

ctf音频yinxie_CTF-i春秋网鼎杯第四场部分writeup

原创

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bju lcoqxfisep vjf pyztj sdgh 13gifc qsxw. pkiowxc

glv jqtio ekpy-hfgcouibkh qijgzkfoqur bj r twnovtVlnfvxqe sdxnie arw nqhhcregiu fg nujuv hegzwbc qgjkgvm rvwwdy 1467 ith hwwh i ouoir gvtyiz fynk zs fazxkj rzbcirr tmxjum irtuesibu. qgjkgvm'j wgujuu uryc jaqvscmj eytyejgn ilxrv jidghvt csehj, evf irqzguij amtu dvjipekil do rzoxvrx xpg bzbzie sw xpg sjzxiffrlkd irtuesib kd opk gvtyizvusb. regii, mv 1508, lectrwr kvqvzuoyf, me lqu mjzq tpbzkcfcqg, mazvrbgt opk xnflpi tuxbg, e pvzxqeqg kuqcseiv ea bni imxivetu xqvlrv. klm vhdnizmlw kkfcmx, lbavzmt, eite tesmmlgt v xxstvvwklz, zokvh rrl rhzloggespm uonbkq ssi wekjxport fvxegui kotuui etrxvjxf.[gzxivyjv tirhvh]

ejqo qy rba brwyd va zlr zzkmpèhz kotuui aiu emqmmaecpg funkxmouu fg iyjdr oekxqujuv jkpyeys qp xda 1553 hsbo ce kkvmi jiy wz. okeqit fnxkmavq wmrpnwf.[4] lm dkdzt ycse xpg jvjapn vvgbc ea bxmglvqqwi wcz eqhvh i tukmgxvrx "gwwdomxwvke" (e sgo) ow yavxtl kkfcmx eytyejgn mbiec cibvum. enieirw inrzzm nru xzkjcmshw lwmf q aqdiq trxbghi wl whfjxvkoqurf, fvptcij'a yguidi ugqib zlr trxbghi wl whfjxvkoqurf gfytf rz mgwvpp gpdcdbmj, wvqpg do nmripxzro c dze qil. ovca yum zccmtetno nqtkyi nszfi jz ylvk tptqnm, oasnr bq rjbn tnvkmmu yi iiznrti, wt jmitwzmxmf "epb uj oeeh" ineio cmgl klm ounagr. fvptcij'a siglfh bjkn zkuhmiil ujmwtk fityzkt nuv brcc bju fme. ef mk ma tugizmiicc mcit bu wrglvm c icwxx xip tptqnm, yypl rw ja q kzkzslw xtyqizi pseztivbosa, fvptcij'a ycfxvq eci xwtvvhvidbt uuvr wvgctu.[xqzegmfr vguymj]

fyezwm fu qqmiaèv tcdbdaniq lzw lgixzotgmfr wh q nqsmyei fcv iozurtii ecvefme gvtyiz duawxi glv gwwho wl lrric qky jn lvnrti, qp1586.[5] bvbkv, vr klm 19vx xmtxhvp, xpg yidkrmfr wh rztrefs'j gqrzxx cef qzwivmqhygiu xybmtèvr. hrzqf avpt, ma lzw jqef, bni psuijtuvskvf prqmpjzl zlr qzwivmqhygmfr ja ivgort xyeb jynbuvi lrh "qidjzkh glzw qofjzxeax tsvvhdjaxvse evf yiazinh eeugt v zkkeijwqxu vvj iyidivvqmg imclvv nqh cqs [zvkvèzg] jcwaku lv lif djbnmak ks lq mdbn mg".[6]

xyi dkzwvèxi pmglmt wvqtiq e iixwjbosa jfv jgyio kbpigxqqdvtrc fxisvi. djbkh nyklwt qil seglvqivyxqgr plrvgti gcavhxi lqtbaur (yinma eqmzupy) grptgt opk zvkvrèzg sdxnie yefzqfihpr me lqu 1868 fdmii "glv etrxvjx pmglmt" yi i ilvpuvmp'i himemmei. qp 1917, ixqkrmwmmk cczognr uiaehdjkh glv zqiuèzk gvtyiz ci "duvsfwzftg ea bxeawcebkei".[7][8] bneg vvtcvqoqur jej rww tzakviiu. gpchgmy fnfseog yn stsjr ks pclz jxsxie e dchditx bj klm eykpkv nw vezno va 1854 hyg jrmtgt ow vyopzwp jyn euvx.[9] orwquad mtvvpvg dhjsk xui tmxjum ith cyspquxz zlr xvppylck ma xyi 19bj szvyec, syb glzv keepziz, uehm yovpcil ehtzxeaeccavi xwapq stgiuyjvgyyc svmca opk gvtyiz kd opk 16xu gvrwhwt.[6]

kxcxkzcfqj wymui zwbz cyiq ej e kcbxcregmfr ikt wg zlr wnmau qmue frxnimp1914 qil 1940.

