

>DM_train26

GLVPRGSHMMEILRGSPALSAFRINKLLARFQAANLQVHNIYAIEYVHFADLNAPLNDSEQAQLTRLL
QYGPALSSHTPAGKLLLVTPRPGTISPWSSKATDIAHNCGLQQVDRLERGVAYYIEASTLTAEQWRQV
AAELHDRMMETVFSSLTDAEKLFIHHQPAPVSSVDLLGEGRQALIDANLRLGLALAEDEIDYLQEAF
LGRNPNDIELYMFAQANSEHCRHKIFNADWIIDGKQPQKSLFKMIKNTFETTPDYVLSAYKDNAAV
EGSAVGRYFADHNTGRYDFHQEPAHILMKVETHNHPTAISPWPGAATGSGGEIRDEGATGRGAKPK
AGLVGFSVSNLRIPGFEQPWEEDFGKPERIVTALDIMTEGPLGGAAFNEFRPALTGYFRTYEEKVNS
HNHEELRGYHKPIMLAGGIGNIRADHVQKGEIVGAKLIVLGGPAMNIGLGGGAASSMASGQSDAD
LDFASVQRDNPEMERRCQEVIDRCWQLGDANPILFIHDVGAGGLSNAMPELVSDGGRGGKFELRDI
LSDEPGMSPLEIWCNESQERYVLAVAADQLPLFDELCKRERAPYAVIGDATEEQHLSLHDNHFDNQP
IDLPLDVLGKTPKMTRDVQTLKAKGDALNRADITIADAVKRVLHLPTVAEKTFLTIGDRVTGMVAR
DQMVGPWQVPVADCAVTTASLDSYGEAMSIGERAPVALLDFAASARLAVGEALTNIAATQIGDIKR
IKLSANWMAAAGHPGEDAGLYDAVKAVGEELCPQLGLTIPVGKDSMSMKTRWQEGNEQREMTSPL
SLVISAFARVEDVRHTLTPQLSTEDNALLLIDLKGNALGATALAQVYRQLGDKPADVRDVAQLKG
FYDAMQALVAARKLLAWHDRSDGGLLVLAEMAFAGHCGVQVDIAALGDDHLAALFNEELGGVIQ
VRAEDRDAVEALLAQYGLADCVHLYGQALAGDRFVITANDQTVFSESRTTLRVWVAETTWQMQR
LNDNPQCADQEHEAKANDTDPGLNVKLSFDINEDIAAPYIATGARPKVAVLREQGVNSHVEMAAAFH
RAGFDAIDVHMSDLLGGRIGLGNFHALVACGGFSYGDVLGAGEGWAKSILFNHRVRDEFETFFHRPQ
TLALGVCNGCQMMSNLRELIPGSELWPRFVRNHSDRFEARFSLVEVTQSPSLLLQGMVGSQMPIAVS
HGEGRVEVRDDAHLAALESKGLVALRYVDNFGKVTETYPANPNGSPNGITAVTTENGRVTIMMPHP
ERVFRVANSWHPENWGEDSPWMRIFRNARKQLG

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>DM_train27

MANVWGVRLADSLSSPTIETRRQYTLHDLCSDLNANPGREPWKPLRNQRTNNIVAVQLFRPLQGL
VLDTQLYGFPGAFDDWERFMREKLRVLKYEVLRIYPISNYSNEHVNVFVANALVGAFLSNQAFYDLLP
LLIINDTMIGDLLGTGASLSQFFQSHGDVLEVAAGRKYLQMENYSNDDDDPPLFAKDLSYAKAFYS
DTYEVLDRFFWTHDSSAGVLVHYDKPTNGHHYLLGLTQMVSAPPYIINATDAMLLESCLEQFSANV

IKTWVQEYVPLYARDDVKNSELQHWWKEAVEKGHGDLDKDPWWPKLQTLLEDLVEVCLIIWIA
SALHA AVNFGNYPYGGIMNRPTASRRLLPEKGTPEYEEMINNHEKAYLRTITSKLPTLISLSVIEILSTHA
SDEVYLGRDNPHTSDSKALQAFQKFGNKLKEIEEKLVRNRNDPSLQGNRLGPVQLPYTLLYPSSE
EGLTFRGIPNSISI

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>DM_train52

GCPNDRITLPPANAQRNMTCHFCIVGCGYHVYKWPELEEGGRAPEQNALGLDFRKQLPPLASTLTP
AMTNVVTEHDGARYDIMVVPDKACVVNSGLSSTRGGKMASYMYTPTGDGKERLSAPRLYA ADEWV
DTTWDHAMALYAGLIKTLSDSGPQGVPFFSCFDHGGAGGFENTWGTGKLMFSAIQTPMVRINHNR
PAYNSECHATREMGIGELNNAYEDAQLADVIWSIGNNPPYESQTNFLNHWLPNLQGATTSKKKERF
PNENFPQARIIFVDPRETPSVAIARHVAGNDRVHLAIEPGTDALFNLFTYVVEQGWIDKPFIEAHT
KGFDDAVKTNRLSLDECSNITGVPVDMVKRAAEWSYKPKASGQAPRTMHAYEKGIWGNNDNYVIQS
ALLDLVIATHNVGRRGTGCVRMGHGHQEGYTRPPYPGDKKIYDQELIKGGRIMTWWGCNNFQTSN
NAQALREALQRSIVKQAMQKARGATTEEMVDVIYEATQNGGLFVTSINLYPTKLAEAAHLMLPAA
HPGEMNLTSMNGERRIRLSEKFMDDPPGTAMADCLIAARIANALRDMYQKDGKAEMAAQFEGFDW
KTEEDAFNDGFRRAGQPGAPIDSQGGSTGHLVTDRLRKSNGVQLPVVSWDESKGLVGTEML
YTEGKFDTDDGKAHFAPWNGLPATVQQKDKYRFWLNNGRNNEVWQTAYHDQYNSLMQER
YPMAYIEMNPDCKQLDVTGGDIVEYVNDFGSTFAMVYPVAIEIKRGQTFMFLGYVNGIQGDVTTD
WTDRIIPYKGTWGDIRKVGSMSEFKRTVSFKSRRFG

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>DM_train54

SEHPQPVTQTIEKSVNTALNKNYVFNKADYQYTLTNPSLGKIVGGILYPNATGSTTVKISDKSGKIIKEV
PLSVTASTEDNFTKLLDKWNDVTIGNYVYDTNDSNMQKLNQKLEDTNKNIEAIKLDNRFTLWKDL

TWAETMGLNTADTARLNANIRYVNTGTAPIY NVLP TTSVLGKNQTLATIKAKENQLS QILAPNNYYP
SKNLAPIALNAQDDFSSTPITMNYNQ FLELEKTKQLRLD TDQVYGN IATYNFENG RVRVD TGSNWSE
VLPQIQETTARIIFNGKDLNLVERRIA AVNPSDPLETTKPDM TLKEALKIAFGFNENGNLQYQGKDITE
FDNFQDQTSQNIKNQLAELNATNIYTVLDKIKLNAKMNILIRDKRFHYDRNNIAVGADES VVKEAHR
EVINSSTEGLLL NIDKDIRKILSGYIVEIEDTEGLKEVINDRYDMLNISSLRQDGKTFIDFKKYNDKLP LYSIS
NPNYKVN VYAVTKENTIINPSENGDTSTNGIKKILIFSKKGYEIG

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>DM_train73
MAPSLDSISHSFANGVASAKQAVNGASTNLAVAGSHLPTTQVTDIVEKMLAAPT DSTLELDGYSL
NLGDV VSAARKGRPV RVKDSDEIRSKIDKSVEFLRSQLSMSVYGVTTGFGGSADTRTEDA ISLQKALLE
HQLCGVL PSSFDFSRLRGRLENSLPLEVV RGAMTIRVNSLRGHS AVRLV VLEALTNFLNHGITPIVPLR
GTISASGDLSPLSYIAA AISGHPDSKVHV VHEGKEKILYAREAMALFNLEPVV LGPKEGLGLVNGTAVS
ASMATLALHDAHMSL LSQSLTAMTVEAMVGHAGSFHPFLHDVTRPHPTQIEVAGNIRK LLEGSRFA
VHHEEEVKVKDDEGILRQDRYPLRTSPQWLGLVSDLIHAHAVLTIEAGQSTTDNPLIDVENKTS HHG
GNFQAAAVANTMEKTRLG LAQIGKLNFTQLTEMLNAGMNRGLPSCLAAEDPSLSYHCKGLDIAAAA
YTSELGHLANPVTTHV QPAEMANQAVNSLALISARRTTESNDVLSLLLATHLYCVLQAIDLRAIEFEFK
KQFGPAIVSLIDQHFGS AMTGSNLRDELVEKV NKTAKRLEQTNSYDLVPRWHD AFSAAGTVVEVL
SSTSLSLAAVNAWKVAAEAISLTRQVRETFWSAASTSSPALS YLSPRTQILYAFVREELGVKARRGD
VFLGKQEV TIGSNVSKIYEAIKGRINNVL LKMLA

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>DM_train74
QNVSLQPPPQQLIVQNKTIDLPAVYQLNGGEEANPHAVKVLKELLSGKQSSKKGMLISIGEKGDKSVR
KYSRQIPDHKEGYLSVNEKEIVLAGN DERTYALQTF AQLLKGDKLPEVEIKDYPSVRYRGVVEGFY
GTPWSHQARLSQLK FYGKNKMNTYIYGP KDDPYHSAPNWRLPYDKEAAQLQELVAVANENEVDF
VWAIHPGQDIKWNKEDRD LLLAKFEKMYQLGVR SFVFFDDISGEGTNPQKQAELLNYID EKFAQVK
PDINQLVMCPTEYNKWSNPNGNYLTTLGD KLNP SIQIMWTGDRVISDITRDGISWINERIKRPAYIW

FWNGDYVQHLPAYSFNVRMVSKRTRRSESGNKENLLGRYLS DGATNIQLRGPEYYNIMPVWEWD
KIPGITSRDYLTDRPLTKLWGEQGSNDFAGGVSDGVYGASAYALDYDSLQAKKAWFFF DKEIVCLGA
GINSNAPENITTLNQSWLNGPVISTAGKTGRGKITTFKAQGGQFWLLHDAIGYYFPEGANLSLSTQSQ
KGNWFHINNSHSHKDEVSGDVFKLWINHGARPEN AQYAYIVLPGINKPEEIKKYNGTAPKVLANTNQL
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KTNRVKIDFPQQEFAGATVELK

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>DM_train79
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TTDAFPSFRTL DAGRGLVVLFTQGGLVGF DMLARKVTYL FDTNEETASLDFSPV GDRVAYVRNHNLYI
ARGGKLGEGMSRAIAV TIDGTETLVY GQAVHQR EFGIEKGTFWSPKGSCLAFYRMDQSMVKPTPIVD
YHPLEAESKPLYYPMA GTPSHHVTVG IYHLATGKT VYLQ TGEPKEKFLTNLSWSPDENILYVAEVNRA
QNECKVNAYDAETGRF VRTL FVETDKHYVE PLHPLTFLPGSNNQFIWQSRRDGWNHLYLYD TTGRLI
RQVTKGEWEVTNFAG FDKGTRLYFE STEASPLERH FYCIDIKGGKTKD LTPESGMHRTQLSPDGSAIL
DIFQSPTVPRKVTV TNIGKGSHTLLEAKNP DTGYAMPEIR TGTIMAADGQTPLYKLT MPLHFDPAK
YPVIVYVYGGPHAQL VTKTWRSSVGGWDIYMA QKGYAVFTVDSRGSANRGA AFEQVIHRRLGQTE
MADQMCVDFLKSQSW VDA DRIGVHGWSYGGFM TTNLMLTHG DVFVKGVAGG PVIDWNR YAI
MYGERYFDAPQENPE GYDAANLLKRAGDLKGR LMLIHGAIDP VVVWQHSLLFLD ACVKARTY PDYY
VYPSHEHNV MGPDRVHLYETITRYFDHL

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>DM_train83
MAEELVLERCDLELET NGRDHHTADLCREK LVVRRGQPFW LTLHFEGRN YQASVDSL TFSVVTGPAP
SQEAGTKARFPLRDA VEEDWTATVVD QDCTLSL QLTPANAPIGLY RLSLEASTGY QGSSVFLGH
FILLFNAWCPADAVY LDSEERQEYVLTQQ GFIYQGS AKFIKNIPWN FNGQFQD GILDICLILLD VNP KFL
KNAGRDCSRRSSPV YVGRV GSGMVNCNDD QGVLLGR WDN NYGDGVSP MSWGVSVDIL RRRWKNH
GCQRVKYGCWVF AAVACTVLRCLGIP TRVVTNYNSA HDQNSNLLIEYFR NEFGEIQGD KSEMIWN

