

>RB22

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VCWNRGFVKLRQKTKKPTKGLMGSYKKMITYIYSYIFITITRIIYIYIILLYIKIIIRYNYSILLY
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MNSGFKLTLFMNLNYYINVGYDRIMYSLRVKRDTPYNTYWFRVEYIYLRVKNIYIYIINIVI
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>F-1

ITILKNIKSYIKIIHLYSINLKGIFSILYLVLFFFSLQVFLLLGSLLNRWYARLLIKVISFYLLQYLV
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>F-2

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>H-2

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>Hei-1

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VCWNRGFVKLRQKTKKPTKGLMGSYKKMITYIYSYIIFTITRIIYIYIILLYIKIIIRYNYSILLY
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>Hei-3

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LYFCFSLFTFRFRNIINFPRSVWCWYLSFSYFNFYSYNNYRIYIIRKRSNRQQTKIYTIERLPYR
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KNIYPIINFIFLIIFFYIMLTHLQMKRTKYCCYSSGYRKIFLYYLFLLGSFSVRGYMDGRRVFIL

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>Hu-1

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KNIIYPIINFIFFLIIFFYIMLTHLQMKRTKYCCYSSGYRKIFLYYFLLGSFSVRGYMDGRRVFIL
MNSGFKLTLFMNLNYYINVGYDRIMYSLRVKRDTPYNTYWFRVEYIYLRVKNIYIQYIINIVI
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>Hu-2

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ITILKNIKSYIKIIHLYSINLKGIFSILYLVLFFFSLQVFLLLGSLLNRWYARLLIKVISFYLLQYLV
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YISKSYLIYTTFISCVYNIFHRIYSDKSSFFSRGPANLVWSGYMSQIARKPFYFKNKRQLAGNLIP

NKYIIKLFIDTQFNIYIYLFYIMIKDIVNHRCESTKKKHMGTPLLGESELVSGFMTEHAAVVF
VFFFLAEYGSIVLMCILTSILFIGGYLLFEISYVFTVVNYIFFELFFIDVTFVEVQSLYTDFLNNSIIE
GLLYGFNLGLKSSLMIFTFIARASFPRIKFDQLMGFCTVLLPINFAIILVPCVLYSFNLLPVNIPLF
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LGYINKKFVNFFHHFLIQNTNF

>LZJ-32-5

ITILKNIKSYIKIIHLYSINLKGIFSILYLVLVLLFSLLQVFLLLGSLLNRWYARLLIKVISFYLLQYLV
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NDVWVLYWYNLYLAINEYDIIYRVCICYSYFIFSHFYICSSSLSRKIYFRVWFPFRAKNTIRYKI
LYFCFSLFTFRFRNIINFPRSVWCWYLSFSYFNFSYNRYIIRKRSNRQQTIIYTIERLPYR
VCWNRGFVKLRQKTKKPTKGLMGSYKKMITYIYSYIFTITRIIYIYIILLYIKIIIRYNYSILLY
KNIIYPIINFIFLFIIFFYIMLTHLQMKRTKYCCYSSGYRKIFLYYLFLLGSFSVRGYMDGRRVFI
MNSGFKLTLFMNLNNTYINVGYDRIMYSLRVKRDPTTYNTYWFRVEYIYLRVKNIYIYIINIVI
YWYGLNQVYILSFDKHLFFYLLLLLYCEINNYNIILHSTYLGILSYLAINDSNQILFSLVWNNDL
LIHWFFDSKKRVNNFLDQKYYFLQKAYAFHFFDKQLLLIFGCLLVLTITKFFQFLYKFKEYKVIH
YNILTLMSMRHNQVTLVTCEILVHYLFVYKLLPVLHLCIIVLVWKLTTQSIEMITGDFVIYIYIQL
LLSFSCIYTEEVYITDHIELLVLFELLVLLYYWLSVSVMFYLMDRCHYEVLQLLLILLVLYLEGKI
LLNSFEVVFLIMPLTDFLHYILYCLLYLLFCTLHFMILLVQAILLVFQVITIELHLLHIIYKILLFL
YLFYVLLYSLCLMFGIVIIILWLILCKLLLLLYLNDTYYSMLFDLYLINYVLRCLVFLLCYYL
LQIVDLEVYNLDHLVLKSEFLLLSIFCNVNLTKIHLYYVNVLYYTLVILLLYYLLVTIIVLIYLIN
LNYFIKLTKYIKIIYIFYLRYYSILGFQFIILCITLHLALANLLFPLVWNNDLIIHWFFESKKEIR
NIFLLLLILFLKNIHFALPFSCIKMNDIKNKYLNYSYVILSYIATIRSCINTCTCLISCSLCYSCKK
NYGYAKKIRSCCRLWTIASICCLKTFIRICSSYTIYCSFLFRSCNKNFNCIIRLCYTLWSWFRDK
RHEFRYLHVSCVIFSIRYSISWLKCEIRFSRFSKYSSINLINIKFSYINSNYDNRFKFKNCLYISK
SYLIYTTFISCVYNIFHRIYSDKSSFFSRGPANLVWSGYMSQIARKPFYFKNKRQLAGNLIPNKYI
IKLFIDTQFNIYIYLFYIMIKDIVNHRCESTKKKHMGTPLLGESELVSGFMTEHAAVVFVFFFL
AEYGSIVLMCILTSILFIGGYLLFEISYVFTVVNYIFFELFFIDVTFVEVQSLYTDFLNNSIIEGLLY
GFNLGLKSSLMIFTFIARASFPRIKFDQLMGFCTVLLPINFAIILVPCVLYSFNLLPVNIPLFLTHPP
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>MT-14-2

ITILKNIKSYIKIIHQYSINLKGIFSILYLVLVLSLSSLLQGFLLLGSLLNRWYARLLIKVISFYLLQYLV
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VWVLYWYNLYLTINEYDIIYRVCISNSYIIFSIFYICSSSLSRKIYFRVWFPFRAKNTIRYKILYIC
FSLFTFRFRNIINFSPRCVCWYLSFSYFNFSYNRYIIRKRSNRQQTIIYTSKREIPYVRNRG
FVKLRQKTKKPTKGLMGSYKKMITYIYSYIFTITRIIYIYIILLYIKIIIRYNYSILLYKNIIYPIIN
FIIFLIIFFYIMLTHLQMKRTKYCCYSSGYRKIFLYYLFLLGSFSVRGYMDGRRVFILMNSGFKL
TLFMNLNNTYINVGYDRIMYSLRVKRDPTTYNTYWFRVEYIYLRVKNIYIYIINIVYIYWYGLN
QVYILSFDKHLFFYLLLLLYCEINNYNIILHSTYLGILSYLATNESNQNFSLVWNNDLIIHWFFDS
KKRVNNILAKEYYFLQKAYAFHFFDKQLLLIFDCLAVLTITKFNQVLSKFKEYKVIHYNILILSM
RHNQVILVTYEILVHYLFVYKLLQVLHLCIIVLVWKPILQNIEMITDDFVIYIYIQPQHSFSCIYT
VEVYIMDHIELLVLYELLVLYLYWPSVSVMFYLMKCHYEVLQLLLILLVLSLEDKILLNLFEE
VFLIMPLTDFLHYILYLLYLLYCTHFTIQLVLVTLVFQVIMIELHLLHIIYKILLFLYLYLYVHL
YSLCLMFGIVIIILWLILCKLLLLCLNDIYYLSMLFDLYLINYELLCLVQFLCYLLQIVDLEVY

NLDHLVKLSEFLLISYCNVLNTKIHLYYVNVLFYTLVTLLYYLLVTIIVQIYLINLNYYIKLTKFIK
IIYIFYLRYYSILGFQFIIYIILCITLHLALGNPLFPLVWNNDLLIHWFFDSKKEIRNNLLLLILFL
KNIHFALPFSCIKMNDIKNQYLNYSYVILPYFTAIFRSYINTCTCLVSCSLCYSSKKNYGYAKKIR
SRCRLWTTTSICCLKTFIKRICSSYTIYSSFLFRSSYFNICITRLCCYTIWTWFRIKRYEFRYLLY
VSCVIFSIRYFISRLKCQICISRFSKYSSINLINIKFSHINSNYDNRKFKFNCMYISKSCLINIAIISC
IYNIFYRIYSNKSSFFSRGPNILVWSGYMSQIAGKPFYFKNKRQLAGNLIPNKYIIKLFIDTQFNIY
IYLFYIMIKDIVNHRCESTKKKHMGTPLLGESSELVSGFMTEHA AVVFVFFFLAEYGSIVLMCI
LTSILFIGGYLLFEISYVFTVVNYIFFELFFIDVTFIEIQSLYTDNFLNNSVIEGLLYGFNLGLKSSLM
FTFIARASFPRIRFDQLMAFCTVLLPINFAIHLVPCVLYSFNLLPINIPLFLTHPPALLPQGYSTYEE
GNRSRTILVNNTYTKTIYHTRECNYTLFLYSTLLAYYYLYMIIILLNLLGYINKKFVNFFHHFLI
QNTNF

