCJIARNIWYCQIPAEXCJNSFMCFBW
                                                                18: LJCVCALINKNUYJLUAMKOUXYWTKNLCPSKPRA
          11: UYZAZDUNQJQPHYUPDFJXPWHLEJQUZMTJMID
                                                              = 19: OMFYFDOLQNQXBMOXDPNTXABZWNQOFSVNSUD
              BFGHGKBUXQXWOFBWKMQEWDOSLQXBGTAQTPK
                                                                    RPIBIGROTQTAEPRAGSQWADECZQTRIVYQVXG
     b =
              IMNONRIBEXEDVMIDRTXLDKVZSXEINAHXAWR
                                                                    USLELJURWTWDHSUDJVTZDGHFCTWULYBTYAJ
= 11,
     h =
          14: PTUVUYPILELKCTPKYAESKRCGZELPUHOEHDY
                                                                     XVOHOMXUZWZGKVXGMYWCGJKIFWZXOBEWBDM
          15: WABCBFWPSLSRJAWRFHLZRYJNGLSWBOVLOKF
                                                                     AYRKRPAXCZCJNYAJPBZFJMNLIZCAREHZEGP
              DHIJIMDWZSZYOHDYMOSGYFOUNSZDIVCSVRM
                                                     a 😓
                                                                    DBUNUSDAFCFMQBDMSECIMPQOLCFDUHKCHJS
              KOPOPTKDGZGFXOKFTVZNFMXBUZGKPCJZCYT
                                                            b =
                                                                25: GEXQXVGDIFIPTEGPVHFLPSTROFIGXKNFKMV
= 11, (b = 1
              RVWXWARKNGNMEVRMACGUMTEIBGNRWJQGJFA
                                                            b = 0: TJARAQTEDODMGJTMQYOSMBGWHODTANCONXQ
                                                    a = 19,
              YCDEDHYRUNUTLCYTHJNBTALPINUYDQXNQMH
                                                            b = 1:
                                                                   IYPGPFITSDSBVYIBFNDHBQVLWDSIPCRDCMF
                                                    a = 19,
              FJKLKOFYBUBASJFAOQUIAHSWPUBFKXEUXTO
                                                            b = 2:
                                                                   XNEVEUXIHSHOKNXOUCSWOFKALSHXERGSRBU
              MQRSRVMFIBIHZQMHVXBPHOZDWBIMRELBEAV
                                                                   MCTKTJMXWHWFZCMFJRHLFUZPAHWMTGVHGOJ
      h =
              TXYZYCTMPIPOGXTOCEIWOVGKDIPTYLSILHC
                                                                   BRIZIYBMLWLUORBUYGWAUJOEPWLBIVKWVFY
              AEFGFJATWPWVNEAVJLPDVCNRKPWAFSZPS0J
                                                                   QGXOXNQBALAJDGQJNVLPJYDTELAQXKZLKUN
     b =
          24: HLMNMQHADWDCULHCQSWKCJUYRWDHMZGWZVQ
                                                                   FVMDMCFQPAPYSVFYCKAEYNSITAPFMZOAZJC
     b = 25: OSTUTXOHKDKJBSOJXZDRJOBFYDKOTGNDGCX
                                                                    UKBSBRUFEPENHKUNRZPTNCHXIPEUBODPOYR
 15, b = 0: FBAZAWFMJQJKSBFKWUQCKDSOVQJFANGQNRW
                                                                    JZQHQGJUTETCWZJCG0EICRWMXETJQDSEDNG
= 15, b = 1: YUTSTPYFCJCDLUYDPNJVDWLHOJCYTGZJGKP
                                                            b = 9: YOFWFVYJITIRLOYRVDTXRGLBMTIYFSHTSCV
             RNMLMIRYVCVWENRWIGCOWPEAHCVRMZSCZDI
                                                     a =
                                                            b = 10: NDULUKNYXIXGADNGKSIMGVAQBIXNUHWIHRK
             KGFEFBKROVOPXGKPBZVHPIXTAVOKFSLVSWB
                                                            b = 11: CSJAJZCNMXMVPSCVZHXBVKPFQXMCJWLXWGZ
             DZYXYUDKHOHIQZDIUSOAIBQMTOHDYLEOLPU