FKPLDGQFRENVILQIKNGPMDQVREPVSPLFGAMPKTNQMMEVQITQEYTGQQKHLICFLIPQWK
EVLDFDQYAKGKGSEVKKVIDGSLFDYRYSIAGVSNIGSDPNWTGHTLAQANLYGFGRLAWNPDL
AEEIANEWVWVQTFGDSDSQVETISWMLLSSWRIENYTSPLGVGWMVNPGHYGPNDVGYEYSH
WGTYHYADRDGIGVDRTVATGTGYTAQYFPENAAHYSLDTCPEDELLFFHHVVPYTHRLHSGETVIQ
HIYNTHFEGVEQAKQLRKRWELKQKIDKRYHDVLERLTIQVEHAKEWDRDINTYFYRKSGIDDQYG
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SAPGEDEECGRVRDFVAKLANNTHQHVFDLDRGSVLSWVGDESTGVILVLTFFHVPLVIMTFGQSKL
YRSEDYGKNFKDITDLINNTFIRTEFGMAIGPENSGKVLTAEVSGGSRGGRIFRSSDFAKNFVQTDLPF
HPLTQMMSYPQNSDYLLALSTENGLWVSKNFSGKWEIHKAVCLAKWGSNTIFFTTYANGSCKAD
LGALELWRTSDLGKSFKTIGVKIYSFGLGGRFLFASVMADKDTTRRIHVSTQDGTWSMAQLPSVGQ
EQFYSILAANDDMVFMHVDPEGDGTGFTGTFSDDRGIVYSKSLDRHLYTTTGGETDFTNVTSLRGVYIT
SVLSEDNSIQTMITFDQGGRWTHLRKPENSECDAKKNKNECSLHIHASYISQKLNVPMAPLSEPNA
VGIVIAHGSVGDASVMVPDVYISDDGGYSWTKMLEGPHYTILDSGGIIVAIHSSRPINVIKSTDEG
QCWQTYTFRDPYFTGLASEPGARSMNISIWGFTEFLTSQWVSYTIDFKDILERNCEEKDYTIWLAH
STDPEYEDGCILGYKEQFLRLRKSSMCQNGRDYVVTKQPSICLCSLEDFLCDFGYRPPENDSKCVEQ
PELKGHDLEFCLYGREEHLTTNGYRKIPGDKCQGGVNPVREVKD LKKKCTSNFLSPEKQNSKNSNS

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MVKS RKISILLAVAMLVSIMIPPTAFAGPTKAPTKDGT SYKDLFLELYGKIKDPKNGYFSPDEGIPYHSIET
LIVEAPDYGHVTTSEAFSYYVWLEAMYGNLTGNWSGVETAWKVMEDWIIPDSTEQPGMSSYNPNP
ATYADEYEDPSYYPSELKFDTVRVGSDPVHNDLV SAYGPNMYLMHWLMDVDN WYGFGTGTRATFI
NTFQRGEQESTWETIPHPSIEEFKYGGPNGFLDLFTKDRSYAKQWRYTNAPDAEGRAIQAVYWANK
WAKEQKGKGSAVASVSKAAKMGDFLRNDFDKYFMKIGA QDKTPATGYDSAHYLMAWYTAWGG
GIGASWAWKIGCSHAHFGYQNPFGWVSATQSD FAPKSSNGKRDWTTSYKRQLEFYQWLQSAEG

LPLQKPLVNNWPCNPELTIAHLPDRREIISFGSGYGGNSLLGKCKFALRMASRLAKEEGWLAEHMLV
LGITNPEGEKKYLAAAFPSACGKTNLAMMNPSLPGWKVECVGDDIAWMKFDAQGHLRAINPENGF
FGVAPGTSVKTNPNAIKTIQKNTIFTNVAETSDGGVYWEGIDEPLASGVTITSWKNKEWSSEDGEPCA
HPNSRFACTPASQCPIIDAAWESPEGVPIEGIIIFGRRPAGVPLVYEALSWQHGVFVGAAMRSEATAAA
EHKGKIMHDPFAMRPFPGYNFGKYLAWLSMAQHHPAAKLPKIFHVNWFRKDKEGKFLWPGFGENS
RVLEWMFNRIDGKASTKLTPIGYIPKEDALNLKGLGHINMMELSISKEFWDKEVEDIEKYLVLDQVNAD
LPCEIEREILALKQRISQM

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STIRIGGAANQTPIDWENNVKNILDAIEEAKNANVEILCLPELCITGYGCEDLFLTDWVAETAIEYCFEI
AASCTDITVSLGLPMRIAGITYNCVCLVENGIVKGFSAKQFLANEGVHYETRWFTA WPRNH TTTFLYN
DVKYPFVDVLYNVKDARIGFEICEDAWRTDRVIRHYEKGATLVLNPSASHFAFGKSAIRYDLVIGGSE
RFDCTVYVANLLGNEAGRMIYDGEVLIAHKGKLIQRNDRLSFKNVNLIYADIATDSAETPETVLTQDDL
EKEFEFWWEATSLGLFDYMRKSRSKGFVLSLGGADSSACAIMVAEMIRKGLKELGLTAFLQKSNMETLF
DLPALQHLPFEEQAKKITAVFLTAYQSTRNSGDETYTSAKTLAESIGATFYNWSVDEEIEQYKATIENVI
ERPLTWEKDDITLQNIQARGRAPIIWMLTNVKQALLITTSNRSEGDVGYATMDGD TAGGI APIAGV DK
DFIRSWLRWAEKRNQHGHLHIVNKLAPTAELRPSEYQTDERDLMPYDVLARIERKAIKERLSPVQVY
TALLTEGPYTKNEFKYWVKFFRLWSINQWKRERLAPSFHMDDFNIDPRSWYRFPILSSGF AKELNDL
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>DM_train115

MYGWWGRILRVNLTGGEVKVQEYPEEVAKKFIGGRGLAAWILWNEARGVEPLSPENKLIFAAGPFNG
LPTPSGGKLVAASPLTGGYDGNLGTMASVHLRRAGYDALVVEGKAKKPVIYIEDDNVSILSAEG
LWGKTFETERELKEIHGKNVGVLTIGPAGENLVKYAVVISQEGRAAGRPGMGAVMGSKKLKAVVIRG
TKEIPVADKEELKKSQEAYNEILNSPGYPFWKRQGTMAAVEWCNTNYALPTRNFSDGYFEFARSIDG
YTMEGMKVQQRGCPYCNMPCGNVVLDAEGQESELDYENVALLGSNLGIGKLNESVLNRIADEMG
MDTISLGSVIAHVMEAVEVERGILKEGPTFGDFKGAQLALDIAYRKELGNLAAEGVKAMA EKLGHDF
AMHVKGLEVSANCYIYPAMALAYGTSIAGAHHKEAWVIAWEIGTAPIEGEKA EKVEYKISYDPIKAQK

>DM_train122

MALKTAVHEKIMNDVVLAVKKNAEWKVLIVDQLSMRMVSACCKMHEIMSEGITLVEDINRRREPLPL
LEAVYLITPTEESVKCLMADFQNPDPNQPYRGAHIFTEACEPELKFELCKSTTARFIKTLKEINIAFLPYES
QIFSLDSPDTFQVYYNPSRAQGGIPNKERCAEQIATLCATLGEYPSVRYRSDFDENASFAQLVQQKLD
AYRADDPTMGEGPQKDRSQQLLILDRGFDPISELLHELTFQAMAYDLLPIENDVYKYVNTGGNEVPEKE
VLLDEKDDLWVEMRHQHIAVVSQNVTKKLQFADEKRMGTAADKAGIKDLSQMLKKMPQYQKELS
KYSTHLHLAEDCMKQYQQHVDKLCKVEQDLAMGTDADGKIRDHMRNIVPILLDQKISAYDKIRIILL
YIIHKGGISEENLAKLVQHAHIPAEKWIINDMQNLGVPDIQDGGRRKIPQPYHHTNRKERQADHTYQ
MSRWTPYMKDIMEAAVEDKLDTRHYPFLNGGGPRPSCQQPVSVRYGHWHKDKGQASYKSGPRLIIF
VVGISYSEMRSAYEVTQTAKNNWEVILGSTHILTPEGLLRDLRKISNP

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IETGYTPIDISLSLTQFLSEFVPGAGFVLGLVDIIWGIFGPSQWDAFLVQIEQLINQRIEFARNQAISRLE
GLSNLYQIYAESFREWEADPTNPALREEMRIQFNDMNSALTTAIPLLAVQNYQVPLLVSVVQAANLH
LSVLRDVSVFGQRWGFDAATINSRYNDLTRLIGNYTAVRWYNTGLERWGPDSRDWVRYNQFR
RELTLTVLIVALFSNYDSRRYPIRTVSQLTREIYTNPVLENFDGSGFRGMAQRIEQIRQPHLMDILNSIT
IYTDVHRGFNYWGHQITASPVGFGSPEFAFPLFGNAGNAAPPVLVSLTGLGIFRTLSSPLYRRILGSG
PNNQELFVLDGTEFSASLTTNLPSTIYRQRGTVDSLDVIPPQDINSVPPRAGFSHRSLHVTMLSQAAG
AVYTLRAPTFSWQHRSAEFNNIIPSSQITQIPLTKSTNLGSGTSVVKGPFTGGDILRRTSPGQISTLRV
NITAPLSQRYRVIRYASTTNLQFHSTIDGRPINQGNFSATMSSGSNLQSGSFRTVGFTHPFFSNGSS
VFTLSAHVFNSGNEVYIDRIEFVPAEVTFEAEYDLER

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>DM_train125

DAHKSEVAHRFKDLGEENFKALVLIAFAQYLQCPFEDHVKLNEVTEFAKTCVADESAENCDKSLHT
LFGDKLCTVATLRETYGEMADCCAKQEPPERNECFQHKDDNPNLRLVRPEVDMCTAFHDNEETF
LKKYLYEIARRHPYFYAPELFFAKRYKAATFECCQAADKAAACLLPKLDELREDEGKASSAKQRKLCASLQ
KFGERAFKAWAVARLSQRFPAEFAEVSCLVDTLTKVHTECCHGDLLCADDRADLAKYICENQDSIS
SKLKECCEKPLLEKSHCIAEVENDEMPADLPSLAADFVESKDVCKNYAEAKDVFLGMFLYFYARRHPD
YSVLLLLRLAKTYETTLEKCCAAADPHECYAKVFDEFKPLVEEPQNLKQNCLEFELGQYKFNALLVR
YTKKVPQVSTPTLVEVSRNLGKVGSKCKHPEAKRMPAEDYLSVVLNQLCVLHEKTPVSDRVTKCCT

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>DM_train129

MVSKIRTFGWVQNPQKFENLKRVVQVFDNRNSKVHNEVKNIKIPLTVKESKIQKELVAIMNQHDLIITY
KELVGTGTSIRSEAPCDAIQATIADQGNKKGIDNWSSDGLRWAHALGFIEYINKSDSFDVITDVGLAY
SKSADGSAIEKEILIEAISSYPPAIRILTLEDGQHLTKFDLGKNLGFSGESGFTSLPEGILLDTLANAMPKD
KGEIRNNWEGSSDKYARMIGGWLDKGLVKQGKKEFIPTLGKPDNKEFISHAFKITGEGKLVRRRAGK
STKFTRVPRVYWEMLATNLDKEYVRRRALILELIKAGSLKIEQIQDNLKKLGDFEVIETIENDIKGLIN
TGIFIEIKGRFYQLKDHLQFVIPNRLGKPDLVKSELEEKSELRHKLKYPHEIYELIEIARNSTQDRILEMK
VMEFFMKVYGYRGKHLGSRKPDGAIYTVGSPIDYGVVDTKAYSGGYNLPIGQADEMQRYVEENQT
RNKHINPNEWVKVYSSVTEFKFLVSGHFKGNKYKAQLTRLNHITNCNGAVLSVEELLIGGEMIKAGT
LTLEEVRRKFNNGEINF

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SMSYTWGALITPCAAEESKLPINALSNSLLRHNMVYATTSRSAGLRQKKVTFDRLQVLDLDDHYRDV
LKEMKAKASTVAKALLSVEEACKLTPPHSAKSKFGYGAKDVRNLSSKAVNHIHSVWVDLLEDVTPIDT
TIMAKNEVFCVQPEKGRKPARLIVFPDLGVRVCEKMALYDVVSTLPQVVMGSSYGFQYSPGQRFVEF
LVNTWKSCKNPMGFSDYTRCFDSTVENDIRVEESIQCCDLAPEARQAIKSLTERLYIGGPLTNSKGQ
NCGYRRCRASGVLTTSCGNTLTCYLKASAACRAAKLQDCTMLVNGDDLVICESAGTQEDAASLRV
FTEAMTRYSAPPDPPQPEYDLELITSCSSNVSAHSDASGRVYVYLTRDPTTPLARAAWETARHTPVN
SWLGNIIYAPTLWARMILMTHFFSILLAQEQLEKALDCQIYGACYSIEPLDLPQIIRLHGLSAFSLHSY
SPGEINRVASCLRKLGVPPLRVWRHRARSVRARLLSQGGRAATCGKYLFNWAVKTKLKLTPIPAASQL
DLSGWVWVAGYSGGDIYHLSLRARPRGSHHHHHH

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GSNQSSSTSTKCLKAGNFDVAYQNPDKAIKGGNLKVAYQSDSPMKAQWLSGLSNDATFATMSGPG
GGQDGLFFDTSKFKIKGAADVALDKESKTATITLRKDLKWSGSEVTAKDYEFTYETIANPAYGSDR
WTDLANIVGLSDYHTGKAKTISGITFPDGENGVKIKVQFKEMKPGMTQSGNGYFLETVPYQYLK
VAPKDLASSPKTTTTKPLVTPFKPENVVAGESIKVYPNPYYWGEKPKLNSITYEVVSTAKSVAALSSSKY
DIINGMVSSQYKQVKNLKGKVLGQQAMYISLMMYYNLGHYDAKNSINVQDRKTPLDQDQNVNQAIG

KQPVAVIVTSGTAVANLYPALIEAGLTGKLLILTADRPELIDCGANQAIKQGMFASHPTHISISLPRP
TQDIPARWLSTIDHALGLHAGGVHINCPFAEPLYGEMDDTGLSWQQRLGDWWQDDKPWLREA
PRLESEKQRDWFWRQRKGVVVAGRMSAEAGKVALWAQTLGWPLIGDVLSQTGQPLPCADLWL
GNAKATSELQQAQIVVQLGSSLTGKRLLQWQASCEPEEYWIVDDIEGRDPAHHRGRRLIANIADWL
ELHPAEKRQPWCVEIPRLAEQAMQAVIARRDAFGEAQLAHRICDYLPQQQLFVGNSLVVRLIDALS
QLPAGYPVYSNRGASGIDGLLSTAAGVQRASGKPTLAIVGDLALYDLNALLRQVSAPLVLVVNN
NGGQIFSLLTPQSERERFYLMQNVHFEHAAAMFELKYHRPQNWQELETAFAFADAWRPTTTTIVM
VVNDTDGAQTLQQLLAQVSHL