>R01-1

ITILKNIKSYIKIIHLYSINLKGIFSILYLVLFFFSLQVFLLLGSLLNRWYARLLIKVISFYLLQYLV
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NDVWVLYWYNLYLAINEYDIIYRVCICYSYFIFSHFYICSSLSRKIYFRVWFPFFRAKNTIRYKI
LYFCFSLFTFRFRNIINFPRSVCWYLSFSYFNFYSYNNYRIYIIRKRSNRQQTKIIYTIERLPYR
VCWNRGFVKLRQKTKKPTKGLMGSYKKMITYIYSYIFTITRIIYIYIILLYIKIIIRYNYSILLY
KNIYPIINFIFLIIFFYIMLTHLQMKRTKYCCYSSGYRKIFLYYFLFGSFSVRGYMDGRRVFIL
MNSGFKLTLFMNLNYYINVGYDRIMYSLRVKRDTPTYNTYWFRVEYIYLRVKNIYIQYIINIVI
YWYGLNQVYILSFDKHLFFYLLLLLYCEINNYNIILHSTYLGILSYLAINDSNQILFSLVWNNDL
LIHWFFDSKKRVNNFLDQKYYFLQKAYAFHFFDKQLLLIFGCLLVLTITKFFQFLYKFKEYKVIH
YNILTLSMRHNQVTLVTCEILVHYLFVYKLLPVLHLCIIVLVWKLTTQSIEMITGDFVIYIYIQL
LLSFSCIYTEEVYITDHIELLVLFELLVLLYYWLSVSVMFYLMDRCHYEVLQLLLILLVLYLEGKI
LLNSFEVVFLIMPLTDFLHYILYCLLYLLFCTLHFMILLVQAILLVFQVITIELHLLHIFYLKILLF
LYLFLYVLLYSLCLMFIVIIILWLILCKLLLLLYLNDTYYSMLFDLYLINYVLRCLVLFLLCYY
LLQIVDLEVYNLDHLVKLSEFLLISFCNVLNTLKIHLHYVNVLYYTLVILLYYLLVTIIVLIYLI
NLNYFIKLTKYIKIIYIFYLRYYSILGFQFIIYIILCITLHLALANLLFPLVWNNDLLIHWFFESKK
EIRNIFLLLLILFLKNIHFALPFSCIKMNDIKNKYLNYSYVILSYIATHIRSCINTCTCLISCSLCYSC
KKNYGYAKKIRSCRLWTIASICCLKTFIKRICSSYTIYCSFLFRSCNNFNFCIIRLRCTLWSW
FRDKRHEFRYILHVSCVIFSIRYSISWLKCEIRFSRFSKYSSINLINIKFSYINSNYDNRKFKFNCL
YISKSYLIYTTFISCVYNIFHRIYSDKSSFFSRGPANLVWSGYMSQIARKPFYFKNKRQLAGNLIP
NKYIIKLFIDTQFNIYIYLFYIMIKDIVNHRCESTKKKHMGTPLLGESSELVSGFMTEHA AVVF
VFFFLAEYGSIVLMCILTSILFIGGYLLFEISYVFTVVNYIFFELFFIDVTFVEVQSLYTDNFLNNSIIE
GLLYGFNLGLKSSLMIFTFIARASFPRIRFDQLMGFCTVLLPINFAIHLVPCVLYSFNLLPVNIPLF
LTHPPALLPQGYSTYEEGNRSRTILVNNTYTKTIYHTRECNYTLFLYSTLLAYYYLYMIIILLNL
LGYNKKFVNFFHHFLIQNTNF

>S1

ITILKNIKSYIKIIHLYSINLKGIFSILYLVLFFFSLQVFLLLGSLLNRWYARLLIKVISFYLLQYLV
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NDVWVLYWYNLYLAINEYDIIYRVCICYSYFIFSHFYICSSLSRKIYFRVWFPFFRAKNTIRYKI
LYFCFSLFTFRFRNIINFPRSVCWYLSFSYFNFYSYNNYRIYIIRKRSNRQQTKIIYTIERLPYR
VCWNRGFVKLRQKTKKPTKGLMGSYKKMITYIYSYIFTITRIIYIYIILLYIKIIIRYNYSILLY
KNIYPIINFIFLIIFFYIMLTHLQMKRTKYCCYSSGYRKIFLYYFLFGSFSVRGYMDGRRVFIL
MNSGFKLTLFMNLNYYINVGYDRIMYSLRVKRDTPTYNTYWFRVEYIYLRVKNIYIQYIINIVI

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LIHWFFDSKKRVNNFLDQKYYFLQKAYAFHFFDKQLLLIFGCLLVLTITKFFQFLYKFKEYKVIH
YNILTSMRHNQVTLVTCEILVHYLFVYKLLPVLHLCIIVLVWKLTTQSIEMITGDFVIYIVIQ
LLSFSCIYTEEVYITDHIELLVLFELLVLLYYWLSVSVMFYLMDRCHYEVLQLLLILLVLYLEGKI
LLNSFEVVFLLIMPLTDFLHYILYCLLYLLFCTLHFMILLVQAILLVFQVITIELHLLHIIYLKILLFL
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LQIVDLEVYNLDHLVKLSEFLLLISFCNVLNTLKIHLYYVNVLYYTLVILLYYLLVTIIVLIYLIN
LNYFIKLT KYIKIIYIFYLRYYSILGFQFIIYIILCITLHLALANLLFPLVWNNDLLIHWFFESKKEI
RNIFLLLLLILFLKNIHFALPFSCIKMNDIKNKYLNYSYVILSYIATHIRSCINTCTCLISCLCYSCCK
NYGYAKKIRSCCRLWTIASICCLKTFIKRICSSYTIYCSFLFRSCNNFNFCIIRLCYTLWSWFRD
KRHEFRYILHVSCVIFSIRYSISWLKCEIRFSRFSKYSSINLINIKFSYINSNYDNRKFKFNCLYIS
KSYLIYTTFISCVYNIFHRIYSDKSSFFSRGPANLVWSGYMSQIARKPFYFKNKRQLAGNLIPNK
YIILFIDTQFNIYIYLFYMIKDIVNHRCESTKKKHMGTHLPLLGESELVSGFMTEHAADVVFVF
FLAEYGSIVLMCILTILFIGGYLLFEISYVFTVYNYIFFELFFIDVTFVEVQSLYTDLNNIIIEGL
LYGFNLGLKSSLMIFTFIARASFPRIKFDQLMGFCTVLLPINFAIILVPCVLYSFNLLPVNIPLFLT
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YINKKFVNFFHHFLIQNTNF

>Su-1

ITILKNIKSYIKIIHLYSINLKGIFSILYLVLFFFSLQVFLLLGSLLNRWYARLLIKVISFYLLQYLV
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NDVWVLYWYNLYLAINEYDIIYRVCICYSYFIFSHFYICSSLSRKIYFRVWFPFFRAKNTIRYKI
LYFCFSLFTFRFRNIINFPRSVCWYLSFSYFNFYSYNNYRIYIIRKRSNRQQTKIYTIERLPYR
VCWNRGFKLRQKTKKPTKGLMGSYKKMITYIYSYIIFTITRIIYIYIILLYIKIIIRYNYSILLY
KNIYPIINFIFLIIFFYIMLTHLQMKRTKYCCYSSGYRKIFLYYFLLLGSFSVRGYMDGRRVFIL
MNSGFKLTLFMNLNYYNINVGYDRIMYSLRVKRDTPYNTYWFRVEYIYLRVKNIYIYIINIVI
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LIHWFFDSKKRVNNFLDQKYYFLQKAYAFHFFDKQLLLIFGCLLVLTITKFFQFLYKFKEYKVIH
YNILTSMRHNQVTLVTCEILVHYLFVYKLLPVLHLCIIVLVWKLTTQSIEMITGDFVIYIVIQ
LLSFSCIYTEEVYITDHIELLVLFELLVLLYYWLSVSVMFYLMDRCHYEVLQLLLILLVLYLEGKI
LLNSFEVVFLLIMPLTDFLHYILYCLLYLLFCTLHFMILLVQAILLVFQVITIELHLLHIIYLKILLFL
YLFLYVLLYSLCLMFGIVIIILWLILCKLLLLLYLNDTYYSMLFDLYLINYVLRCLVLFLLCYYL
LQIVDLEVYNLDHLVKLSEFLLLISFCNVLNTLKIHLYYVNVLYYTLVILLYYLLVTIIVLIYLIN
LNYFIKLT KYIKIIYIFYLRYYSILGFQFIIYIILCITLHLALANLLFPLVWNNDLLIHWFFESKKEI
RNIFLLLLLILFLKNIHFALPFSCIKMNDIKNKYLNYSYVILSYIATHIRSCINTCTCLISCLCYSCCK
NYGYAKKIRSCCRLWTIASICCLKTFIKRICSSYTIYCSFLFRSCNNFNFCIIRLCYTLWSWFRD
KRHEFRYILHVSCVIFSIRYSISWLKCEIRFSRFSKYSSINLINIKFSYINSNYDNRKFKFNCLYIS
KSYLIYTTFISCVYNIFHRIYSDKSSFFSRGPANLVWSGYMSQIARKPFYFKNKRQLAGNLIPNK
YIILFIDTQFNIYIYLFYMIKDIVNHRCESTKKKHMGTHLPLLGESELVSGFMTEHAADVVFVF
FLAEYGSIVLMCILTILFIGGYLLFEISYVFTVYNYIFFELFFIDVTFVEVQSLYTDLNNIIIEGL
LYGFNLGLKSSLMIFTFIARASFPRIKFDQLMGFCTVLLPINFAIILVPCVLYSFNLLPVNIPLFLT
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YINKKFVNFFHHFLIQNTNF