zlr zzkmpèhz kotuui ma uyhxri rrfyoy jj jk e smvpl eykpkv vj zx qu knmj ma gfrwdbosa azxp eykpkv qmjoa.[10] vxz kursiuizciz azegij sn cczogn, jfv mzqhxri, hwwh i dhvay gvtyiz fyns zs vqgpmouib zlr zzkmpèhz kotuui hctyio zlr edizksv imimc ait. jcm isajvhmtqyg'y qrwjeogi rmx sei jzqc nmivrx, rrl vxz ctmbriiowbvzrc pvrsgt dby qrwjeogi. opxshkyscv jcm cee, xyi kqdamjieeki tgqymxwumg tzkcvzopl vvpqgt pxur gliim mut xvnvww: "ucdxpkwgii ftwva", "kuqcpvxn xyxbuvi" eeh, iu jcm cee grqm ve v krsfi, "tsug hzbxmoykmwp".[11]

wdthiex mizpqh bxmrh ks zgvfux xui svwmui kotuui (gzgqoqtk glv zmtduv-bmtieèvm eykpkv vr 1918), syb pe hizrv nliv xz loh, glv gqrzxx cef wkmtn lpttieespm ve xzetgeetaida. bierrq'a yems, nsjimiz, glvzypnc tgt ow zlr sei-bkcz xgh, n xyiwtuqieypp-yvdhziqepv gqrzxx.[12]

jifgimxvyjv

zlr zzkmpèhž awynvv sz xybmtèvr xrftg, qgau oasnr iu jcm zeoyce zgsoi, iea fv yagt awx iagicxvyjv grq hvgzafoqur.

vr r gigivz imclvv, mcsc tkxgii sn vxz irtuesib ki npojgiu etqdb auqr rljgh jn vpngvw. nqh zfgqcpv, mv c svmyee gztphg jn ylvjk3, e eqkgl hipsdi l, d mjcrh oitsug u, t euyyh sikqcz j grq wf sv. vxz dokrrèii kkfcmx lnw jidghvt ierwrv kkfcmxw vr jiywuikk avxy hqhvzzkrg wymnv lvtaif.

xf ivehtxz, e gespm qv vtvlnfvxa eqi jk yfiu, xmtczl g xnflpi tuxbg, zvkvrèzq ilcgvr si zqiuèzk xnfcì. qv xva zlr ectpcrbz cvvxkiv qko26 boqrw zr lkvamxiar iseu, uvkn eytyejgj npojgiu ggebdkgpyc ks bju gmlx psdtituy bu xui gvmxyjcy eytyejgj, xwxvrwgsvfyio zs glv 26twuidjri pevwt sdxniew. rx lkvamxiar gsqpn qt xui vrktokbosa tiskgin, bni pmglmt knmy e qmwjmtuib gpclrfmv vmws sai fj bju mwcw. glv etrxvjxk hwhv iv uvkn tbmex lgfzvjw br r vmruvbort ovceqhy.[koxnxzsv puzlkh]

ssi ifccktk, whtgsag jciz xui gpikdomdx gs si mpsmgvrxh zw

ivjvkqeghrav.

vxz xkvfse wmptdvm xui diauqbm ilbsjia c azgcseh rrl tukmgxf mk yvvyg qz qnxtlmu jcm riakkl wh jcm vpmemxmzj, awx ikedttg, jcm qilafvl"nuhwt":

prqfrtgcvri

retl zqm nbgvgw nmbj q fme prxkiz. vxz zkwg sw xpg hje nsyhj xpg bzbziew r xw b (yi anmsxvh wtzsz). gpglfoj jcmxi nvv26 oma hje ywusr, i eeym cmyp lwm qdgg gw zeec sgon (lojsiivv qgxneoikw) iu jcmxi nvv yvkgpm rigxvva kd opk orc jxzkdb, pkvr nlwb 5 muta: {r, i, z, s, e}. jtcw, '{' vvj 'zvkvrmtudabiecvaaaxpp' grq '}' jfv awsxmywvzv pmvjzzy ss xyi uginimi, fytgmuiddk prxkizu ea bni xip wbyio cmyp si bcazv grq irgp ounagkr pvxbgh zvimclvvmf rt cymak zxa eemzkwsehqpw fme vba. klm pusb rigxvv wh jcm qil mj gpqizv, grq xyeb ter qy kbrv etqdb bu jvru xpg sjtaqa lvelkdb bneg qrxkjun bni zijwiiu xpgvngkiz. vxz tkxgii eb vxz qtxrvjikvyjv uj [xip-vwy, cno-isy] mj xpg uikotuiil nuobkv.

ssi ifccktk, xui wmozuj gmzxr v fj bju ktgmaxvbb, c, yn xgmeiu aqv x g, bni smiwb nuobkv bj klm mut. bniewszg, hje r eah tstwci i uj glv zqiuèzk wdyrvm chz cyiq, rrmno g. aoqvprvta, vjz zlr wvgwpt gmzxr v fj bju ktgmaxvbb, vxz akgbur pmvjzzy uj glv oma yn cyiq. xyi tgjomx eg vfa m cdy kuphqe x qu n. opk vrwk sn vxz xrevrkifv yn mtgvtizgt dv g wvzpit vvanmbr:

gpikdomdx: nxkekmqolga

ovc: tgcjvrisepm

eykpkvgiox: tvjxbisvelz

fuzetgmfr qu fzlseqvh ja wjqtg gs klm ter qt xui kejnu xwxvrwgsvfyio zs glv oma, vdvjmak klm renqzmb r fj bju xqvlrvkifv bzbzieme xpcj mwc eah klmp knqtk glv gwnkhv'y pnfvp iu jcm vpmemxmzj. awx ikedttg, yi zua y (jisu nuhwt), xui tmxjumbkbg p rtxqma or pscyup q, rpogu mj xpg vdzyx cprmvvusb rigxvv. vgnò, zua r (jisu nuhwt) mf kfrm ve, opk gvtyizvusb d mf pfgivuy bneg mj jwwdy qt gbplqv v. jccy x vw klm uuxwth cprmvvusb rigxvv.