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MKRSKRFAVLAQRPNVDGLIGEWPEEGLIAMDSPFPVSSVKVDNGLIVELDGKRRDQFDMIDRFI
ADYAINVERTEQAMRLEAVEIARMLVDIHVSREEIIAITTAIPAKAVEVMAQMNVVEMMALQKMR
ARRTPSNQCHVTNLKDNVPVQIAADAAEAGIRGFSEQETTVGIARYAPFNALALLVGSQCGRPGVLTQ
CSVEEATELELGMRLTSSYAEVTVSVYGTEAVFTDGDTPWSKAFLASAYASRGLKMRYTSGTGEAL
MGSSESMSMLYLESRCIFITKGAGVQGLQNGAVSCIGMTGAVPSGIRAVLAENLIASMLDLEVASAND
QTFSHSDIRRTARTLMQLPGTDFIFSGYSAPVNYDNMFAGSNFEDAEDFDDYNILQRDLMVDDGGLR
PVTEAETIAIRQKAAARAIQAVFRELGLPPIADEEVEAATYAHGSNEMPPRNVEDLSAVEEMMKRNIT
GLDIVGALSRSKFEDIASNILNMLRQRVTGDYLTQTSAILDRQFEVVSAVNDINDYQGGPGTGYRISAER
WAEIKNIPGVVQPDTE

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>DM_train147

ANFNVKLGVPVAAVFDIDNVPEDSSATGSRWLPSIYQGGNYWGGGPQALHAQVSNFDSSNRLP
YNPRTEENPAGNCAFANPFGQYISNISSAQSVHRRYIGIDLNDEPLFSPNAASITNGGNPTMSQDT
GYHNIGPINTAYKAEIFRPVNPLPMSDTAPDPETLEPGQTEPLIKSDGVYSNSGIASFIFDRPVTEPNP
WPPLPPPVIPIIYPTPALGIGAAAAYGFGYQVTVYRWEEIPVEFIADPETCPAQPTTDKVIIRTTDLNPEG
SPCAYEAGIILVRQTSNPMNAVAGRLVPYVEDIAVDIFLTGKFFTLNPPLRITNNYFADDEVKENTVTIG
NYTTTLSSAYYAVYKTDGYGGATCFIASGGAGISALVQLQDNSVLDVLYSLPLSLGGSKAAIDEWVA
NNCGLFPMSGGLDKTTLLEIPRRQLEAINPQDGPQYDLFILDDSGAYASFSSFIGYPEAAYYVAGAAT
FMDVENPDEIIFILRNAGAWYACEIGDALKIADDEFDSVDYFAYRGGVMFIGSARYTEGGDPLPIKYRAI
IPGLP

MGDYDIPTTENLYFQGMTDLNKLKELNDLGLTDVKEIVYNPSYEQLFEEETKPGLEGFDKGLTTLGA
VAVDTGIFTGRSPKDKYIVCDETTKDTVWWNSEAAKNDNKPMQTETWKSRELVAKQLSGKRLFVVE
GYCGASEKHRIQVGMVTEVAWQAHFVKNMFRPTDEELKNFKADFTVLNGAKCTNPNWKEQGLNS
ENFVAFNITEGIQLIGGTWYGGEMKKGMFSMMNYFLPLKGVASMHCSANVGKGDVAIFFGLSGTG
KTTLSTDPKRQLIGDDEHGWDESGVFNFEGGCYAKTINLSQENEPDIYGAIRRDALLENVVVRADGSV
DFDDGSKTENTRVSYPIYHIDNIVRPVSKAGHATKVIFLTADAFGLVPPVSKLTPEQTEYYFLSGFTAKLA
GTERGVTEPTPTSACFGAAFLSLHPIQYADVLVERMKASGAEAYLVNTGWNGTGKRISIKDTRGIIDAI
LDGSIEKAEMGELPIFNLAIPKALPGVDPALDPRDITYADKAQWQVKAEDLANRFVKNFVKYTANPEA
AKLVGAGPKA

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>DM_train152

MSALLKPHKDLPRRTVLIVVMDGLGIGPEDDYDAVHMASTPFMDAHRDRNRHFRCVRAHGTAVG
LPTDADMGNSEVGHNALGAGRVALQGASLVDDAIKSGEYITGEGYRYLHGAFSKEGSLHLIGLLSDG
GVHSRDNQIYSIIHAHKDGAKRIRVHALYDGRDVPDGSFRFTDELEAVLAKVRQNGCDAAIASGG
GRMFVTMDRYDADWSIVERGWRAQVLGDARHFHSAKEAITTFREEDPKVTDQYPPFVIVDEQDKP
LGTIEDGDAVLVCNFRGDRVIEMTRAFEDDFNKFDRVRVPKVRVYAGMMRYDGDGIPNPNFLVPPP
LTRVSEEYLCGSLNIFACSETQKFGHVTFYFWNGNRSGKIDKHEHETFEVPSDRVQFNEKPRMQSAAI
TEAAIEALKSGMYNVVRINFPNGDMVGHTGDLKATITGVEAVDESLAKLKDVAHSVNGVYIVTADHG
NSDDMAQRDKKGGKPMKDGNGNVLPLTSHLSPVPVFIGGAGLDPRVAMRTDLPAAGLANVTATFI
NLLGFEAPEDYEPSLIYVEK

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>DM_train153

MSDMEKPWKEEEKREVLGARRQAPQAVDKGPVTGDQRISVTVLRRQRGDELEAHVERQAALA
PHARVHLEREAFAASHGASLDDFAEIRKFAEAHGLTDRAHVAAGTAVLSGPVDAVNQAFGVLRHF
DHPDGSYRSYVGDVRVPASIALPIEAVLGLDTRPVARPHFRLRRRAEGEFEARSSQAAPTAYTPLDVA
QAYQFPEGLDGGQCIHIELGGGYDETSLAQYFASLVGSAPQVSVSVVDGATNQPDPNGPDGE
VELDIEVAGALAPGAKIAVYFAPNTDAGFLNAITAVHDPTHKPSIVSISWGGPEDSWAPASIAMNR
AFLDAAALGVTVLAAAGDSGSTDGEQDGLYHVDFAASPYVLACGGTRLVASAGRIERETVWVNDGP
DGGSTGGGVSRIFPLPSWQERANVPPSANPGAGSGRGVDPVAGNADPATGYEVVIDGETTVIGGTA
AVAPLFAALVARINQKLGKPVGYLNPTLYQLPPEVFDHTEGNNDIANRARIYQAGPGWDPCTGLGS

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>DM_train158

PTVSATPYDYIIVGAGPGGIIAADRLSEAGKKVLLLERGGPSTKQTGGTYVAPWATSSGLTKFDIPGLFE
SLFTDSNPFWWCKDITVFAGCLVGGGTSVNGALYWYPNDGDFSSSVGWPSWTNHAPYTSKLSRRL
PSTDHPSTDGQRYLEQSFNVVSQLLKGGQYNQATINDNPNYKDHFVGFSAFDFLNGKRAGPVATYL
QTALARPNFTFKTNVMVSNVVRNGSQILGVQTNDPTLGPNGFIPVTPKGRVILSAGAFGTSRILFQSGI
GPTDMIQTVQSNPTAAAAALPPQNQWINLPVGMNAQDNPSINLVFTHPSIDAYENWADVWSNPRP
ADAAQYLANQSGVFAGASPKNFWRAYSGSDGFTRYAQGTVRPGAASVNSSLPYNASQIFITIVYLS
TGIQSRGRIGIDAALRGTVLTPPWLVNPVDKTVLLQALHDVVSNIQSIPGLTMITPDVTQTLVEEYVDAY
DPATMNSNHVWSSTTIGSSPQSAVVDSNVKVFGTNNLFIVDAGIIPHLPNGTPQGTLMASAEQAAA
KILALAGGP

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MHIDNIENLSDREFDYIVVGGGSAGAAVAARLSEDPVSVVALVEAGPDDRGVPEVLQDRWMELES
GYDWDYPIEPQENGNSFMRHARAKVMGGCSSHNSCIAFWAPREDLDEWEAKYGATGWNAAEAW
PLYKRLETNEDAGPDAPHHGDSGPVHLMNVPPKDPGVALLDACEQAGIPRAKFNTGTTVVNGAN
FFQINRRADGTRSSSSVSYIHPIVEQENFTLLTGLRARQLVFDADRRTGVDIVDSAFGHHTHRLTARNE
VVLSTGAIDTPKLLMLSGIGPAAHLAEHGIIEVLVDSPGVGEHLQDHPEGVVQFEAKQPMVAESTQW
WEIGIFPTEDGLDRPDLMMHYGSVFPDMNTLRHGYPTTENGFSLTPNVTHARSRGTVRLRSRDFRD
KPMVDPRTFTDPEGHDMRVMVAGIRKAREIAAQPAMA EW TGRELSPGVEAQTDEELQDYIRKTHNT
VYHPVGTVRMGAVEDEMSPLDPELRVKGVGTGLRVADASVMPEHVTVNPNTVMMIGERCADLIRSA
RAGETTTADAELSAALA

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ASPHRNLWINDINVTHTDTHGWYSGHINQPLYHANWGD F ISFTTHMRRIAHSRNQDLLLLIDSGD
RHDGNGLSDITSPNGLKSTPIFIKQDYDLLTIGNHELYLWENSKQEYETVVNHFDKYVCSNVDIRLD
NGLFVPLGLKYKYFTTPIRGIRVMAFGFLDFKFRNSGTRVTPMAETIHEPWFQEALKHEVDLIIIVGHTP
ISHNWGEFYQVHQYLRQFFPDTI IQYFGGHSIRDFTVFDSLSTGLQSGRYCETVGWTSVNLDKADL
NLPVRQRFSRSYIDFNTDSFKYHTNLDKEFD TAKGKLVSKLIRETRKELKLDTLIGYVKTNYYVDYVPIDH
PKSIFNLLALKILKTLPKSKHEERITIINTGSIRYDLYKGPYTIDSKFIVSPFENIWNITVPKSVATKVAAKLN

>DM_train179

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LGDADRGRISPLAQEGLVKWALCGHWGQSPRISDLAEQNKIIAYNYPQGVLTQTLRAAAAHQPGIIS
DIGIGTFVDPRQQGGKLNVTKEDLIKLVFEDNKEYLYYKAIAPDIAFIRATTCDSEGYATFEDEVMYLD
ALVIAQAVHNNGGIVMMQVQKMKVKKATLHPKSVRIPGYLVDIVVVDPDQSQLYGGAPVNRFIGDGF
TLDDSTKLSLPLNQRKLVARRALFEMRKGAVGNVGVGIADGIGLVAREEGCADDILTIVETGPIGGITS
QGIAFGANVNTRAILDMTSQDFYHGGGLDVCYLSFAEVDQHGNGVGVHFKFNGKIMGTGGFIDISAT
SKKIIFCGTLTAGSLKTEIADGKLNIVQEGRVKKFIRELPEITFSGKIALERGLDVRVITERAVFTLTKEDGLHLI
EIAPGVDLQKDILDKMDFTPVISPELKLM DERLFIDAAMGFVLPEAAH

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>DM_train181

MDNGTDSSTSKFVPEYRRTNFKNKGRFSADELRRRRDTQQVELRKAKRDEALAKRRNFIPPTDGADS
DEEDESVSADQQFYSQLQQELPQMTQQLN SDDMQEQLSATVKFRQILSREHRPPIDVVIQAGVVP
RLVEFMRENQPEMLQLEAAWALTNIASGTAQTKVVVDADAVPLFIQLLYTG SVEVEQAIWALGNV
AGDSTDYRDYVLQCNAMEPILGLFN SNKPSLIRATWTL SNLCRGKPKQPDWSVVSQALPTLAKLIYS
MDTETLVDACWAISYLS DGPQEA IQAVIDVRIPKRLVELLSH ESTLVQTPALRAVGNIVTGNDLQTV
VINAGVLPALRLLLSPPK ENIKKEACWTISNITAGNTEIQIQAVIDANLIPLVKLLVEAEYKTKKEACWAI
SNASSGGLQRPDIIRYLVSQGC IKPLCDLLEIADNRIIEVTLDALENILKMGEADKEARGLNINENAD FIE
KAGGMEKIFNCQQNENDKIYEKAYKIIETYFGEEEDAVDETMAPQNAGNTFG

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STQTSRVTLVGEMLPAYNEILTPEALSFLKELHENFNERRIELLQKRMKKQKIDAGEFPKFLEETKRIRE
ADWTIAKLPK DLEDRRVEITGPVDRK MVINALNSGAHLFMAD FEDS NSPTWENAIEGQINLRDAVKG
TISHKNENGKEYRLNSKTAVLIVRPRGWHLEEKHM QVDGKNMSGSLVDFGLYFFHNAKALLEKSGSP
YFYLPKMESYLEARLWNDVFVFAQKYIGIPNGTIKATVLLIETHASFEMDEILYELKDHSAGLNCGRWD
YIFSFLKA FRNHNEFLLPDRAQVTMTAPFM RAYS LKVIQTCHRRNAPAIGGMAAQIPIKNNPEAN EAA
FEKVRADKEREALDGH DGTWVAHPGLVPVAMEVF NHIMKTPNQIFRKREEI HVTEKD LLEV PVGTITE
EGLRMNISVGIQYIASWLSGRGA APIYNLMEDAATAEISRAQVWQWIRHEGGKLNDGRNITL ELMEE
LKEEELAKIEREIGKEAFKGRFQEATTLFTNLV RNDEFV PFLTLPGEYIL