>T-3

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LYFCFSLFTFRFRNIINFPRSVCWYLSFSYFNFSYNNYRIYIIRKRSNRQQTKIYTIERLPYR
VCWNRGFVKLRQKTKKPTKGLMGSYKKMITYIYSYYIFTITRIIYIYIILLYIKIIIRYNYSILLY
KNIIYPIINFIFLIIFFYIMLTHLQMKRTKYCCYSSGYRKIFLYYLFLLGSFSVRGYMDGRRVFIL
MNSGFKLTLFMNLNYYINVGYDRIMYSLRVKRDTPYNTYWFRVEYIYLRVKNIYIYIINIVI
YWYGLNQVYILSFDKHLFFYLLLLLYCEINNYYNIIHSTYLGILSYLAINDSNQILFSLVWNNDL
LIHWFFDSKKRVNNFLDQKYYFLQKAYAFHFFDKQLLLIFGCLLVLTITKFFQFLYKFKEYKVIH
YNILTLSMRHNQVTLVTCEILVHYLFVYKLLPVLHLCIIVLVWKLLTQSIEMLITGDFVIYIYIQL
LLSFSCIYTEEVYITDHIELLVLFELLVLLYYWLSVSVMFYLMDRCHYEVLQLLLILLVLYLEGKI
LLNSFEVVFLIMPLTDFLHYILYCLLYLLFCTLHFMILLVQAILLVFQVITIELHLLHIFYLKILLF
LYLFLYVLLYSLCLMFGIVIIILWLILCKLLLLLYLNDTYYSMLFDLYLINYVLRCLVLFLLCYY
LLQIVDLEVYNLDHLVKLSEFLLISFCNVLNTLKIHLYYVNVLYYTLVILLYYLLVTIIVLIYLI
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EIRNIFLLLLILFLKNIHFALPFSCIKMNDIKNKYLNYSYVILSYIATHIRSCINTCTCLISCSLCYSC
KKNYGYAKKIRSCRLWTIASICCLKTFIKRICSSYTIYCSFLFRSCNNFNFCIIRLRCYTLWSW
FRDKRHEFRYILHVSCVIFSIRYSISWLKCEIRFSRFSKYSSINLINIKFSYINSNYDNRKFKFNCL
YISKSYLIYTTFISCVYNIFHRIYSDKSSFFSRGPANLVWSGYMSQIARKPFYFKNKRQLAGNLIP
NKYIIKLFIDTQFNIYIYLFYIMIKDIVNHRCESTKKKHMGTPLGESELVSGFMTEHA AVVF
VFFFLAEYGSIVLMCILTILFIGGYLLFEISYVFTVVNYIFFELFFIDVTFVEVQSLYTDFLNNSIIE
GLLYGFNLGLKSSLMFTFIARASFPRIKFDQLMGFCTVLLPINFAIILVPCVLYSFNLLPVNIPLF
LTHPPALLPQGYSTYEEGNRSRTILVNNYTYTKTIYHTRECNYTLFLYSTLLAYYYLYMIHLLNL
LGYINKKFVNFFHHFLIQNTNF

>YN010

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LYFCFSLFTFRFRNIINFPRSVCWYLSFSYFNFSYNNYRIYIIRKRSNRQQTKIYTIERLPYR
VCWNRGFVKLRQKTKKPTKGLMGSYKKMITYIYSYYIFTITRIIYIYIILLYIKIIIRYNYSILLY
KNIIYPIINFIFLIIFFYIMLTHLQMKRTKYCCYSSGYRKIFLYYLFLLGSFSVRGYMDGRRVFIL
MNSGFKLTLFMNLNYYINVGYDRIMYSLRVKRDTPYNTYWFRVEYIYLRVKNIYIYIINIVI
YWYGLNQVYILSFDKHLFFYLLLLLYCEINNYYNIIHSTYLGILSYLAINDSNQILFSLVWNNDL
LIHWFFDSKKRVNNFLDQKYYFLQKAYAFHFFDKQLLLIFGCLLVLTITKFFQFLYKFKEYKVIH
YNILTLSMRHNQVTLVTCEILVHYLFVYKLLPVLHLCIIVLVWKLLTQSIEMLITGDFVIYIYIQL
LLSFSCIYTEEVYITDHIELLVLFELLVLLYYWLSVSVMFYLMDRCHYEVLQLLLILLVLYLEGKI
LLNSFEVVFLIMPLTDFLHYILYCLLYLLFCTLHFMILLVQAILLVFQVITIELHLLHIFYLKILLF
LYLFLYVLLYSLCLMFGIVIIILWLILCKLLLLLYLNDTYYSMLFDLYLINYVLRCLVLFLLCYY
LLQIVDLEVYNLDHLVKLSEFLLISFCNVLNTLKIHLYYVNVLYYTLVILLYYLLVTIIVLIYLI
NLNYFIKLTKYIKIIYIFYLRYYFSILGFQFIYIILCITLHLALANLLFPLVWNNDDLIIHWFFESKK
EIRNIFLLLLILFLKNIHFALPFSCIKMNDIKNKYLNYSYVILSYIATHIRSCINTCTCLISCSLCYSC
KKNYGYAKKIRSCRLWTIASICCLKTFIKRICSSYTIYCSFLFRSCNNFNFCIIRLRCYTLWSW
FRDKRHEFRYILHVSCVIFSIRYSISWLKCEIRFSRFSKYSSINLINIKFSYINSNYDNRKFKFNCL
YISKSYLIYTTFISCVYNIFHRIYSDKSSFFSRGPANLVWSGYMSQIARKPFYFKNKRQLAGNLIP
NKYIIKLFIDTQFNIYIYLFYIMIKDIVNHRCESTKKKHMGTPLGESELVSGFMTEHA AVVF

VFFFLAEYGSIVLMCILTSILFIGGYLLFEISYVFTVVNYIFFELFFIDVTFVEVQSLYTDFLNNSIIE
GLLYGFNLGLKSSLMIFTFIARASFPRIKFDQLMGFCTVLLPINFAIHLVPCVLYSFNLLPVNIPLF
LTHPPALLPQGYSTYEEGNRSRTILVNNTYTKTIYHTRECNYTLFLYSTLLAYYYLYMIIILLNL
LGYINKKFVNFFHHFLIQNTNF

>YN029

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NDVWVLYWYNLYLAINEYDIIYRVCICYSYFIFSHFYICSSSLSRKIYFRVWFPFFRAKNTIRYKI
LYFCFSLFTFRFRNIINFPRSVWCWYLSFSYFNFSYNNYRIYIIRKRSNRQQTKIIYTIERLPYR
VCWNRGFVKLRQKTKKPTKGLMGSYKKMITYIYSYIFTITRIIYIYIILLYIKIIIRYNYSILLY
KNIYPIINFIFFLIIFFYIMLTHLQMKRTKYCCYSSGYRKIFLYYFLLLGSFSVRGYMDGRRVFIL
MNSGFKLTLFMNLNNTYINVGYDRIMYSLRVKRDTPYNTYWFRVEYIYLRVKNIYIYIINIVI
YWYGLNQVYILSFDKHLFFYLLLLLYCEINNYYIILHSTYLGILSYLAINDSNQILFSLVWNNDL
LIHWFFDSKKRVNNFLDQKYYFLQKAYAFHFFDKQLLLIFGCLLVLTITKFFQFLYKFKEYKVIH
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LLSFSCIYTEEVYITDHIELLVLFELLVLLYYWLSVSVMFYLMRCHYEVLQLLLILLVLYLEGKI
LLNSFEVVFLIMPLTDFLHYILYCLLYLLFCTLHFMILLVQAILLVFQVITIELHLLHIFYLKILLF
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LLQIVDLEVYNLDHLVKLSEFLLISFCNVLNTLKIHLYYVNVLYYTLVILLYYLLVTHIVLIYLI
NLNYFIKLTKYIKIIYIFYLRYYSILGFQFIYIILCITLHLALANLLFPLVWNNDLLIHWFFESKK
EIRNIFLLLLILFLKNIHFALPFCIKMNDIKNKYLNYSYVILSYIATHIRSCINTCTCLISCLCYSC
KKNYGYAKKIRSCCRLLWTIASICCLKTFIKRICSSYTIYCSFLFRSCNNFNFCIIRLRCTLWSW
FRDKRHEFRYILHVSCVIFSIRYSISWLKCEIRFSRFSKYSSINLINIKFSYINSNYDNRKFKFNCL
YISKSYLIYTTFISCVYNIFHRIYSDKSSFFSRGPANLVWSGYMSQIARKPFYFKNKRQLAGNLIP
NKYIIKLFIDTQFNIYIYLFYIMIKDIVNHRCESTKKKHMGTHLPLLGESELVSGFMTEHAAVVF
VFFFLAEYGSIVLMCILTSILFIGGYLLFEISYVFTVVNYIFFELFFIDVTFVEVQSLYTDFLNNSIIE
GLLYGFNLGLKSSLMIFTFIARASFPRIKFDQLMGFCTVLLPINFAIHLVPCVLYSFNLLPVNIPLF
LTHPPALLPQGYSTYEEGNRSRTILVNNTYTKTIYHTRECNYTLFLYSTLLAYYYLYMIIILLNL
LGYINKKFVNFFHHFLIQNTNF