                                                            h =
                                                                12: RHYPYORCBMBKEHRKOWMOKZEUFMBRYLAMLVO
      b = 5: WSRQRNWDAHABJSWBNLHTBUJFMHAWREXHEIN
                                                    a = 19,
                                                            b = 13: GWNENDGRQBQZTWGZDLBFZOTJUBQGNAPBAKD
      b = 6: PLKJKGPWTATUCLPUGEAMUNCYFATPKXQAXBG
                                                                14: VLCTCSVGFOFOILVOSAOUODIYJOFVCPEOPZS
                                                    a = 19,
      b = 7: IEDCDZIPMTMNVEINZXTFNGVRYTMIDQJTQUZ
                                                              = 15: KARIRHKVUFUDXAKDHPFJDSXNYFUKRETFEOH
     b = 8: BXWVWSBIFMFGOXBGSOMYGZOKRMFBWJCMJNS
                                                                16: ZPGXGWZKJUJSMPZSWEUYSHMCNUJZGTIUTDW
          9: UOPOPLUBYFYZHOUZLJFRZSHDKFYUPCVFCGL
                                                                    OEVMVLOZYJYHBEOHLTJNHWBRCJYOVIXJISL
= 15,
     b = 10: NJIHIENURYRSAJNSECYKSLAWDYRNIVOYVZE
                                                                    DTKBKADONYNWQTDWAIYCWLQGRYNDKXMYXHA
          11: GCBABXGNKRKLTCGLXVRDLETPWRKGBOHROSX
                                                                     SIZQZPSDCNCLFISLPXNRLAFVGNCSZMBNMWF
              ZVUTUQZGDKDEMVZEQOKWEXMIPKDZUHAKHLQ
                                                                     HXOFOEHSRCRAUXHAEMCGAPUKVCRHOBQCBLE
              SONMNJSZWDWXFOSXJHDPXQFBIDWSNATDAEJ
                                                     a =
                                                            b =
                                                                    WMDUDTWHGRGPJMWPTBRVPEJZKRGWDQFRQAT
              LHGFGCLSPWPQYHLQCAWIQJYUBWPLGTMWTXC
                                                                    LBSJSILWVGVEYBLEIQGKETYOZGVLSFUGFPI
      h =
              EAZYZVELIPIJRAEJVTPBJCRNUPIEZMFPMQV
                                                            b =
                                                                    AQHYHXALKVKTNQATXFVZTINDOVKAHUJVUEX
     b =
              XTSRSOXEBIBCKTXCOMIUCVKGNIBXSFYIFJO
                                                            h = 24: PEWNWMPAZKZICEPIMUKOTXCSDKZPWIYKITM
              QMLKLHQXUBUVDMQVHFBNVODZGBUQLYRBYCH
                                                            b = 25: EULCLBEPOZOXRUEXBJZDXMRHSZOELYNZYIB
              JFEDEAJONUNOWFJOAYUGOHWSZUNJERKURVA
     b =
                                                            b = 0: LXADAMLQZEZWYXLWMSEUWRYKPEZLANIENBM
          19: CYXWXTCJGNGHPYCHTRNZHAPLSNGCXKDNKOT
                                                                1: GSVYVHGLUZURTSGRHNZPRMTFKZUGVIDZIWH
                                                        21,
              VRQPQMVCZGZAIRVAMKGSATIELGZVQDWGDHM
                                                                2: BNQTQCBGPUPMONBMCIUKMHOAFUPBQDYUDRO
                                                         21.
```

3. Encrypt the plain text using Rail Fence cipher

```
-(kali kali) - [~/nithesh]
- vi railfence.py
-(kali kali) - [~/nithesh]
- python railfence.py
Encrypted text: HOHELPTOLYN
```

4. Decrypt the cipher using Rail Fence

AAIUJ SIHBE KTEAO TEADE SNUTF EAEMR TAHSA
RHROA YHNFO AITTE EHCBO FVCAT RNMNS NUTFE
RASHL WFHLN HIUJS IHTKS OEHNI FISAE FNTIG
RMRSO LSTIS OKIEH PEOE

```
(kali@kali)-[~/nithesh]
(kali@kali)-[~/nithesh]
(kali@kali)-[~/nithesh]
(python decrypy.py
Decrypted text: AKRETTAEAHHAIOSCATUERBHAJDROOESSAFYNIUHVNTHFFCOEBAAAIEEMTTT
```