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>DM_train212

MATKATMIIEKDFKIAEIDKRIYGSFIEHLAGRAVYGGIYEPGHPQADENGFRQDVIELVKELQVPIIRYP
GGNFVSGYNWEDGVGPKEQRPRRLDLAWKSVETNEIGLNEFMDWAKMVGAEVNMAVNLGTRGID
AARNLVEYCNHPSGSYSIDLRIAHGYKEPHKIKTWCLGNAMDGPWQIGHKTAVEYGRICEAAKVM
KWVDPTIELVVCSSNRNMPTFAEW EATVLDHTYDHVDYISLHQYYGNRDNDTANYLALSLEMDDF
IRSVVAIADYVKAKKRSKKTIIHLSFDEWNVVYHSNEADKLIWPWTVAPPLLEDIYNFEDALLVGCMLITL
MKHADRVKIACLAQLVNVIAPIIMTEKNGPAWKQTIYYPFMHASVYGRGVALHPVISSPKYDSKDFD
VPYLESIAVYNEEKKEVTIFAVNRDMEDALLLECDVRSFEDYRVIEHIVLEHDNVKQTNSAQSSPVVPH
RNGDAQLSDRKVSATLPKLSWNVIRLGKR

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>DM_train214

METKDLVIGGGINGAGIAADAAGRGLSVLMLEAQDLACATSSASSKLIHGGLRYLEHYEFRVSEALA
EREVLLKMAPHIAFPMRFRPLRPHLRPAWMIRIGLFMYDHLGKRTSLPGSTGLRFGANSVLKPEIKRG
FEYSDCWVDDARLVLANAQMVVRKGGEVLRTRATSARRENGLWIVEAEDIDTGKKYSWQARGLV
NATGPWVKQFFDDGMHLPSPY GIRLIKGSHIVPRVHTQKQAYILQ NEDKRIVFVPMDFEFSIGTT
DVEYKGDPAVKIEESEINYLNNVYNTHFKKQLSRDDIVWTYSGVRPLCDDSDSPQAITRDYTLDIHD
ENGLAPLLSVFGKLT TYRKLAEHALEKLT PYYQGIGPAWTKESVLPGGAIEGDRDDYAARLRRRYPFL
TESLARHYARTYGSNSELLGNAGTVSDLGEDFGHEFYEAELKYLVDHEWVRRADDALWRRTKQGM
WLNADQQSRVSWLVEYTQQLSLAS

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>DM_train215

MVYDLVIGGGSGGMAAARRAHNAKVALVEKSRLGGTCVNVGCVPKIMFNAASVHDILENSRH
YGFDTKFSFNLPLLVERRDKYIQRLLNNIYRQNLSDKVDLYEGTASFLSENRIKIGTKDNNNKNNGPL
NEEILEGRNIIAVGNKPVFPVKGIENTISSDEFFNIKESKKIGIVGSGYIAVELINVIKRLGIDSYIFARGNR
ILRKFDSEVINVLENDMKNNINIVTFADVVEIKKVS DKNLSIHLSDGRIYEHFDHVIYCVGRSPDTENLK
LEKLN VETNNNYIVVDENQRTSVNNIYAVGDCCMVKKSKEIEDLNLLKLYNEERYLNKKENVTEDIFYN

CYFDIEWRDRRITLRASNGKfVtSKkNgQLAASVETAGDSELfLMKLINRPIIVFRGEHGFIGCRkVtGT
LDANRssyDVFQLEFNdGAYNIkdSTgKYWtVGSdSAVtSSGDtPVdFFFefCDYnkVAIKVGGryL
KGDHAGVLKASAEtVDPASLWEY

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GGTAYWKNPDQftAFntGLHALLREkSYnFFllGEPRADiYgDNpIGGEASQGMERLPFNTINKENV
GISNYGDMyKIInQINQMIakTtEtTILTEATQNYyLGEAYGMRAYLyFHLLRSWGDVVlyLDYteGQ
NLDLSNIKGVSPATEVMEqIKKDIQASENAFGSDYsfKLGRHFWSAAATQMLKGEAYLWsgRQMN
GGNSDYTIakNAFENVKADVGLvTSSFKDIFsFENkKNkEMIFTIHNgkDEyEMWGGyYRMRLIPaQ
DKMVKIYCDENGsFVGTPDAQLNGLtQLQVrREFYfKGFRRNDTRWtTSLKAVYkKDAQGVVsyF
GPITYKFQGTmLEGGSTRsFLDDfPIyRYADCLlQLAMAKVllGEDPtEEInAVrERAYgSKYfNEHKA
EIAYPNdNDPEfyTDNKWmkPDNAGALEAILKERLREFMFEGKRwyDIRllGWdYVHQYSSAEQSR
LLWPIDAGTLTnNSALkQTPGYE

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SVTVQQPQLTLTAAViGDgAPANGkTAItVEFTVADfEGkPLAgQEvvITtNngALPNkITeKtDANG
VARIAlNTTdgVtVtAEVEGQRQsvDthFVKGTIAADKSTLAAvPtSIIdGLMAStITLeLKdTYG
DPQAGANVAFDttLGnMGvITDhndGtYsAPLtSTtlGvATvTVkVdGAafSVpsvTVnftADpIP
DAGRSSFTVStPDilADGtMSStLSfVPVDKNGHFISGMQGLsFTqNGVPVSIspiteQPDsYtATVVG
NSVGDVtITPQVdTLilStlQkKisLfPvPtlTGilVNgQnFAtDKGFpKtIFKNAtfQLQMDNDVANN
TQYEWSSsFTPNsvNdQgQvTityqTyseVAvTAKsKKfPSysVsyRfYPNrWiydGGRSLVSSLEA
SRQCQGSdMSAVLSSRATngTRAPDgtLWGEWGSltAYSSDWQSGeyWvKktStDFEtMnMDT
GALQPGPAYLAfPPLCALSI

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LLAGASSQRSVARMdGDvIIGALFSVHHQPPAEKvPERKCGEIReqYGIQRVEAMFHTLDKINADPVL

QELTSFDEYVAELDSKLLCWSPPHVDNGFWSDNIDEFKKDNKYKIFRQLIELLQAKVRNGDVNAKQEKII
IQVALNDITHVVELLPESIDVLDKGTGGKADIMELLNHSDSRVKEYEALKATQAIIGYTFK
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>DM_train249
GASETQQWKTLEDTRSALMGVYGLTRAALADNHNHWICGLRKGDFTVYKRSDLQAVSDNELNKP
YDLLKVS NWRRFYAVINAASVFM EKAPRTVELDRSYSEQLKYDIAQVRALRAFAYFYMVRIWGDV
PLVTYSYDNGTFPSPMRTDAQTVLSYAKAELLTAIEDLPYQYGTQTNLYGSGYGAQWQGKLFNKL SA
YSVLAHICAWQGN YAEAETYSAFIHDHASEINAKYTSIADLTSETGLFYSNASVKGSRILGFNF AHNDNE
ATQSGHLEQLTLAYPLVQKSYPEIYISKDSLSIFTFNFDLRFGIIDTIKYSSYYVQNLNEETPVFSKIKI IQD
GSAKDNDFGVFGSSIVFTRLEDITLLRAEALCALNRSTEAVSYLNMIRTNRGLREVSFKKDFGN NRSLI
AEIFEERRREL MGEGWRWYDLVRRQKLMKDNEAFLRLISSGGIYWPVSEDIITANSQIEQNEFWK
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ARTDNFKLSSLANGLKVATSNTPGHFSALGLYIDAGSRFEGRNLKGCTHILDRLAFKSTEHVEGRAMA
ETLELLGGNYQCTSSRENLMYQASVFNQDVGKMLQLMSETVRFPKITEQELQEQLSAEYEIDEVWM
KPELVLPPELLHTAAYSGETLGSPLICPRGLIPSISKYLLDYRNKFYTPENTVA AFVGPHEKALELTGKYL
GDWQSTHPPITKVAQYTG GESCIPAPVFGNLP LEPHFHIQIGFEGLPIDHPDIYALATLQTLGGGSFS
AGGPGKGMYSRLYTHVLN QYYFVENCVAFNHSYSDSGIFGILSQCIPQAAPQAVEVIAQQMYNTFAN
KDLRLTEDEVSRAKNQLKSSLLMNLESKLVELED MGRQVLMHGRKIPVNMISKIEDLPDDISRVAE
MIFTGNVNNAGNGKGRATVVMQGD RGSFGDVENVLKAYGLGNSSSSKNDSPK KGWFFHHHHH
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GALRSLVLIGHGSHHHGESARATQQVAEALRGRGLAGHLPYDEVLEGYWQQEPGLRQVLR TVAYS
VTVPVFLSEGYVTETVLPRELGLGHQGPVPTGGVVRVLGRRVRYTRPLGAHPGMADAI AAQARDT
LPEGTDPADVTL LLLAARPGNAAELETHAQALRERGGQFAGVEVVLESREALTPESHAASAVPLSEWPSR
VEAGQAVLVPFLTHLKGHAERLQQALAAERFPQAPPLHVGGPVGEP HPAVAEVVLLAAEGRED

ERGGDIDQAHAEAWAALRHLAERGGRLGEVLLTPYGGLFELRHTLDEGRATLDLQTVVTPEGLRDLT
ARDEAGRWRPIRTWRTLPRGWRAVLSPADLRLELLYPVIEESYAHEHRRLLHWTPWMSTARRQT
GTLARVQRTATPDQVDVAAQVCASCLRRLWAGHTLQGTIFSGVPGGLPCAEACTVLLAAVRDEVG
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MKTDTSTFLAQVIRLRRRDQIRRLQRDKTPLAILFMAAVVGTTLGLVGVAFEKAVSWVQNM RIGA
LVQVADHAFLLWPLAFILSALLAMVGYFLVRKFAPEAGGSGIPEIEGALEELRPVRWWRVLPVKFIGGM
GTLGAGMVLGREGPTVQIIGGNLGRMVLDFRMRSAEARHTLLATGAAAGLSAAFNAPLAGILFIEE
MRPQFRYNLISIKAVFTGVIMSSIVFRIFNGEAPIIEVGKLS DAPVNTLWLYLILGIIFGVGPVFN SLVLR T
QDMFQRFHGG EIKKWVLMGGAIGGLCGILGLIEPAAAGGGFNLIPIAAAGNFVSGLLLIFITR VVTLL
CFSSGAPGGIFAPMLALGTLLGTAFGMAAVLFPQYHLEAGTFAIAGMGALMAASVRAPLTGIVLVLE
MTDNYQLILPMIITCLGATLLAQFLGGKPLYSTILARTLAKQDAEQAEKNQNAPADENT

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MGSSSENLYFQGHMATESPATRRVQVAEHPRLKLEKMFNSKFGSIPKFYVRAPGRVNIIEGHIDYC
GYSVLPMAVEQDVLIAVEPVKTYALQLANTNPLYPDFSTSANNI QIDKTKPLWHNYFLCGLKGIQEHF
GLSNLTGMNCLVDGNIPSSGLSSSSALVCCAGLVTLTVLGRNLSKVELAEI CAKSER YIGTEGGMD
QSFILAEETAKLIEFSPRATDVKLP SGAVFVIANSCVEMNKAATSHFNIRVMECR LAAKLLAKYKSL
QWDKVLRLEEVQAKLGISLEEMLLVTE DALHPEPYNPEEICRCLGISLEELRTQILSPNTQDVLIFKLYQR
AKHVYSEARVLQFKKICEEAPENMVQLLGELMNQSHMSCRDMYECSCPELDQLVDICRKFQAQGS
RLTGAGWGGCTVSMVPADKLP SFLANVHKAYYQRS DGS LAPEKQSLFATKPGG GALV LLEA

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>DM_train257

ATLDSWLSNEATVARTAILNNIGADGAWVSGADSGIVVASPSTDNPDYFYTWTRD SGLVLKTLVDLF
RNGDTSLLSTIENYISAQAIVQGISNPSGDLSSGAGLGEPKFNVD EAYTGSWGRPQRDGPALRATA

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>DM_train289

LEDKDLRSIQEVRNLIESANKAQKELAAMSQQQIDTIVKAIADAGYGAREKLAKMAHEETGFGIWQD
KVIKNVFASKHVYNYIKDMKTIGMLKEDNEKKVMEVAVPLGVVAGLIPSTNPTSTVIYKTLISIKAGNSIV
FSPHPNALKAILETVRIIEAAEKAGCPKGAISCMTVPTIQGTDLMKHKDTAVILATGGSAMVKAAYS
SGTPAIGVGPNGPFIERSANIPRAVKHILDSKTFDNGTICASEQSVVVERVNKEAVIAEFRKQGAHF
LSDAEAVQLGKILRPN GSMNPAIVGKSVQHIANLAGLTPADARVLIAEETKVGAKIPYSREKLAPILA
FYTAETWQEAELSMDILYHEGAGHTLIHSEDKIIREFALKKPVSRLLVNTPGALGGIGATTNLVLPALT
LGCGAVGGSSSDNIGPENLFNIRRIATGVLELEDIR