>YN030

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NDVWVLYWYNLYLAINEYDIIYRVCICYSYFIFSHFYICSSSLSRKIYFRVWFPFFRAKNTIRYKI
LYFCFSLFTFRFRNIINFPRSVWCWYLSFSYFNFSYNNYRIYIIRKRSNRQQTKIIYTIERLPYR
VCWNRGFVKLRQKTKKPTKGLMGSYKKMITYIYSYIFTITRIIYIYIILLYIKIIIRYNYSILLY
KNIYPIINFIFFLIIFFYIMLTHLQMKRTKYCCYSSGYRKIFLYYFLLLGSFSVRGYMDGRRVFIL
MNSGFKLTLFMNLNNTYINVGYDRIMYSLRVKRDTPYNTYWFRVEYIYLRVKNIYIYIINIVI
YWYGLNQVYILSFDKHLFFYLLLLLYCEINNYYIILHSTYLGILSYLAINDSNQILFSLVWNNDL
LIHWFFDSKKRVNNFLDQKYYFLQKAYAFHFFDKQLLLIFGCLLVLTITKFFQFLYKFKEYKVIH
YNILTLMSMRHNQVTLVTCEILVHYLFVYKLLPVLHLCIIVLVWKLTTQSIEMITGDFVIYIYIQL
LLSFSCIYTEEVYITDHIELLVLFELLVLLYYWLSVSVMFYLMRCHYEVLQLLLILLVLYLEGKI
LLNSFEVVFLIMPLTDFLHYILYCLLYLLFCTLHFMILLVQAILLVFQVITIELHLLHIFYLKILLF
LYLFLYVLLYSLCLMFGIVIIILWLILCKLLLLLYLNDTYYSMLFDLYLINYVLRCLVFLLCYY
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NLNYFIKLT KYIKIIIYIFYLRYYSILGFQFIIYIILCITLHLALANLLFPLVWNNDLLIHWFFESKK
EIRNIFLLLLILFLKNIHFALPFSCIKMNDIKNKYLNYSYVILSYIATHIRSCINTCTCLISCSLCYSC
KKNYGYAKKIRSCROLLWTIASICCLKTFIKRICSSYTIYCSFLFRSCNNFNFCIIRLRCYTLWSW
FRDKRHEFRYILHVSCVIFSIRYSISWLKCEIRFSRFSKYSSINLINIKFSYINSNYDNRKFKFNCL
YISKSYLIYTTFISCVYNIFHRIYSDKSSFFSRGPANLVWSGYMSQIARKPFYFKNKRQLAGNLIP
NKYIIKLFIDTQFNIIYLYFIYMIKDIVNHRCESTKKKHMGTLLPLLGESELVSGFMTEHAAVVF
VFFFLAEYGSIVLMCILTSLFIGGYLLFEISYVFTVVNYIFFELFFIDVTFVEVQSLYTDNFLNNSIIE
GLLYGFNLGLKSSLMIFTFIARASFPRIKFDQLMGFCTVLLPINFAIIILVPCVLYSFNLLPVNIPLF
LTHPPALLPQGYSTYEEGNRSRTILVNNYTYTKTIYHTRECNYTLFLYSTLLAYYYLYMIIILLNL
LGYNKKFVNFFHHFLIQNTNF

>YN040

ITILKNIKSYIKIIHLYSINLKGIFSILYLVLFFFSLQVFLLLGSLLNRWYARLLIKVISFYLLQYLV
LEGFIILKKCSFIHLTINTKKLKIILLMVKLLIETIKYMLNLIQMLCLVLWQLFLLHFYYSCLIK
NDVWVLYWYNLYLAINEYDIIYRVCICYSYFIFSHFYICSSSLSRKIYFRVWFPFRAKNTIRYKI
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VCWNRGFVKLRQKTKKPTKGLMGSYKKMITYIYSYIFTITRIIYIYIILLYIKIIIIIRYNYSILLY
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MNSGFKLTLFMNLNYYINVGYDRIMYSLRVKRDPTTYNTYWFRVEYIYLRVKNIYIYIINIVI
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LIHWFFDSKKRVNNFLDQKYYFLQKAYAFHFFDKQLLLIFGCLLVLTITKFFQFLYKFKEYKVIH
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LLSFSCIYTEEVYITDHIELLVLFELLVLLYYWLSVSVMFYLMDRCHYEVLQLLLILLVLYLEGKI
LLNSFEVVFLIMPLTDFLHYILYCLLYLLFCTLHFMILLVQAILLVFQVITIELHLLHIFYLKILLF
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LLQIVDLEVYNLDHLVKLSEFLLISFCNVLNTLKIHLYYVNVLYYTLVILLLYYLLVTIIVLIYLI
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EIRNIFLLLLILFLKNIHFALPFSCIKMNDIKNKYLNYSYVILSYIATHIRSCINTCTCLISCSLCYSC
KKNYGYAKKIRSCROLLWTIASICCLKTFIKRICSSYTIYCSFLFRSCNNFNFCIIRLRCYTLWSW
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YISKSYLIYTTFISCVYNIFHRIYSDKSSFFSRGPANLVWSGYMSQIARKPFYFKNKRQLAGNLIP
NKYIIKLFIDTQFNIIYLYFIYMIKDIVNHRCESTKKKHMGTLLPLLGESELVSGFMTEHAAVVF
VFFFLAEYGSIVLMCILTSLFIGGYLLFEISYVFTVVNYIFFELFFIDVTFVEVQSLYTDNFLNNSIIE
GLLYGFNLGLKSSLMIFTFIARASFPRIKFDQLMGFCTVLLPINFAIIILVPCVLYSFNLLPVNIPLF
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LGYNKKFVNFFHHFLIQNTNF

>YN047

ITILKNIKSYIKIIHLYSINLKGIFSILYLVLFFFSLQVFLLLGSLLNRWYARLLIKVISFYLLQYLV
LEGFIILKKCSFIHLTINTKKLKIILLMVKLLIETIKYMLNLIQMLCLVLWQLFLLHFYYSCLIK
NDVWVLYWYNLYLAINEYDIIYRVCICYSYFIFSHFYICSSSLSRKIYFRVWFPFRAKNTIRYKI
LYFCFSLFTFRFRNIINFPRSVWCWYLSFSYFNFYSYNNYRIYIIRKRSNRQQTKIIYTIERLPYR
VCWNRGFVKLRQKTKKPTKGLMGSYKKMITYIYSYIFTITRIIYIYIILLYIKIIIIIRYNYSILLY
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MNSGFKLTLFMNLNYYINVGYDRIMYSLRVKRDPTTYNTYWFRVEYIYLRVKNIYIYIINIVI
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LIHWFFDSKKRVNNFLDQKYYFLQKAYAFHFFDKQLLLIFGCLLVLTITKFFQFLYKFKEYKVIH
YNILTLSMRHNQVTLVTCEILVHYLFVYKLLPVLHLCIIVLVWKLLTQSIEMLITGDFVIYIVIQL
LLSFSCIYTEEVYITDHIELLVLFELLVLLYYWLSVSVMFYLMDRCHYEVLQLLLILLVLYLEGKI
LLNSFEVVFLIMPLTDFLHYILYCLLYLLFCTLHFMILLVQAILLVFQVITIELHLLHIFYLKILLF
LYLFLYVLLYSLCCLMFIVIIIWLILCKLLLLLYLNDTYYSMLFDLYLINYVLRCLVLFLLCYY
LLQIVDLEVYNLDHLVKLSEFLLISFCNVLNTLKIHLYYVNVLYYTLVILLYYLLVTIIVLIYLI
NLNYFIKLTKEYIKIIYIFYLRYYSILGFQFIYIILCITLHLALANLLFPLVWNNDDLHWWFFDSKK
EIRNIFLLLLILFLKNIHFALPFSCIKMNDIKNKYLNYSYVILSYIATHIRSCINTCTCLISCSLCYSC
KKNYGYAKKIRSCCRLLWTIASICCLKTFIKRICSSYTIYCSFLFRSCNNFNFCIIRLRCTLWSW
FRDKRHEFRYILHVSCVIFSIRYSISWLKCEIRFSRFSKYSSINLINIKFSYINSNYDNRKFKFNCL
YISKSYLIYTTFISCVYNIFHRIYSDKSSFFSRGPANLVWSGYMSQIARKPFYFKNKRQLAGNLIP
NKYIIKLFIDTQFNIYIYLFYIMIKDIVNHRCESTKKKHMGTPLGESELVSGFMTEHA AVVF
VFFFLAEYGSIVLMCILTSILFIGGYLLFEISYVFTVVNYIFFELFFIDVTFVEVQSLYTDFLNNIIIE
GLLYGFNLGLKSSLMIFTFIARASFPRIREFDQLMGFCTVLLPINFAIIILVPCVLYSFNLLPVNIPLF
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LGYINKKFVNFFHHFLIQNTNF

>YN084

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LYFCFSLFTFRFRNIINFPRSVCWYLSFSYFNFSYNNYRIYIIRKRSNRQQTKIYTIERLPYR
VCWNRGFVKLRQKTKKPTKGLMGSYKKMITYIYSYIFTITRIIYIYIILLYIKIIIRYNYSILLY
KNIIYPIINFIFLIIFFYIMLTHLQMKRTKYCCYSSGYRKIFLYYFLFGSFSVRGYMDGRRVFIL
MNSGFKLTLMFNLNYYNINVGYDRIMYSLRVKRDTPTYNTYWFRVEYIYLRVKNIYIYIINIVI
YWYGLNQVYILSFDKHLFFYLLLLLYCEINNYYNIILHSTYLGILSYLAINDSNQILFSLVWNNDL
LIHWFFDSKKRVNNFLDQKYYFLQKAYAFHFFDKQLLLIFGCLLVLTITKFFQFLYKFKEYKVIH
YNILTLSMRHNQVTLVTCEILVHYLFVYKLLPVLHLCIIVLVWKLLTQSIEMLITGDFVIYIVIQL
LLSFSCIYTEEVYITDHIELLVLFELLVLLYYWLSVSVMFYLMDRCHYEVLQLLLILLVLYLEGKI
LLNSFEVVFLIMPLTDFLHYILYCLLYLLFCTLHFMILLVQAILLVFQVITIELHLLHIFYLKILLF
LYLFLYVLLYSLCCLMFIVIIIWLILCKLLLLLYLNDTYYSMLFDLYLINYVLRCLVLFLLCYY
LLQIVDLEVYNLDHLVKLSEFLLISFCNVLNTLKIHLYYVNVLYYTLVILLYYLLVTIIVLIYLI
NLNYFIKLTKEYIKIIYIFYLRYYSILGFQFIYIILCITLHLALANLLFPLVWNNDDLHWWFFESKK
EIRNIFLLLLILFLKNIHFALPFSCIKMNDIKNKYLNYSYVILSYIATHIRSCINTCTCLISCSLCYSC
KKNYGYAKKIRSCCRLLWTIASICCLKTFIKRICSSYTIYCSFLFRSCNNFNFCIIRLRCTLWSW
FRDKRHEFRYILHVSCVIFSIRYSISWLKCEIRFSRFSKYSSINLINIKFSYINSNYDNRKFKFNCL
YISKSYLIYTTFISCVYNIFHRIYSDKSSFFSRGPANLVWSGYMSQIARKPFYFKNKRQLAGNLIP
NKYIIKLFIDTQFNIYIYLFYIMIKDIVNHRCESTKKKHMGTPLGESELVSGFMTEHA AVVF
VFFFLAEYGSIVLMCILTSILFIGGYLLFEISYVFTVVNYIFFELFFIDVTFVEVQSLYTDFLNNIIIE
GLLYGFNLGLKSSLMIFTFIARASFPRIREFDQLMGFCTVLLPINFAIIILVPCVLYSFNLLPVNIPLF
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LGYINKKFVNFFHHFLIQNTNF

>YN093

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VCWNRGFVKLRQKTKKPTKGLMGSYKKMITYIYSYIYFTITRIIYIYIILLYIKIIIRYNYSILLY
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MNSGFKLTLFMNLNYYINVGYDRIMYSLRVKRDTPYNTYWFRVEYIYLRVKNIYIYIINIVI
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LLSFSCIYTEEVYITDHIELLVLFELLVLLYYWLSVSVMFYLMDRCHYEVLQLLLILLVLYLEGKI
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LLQIVDLEVYNLDHLVKLSEFLLISFCNVLNTLKIHLYYVNVLYYTLVILLYYLLVTHIYLIYLI
NLNYFIKLTKYIKIIYIFYLRYYSILGFQFIYIILCITLHLALANLLFPLVWNNDLLIHWFFESKK
EIRNIFLLLLILFLKNIHFALPFSCIKMNDIKNKYLNYSYVILSYIATHIRSCINTCTCLISCSLCYSC
KKNYGYAKKIRSCCRLLWTIASICCLKTFIKRICSSYTIYCSFLFRSCNNFNFCIIRLRCTLWSW
FRDKRHEFRYILHVSCVIFSIRYSISWLKCEIRFSRFSKYSSINLINIKFSYINSNYDNRKFKFNCL
YISKSYLIYTTFISCVYNIFHRIYSDKSSFFSRGPANLVWSGYMSQIARKPFYFKNKRQLAGNLIP
NKYIIKLFIDTQFNIYIYLFYIMIKDIVNHRCESTKKKHMGTPLGSELVSGFMTEHAAVVF
VFFFLAEYGSIVLMCILTSILFIGGYLLFEISYVFTVVNYIFFELFFIDVTFVEVQSLYTDFLNNIIE
GLLYGFNLGLKSSLMIFTFIARASFPRIKFDQLMGFCTVLLPINFAIIILVPCVLYSFNLLPVNIPLF
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LGYINKKFVNFFHHFLIQNTNF

>YN094

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LYFCFSLFTFRFRNIINFPRSVCWYLSFSYFNFYSYNNYRIYIIRKRSNRQQTKIYTIERLPYR
VCWNRGFVKLRQKTKKPTKGLMGSYKKMITYIYSYIYFTITRIIYIYIILLYIKIIIRYNYSILLY
KNIHYPIINFIFFLIIFFYIMLTHLQMKRTKYCCYSSGYRKIFLYYFLLLGSFSVRGYMDGRRVFIL
MNSGFKLTLFMNLNYYINVGYDRIMYSLRVKRDTPYNTYWFRVEYIYLRVKNIYIYIINIVI
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YISKSYLIYTTFISCVYNIFHRIYSDKSSFFSRGPANLVWSGYMSQIARKPFYFKNKRQLAGNLIP
NKYIIKLFIDTQFNIYIYLFYIMIKDIVNHRCESTKKKHMGTPLGSELVSGFMTEHAAVVF
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>YN097

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LYFCFSLFTFRFRNIINFPRSVWCWYLSFSYFNFSYNRYRIIRKRSNRQQTKIYTIERLPYR
VCWNRGFVKLRQKTKKPTKGLMGSYKKMITYIYSYIFTITRIIYIYIILLYIKIIIRYNYSILLY
KNIIYPIINFIFLIIFFYIMLTHLQMKRTKYCCYSSGYRKIFLYYFLLLGSFSVRGYMDGRRVFIL
MNSGFKLTLFMNLNRYNINVGYDRIMYSLRVKRDPTTYNTYWFRVEYIYLRVKNIYIYIINIVI
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LIHWFFDSKKRVNFDQKYYFLQKAYAFHFFDKQLLLIFGCLLVLTITKFFQFLYKFKEYKVIH
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LLSFSCIYTEEVYITDHIELLVLFELLVLLYYWLSVSVMFYLMDRCHYEVLQLLLILLVLYLEGKI
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NKYIIKLFIDTQFNIYIYLFYMIKDIVNHRCESTKKKHMGTPLGESELVSGFMTEHAAVVF
VFFFLAEYGSIVLMCILTILFIGGYLLFEISYVFTVVNYIFFELFFIDVTFVEVQSLYTDFLNNIIE
GLLYGFNLGLKSSLMIFTFIARASFPRIKFDQLMGFCTVLLPINFAIHLVPCVLYSFNLLPVNIPLF
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LGYINKKFVNFFHHFLIQNTNF

>YN137

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LYFCFSLFTFRFRNIINFPRSVWCWYLSFSYFNFSYNRYRIIRKRSNRQQTKIYTIERLPYR
VCWNRGFVKLRQKTKKPTKGLMGSYKKMITYIYSYIFTITRIIYIYIILLYIKIIIRYNYSILLY
KNIIYPIINFIFLIIFFYIMLTHLQMKRTKYCCYSSGYRKIFLYYFLLLGSFSVRGYMDGRRVFIL
MNSGFKLTLFMNLNRYNINVGYDRIMYSLRVKRDPTTYNTYWFRVEYIYLRVKNIYIYIINIVI
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VFFFLAEYGSIVLMCILTILFIGGYLLFEISYVFTVVNYIFFELFFIDVTFVEVQSLYTDFLNNSIIE
GLLYGFNLGLKSSLMIFTFIARASFPRIKFDQLMGFCTVLLPINFAIHLVPCVLYSFNLLPVNIPLF
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>YN153

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LYFCFSLFTFRFRNIINFPRSVCWYLSFSYFNFSYNNYRIYIIRKRSNRQQTKIYTIERLPYR
VCWNRGFVKLRQKTKKPTKGLMGSYKKMITYIYSYIFTITRIIYIYIILLYIKIIIRYNYSILLY
KNIIYPIINFIFFLIIFFYIMLTHLQMKRTKYCCYSSGYRKIFLYYFLLGFSFSVRGYMDGRRVFIL
MNSGFKLTLFMNLNNTYINVGYDRIMYSLRVKRDPTTYNTYWFRVEYIYLRVKNIYIYIINIVI
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LLQIVDLEVYNLDHLVKLSEFLLISFCNVLNTLKIHLYYVNVLYYTLVILLYYLLVTHIYLIYLI
NLNYFIKLTKYIKIIYIFYLRYYSILGFQFIYIILCITLHLALANLLFPLVWNNDLLIHWFFESKK
EIRNIFLLLLILFLKNIHFALPFSCIKMNDIKNKYLNYSYVILSYIATHIRSCINTCTCLISCSLCYSC
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YISKSYLIYTTFISCVYNIFHRIYSDKSSFFSRGPANLVWSGYMSQIARKPFYFKNKRQLAGNLIP
NKYIIKLFIDTQFNIYIYLFYIMIKDIVNHRCESTKKKHMGTPLLGESELVSGFMTEHA AVVF
VFFFLAEYGSIVLMCILTILFIGGYLLFEISYVFTVVNYIFFELFFIDVTFVEVQSLYTDFLNNSIIE
GLLYGFNLGLKSSLMIFTFIARASFPRIKFDQLMGFCTVLLPINFAIHLVPCVLYSFNLLPVNIPLF
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>YN154

ITILKNIKSYIKIIHLYSINLKGIFSILYLVLFFFSLQVFLLLGSLLNRWYARLLIKVISFYLLQYLV
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NDVWVLYWYNLYLAINEYDIIYRVCICYSYFIFSHFYICSSSLRKIYFRVWFPFRAKNTIRYKI
LYFCFSLFTFRFRNIINFPRSVCWYLSFSYFNFSYNNYRIYIIRKRSNRQQTKIYTIERLPYR
VCWNRGFVKLRQKTKKPTKGLMGSYKKMITYIYSYIFTITRIIYIYIILLYIKIIIRYNYSILLY
KNIIYPIINFIFFLIIFFYIMLTHLQMKRTKYCCYSSGYRKIFLYYFLLGFSFSVRGYMDGRRVFIL
MNSGFKLTLFMNLNNTYINVGYDRIMYSLRVKRDPTTYNTYWFRVEYIYLRVKNIYIYIINIVI
YWYGLNQVYILSFDKHLFFYLLLLLYCEINNYYNIHSTYLGILSYLAINDSNQILFSLVWNNDL
LIHWFFDSKKRVNNFLDQKYYFLQKAYAFHFFDKQLLLIFGCLLVLTITKFFQFLYKFKEYKVIH