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MASLPILTVLEQSQVSPDDTLGDKSLQLTFDFFWLRSPPINLFFYELPITRSQFTETVVPNIKHLSLIT
LKHFPYFVGLVYVYVAPYTKKPEICYVEGDSVAVTFAECNLDLNLGTGNHPRNCDKFYDLVPIGSTRLS
DCIKIPLFSVQVTLFPNQGIAIGITNHHCLGDASTRFCFLKAWTSIARSGNNDSEFLANGTRPLYDRIIKY
PMLDEAYLKRAKVESFNEDYVTQSLAGPSDKLRATFILTRAVINQLKDRVLAQLPTLEYVSSFTVACAYI
WSCIAKSRNDKLQLFQFPIDRRARMKPPIPTAYFGNCVGGCAAIAKTNLLIGKEGFITAACLIGENLHKT
LTDYKDGVLKDDMESFNDLVSEGMPPTMTWVSGTPKLRFYDMDFGWGKPKKLETVSHDNGAISIN
SCKESNEDLEIGVCISATQMEDFVHIFDDGLKAYL

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MKTLSPAVITLLWRQDAAEFYFSLSHLPWAMLLHSGYADHPYSRFDIVVAEPICTLTTFGKETVVSES
EKRTTTTDDPLQVLQVLDLDRADIRPTHNEDLPFQGGALGLFGYDLGRRFESLPEIAEQDILVLDMAVG
IYDWALIVDHQRHTVLSLNDVNARAWLESQQFSPQEDFTLSDWQSNMTRQYGEKFRQVQVE
YLHSGDCYQVNLAQRFHATYSGDEWQAFQLNQNANRAPFS AFLRLLEQGAILSLSPERFILCDNSEIQT
RPIKGTLPRLPDPQEDSKQAVKLANSKADRAENLMIVDLMRNDIGRVAVAGSVKPELFVVEFPFPAV
HHLVSTITAQLPEQLHASDLLRAAFP GGSITGAPKVRAMEIIDELEPQRRNAWCGSIGYLSFCGNMDT

>DM_train317

MLSTVFRRTMATGRHFIAVCQMTSDNDLEKNFQAAKNMIERAGEKKCEMVFLPECFDFIGLNKNEQI
DLAMATDCEYMEKYRELARKHNIWLSLGGGLHHKDPSDAAHPWNTHLIIDSDGVTRAENKHLHFDLE
IPGKVLMESEFSKAGTEMIPPVDTPIGRGLSICYDVRFPPELSLWNRKRGAAQLLSFSPAFTLNTGLAHW
ETLLRARAIENQCYVVAAAQTAGHNPKRQSYGHSMVDPWGAVVAQCSERVDMCFAEIDLASYVDT
LREMQPVFESHRRSDLYTLHINEKSSETGGLKFARFNIPADHIFYSTPHSFVFNLPVTDGHVLPSPKRV
VPRLTDLTAETADLFIVAKKVQAMLEKHHNVSTTICVQDGKDAGQTPHVVHILPFRAGDFDGN
EIQKLASHDKPERKPRSNEQMAEEAVVYRNLM

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>DM_train319

MPKLVTMNQRVGEKTLKLANGAHTFKYAPEWLASRYARPLSLSLPLQRGNITSDAVFNFDDNLLP
DSPIVRDRIVKRYHAKSRQPFDLLSEIGRDSVGAVTLPEDETETHPIMAWEKLEARLEEVLTAYKADIP
LGMIREENDFRISVAGAQEKTALLRIGNDWCIPKGITPTTHIIKLPIGEIRQPNATLDLSQSVNNEYCLL
LAKELGLNVPDAEIKAGNVRALAVERFDRRWNAERTVLLRLPQEDMCQTFGLPSSVKYESDGGPGIA
RIMAFLMGSEALKDRYDFMKFQVFQWLGATQGHAKNFVFIQAGGSYRLTPFYDIISAFVLDGGTGI
HISDLKLAMGLNASKGKTAIDKIYPRHFLATAKVLRFPEVQMHEILSDFARMIPAALDNVKTSLPTDFP
ENVVTAVESNVLRLHGRLSREYGSK

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>DM_train320

MKPLSSPLQQYWQTVVERLPEPLAESLSAQAKSVLTFSDVQDSVIAHPEWLTELESQPPQADEWQ
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DACCREWGTGTPCNAQGEAQLLILGMGKLGAGGELNFSSDIDLIFAWPEHGCTQGGRELDNAQFFTR
MGQRLIKVLDPQTDGQVFYRVDMLRPFGEGLVLVLSFAALEDYYQEGRDWERYAMVKARIMGD
SEGVYANELRAMLRPFVFRYIDFSVIQSLRNMKGMIAREVRRRGLTDNIKLGAGGIREIEFIVQVFQLIR
GGREPSLQSRLLPTLSAIAELHLLSENDAEQLRVAYLFLRRLENLLQSINDEQTQTLPSDELNRARLAW
AMDFADWPQLTGALTAHMTNVRRVFNELIGDDE

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>DM_train322

DIAVVIGIVGLVSATCFAELGANVRCIDTRNKIEQLNSGTIPYEPGLEKMIARNVKAGRLRFGEIE

>DM_train347

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SLFELPLEGVSLLEIQKLSALLKSGASIEEINTVRKHSQVKGGRAERVFPAKVVALVLSVDLGDRLDVI
ASGPAWPDSSSTSEDALKVLEKYGIETSESVKRAILQETPKHLSNVEIHLIGNVQKVCDEAKSLAKEKGFN
AEIITSLDCEAREAGRFIASIMKEVKFKDRPLKPAALIFGGETVVHVKGNGIGGRNQELALSAALAELEG
EGVILCSAGTDGTDGPTDAAGGIVDGSTAKTLKAMGEDPYQLKNNDSSYNALKKSGALLITGPTGTN
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>DM_train348

MAAVVLENGVLSRKLSDFGQETSYIEDNSNQNGAISLIFSLKEEVGALAKVLRLEFEENDINLTHIESRPSR
LNKDEYEFFTLDKRTKPVLSIIKSLRNDIGATVHELSDRDKKNTVPWFPRTIQELDRFANQILSYGAEL
DADHPGFKDPVYRARRKQFADIAYNYRHGQPIPRVEYTEEEKQTWGTVFRTLKALYKTHACYEHNHI
FPLLEKYCGFREDNIPQLEDVSQFLQCTGFRLRPVAGLLSSRDFLGGGLAFRHFCTQYIRHGSKPMY
PEPDICHELLGHVPLFSDRSFAQFSQEIGLASLGAPDEYIEKLATIWFTVEFLCKEKGDSIKAYGAGLLS
SFGELQYCLSDKPKLLPLELEKTACQEYSVTEFQPLYVAESFSDAKEKVRTFAATIPRPFVRYDPYTQR
VEVLNDNTQQ

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>DM_train349

SQFDILCKTPPKVLVRQFVERFERPSGEEKIASCAAEALTYLCWMITHNGTAIKRAFMSYNTIISNSLSFDI
VNKSLQFKYKTQKATILEASLKKLIPAWFEFTIIPYNGQKHQS DITDIVSSLQLQFESSEADKGNSSHKK
MLKALLSEGESIWEITEKILNSFEYTSRFTKTKTLYQFLFLATFINCGRFSDIKNVDPKSFKLVQNKYLGVII
QCLVTETKTSVSRHIYFFSARGRIDPLVYLDEFLRNSEPVLRVNRTGNSSSNKQEYQLKDNLVRYSYN
KALKKNAPYPIFAIKNGPKSHIGRHLMTSFLSMKGLTELTNVVGNFSDKRASAVARTTYTHQITAIPDH
YFALVSRYYAYDPISKEMIALKDETNPIEWOHQHIEQLKGSAGSIRYPAWNGIISQEVLDYLSSYINRRIG
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>DM_train350

MTDFYSLIPSAKGRFDGIERAHTAEDVKRLRGSVEIKYSLAEMGANRLWKLIEEDFVNALGALSGN

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GLSVDTWFAPIVADAEAGFGDPLDAFEIMKAYIEAGAAGVHFEDQLASEKKCGHLGGKVLPTAAHIR
NLNAAARLAADVMGTPTLIVARTDAEAAKLLTSDIDERDQPFVDYAGRTAEGFYQVKNIEPCIRAI
AYAPYCDLIWMETSKPDLAQARRFAEAVHKAHPGKLLAYNCSPSFWKKNLDDATIAKFQRELGAM
GYKFQFITLAGFHQLNYGMFELARGYKDRQMAAYSELQQAEEFAAEADGYTATKHQREVGTGYFDAV
SLAITGGQSSTTAMKESTETAQFKPAAE

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NIDLGFGKLSLAATRSTEAGGSYTFSSQNIYDEVKDTANDVFDVRLAGLQTNPDGVLELGVYDGRAN
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DGTKINYANKVINNINGNMWRILDHGAISLGDKDWLDMYVGMYNIDWDNNLGTEWWTVGVRPM
YKWTPIMSTLLEVGYDNVKSQQTGDRNNQYKITLAQQWQAGDSIWSRPAIRIFATYAKWDEKWGYI
KDGDNISRYAAATNSGISTNSRGDSDEWTFGAQMEIWW

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>DM_train353

ELDGKAPSHRNINVQTWSTAEGAKVLFVEARELPMFDLRLIFAAGSSQDGNAPGVALLTNAMLNEG
VAGKDVGAIAQGFEGLDGDFNGAYKDMAVASLRSLSAVDKREPALKLFAEVVKGKPTFPADSLARIK
NQMLAGFEYQKQNPGLASLELMKRLYGTHPYAHASDGDAKSIPPITLAQLKAFHAKAYAAGNVVIA
LVGDLRSRDAEAIQAQVSAALPKGPALAKIEQPAEPKASIGHIEFPSSQTSMLLAQLGIDRDDPDYAAV
SLGNQILGGGGFTRLMSVREKRGLTYGVYSGFTPMQARGPFMINLQTRAEMSEGTLKLVQDVFAE
YLKNGPTQKELDDAKRELAGSFPLSTASNADIVGQLGAMGFYNLPLSYLED FMRQSQELTVEQVAAA
MNKHLNVDKMVIVSAGPTVAQKPL

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>DM_train354

MMEYKIVENGLTYRIGNGASVPISNTGELIKGLRNYGPYEVPSLKYNQIALIHNNQFSSLINQLKSQISS
KIDEVWHIHINISEFIYDSPHFD SIKSQVDNAIDTGV D GIMLVPEYNTPLYKLSYLINSIPSQFMRY
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>DM_train373

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FNPLDMKASKIAIEYTSIVVPLKVYEMFYNFLQDTVKSPFQLKSSLVSTAEGVLTTPKDRGVVWNLGY
NFTGLIAYKNGVPKISYVPGMKHVIKDVSAVLDTSFEESERLIITHGNAVYNLKEEEEIQYRGLDGNTI
KTTTAKKLSVIIHARLREIMSKSKKFFREVEAKIVEEIGEIGIPGGVLTGGGAKIPRINELATEVFKSPVRTG
CYANSRPSIINADEVANDPSFAAAGFNVFAVSENPEETPVKSENPLKKIFRLFKELME

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>DM_train375

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PKTVDNDLPITDCCPGFSGVAKYIAVSTLEASFDVASMSATSTKVFVLEVMGRHAGWIAAGGLASSP
EREIPVVILFPEISFDKQKFLAKVDSCVKKFGYCSVVVSEGVKGDGKFLSDQGVRDAFGHAQLGGVA
PVVASMVKEGLGLKYHWGVADYLQRAARHASKTDVEQAYAMGQAAVEFAVQGHNSVMP TIERIS
ARPYQWKVGMALQSQVANVEKMPENFITEDGFGITDLCREYLAPLIEGEDYPPYKDGLPDYVRLKN
VAVPKCLSGFTL

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>DM_train376

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ACGV DYEKAFCAENLEEKIHKRNSVRLVIRKVQYAPERPGPQPTAETTRQFLMSDKPLHLEASLDKEI
YYHGEPI SVNVHVTNNTNKT VKKIKISVRQYADICLFNTAQYKCPVAMEEADDTVAPSSTFCKVYTLP
FLANNREKRLALDGLKHEDTNLASSTLLREGANREILGIIVSYKVKVLVSRGGLLDLASSDVAVE
LPFTLMHPKPKEEPHREVPEHETPVDTNLIELDTNDDDIVFEDFARQLKGMKDDKEEEEEDGTGSPRL
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>DM_train377

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GYMESVQKNQFPWVVAAPFSKAWAKRVPPELSVEEAYIKFIDEVFDIVRIDGNPVENWRQHIANLS
VYAQKLQKQKNYHALHYVSEGTDLTVGLAKNHIWEDATSYVNGKEQAFIANIPITEEVFTAPDRNRVD
GYVTNKLPLSYNGTIIDQFKLMFKDGEIIDFSAEKGEAVLKDLINTDEGSRRLGEVALVPDDSPISNRNTI
FYNTLFDENAACHLAIGSAYAFNIQGGTEMTVEEKIASGLNDSNVHVDFMIGSSDLTIYGIFEDGSKEL
VFENGWASTF

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>DM_train378

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VKAYENVAQAAGGAATTGFWDGPPLVSAAAALGDSNTGMHLLIGLLAALLHREKTGRGQRVTMSM
QDAVNLNCRVKLRDQQRDKLGLYLEEYPQYPNGTFGDAVPRGGNAGGGGQPGWILKCKGWETDP
NAYIYFTIQEQNWENTCKAIGKPEWITDPAYSTAHARQPHIFDIFAEIEKYTVTIDKHEAVAYLTQFDIP
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DDEIAAMKQNHAI

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>DM_train379

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QGTVVLIFQPAEGLSGAKMREEGALKNVEAIFGIHLSARIPFGKAASRAGSFLAGAGVFEAVITGKG
GHAAPQHTIDPVVAASSIVLSLQQLVSRETPLDSKVTVTVSKVNGGNAFNVIPDSITIGGTLRAFTGFT
QLQQRVKEVITQAAVHRCNASVNLTPNGREMPPTVNNKDLYKQFQKVVRLGQEAFAVVAAPV
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SGFHEEL