YNILTLSMRHNQVTLVTCEILVHYLFVYKLLPVLHLCIIVLVWKLTTQSIEMLITGDFVIYIVIQL
LLSFSCIYTEEVYITDHIELLVLFELLVLLYYWLSVSVMFYLMDRCHYEVLQLLLILLVLYLEGKI
LLNSFEVVFLIMPLTDFLHYILYCLLYLLFCTLHFMILLVQAILLVFQVITIELHLLHIFYLKILLF
LYLFLYVLLYSLCLMFGIVIIILWLILCKLLLLLYLNDTYYSMLFDLYLINYVLRCLVLFLLCYY
LLQIVDLEVYNLDHLVKLSEFLLISFCNVLNTLKIHLYYVNVLYYTLVILLYYLLVTHIVLIYLI
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EIRNIFLLLLLILFLKNIHFALPFSCIKMNDIKNKYLNYSYVILSYIATHIRSCINTCTCLISCSLCYSC
KKNYGYAKKIRSCCRLLWTIASICCLKTFIKRICSSYTIYCSFLFRSCNNFNFCIIRLRCYTLWSW
FRDKRHEFRYILHVSCVIFSIRYSISWLKCEIRFSRFSKYSSINLINIKFSYINSNYDNRKFKFNCL
YISKSYLIYTTFISCVYNIFHRIYSDKSSFFSRGPANLVWSGYMSQIARKPFYFKNKRQLAGNLIP
NKYIIKLFIDTQFNIIYILFIYMIKDIVNHRCESTKKKHMGTPLGESELVSGFMTEHAAVVF
VFFFLAEYGSIVLMCILTSILFIGGYLLFEISYVFTVVNYIFFELFFIDVTFVEVQSLYTDFLNNSIIE
GLLYGFNLGLKSSLMIFTFIARASFPRIKFDQLMGFCTVLLPINFAIIILVPCVLYSFNLLPVNIPLF
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LGYINKKFVNFFHHFLIQNTNF

>YN157

ITILKNIKSYIKIIHLYSINLKGIFSILYLVLFFFSLQVFLLLGSLLNRWYARLLIKVISFYLLQYLV
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LYFCFSLFTFRFRNIINFPRSVCWYLSFSYFNFSYNRYIIRKRSNRQQTKIYTIERLPYR
VCWNRGFKLRQKTKKPTKGLMGSYKKMITYIYSYIFTITRIIYIYIILLYIKIIIRYNYSILLY
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MNSGFKLTLFMNLNYYINVGYDRIMYSLRVKRDPTTYNTYWFRVEYIYLRVKNIYIYIINIVI
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LIHWFDFSCKRVNNFLDQKYYFLQKAYAFHFFDKQLLLIFGCLLVLTITKFFQFLYKFKEYKVIH
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LLSFSCIYTEEVYITDHIELLVLFELLVLLYYWLSVSVMFYLMDRCHYEVLQLLLILLVLYLEGKI
LLNSFEVVFLIMPLTDFLHYILYCLLYLLFCTLHFMILLVQAILLVFQVITIELHLLHIFYLKILLF
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EIRNIFLLLLLILFLKNIHFALPFSCIKMNDIKNKYLNYSYVILSYIATHIRSCINTCTCLISCSLCYSC
KKNYGYAKKIRSCCRLLWTIASICCLKTFIKRICSSYTIYCSFLFRSCNNFNFCIIRLRCYTLWSW
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YISKSYLIYTTFISCVYNIFHRIYSDKSSFFSRGPANLVWSGYMSQIARKPFYFKNKRQLAGNLIP
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VFFFLAEYGSIVLMCILTSILFIGGYLLFEISYVFTVVNYIFFELFFIDVTFVEVQSLYTDFLNNSIIE
GLLYGFNLGLKSSLMIFTFIARASFPRIKFDQLMGFCTVLLPINFAIIILVPCVLYSFNLLPVNIPLF
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>YN158

ITILKNIKSYIKIIHLYSINLKGIFSILYLVLFFFSLQVFLLLGSLLNRWYARLLIKVISFYLLQYLV
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LYFCFSLFTFRFRNIINFPRSVWCWYLSFSYFNFYSYNNYRIYIIRKRSNRQQTKIYTIERLPYR
VCWNRGFVKLRQKTKKPTKGLMGSYKKMITYIYSYYIFTITRIIYIYIILLYIKIIIRYNYSILLY
KNIYPIINFIFLIIFFYIMLTHLQMKRTKYCCYSSGYRKIFLYYFLGGSFSVRGYMDGRRVFIL
MNSGFKLTLFMNLNYYINVGYDRIMYSLRVKRDTPTYNTYWFRVEYIYLRVKNIYIQYIINIVI
YWYGLNQVYILSFDKHLFFYLLLLLYCEINNYNIILHSTYLGILSYLAINDSNQILFSLVWNNDL
LIHWFFDSKKRVNNFLDQKYYFLQKAYAFHFFDKQLLLIFGCLLVLTITKFFQFLYKFKEYKVIH
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LLSFSCIYTEEVYITDHIELLVLFELLVLLYYWLSVSVMFYLMDRCHYEVLQLLLILLVLYLEGKI
LLNSFEVVFLIMPLTDFLHYILYCLLYLLFCTLHFMILLVQAILLVFQVITIELHLLHIFYLKILLF
LYLFLYVLLYSLCLMFIVIIIWLILCKLLLLLYLNDTYYSMLFDLYLINYVLRCLVLFLLCYY
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KKNYGYAKKIRSCCRLLWTIASICCLKTFIKRICSSYTIYCSFLFRSCNNFNFCIIRLRCTLWSW
FRDKRHEFRYILHVSCVIFSIRYSISWLKCEIRFSRFSKYSSINLINIKFSYINSNYDNRKFKFNCL
YISKSYLIYTTFISCVYNIFHRIYSDKSSFFSRGPANLVWSGYMSQIARKPFYFKNKRQLAGNLIP
NKYIIKLFIDTQFNIYIYLFYIMIKDIVNHRCESTKKKHMGTPLGESELVSGFMTEHA AVVF
VFFFLAEYGSIVLMCILTILFIGGYLLFEISYVFTVVNYIFFELFFIDVTFVEVQSLYTDFLNNSIIE
GLLYGFNLGLKSSLMIFTFIARASFPRIKFDQLMGFCTVLLPINFAIILVPCVLYSFNLLPVNIPLF
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>YN161

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VCWNRGFVKLRQKTKKPTKGLMGSYKKMITYIYSYYIFTITRIIYIYIILLYIKIIIRYNYSILLY
KNIYPIINFIFLIIFFYIMLTHLQMKRTKYCCYSSGYRKIFLYYFLGGSFSVRGYMDGRRVFIL
MNSGFKLTLFMNLNYYINVGYDRIMYSLRVKRDTPTYNTYWFRVEYIYLRVKNIYIQYIINIVI
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LIHWFFDSKKRVNNFLDQKYYFLQKAYAFHFFDKQLLLIFGCLLVLTITKFFQFLYKFKEYKVIH
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LLSFSCIYTEEVYITDHIELLVLFELLVLLYYWLSVSVMFYLMDRCHYEVLQLLLILLVLYLEGKI
LLNSFEVVFLIMPLTDFLHYILYCLLYLLFCTLHFMILLVQAILLVFQVITIELHLLHIFYLKILLF
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KKNYGYAKKIRSCCRLLWTIASICCLKTFIKRICSSYTIYCSFLFRSCNNFNFCIIRLRCTLWSW
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YISKSYLIYTTFISCVYNIFHRIYSDKSSFFSRGPANLVWSGYMSQIARKPFYFKNKRQLAGNLIP
NKYIIKLFIDTQFNIYIYLFYIMIKDIVNHRCESTKKKHMGTPLGESELVSGFMTEHA AVVF
VFFFLAEYGSIVLMCILTILFIGGYLLFEISYVFTVVNYIFFELFFIDVTFVEVQSLYTDFLNNSIIE
GLLYGFNLGLKSSLMIFTFIARASFPRIKFDQLMGFCTVLLPINFAIILVPCVLYSFNLLPVNIPLF

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LGYINKKFVNFFHHFLIQNTNF

>YN166

ITILKNIKSYIKIIHLYSINLKGIFSILYLVLFFFSLQVFLLLGSLLNRWYARLLIKVISFYLLQYLV
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LYFCFSLFTFRFRNIINFPRSVWCWYLSFSYFNFYSYNNYRIYIIRKRSNRQQTKIYTIERLPYR
VCWNRGFKLRQKTKKPTKGLMGSYKKMITYIYSYIIFTITRIIYIYIILLYIKIIIRYNYSILLY
KNIIYPIINFIFFLIIFFYIMLTHLQMKRTKYCCYSSGYRKIFLYYFLLLGSFSVRGYMDGRRVFIL
MNSGFKLTLFMNLNynyINVGyDRIMYSLRVKRDTPTYNTYWFRVEYIYLRVKNIYIQYIINIVI
YWYGLNQVYILSFDKHLFFYLLLLLYCEINNynIILHSTYLGILSYLAINDSNQILFSLVWNNDL
LIHWFFDSKKRVNNFLDQKYYFLQKAYAFHFFDKQLLLIFGCLLVLTITKFFQFLYKFKEYKVIH
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LLSFSCIYTEEVYITDHIELLVLFELLVLLYYWLSVSVMFYLMDRCHYEVLQLLLILLVLYLEGKI
LLNSFEVVFLIMPLTDFLHYILYCLLYLLFCTLHFMILLVQAILLVFQVITIELHLLHIFYLKILLF
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LLQIVDLEVYNLDHLVKLSEFLLISFCNVLNTLKIHLYYVNVLYYTLVILLYYLLVTHIVLIYLI
NLNYFIKLTKYIKIIIIYIFYLRYYSILGFQFIYIILCITLHLALANLLFPLVWNNDLLIHWFFESKK
EIRNIFLLLLILFLKNIHFALPFSCIKMNDIKNKYLNYSYVILSYIATHIRSCINTCTCLISCSLCYSC
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>YN179