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>DM_train382

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ASGNKVKAPAKIEAFRASLSKLGDVYVNDAFGTAHRAHSSMVGVNLQPKAGGLMKKELNYFAKA

LESPERPFLAILGGAKVADKIQ LINNMLDKVNEMII GGGMAFTFLKVLNNMEIGTSLFDEEGAKIVKDL
MSKAEKNGVKITLPVDFVTADKFDENAKTGQATVASGIPAGWMGLDCGPESKKYAEAVTRAKQIV
WNGPVGVFWEAFARGTKALMDEVVKATSRGCITII GGGDTATCCAKWNTEDKVS HVSTGGGASLE
LLEGKVLPGVDALSNI

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>DM_train385
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QQFQYAVEVLGEKVL SKQETEDSRGRK KWEYETDPSVTKMVRASASFQDLGEDGEIKFEAVEGAVAL
ADRASSFMVDSEYKITNVK VHGMMKFVPA VPHELKGAIEK FHFVEDSRVTENTNGLK TMLTEDSFS
ARKVSSMESPHDLVVDTVGT GYHSRFGSDAEASV MLKRADGSELSHREFIDYVMNFNTVRYDYD
DASYTNLMASYGTKHSAD SWWKTGRVPRISCGIN YGDFRFGSGPGYYRLT LIANGYRDVVADV RFL
PKYEGNIDIGLKGKVL TIGGADAETLMDAAVD VFDAGQP KLVSDQAVSLGQNVLSADFTPGTEY TVE
VRFKEFGSVRAKVVAQ

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>DM_train386
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NSGAQDEEIHKQIV IEMKRCFENLQNK SFKSVLPVLLNTR LKRCYPQFAERDSQGGFYKQ QDAEELFT
QLFHSM SIVFGDKFSED FRIQFKTTIKDTANDNDITV KENESD SKLQCHISGTTFMRNGLLEGLNEKIE
KRSDLTGANSIYSVEKKISRLPKFLT VQYVRF FWRSTNKKSKILRKV VFPFLQDVADMLTPEYAAEKVK
VRDEL RKVEKEKNEKEREIKRRKFDPSSSENVMT PREQYETQVALNESEKDQWLEEKKHFPNLEKGE
NPSCVYNLIGVITHQGANSESGHYQAFIRDEL DENKWKFNDDKVS VVEKEKIESLAGGGS DSALIL
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>DM_train387
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RIAACPLDKIKYVVMNHAEGDHASSLKDHYHKFTNATFVCTK KCQEHKILYGM EKATWLIVDDKYT
LKIGKRTLK FIPVLLHWP DSTFTYCPEDKILFSNDGFGQH YATSRRWADECDVSHVMHLFKEYTANIL
GLFSAQMRKALEVASTVEIKYILSAHGVSWRGDAMGLAIEYDRWSKGQHCQKKVTVVLDSMYGTT
HRMALALLDGARSTGCETV LLEMTSSDITKVALH TYD SGAVAFASPTLNN TMMPVAAALNYVRGLT

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>DM_train394

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DVNILTGFKEYLPLIKTFHPDYIYVDPARRSGADKRVIYAADCEPDLIPLATELLPFCSILAKLSPMIDL
WDTLQSHLVQELHVVAHAHGEVKELLVRMSLNEATIPPEKVIHAINLLEDTVIPFIFTMEEERSISIPYT
DSIDKYVYEPHTALLKAGAFKTVAYRLGLRKLHPNSHLYTSEAYESAFFPGRTFVLEEIIPFSTSVLKQLRKV
VPQASISCRNFPLSPIELRQRSKMADGGKELMGTMMADGKKVLLLRKAE

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>DM_train395

PGSSVSGTFGCLGGRLTIPGTGVSLVPNGAIPQGKFDLYLRINKTESTLPLSEGSQTVLSPSVTCGPT
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TYVFTGESYSRSAVKRLQLAIFAPALCTSLEYSRLVYCLEDTPAALKEVLELERTLGGYLVEEPKPLLKDS
YHNLRLSLHDIPHAHWRKLLAKYQEIPFYHVWNGSQKALHCTFTLERHSLASTEFTCKVCVRQVEGE
GQIFQLHTTLAETPAGSLDALCSAPGNAATTQLGPHYAFKIPLSIRQKICNSLDAPNSRGNDWRLLAQK
LSMDRYLNYFATKASPTGVILDLEWEARQDDGDLNSLASALEEMGKSEMLVAMTTDGDG

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>DM_train396

MADLLPEHPEFLWANPEPKSYDAIIVGGGGHGLATAYFLAKNHGITNVAVLEKGWLAGGNNMARNR
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WLDPSQVKEACPIINTSDDIRYPVMGATWQPRAGIAKHHDHVAWAFARKANEMGVDIINCEVTGFI
KDGEKVTGVKTRRTIHAGKVALAGAGHSSVLAEMAGFELPIQSHPLQALVSELFEPVHPTVVMNSHI
HVYVSQAHKGELVMGAGIDSYNGYGQRGAFHVIQEQMAAAVELFPIFARAHVLRWTGGIVDTTMD
ASPIISKTPIQNLYVNCGWGTGGFGKTPGAGFTLAHTIANDEPHELNKPFSLERFETGHLIDEHGAAAV
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>DM_train399

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MSKVFIATANAGKAHDADIFSVSACNSFTVSCSGDGYLKVWVNDKLLDNENPKDKSYSHFVHKSGLH
HVDVLQAIERDAFELCLVATTSFSGDLLFYRITREDETKKVIFEKDLLDSMKKHSFWALKWASNDR
LLSHRLVATDVKGTYYWKFHPPFADESNSLTLNWSPTLELQGTVESPMTPSQFATSVDISERGLIATGF
NINGTVQISELSTLRPLYNFESQHSMINNSNSIRSVMKFSPPQSLLAIAHDSNSFGCITLYETEFGERIGSLS
VPTHSSQASLGEFAHSSWVMSLSFNDSGETLCSAGWDGKLRFDVTKERITTLNMHCDDIEIEDIL
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>DM_train412

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HPYLHSASEASATIDAMRAARVQLHLKTPLSGKVMLSGYSQGHTAMATQREIEAHLKSEFHLVAS
APISGPYALEQTFLDSSWGSNAVGENTFGILLGSAIVAMQHTYKNIYLEPGQVFPDPWAAKVEPLFP
GKQSLTDMFLNDTLPSIDKVSYFQPGFYSDFPSNPANPFRQDLARNNLEWAPQTPDLLCGSSNDA
TVPLKNAQTAIASFQQRGSNQVALVDTGTGNASDNSAFAMHLTKESCIVVRDQLLDKQR
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>DM_train413

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MITWMITRTGFALLWPHELTSWIEQPLGGELLMRREVAAMLYEDERVRRRSDWGIDTLTYFTVTVQQG
VSIYECYIPEGKAHRLYGGLDDLRTMLVECFAAIQLQHEVVGQPAIHRQEHPRVPVHIAERVGYDV
EATLHRLMQHWTPRQVELLELFTTPVREGLRTCQRPAFNFMDEMAWAATYHVLEHFQPGDPDW
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>DM_train414

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HIGFGLKTLFYSSDYALEPKVKKQLVKQFTNPELCDITERLVFTDPFFDHDTNDFEELRPFVEKLNWNN
DSVKIEAAKLKKSFLTSAETLIHGDHLTGSIFASEHETKVIDPEFAFYGPiGFDVGQFIANLFLNALS RDGA
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>DM_train433

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KNKTAMLGEAVANRFGELPFLFKVLCaaQPLSIQVHPNKRnSEIGFAKEnaAGIPMDAAERNYKDPN
HKPELVFALTPFLAMNAFREFSDIVSLLQPvAGAHsAIAHFLQVPNAERLSQLFASLLNMQGEKSRAL
AVLKAALNSQQGEPWQTIRVISEYYPDDSGLFSPLLLNVKLNPGEAMFLFAETPHAYLQGVAlEVM
ANSdNVLragLTPKYIDIPELVANVKFEPKpAGELLTAPVKSGAELDFPIPVDDFAFSLHDLALQETSIG
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>DM_train434

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GKGEGMLVGLLLAKAIGAEYVGFVDADNYIPGAVNEyVKDYAAAGFLMSESEYTMVRLHWRHKPKVT
KGTLYFKWGRVSEITNHYNLLVSEHTAFETTImVTGNAGEHAMTMKLAEILPFSTGYSIEPYEIVYILE
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>DM_train435

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AETILKAVRREVTPGehRFEGTEeILKARILASARHKAYVVSADEREGGLRNLLNWGHsIGHAIeAILTPQ
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ALDKKNDGPKKIVLLSAIGTPYETRASvVANEDIRVVLAP

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>DM_train436

MAEGKMMSDFLpFSRpAMGAEELAAVKTVLDsgWITtGPKNQELEAAfCRLtGNQYAVAVSSATAG
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>DM_train444

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DPAQPVTEYVPELAGSVYDGPVLQVLDMQISIDYNEDYVDPASEVQTHDRSAGWRTRRHGDPAD
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CSLRTEENLAVVKQIP TERLLETDAPWCEIKRTHASFQYLAKYQEV RDFEYPAFKSVKKNKLADKLNA
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>DM_train446

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GPLIDDVETKHYKIMPLSSYYQRNIPSITPILVRQLLPDEGFLWLTSDMRVFS DWMQALRDDEGEGGG
RFEHLVQLFKHKIDGLFNTPALPVNLQDSPATAHADAFNLWLKEALATNQIKVNTSDAGVHVIPE
GVFLEKTGIFKQYIDLHVNV PVNLF TVYQQFGNLFGLTKLSGIDYRFEQLFSEYPDALKRKSKMGFAGLI
GIRRASPTREGVLIADPNLIFTRGEIPSATSYLKLSAQKSNIPMT
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>DM_train447

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VASQLESVYASWTRVKADLN CMKDLYRMNANWKY LINLCGMDFP IKTNLEIVRKLK C ST GENNLET
EKMPPNKEERWKKRYAVVDGKLTNTGIVKAPPLKTP LFSGSAYFVVTREYVGYVLENIQKLEWA

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>DM_train451
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VLACGPYTNDLLEPLGARLAYSVYEMAIAAYRQATPVTEAPFWFAFQQPTPQD TNLFYGFHNPWA
PGEFVRCGPDFEVDPLDHPSAATGVADRRQMDRLSGWLRDHLPTVDPDPVRTST CLAVLPTDPERQ
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>DM_train452
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EEREYAKEHNVSLSPLFEGGHRFVLSVTTIATPHDGTTLVNMVDFTDRFFDLQKAVLEAAVSNAPY
TSEIYDFKLDQWGLRREPGE SFDHYFERLKRSPVWTSTDTARYDLSVPGAETLNRWVKASPNTYYLSF
STERTYRGALTGNYP ELMNAFSAIVCAPFLGSYRNAALGIDSHWLGNDGIVNTISMNGPKRGSND
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>DM_train453
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EKVAEETPHLIHKVALDPLTGPMPYQGRELAFKLGLEGKLVQQFTKIFMGLATIFLERDLALIEINPLVITK
QGDLICLDGKLGADGNALFRQPD LREMRDQSQEDPREAQAAQWELNYVALDGNIGCMVNGAGL
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>DM_train455
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EYFALALFFASHRWGDGDEQPFNYSEQARKLLHTCVHN GEGGPGHPMWNRDNKLIFIEVEFSD
PSYHLP HFYELFSLWANEE DRVFWKEAAEASREY LKIACHPETGLAPEYAYYDGT PNDEKGYGHFSD
SYRVAANIGLDAEWFGGSEWSAE EINKIQAFFADKEPEDY RRYKIDGEPFEEKSLHPVGLIATNAMGSL
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>DM_train456

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RHLSAALREWRGPVLDLDRDFQVEP FATALVEDKVL AHTAKAEAEIACGRASAVIAEALTFEHYR
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VTVLDQR TMASGQQA VAYLHDIASGRGYPLQAATRIGRLHDNDIVLDSANVSRHHAVIVDTGTNY
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>DM_train458

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VLDSAAEKWQVTAINVGNINNDKKDEMYRSLFQDLELKKERRVILDCERDKVNDIVDQVITIGKHVK
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>DM_train459

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ALCHGDVLLQICANTQDTVIHALRDIKHTPDLLS VRWKREGFISDHAARSKGKETPINLLGFKDGTAN
PDSQNDKLMQKVWVTADQQEPAWTIGGSYQAVRLIQFRVEFWDR TPLKEQQTIFGRDKQTGAPL
GMQHEHDVPDYASDPEGKVIALDSHIRLANPRTA ESESSLMLRRGYSYS LGVNTNSGQLDMGLLFV CY
QHDLEKGF LTVQKRLNGEAL EEVKPIGGGYFFALPGVKDANDYFGSALLRV

MQRLDALLPTLRERAQETEDLRRIPDDSMKALQETGFFRLLQPEQWGGYQADPVLFYSAVRKIASAC
GSTGWVSSIIGVHNWHLALFSQQAQEDVWGNDDVRISSEYAPMGAGQVVDGGYTVNGAWAWS
SGCDHASWAVLGGPVIKDGPRVDFVSFLIPREDYRIDVWNVVGLRGTGSNTVVVEDVFPVTHRVLV
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RTGPIVVYRSESSGTTELFTRFLNAKCNAETGNFAVTTTFGTFSFSGGLPAGAVAATGSQGVMTALAA
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>DM_train483

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KDLSWITQHAEPFGIEITVRDDLMIQVGPNAQAKAATLFNDAQRQAVEGMKPFQAGDLFIAT
TGYTGEAGYEIALPNEKAADFWRALVEAGVKPCGLGARDTLRLEAGMNLYGQEMDETISPLAANMG
WTIAWEPADRDFIGREALEVQREHGTEKLVGLVMTEKGLRNELPVRFTDAQGNQHEGIITSGTFSPT
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>DM_train484