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VCWNRGFKLRQKTKKPTKGLMGSYKKMITYIYSYIIFTITRIIYIYIILLYIKIIIRYNYSILLY
KNIIYPIINFIFFLIIFFYIMLTHLQMKRTKYCCYSSGYRKIFLYYFLLLGSFSVRGYMDGRRVFIL
MNSGFKLTLFMNLNynyINVGyDRIMYSLRVKRDTPTYNTYWFRVEYIYLRVKNIYIQYIINIVI
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LIHWFFDSKKRVNNFLDQKYYFLQKAYAFHFFDKQLLLIFGCLLVLTITKFFQFLYKFKEYKVIH
YNILTSMRHNQVTLVTCEILVHYLFVYKLLPVLHLCIIVLVWKLTTQSIEMITGDFVIYIVIQ
LLSFSCIYTEEVYITDHIELLVLFELLVLLYYWLSVSVMFYLMDRCHYEVLQLLLILLVLYLEGKI
LLNSFEVVFLIMPLTDFLHYILYCLLYLLFCTLHFMILLVQAILLVFQVITIELHLLHIFYLKILLF
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KKNYGYAKKIRSCCRLLWTIASICCLKTFIKRICSSYTIYCSFLFRSCNNFNFCIIRLRCTLWSW
FRDKRHEFRYILHVSCVIFSIRYSISWLKCEIRFSRFSKYSSINLINIKFSYINSNYDNRKFKFNCL
YISKSYLIYTTFISCVYNIFHRIYSDKSSFFSRGPANLVWSGYMSQIARKPFYFKNKRQLAGNLIP
NKYIIKLFIDTQFNIYIYLFYMIKDIVNHRCESTKKKHMGTPLLGESELVSGFMTEHAAVVF
VFFFLAEYGSIVLMCILTILFIGGYLLFEISYVFTVVNYIFFELFFIDVTFVEVQSLYTDFLNNSIIE
GLLYGFNLGLKSSLMIFTFIARASFPRIKFDQLMGFCTVLLPINFAIILVPCVLYSFNLLPVNIPLF
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>YN199

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LYFCFSLFTFRFRNIINFPRSVWCWYLSFSYFNFSYNNYRIYIIRKRSNRQQTKIYTIERLPYR
VCWNRGFVKLRQKTKKPTKGLMGSYKKMITYIYSYIFTITRIIYIYIILLYIKIIIRYNYSILLY
KNIIYPIINFIFLLIIFFYIMLTHLQMKRTKYCCYSSGYRKIFLYYFLFGSFSVRGYMDGRRVFIL
MNSGFKLTLFMNLNYYINVGYDRIMYSLRVKRDPTTYNTYWFRVEYIYLRVKNIYIYIINIVI
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LLSFSCIYTEEVYITDHIELLVLFELLVLLYYWLSVSVMFYLMDRCHYEVLQLLLILVLVYLEGKI
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VFFFLAEYGSIVLMCILTILFIGGYLLFEISYVFTVVNYIFFELFFIDVTFVEVQSLYTDFLNNSIIE
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>YN208

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VCWNRGFVKLRQKTKKPTKGLMGSYKKMITYIYSYIFTITRIIYIYIILLYIKIIIRYNYSILLY
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MNSGFKLTLFMNLNYYINVGYDRIMYSLRVKRDPTTYNTYWFRVEYIYLRVKNIYIYIINIVI
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LIHWFFDSKKRVNNFLDQKYYFLQKAYAFHFFDKQLLLIFGCLLVLTITKFFQFLYKFKEYKVIH
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VFFFLAEYGSIVLMCILTSLFIGGYLLFEISYVFTVVNYIFFELFFIDVTFVEVQSLYTDFLNNSIIE
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>YN220

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LLNSFEVVFLIMPLTDFLHYILYCLLYLLFCTLHFMILLVQAILLVFQVITIELHLLHIFYLKILLF
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VFFFLAEYGSIVLMCILTSLFIGGYLLFEISYVFTVVNYIFFELFFIDVTFVEVQSLYTDFLNNSIIE
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>YN226

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NDVWVLYWYNLYLAINEYDIIYRVCICYSYFIFSHFYICSSLSRKIYFRVWFPFFRAKNTIRYKI
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VCWNRGFVKLRQKTKKPTKGLMGSYKKMITYIYSYYIFTITRIIYIYIILLYIKIIIRYNYSILLY
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MNSGFKLTLFMNLNynyINvgYDRIMYSLRVKRDTPtyNTYwFRVEYIYLRVKNIYIqYIINIVI
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LIHWFFDSKKRVNNFLDQKYYFLQKAYAFHFFDKQLLLIFGCLLVLTITKFFQFLYKFKEYKVIH
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LLSFSCIYTEEVYITDHIELLVLFELLVLLYYWLSVSVMFYLMDRCHYEVLQLLLILLVLYLEGKI
LLNSFEVVFLIMPLTDFLHYILYCLLYLLFCTLHFMILLVQAILLVFQVITIELHLLHIFYLKILLF
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KKNYGYAKKIRSCRLWTIASICCLKTFIKRICSSYTIYCSFLFRSCNNFNFCIIRLRCYTLWSW
FRDKRHEFRYILHVSCVIFSIRYSISWLKCEIRFSRFSKYSSINLINIKFSYINSNYDNRKFKFNCL
YISKSYLIYTTFISCVYNIFHRIYSDKSSFFSRGPANLVWSGYMSQIARKPFYFKNKRQLAGNLIP
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VFFFLAEYGSIVLMCILTSILFIGGYLLFEISYVFTVVNYIFFELFFIDVTFVEVQSLYTDFLNNSIIE
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LGYINKKFVNFFHHFLIQNTN

>YN228

ITILKNIKSYIKIIHLYSINLKGIFSILYLVLFFFSLQVFLLLGSLLNRWYARLLIKVISFYLLQYLV
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VCWNRGFVKLRQKTKKPTKGLMGSYKKMITYIYSYYIFTITRIIYIYIILLYIKIIIRYNYSILLY
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MNSGFKLTLFMNLNynyINvgYDRIMYSLRVKRDTPtyNTYwFRVEYIYLRVKNIYIqYIINIVI
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LLSFSCIYTEEVYITDHIELLVLFELLVLLYYWLSVSVMFYLMDRCHYEVLQLLLILLVLYLEGKI
LLNSFEVVFLIMPLTDFLHYILYCLLYLLFCTLHFMILLVQAILLVFQVITIELHLLHIFYLKILLF
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EIRNIFLLLLILFLKNIHFALPFSCIKMNDIKNKYLNYSYVILSYIATHIRSCINTCTCLISCSLCYSC
KKNYGYAKKIRSCRLWTIASICCLKTFIKRICSSYTIYCSFLFRSCNNFNFCIIRLRCYTLWSW
FRDKRHEFRYILHVSCVIFSIRYSISWLKCEIRFSRFSKYSSINLINIKFSYINSNYDNRKFKFNCL
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VFFFLAEYGSIVLMCILTSILFIGGYLLFEISYVFTVVNYIFFELFFIDVTFVEVQSLYTDFLNNSIIE
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>YN232

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LYFCFSLFTFRFRNIINFPRSVWCWYLSFSYFNFYSYNNYRIYIIRKRSNRQQTKIIYTIERLPYR
VCWNRGFVKLRQKTKKPTKGLMGSYKKMITYIYSYIFTITRIIYIYIILLYIKIIIRYNYSILLY
KNIIYPIINFIFLLIIFFYIMLTHLQMKRTKYCCYSSGYRKIFLYYLFLLGSFSVRGYMDGRRVFIL
MNSGFKLTLMNLYNINVGYDRIMYSLRVKRDPTTYNTYWFRVEYIYLRVKNIYIQYIINIVI
YWYGLNQVYILSFDKHLFFYLLLLLYCEINNYNILHSTYLGILSYLAINDSNQILFSLVWNNDL
LIHWFFDSKKRVNNFLDQKYYFLQKAYAFHFFDKQLLLIFGCLLVLTITKFFQFLYKFKEYKVIH
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LLSFSCIYTEEVYITDHIELLVLFELLVLLYYWLSVSVMFYLMDRCHYEVLQLLLILLVLYLEGKI
LLNSFEVVFLIMPLTDFLHYILYCLLYLLFCTLHFMILLVQAILLVFQVITIELHLLHIFYLKILLF
LYLFLYVLLYSLCLMFGIVIIILWLILCKLLLLLYLNDTYYSMLFDLYLINYVLRCLVLFLLCY
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NLNYFIKLTKYIKIIYIFYLRYYSILGFQFIYIILCITLHLALANLLFPLVWNNDLLIHWFFESKK
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KKNYGYAKKIRSCCRLLWTIASICCLKTFIKRICSSYTIYCSFLFRSCNNFNFCIIRLRCTLWSW
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YISKSYLIYTTFISCVYNIFHRIYSDKSSFFSRGPANLVWSGYMSQIARKPFYFKNKRQLAGNLIP
NKYIILKFIDTQFNIYIYLFYMIKDIVNHRCESTKKKHMGTPLGESELVSGFMTEHA AVVF
VFFFLAEYGSIVLMCILTILFIGGYLLFEISYVFTVNYIFFELFFIDVTFVEVQSLYTDFLNNIIIE
GLLYGFNLGLKSSLMIFTFIARASFPRIREFDQLMGFCTVLLPINFAIILVPCVLYSFNLLPVNIPLF
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LGYNKKFVNFFHHFLIQNTNF

>YN239

ITILKNIKSYIKIIHLYSINLKGIFSILYLVLFFFLLQVFLLLGSLNRWYARLLIKVISFYLLQYLV
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LYFCFSLFTFRFRNIINFPRSVWCWYLSFSYFNFYSYNNYRIYIIRKRSNRQQTKIIYTIERLPYR
VCWNRGFVKLRQKTKKPTKGLMGSYKKMITYIYSYIFTITRIIYIYIILLYIKIIIRYNYSILLY
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MNSGFKLTLMNLYNINVGYDRIMYSLRVKRDPTTYNTYWFRVEYIYLRVKNIYIQYIINIVI
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LLNSFEVVFLIMPLTDFLHYILYCLLYLLFCTLHFMILLVQAILLVFQVITIELHLLHIFYLKILLF
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FRDKRHEFRYLHVSCVIFSIRYSISWLKCEIRFSRFSKYSSINLINIKFSYINSNYDNRKFKFNCL
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NKYIIKLFIDTQFNIYIYLFYIMIKDIVNHRCESTKKKHMGTHLPLLGESELVSGFMTEHAAVVF
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>YN247

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NKYIIKLFIDTQFNIYIYLFYIMIKDIVNHRCESTKKKHMGTHLPLLGESELVSGFMTEHAAVVF
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>YN268

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VCWNRGFVKLRQKTKKPTKGLMGSYKKMITYIYSYIIFTITRIIYIYIILLYIKIIIRYNYSILLY
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MNSGFKLTLFMNLNNTYINVGYDRIMYSLRVKRDTPYNTYWFRVEYIYLRVKNIYIYIINIVI
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LLSFSCIYTEEVYITDHIELLVLFELLVLLYYWLSVSVMFYLMDRCHYEVLQLLLILLVLYLEGKI

LLNSFEVVFLIMPLTDFLHYILYCLLYLLFCTLHFMILLVQAILLVFQVITIELHLLHIFYLKILLF
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FRDKRHEFRYILHVSCVIFSIRYSISWLKCEIRFSRFSKYSSINLINIKFSYINSNYDNRKFKFNCL
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VFFFLAEYGSIVLMCILT SILFIGGYLLFEISYVFTVVNYIFFELFFIDVTFVEVQSLYTDFLNNSIIE
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>YN271

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LYFCFSLFTFRFRNIINFPRSV CWYLWSFSYFNFSYNNYRIYIIRKRSNRQQTKIIYTIERLPYR
VCWNRGFVKLRQKTKKPTKGLMGSYKKMITYIYSYYIFTITRIIYIYIILLYIKIIIRYNYSILLY
KNIYPIINFIFFLIIFFYIMLTHLQMKRTKYCCYSSGYRKIFLYYFLLG SFSVRGYMDGRRVFIL
MNSGFKLTLFMNLNYNYNVGYDRIMYSLRVKRDTPTYNTYWFRVEYIYLRVKNIYQYIINIVI
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VFFFLAEYGSIVLMCILT SILFIGGYLLFEISYVFTVVNYIFFELFFIDVTFVEVQSLYTDFLNNSIIE
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>YN283

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LYFCFSLFTFRFRNIINFPRSV CWYLWSFSYFNFSYNNYRIYIIRKRSNRQQTKIIYTIERLPYR
VCWNRGFVKLRQKTKKPTKGLMGSYKKMITYIYSYYIFTITRIIYIYIILLYIKIIIRYNYSILLY

KNIIYPIINFIFLIIFFYIMLTHLQMKRTKYCCYSSGYRKIFLYYLFLLGSFSVRGYMDGRRVFIL
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>YN311

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VCWNRGFKLRQKTKKPTKGLMGSYKKMITYIYSYIYFTITRIIYIYIILLYIKIIIRYNYSILLY
KNIIYPIINFIFLIIFFYIMLTHLQMKRTKYCCYSSGYRKIFLYYLFLLGSFSVRGYMDGRRVFIL
MNSGFKLTLFMNLNynyINvgYDRIMYSLRVKRDTPtyNTYWFRVEYIYLRVKNIYIQYIINIVI
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LLSFSCIYTEEVYITDHIELLVLFELLVLLYYWLSVSVMFYLMDRCHYEVLQLLLILLVLYLEGKI
LLNSFEVVFLIMPLTDFLHYILYCLLYLLFCTLHFMILLVQAILLVFQVITIELHLLHIFYLKILLF
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KKNYGYAKKIRSCCRLLWTIASICCLKTFIKRICSSYTIYCSFLFRSCNNFNFCIIRLRCTLWSW
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YISKSYLIYTTFISCVYNIFHRIYSDKSSFFSRGPANLVWSGYMSQIARKPFYFKNKRQLAGNLIP
NKYIIKLFIDTQFNIYIYLFYIMIKDIVNHRCESTKKKHMGTHLPLLGESELVSGFMTEHAAVVF
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GLLYGFNLGLKSSLMIFTFIARASFPRIKFDQLMGFCTVLLPINFAIIILVPCVLYSFNLLPVNIPLF
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>YN314

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LLSFSCIYTEEVYITDHIELLVLFELLVLLYYWLSVSVMFYLMDRCHYEVLQLLLILLVLYLEGKI
LLNSFEVVFLIMPLTDFLHYILYCLLYLLFCTLHFMILLVQAILLVFQVITIELHLLHIFYLKILLF
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>YN352

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VCWNRGFVKLRQKTKKPTKGLMGSYKKMITYIYSYIIFTITRIIYIYIILLYIKIIIRYNYSILLY
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LLNSFEVVFLIMPLTDFLHYILYCLLYLLFCTLHFMILLVQAILLVFQVITIELHLLHIFYLKILLF
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VFFFLAEYGSIVLMCILT SILFIGGYLLFEISYVFTV VNYIFFELFFIDVTFVEVQSLYTDFLNNSIIE
GLLYGFNLGLKSSLMIFTFIARASFPRI RFDQLMGFCTVLLPINFAI IILVPCVLYSFNLLPVNIPLF
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>YN355

ITILKNIKSYIKIIHLYSINLKGIFSILYLVL LLSLQVFLLLGSLLNRWYARLLIKVISFYLLQYLV
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VCWNRGFVKLRQKTKKPTKGLMGSYKKMITYIYSYIFTITRIIYIYIILLYIKIIIRYNYSILLY
KNIYPIINFIFLIIFFYIMLTHLQMKRTKYCCYSSGYRKIFLYYLFLLGSFSVRGYMDGRRVFIL
MNSGFKLTLFMNLN YNYINVGYDRIMYSLRVKRDTP TYNTYWFRVEYIYLRVKNIYIQYIINIVI
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LLNSFEVVFLIMPLTDFLHYILYCLLYLLFCTLHFMILLVQAILLVFQVITIELHLLHIFYLKILLF
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KKNYGYAKKIRSCRLW TIASICCLKTFIKRICSSYTIYCSFLFRSCNNFNFCIIRLRCTLWSW
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VFFFLAEYGSIVLMCILT SILFIGGYLLFEISYVFTV VNYIFFELFFIDVTFVEVQSLYTDFLNNSIIE
GLLYGFNLGLKSSLMIFTFIARASFPRI RFDQLMGFCTVLLPINFAI IILVPCVLYSFNLLPVNIPLF
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>YN358

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VCWNRGFVKLRQKTKKPTKGLMGSYKKMITYIYSYIFTITRIIYIYIILLYIKIIIRYNYSILLY
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>YN359

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>YN365

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VFFFLAEYGSIVLMCILTILFIGGYLLFEISYVFTVVNYIFFELFFIDVTFVEVQSLYTDFLNNSIIE
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>YN376

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VCWNRGFVKLRQKTKKPTKGLMGSYKKMITYIYSYIYFTITRIIYIYIILYIKIIIRYNYSILLY
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>YN390

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VCWNRGFVKLRQKTKKPTKGLMGSYKKMITYIYSYIFTITRIIYIYIILLYIKIIIRYNYSILLY
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>YN391

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>YN397

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>YN398

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NKYIILKFIDTQFNIIYILFIYMIKDIVNHRCESTKKKHMGTPLLLGESELVSGFMTEHA AVVF
VFFFLAEYGSIVLMCILTILFIGGYLLFEISYVFTVVNYIFFELFFIDVTFVEVQSLYTDFLNNSIIE
GLLYGFNLGLKSSLMIFTFIARASFPRIKFDQLMGFCTVLLPINFAIHLVPCVLYSFNLLPVNIPLF
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>YN406

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>YN410

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>YN427

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>YN435

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>YN442

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>YN455

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>YN460

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LLNSFEVVFLIMPLTDFLHYILYCLLYLLFCTLHFMILLVQAILLVFQVITIELHLLHIFYLKILLF
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>YN462

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>YN463

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>YN468

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>YN476

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>YN477

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>YN480

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MNSGFKLTLFMNLNNTYINVGYDRIMYSLRVKRDPTTYNTYWFRVEYIYLRVKNIYIYIINIVI
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>YN485

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VCWNRGFVKLRQKTKKPTKGLMGSYKKMITYIYSYIFTITRIIINIYIILLYIKIIIRYNYSILLY
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>YN487

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>YN541

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>YN544

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>YN554

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>YN557

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>YN561

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>YN634

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>YN643

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>YN651

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>YN657

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>YN690

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>YN714

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>YN716

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>Z-2

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