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ARKVGGFHYAPGSNAAAQAGGNTTAQINEYSLWDIKFRPAALDPRGMTLVAGAFWADIYLLGVNH
LTDGTSKYNVTIADGSASPKKSTKFGGDGSAAYS DGAWYNFAEVMTHHGKRLPNYNEFQALAFGTT
EATSSGGTDVPTTGVNGTGATSAWNIFTSKWGVVQASGCLWTWGNFEGGVNGASEYTANTGGRG

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ARSVKWLRRAVSPDESPHWQQNDYKGFSPCVDWDVTVDYRTAPAIQELPVQSAVTQPRPGAAPV
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>DM_train507

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>DM_train510

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FVAFKYNLDIELIHQAIKGIKEVVELLDHKIHALMCIGDTGHEAANIKASADFLCHKADFGVDFDYG
GHEVDLKEYKEIFDYVRESGVPLSVHAGEDVTLPLNNTLYSAIQVLKVERIGHGIRVAESQELIDMVKEK
NILLEVCNISVLLKNAKSMIDTHPIRQLYDAGVKVSVNSDDPGMFLTNINDDYEELYTHLNFTLED
KMNEWALEKSFMDISNIKD KIKNL YF

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>DM_train511

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>DM_train534

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LELDPWRQTLVALGWEARALLHTLEHGELGVDDVELVPISSPGVDVPAEQLEESATVKGADLFPDVA
RGQAAVLASGDVDALYSWLPWAGELQATGARPVVDLGLDERNAYASVWTVSSGLVRQRPGLVQR
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>DM_train536

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AGLTNKWLAKIATKVMQAFPGAFPNAEVGNPNVRTDVLALPLPQQRLAGREGPVRVLVVGGSQGA
RILNQTMPQVAAKLGDSVTIWHQSGKGSQQSVEQAYAEAGQPQHKVTEFIDDMAAYAWADV
CRSGALTVEIAAAGLPALFVPFQHDKDRQQYWNALPLEKAGAAKIEPQLSVDAVANTLAGWSRET
LLTMAERARAASIPDATERVANESRVARALEHHHHHHH

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>DM_train537

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CERAIQRLQKRAKGGDKEAKFELSVMEKILPVLENAGMIRSVGLDKEELQAIKSYNFLTLPKPTMYIANV
NEDGFENNPYLDRVREIAAKEGAVVVPVCAAESEIAELDDEEKVEFLQDLGIEEPGLNRVIRAGYALLN
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>DM_train539

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DTTAPYKLKDNLSYALKKPSHCFKEKHPNLCAVVNDESDPLKRGFASFVASNPNAPIRNAFYDALNSI
EPVTVGGSVRNTLGYNVKNKNEFLSQQYKFNLCFENTQGYGYVTEKIIDAYFSHTIPIYWGSPSVAKDFN
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>DM_train548

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CRSERPGQVTVNAIKGAMDFACLPAAKAGWALEQIGSVLPQYVAVENVLHTSLTNVNAVMHPLPTL
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LTAAGIRSAVE

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>DM_train549

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ANAQLGSRKTLALTTESTSPETYAADLRGRRAEELARGSTVTGPHRDDLLTLGDFPASDYASRGEGR
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>DM_train550

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QKKKMIRVRLDERDMWVLSRFFLYPRMQSNLQTFGEVLLSHSSTHKSLSVHHARLQLTLQVIRLLASLH
HYGLVHTYLRPVDIVLDQRGGVFLTGFHELVRD GARVVSSVSRGFEPPELEARRATISYHRDRRLMTF
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>DM_train551

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EGADIVITWLPKGNKQPDIIKKFADAIPEGAIVTHACTIPTTKFAKIFKDLGREDLNITSYHPGCVPEMKG
QVYIAEGYASEEAVNKL YEIGKIARGKAFKMPANLIGPVCDMCSAVTATVYAGLLAYRDAVTKILGAPA
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>DM_train561

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FQLFSADNPEEFYKQYVATGTSLVITDPMVKSEFGKGGKYEKAYQIDFGNGYATEVVVNNVPKIT
PKKDVTVSLDPTSENLDGQTVQLYQTFNYRLIGGLIPQNHSEELDYDFVDDYDQAGDQYTGNYKTF
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>DM_train564

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ELSLLSLYGIHKQKEKSRQGGVLVNEILNHMKRATQIPSYKKLIMYSAHDTTVSGLQMALDVYNGLLP
PYASCHLTELYFEKGEYFVEMYRNETQHEPYPLMLPGCSPSCPLERFAELVGPVIPQDWSTECMTTN
SHQGTEDSTD

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>DM_train565

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YGADISGSLFDENTKQWNLGHLGTIQDLLEKECGVIEGVNTPYLYFGMWKTTFAWHTEDMDLYSIN
YLHLGEPKTWYVVPPEHGQRLERLARELFPGSSRGCAGFLRHKVALISPTVLKENGIPFNRTQEAGEF
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>DM_train566

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KFAHFEGFLWGDIDFEEQEISWIEQVDLSPVLDAMP LLNLIKGTNNLSIGKKPRPNLKSLEIISGGLP
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>DM_train581

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CPENVDISETDFRRFQMIPLDPKGT SQNDPNWVVRHQGKELVQTVNSDPGLAVGYDEFNAVDFSG
TFFINTERDDDYAGFVFGYQSSSRFYVVMWKQVTQSYWDTNPTRAQGYSGLSVKVKSTTGPGEHL
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LIGNGAQSEFQALAFHKHGLGIEIVAYDTPALAKLIANLKEYSGLTIRRASSVAEAVKGVDIITVTAD
KAYATIITPDMLEPGMH LNAVGGDCPGKTELHADVLRNARVFVEYEPQTRIEGEIQQLPADFPVVDL
WRVLRGETEGRQSDSQVTVFDSVGFALEDYTVLRYVLQQAIEKRGMGTKIDLVPWVEDDPKDLFSHT
RGRAGKRRIRRA

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>DM_train583

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KNPFEGVDELKARINEVAEKIEAENAELNSL PARIFIDHAFNVTGKGCVLGVLGQVKGISKDKDKTKIFPL
DRDIEIRSIQSHDVIDSAPAGTRVGMRLKNVQAKDIERGFIISDKEIVTTDYTLECTVSKFTKKIEPASVL
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>DM_train584

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QRGGEERLYLQQTNLNDTVGRKIVMDFLGFNWNWINKQQGKRGWGQLTSNLLLIGMEGNVTPAHY
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>DM_train608

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ARFRVGSDIYARQHKTGYLSTLRQRHVVDGNVTFRFKGKHGVSQHKATSDRTLAANMQKLLDLP
GPWLFQTVDAGGGERRRIHSTELNAYLREVIGPFTAKDFRTWGGTLLAAEYLAQQGTESSERQAKKVL
VDCVKFVADDLGNTPAVTRGSYICPVIFDRYLDGKVLDDYEPRTERQEAEELEGLRSEGALKRMLESER
TLRQRGRALK

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>DM_train610

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SLVGGETAEMPGMYHGedydvagfcvGVVEKSEIDGSKVSDGDVLIALGSSGPHSNGYSLVRKILEV
SGCDPQTTELDGKPLADHLLAPTRIYVKSVELEKVDVHAIHLTGGGFWENIPRVLPDNTQAVIDES
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>DM_train611

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VGFLLMMSHMIPAEKLAEQGLMESYGATCIYMADSGGAMSMNDRMRRAFKAVLPETQVGMH
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LDLLAAHKENRA

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>DM_train613

MPARALLPRRMGHRTLASTPALWASIPCRSELRLDLVLPSPGQSFRWREQSPAHWGVLADQVWTL
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>DM_train627

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LIKIFHSLGPEKFLVEQTFPPNHKPMVTAPHFPVVKLGHAGMGKIKVENQLDFQDITSVVAMAK
TYATTEAFIDSKYDIRIQKIGSNYKAYMRTSISGNWKANTGSAMLEQVAMTERYRLWVDSCEMFGG
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>DM_train628

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MGVMSLTLQYNNWTSVRKFINLAGGIRGLYSCYYTGYANAAAPTCSQNYNYSYTFGFFPEGW
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AAEYTTGPKAAY

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>DM_train629

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MNSVYYYKKEKDGPFTSKLDDSEVKKQKGQMASEILSRLRENDLKDPIHFAYIKQSSEDSITPGEFIT
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>DM_train630

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NSGIPNRAFYLAATALGGYAWEKAGYIWYD TLCDKALPQDADFATFARTTVKHAEQRFDSKVAQKV
QAWHQVGVA

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>DM_train631

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EWDKYCHYVAGLVGIGLSRFSASEFEDPLVGEDTERANSMGLFLQKTNIIRDYLEDDQQGREFWPQ
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APEGIAQFFVSEFHPERFSDAFREAVGRVTGNSADPLTPRAQTLLWQLDRDGLTVADGAELIGLLVP
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>DM_train633

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DAGGMVHLLMGNHEQMV LGGDLRYVHQRYDIATTLINRPNKLYSADTEIGQWLRSKNTIIKINDVL
YMHGGISSEWISRELTLDKANALYRANVDASKSLKADDLLNFFGNGPTWYRGYFSETFTEAELDTI
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>DM_train634

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>DM_train660

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>DM_train661

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AGILDKKPPPIERGLKMSKILQSIANHVLFTEEHMRPFNDFVKS NFDAARRFLDIASDCPTSDAVN
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>DM_train664

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VLIKIASTWEGIQAAARELEVKHGIHCNMTLLFSFTQAVACAEANVT LISPFVGRIMDFYKALSGKDYTAE
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>DM_train665

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YPFQVSHKNLWKLAVDGM RDLAGANPDVKFAIEYKPREPRVKMTWDS AARTLLGIEDIGLDN VGLL

DFGHALYGGESPADSQAQLIIDRGRFLFGMDVNDNLRGWDDDLVVGTVHMTEIFEFFYVLKINNWQGV
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>DM_train666

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AEFFAGARARKLHYDLHTAIRGSVFEKFAIYPFLHDGRTHKREQLAWLQRCGIEAVLLHTQPANTFSYF
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>DM_train668

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ATFNDNGMAYALTVLDFAAANKRAPFDTDFVSDNDRTRFKTAVTKGTDYILKAQWKQNGVLTWCA
QHGDALDYQPKKARAYELESLSGSESVGLAFLMTQPQTAEIEQAVRAGVAWFNSPRTYLEGYTDSS
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>DM_train669

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LKLAIAAGDAIADMAQVNKQTCFINMATGGFGTRITETPEKLKAALGSVSYIHHGLMRMDTLQPDRCE
IRGENFWQGDALVIGIGNRQAGGGQQLCPNALINDGLLQLRIFTGDEILPALVSTLKSDEDNPNIIE
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>DM_train670

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ASGFNFKRRSTVLSGNFGEVRLGRDLVPTSQKLTYSYDLFSATGIGPFMGRNWAAGQGADDNGIRA

GHTEFFADRSHCQRVVMMLATEELRVALATTHLPLLAVPGAITQASLHEVITILDNDLTKFGITQPQI
YVCGLNPHAGEGGHMGHEEIDTIIPALNTRQQGINLIGPLPADTLFQPKYLQHADAFLAMYHDQGL
PVLKYQGFGRAVNITLGLPFIRTSVDHGTALELAATGTADVGSFITALNLAIKMINNSNE
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>DM_train675

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FEEAALAGEVQLPVFVKPRNGSASIEVRRVETVEEVEQLFSKNTDLIVQELLVGQELGVDAYVDLISGKV
TSIFIKEKLTMRAGETDKSRSVLRDDVFELVEHVLDGSGLVGPLDFDLFDVAGTLYLSEINPRFGGGYPH
AYECGVNFPALYRNLMEINVPQIQYLDIYMLKHDTVTLISAAELQKIKR
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>DM_train676

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TIGDTTYPLDNPFLVATQNPVEQEGTYLPEAQVDRFMMKIHTYLDKESELEVMRVSNMNFNYQ
VQKIVSKNDVLEIRNEINKVTISESLEKYIIELVFATRFPAEYGLEAEASYILYGASTRAAINLRVAKAMAF
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>DM_train677

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KFAFVLFDAVVVSGVTVSQMDLASRFFAMKRSLEKFKNPEDPAILRYKEWIPLEHPTIHKDHLKKANAI
YHTDGLIIMSVDEPVIYGRNFNLFKLKPGTHHTIDFIIMSEDGTIGIFDPNLRKNVPGKLDGYNKGIV
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>DM_train678

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LKSTVEAIWAGIKATEAAVSEEFGLAPFLPDQIHVHSQELLSRYPDLDAKGRERAIKDLGAVFLVGIG
GKLSDGHRHDVRAPDYDDWSTPSELGHAGLNGDILVWNPVLEDAFELSSMGRVDADTLKHQALALT
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>DM_train679

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AFRAEESRQLAEVALAYAKAGCQVVAPSDMMDGRVEAIKEALMAHGLGNRVSVMSYSKAFASCFY
GPFRDAAKSSPAFGDRRCYQLPPGARGALRAVDRDREGADMLMVKPGMPYLDIVREVKDKHPDL
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>DM_train680

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EGGRYRVFGETLDIGIGNAIDVFARELGLFGPGPKVEKLAEKGEKYLPIYAVKGMDFSGLLTEAIRK
YRSGKYRVEDLAYSFQETAFAALVEVTERAVAHTKDEVVLVGGVAANNRLREMLRIMTEDRGIKFFV
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>DM_train681

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LQKEADMLTHIAASGMRMLDFNALGWSWQTFEKFMVNLPLTVRPLIEYVEDPPFDFHAWGEARKL
AKIALDNQYDKVPWGKIASAPFDVIVKPAKTDVDKAVAQCQKWNLKLAVTSYMDHPVGVVHAVG
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>DM_train682

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VSDLINPHPMFVPWLVGPLLTGDGVHLVKSFYRRPLNVGDAGGGAGATGGGRVTELVARPLLAAL
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>DM_train683
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MENIGLRKGEKDMAPDGKGRVRMDFIMP SRGLIGFQTEFMTLTSGSGLLYHTFDHYGPHKGGNIG
QRVNGVLIANAAGKALTNALFNLQERGRLFIGHGVEVYEGMVIHRSRDNLDLTVNALKGKQLTNVRA
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>DM_train684
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SHMLAELKGIFPSGLFQGDTRITKADAAEFWRKAFGEKTIVPWKSFRQALHEVHPISSGLEAMALKSTI
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>DM_train685
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VLLSHSQSGIYPFQTAAMNPKGITAI VSVPEGCEPKPEDVKPLTSIPVLV VFGDHIEEFPRWAPRLKACH
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>DM_train687
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WNFPSPYYRLRFKVPRSNITVAIFMLDTVMLCGNSDDFVSSQQPEMPRDLGVARTQLSWLKKQLAAA
KEDYVLVAGHYPIWSIAEHGPTRELVKLNLRPLLAAYGVTAYLCGHHDHNLQYQLQDENGVGIVLSGAG
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>DM_train689

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IDRKDLVMTNQEIEQTPKTVRLGIVGKGGQGERIYSTRGIAITLSAYGGGIFAKTGGYLVNGKTRKLRP
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>DM_train690

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VVAGKGGWGQAKPVERAFGVGGLEEYVDKHPALAGAYTGPNPQAKPDNYGDRAVDAELFLKTLAEG
VAMFNARTGRETEMCGGKLSFDDVFEREYARTIVRKPTTEEQRMLLLPAAVNVSRKGEFTLKVGGSL
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>DM_train691

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IFEHNEKLYYVWAQQDINIKGHSNIYAEMENPWTLTKPVMMLTKPELEWEIKGFVWNEGPVAVLKKNG
KIFITYSASATDVNYCIGMLTAEENSLLDKNSWTKSQTPVFKTSMENHQYGGPHNSFTVSEDGKHD
VIVYHARNYTEIKGDPLYDPNRHTRAQIINWREDGTPDFGVPEVDSLEIETPVKA

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>DM_train693

MRGSHHHHHHTDPINKDIYQALQQLIPNEKIKVDEPLKRYTYTKTGGNADFYITPTKNEEVQAVVKYA
YQNEIPVTYLGNLIIIIRREGGIRGIVISLLSLDHIEVSDDAIIAGSAAIIDVSRVARDYALTGLEFACGIP

GSIGGAVYMNAGAYGGEVKDCIDYALCVNEQGSLIKLTTKELDYRNSIIQKEHLVVLEAAFTLAPGK
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NVDNGTATDYENLIHYVQKTVEKEFGIELNREVRIIGEHPKESLQPSLIS

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>DM_train694

MSATSTATSTSASQLHLNSTPVTHCLSDIVKEDWSDFKFAPIRESTVSRAMTSRYFKDLDKFAVSDVII
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YVVVKHAALFISTVLSKVLQLPNVKLFNATCVELVTRPTEKGEVTVAGVVNTWTLTQAHTGTQCA
MDPNVIELAGYKNDGTRDLSQKHGVLSTTGHDGPFQAFCAKRIVDIDQNQKLGGMKGLDMNHAE
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>DM_train695

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GELHGTEVDFDSIAVPEGLREELLSIIDVIASLSGEELFRKLDLDFSRSEVRKIVESVKAVGAGEKAKIMRGY
CESKIDFPVVGDSISDYKMFEEARGLGGVAIAFNGNEYALKHADVVISPTAMSEAKVIELFMERKE
RAFEVLSAVSIPETIYIMENSDFGEVLEKSKRMVRRLRGLAGELGGS

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>DM_train696

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VRQFNITRLMRPQGVGAALYLLNQGIIEQQPGYGVVIDVGSRTTDLTINLMDMEPVVELSFLQIGV
GDAISALSRKIAKETGFVVPFDLAQEALSHPMFRQKQVGGPEVSGPIEDLANRIIENIRLNLARGEVDR
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>DM_train698

MRVLIVKTSMSGDVLHTLTPALTDAAQQAIPGKFDVVVEGFAQIPSWHAAVERVIVVAIRRWRKAWF
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KAKVLTLINPADRAYSWYQHQRHDDPVALKYTFHEVITAGSDASSKLRLALQNRCLVPGWYATHIER
WLSAYHANQILVLDGKLLRTEPAKVMQKFLGVTNTIDYHKTALFDPKKGFWCQLLEGGKTKCL
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>DM_train703

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KYIRYEATVAGGVPLFSVLDYSILPSKVKRFRGIVSSTINYVIRNMANGRSLRDVDDAIKKGIAESNPQ
DDLNLGLDAARKSVILVNHIFGTEYTLNDVEYSGVDERSYNANDRLVTEVYVDDRRPVAVSRIISLNKD
DFLMSIGMDGLGYQIETDSNGTVNVSDIYDGPYETAGAVVNDILLLSKVQK

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>DM_train705

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VFDSKGGFYFTDFRGYSTNPLGGVYVSPDFRVTPIIQNISVANGIALSTDEKVLWVTETTANRLHRIA
LEDDGVTIQPFGATIPYYFTGHEGPDSCCIDSDNLYVAMYGGQGRVLVFNKRGYPIGQILIPRDEGH
MLRSTHPQFIPGTNQLIICSNDIEMGGGSMYTVNGFAKHGQSFQFQ

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>DM_train706

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VIQADVAQTNGYVHIIHDHVLGVYPTTVLGLKLESDPMMSDITYKMGKFSHFNDQLNNTQRRFTYFVPR
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>DM_train709

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DAFESALVDFLSKASDTRARAEALRAAMISVDLADGDEFLLSPAGQNPLKKMVEEFMPRFAPGAK
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>DM_train719

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 IVSEDGTIYVGSNDNYLYAINPDGTEKWRFKTDAITSAASIGKDGTYFGSDKVYAINPDGTEKWNFY
 AGYWTVTRPAISEDGTIYVTSLDGHLYAINPDGTEKWRFKTKGRIESSPVIGNTDTIYFGSYDGHLYAIN
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>DM_train720

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 MKFVEGFADGEVLFKEEAQAFRQDEASTDLPYIYLSAGVSAKLFQDTLVFAAESGAKFNGVLCGRA
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>DM_train721

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 SEQQQLQWLDAVLTLSDHKQERVLIFSHLPVHPCAADPICLAWNHEAVLSVLRSHQSVLCFIAGHDHD
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>DM_train722

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PNALSVDGWKVLWDKSEERADEVEKGLREEIRPEIDYLAHHWPKDLPGVHADLFQDNVFFLGDEL
SGLIDFYFACNDLLAYDVSICLNAWCFEKDGAYNVTKGKALLEGYQSVRPLSEAELEALPLLSRGSALRF
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>DM_train723

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GFEALFETHIHPHLLHAMAPRGDGPPELLAYRAVLQSVVAGDRHAIYRGAEIERSFLRRPVELPERETVTV
ENHVMVPEDKHAWEQVAILLQVAQDTFEPQDEPSGVGLPGARDNRYRKALSTEILRNAHADG
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>DM_train724

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DEFTQYPLVMGLILGTGVGGGLVLNGKPI TGQSYITGEFGHMRLPVDAL TLMGFDFPLRRCGCGQMG
CIENYLSGRGFAWLYQHYYDQSLQAPEIIALWEQGDEQAHAHVERYLDLLAVCLGNILTIVDPDLLVI
GGGLSNFTAITTQLAERLPRHLLPVARAPRIERARHGDAGGMRGAAFLHLTD

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>DM_train725

MLVPRGSMLDFEKLFEIRNKIESLKESQDKNDVDLQEEIDMLEASLERETKKIYT NLKPWDRVQIARL
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PEGYRKALRLMKQAEKFNRPIFTFTKGAYPGKAAEERGQSESIATNLIEMASLKVPVIAIVIGEGGSGG
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DIEQQALAIKSAFVAQLDSLESLSRDEIANDRFEKFRNIGSYIE

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>DM_train728

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TFTIKDVKVM PESIPAGYEVLQELDELDSLLIIDLGTTLDISQVMGKLSGISKIYGDSSLGVS LVTSAVKD
ALSLARTKGSSYLADDIIIHRKDNNYLKQRINDENKISIVTEAMNEALRKLEQ RVLNLTNEFSGYTHVM
VIGGGAELICDAVKKHTQIRDERFFKTNNSQYDLVNGMYLIGN
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>DM_train729

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SLVDDFARRMHRRVQIFSLLEAANYIDETDPSWQIYWLLNKKTKELIGFVTTYKYWHYLGAKSFDEDI
DKKFRAKISQFLIFPPYQNKGHGSCLYEAIQSWLEDKSITEITVEDPNEAFDDLDRNDIQRLRKLGYD
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>DM_train730

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GWMTKGILSKDYYYYRGVYLDAVRALEVIQSFPEVDEHRIGVIGGSQGGALAIAAAALSDIPKVVAD
YPYLSNFERAVDVALEQPYLEINSYFRRNSDPKVEEKAFETLSYFDLINLAGWVKQPTLMAIGLIDKITPP
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>DM_train731

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REMADEILEPVFLFMRAQTDRTRARPMGLGGYLEYRERDVGKELLAALMRFSMGLKLSPELQ RVREI
DANCSKHLSVNDIYSYEKELYTSKTAHSEGGILCTSVQILAQEADVTA EAAKRVLFVMCREWELRHQ
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>DM_train733

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VQRIWTTTSDGEAVELASELTKRELTSFVVLVPGTDPVQLRLTRPQLTKVLNATGADSATPTTFEL
GVNGKFSVFTTSTCVTFAREEGVSSSTSTQVQILSNALTKAGQAAANAKTVYGENTHRTFSVVDD
CSMRAVLRRLQVGGGTLPFLTPVPSLCVTATGPNVAVSFLKPQK
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>DM_train734
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PKLQWYKDCPLLDNIHFSGVKDRLIVMNVAEKHRGNITCHASYTYLGKQYPIITRVIEFITLEENKPTR
PVIVSPANETMEVDLGSQIQLICNVTGQLSDIAYWKWNGSVIDEDDPVLGEDYYSVENPANKRRSTLI
TVLNISEIESRFYKHPFTCFANKTHGIDAAYIQLIYPVTNFKQ
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>DM_train735
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GRDQNTVETLQRMHTTFEHDIQALGTQVRQLQEDAARLQAAYAGDKADDIQKRENEVLEAWKSL
DACESRRVRLVDTGDKRFFSMVRDLMLWMEDVIRQIEAQEKPRDVSSVELLMNNHQGIKAEIDAR
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>DM_train736
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GLSSTVIAAFVNVFGLVSSSHNTDQDALAALRLTTAQTATYNRNFPSAGLGAPGSCQTGAATETV
GGSQHLLYSWGGTAIQPTSTVLGVTGATDTSTGTLVDVANVTDPSTLALLATGAVMINRASQNDGL
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>DM_train737
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KTELVTMINSGDWEGLLRRRIKIKPGDFYVPSGTLHALCKGALVLETQQNSDATYRVYDYDRLDSNGS
PRELHFAKAVNAATVPHVDGYIDESTESRKGITIKTFVQGEYFSVYKWDINGEAEMAQDESFLICSVIEG
SGLLKEDKTCPLKKGDHFLPAQMPDFTIKGTCTLIVSHI

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>DM_train738

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QHEALADERHRLHAALHKTVYIAPLGKHKLPEGGEVRRVQKVQTEQEVAEAAGMRYFRIAATDHVW
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>DM_train739

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GITKLNQAQKSLLVSSQSFNNASGKLLALDSQLTNDFSEKSSYFQSQVDKIRKEAYAGAAAGVVVGP
GLIISYSIAAGVVEGKLIPELKNKLKSVQNFFTTLSNTVKQANKDIDA AKLKLTEIAAIGEIKTETETTRYF
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>DM_train742

MSLEVKVGLAPMAGYTDSAFRTLAFEWGADFAFSEMVSAGFLMNSQKTEELLQPHERNVAVQIF
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WEKNEVEEYRILVEEGVDEVIHTRTVVQSFTGRAEWKALSVLEKRIPTFVSGDIFTPEDAKRALEESGC
DGLLVARGAIGRPWIFKQIKDFLRSYGKYSEPSREEILRTFERHLELLIKTKGERKAVVEMRKFLAGYTKDLK
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>DM_train743

MPKPYVAINMAELKNEPKTFEMFASVGPVKCMVTARHPGFVGFQNHQIGILPFGNRYGGAKMDMT
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FTAVVGKKFAEGKPLDIPVISQPYGKRVAFAEHVIPGKEKQFEDAIVRTLEMLKKAPGFLGAMVLKEI
GVSGIGSMQFGAKGFHQVLENPGLSLEPDNMMYVPEAKNTPQQYIVHVEWANTDALMFGMGR
VLLYPELRQVHDEVLDTLVYGPYIRILNPMMEGTFWREYLINEQAWRHPQFGG

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>DM_train744

EGGDFVVGMMVTDSDGIDDKSFNQVWEGISRFAQENNAKCKYVTASTDAEYVPSLSAFADENMGL
VVACGSFLVEAVIETSARFPKQKFLVIDAVVQDRDNVVSAVFGQNEGSFLVGVAAALKAKEAGKSAV
GFIVGMELGMMPLFEAGFEAGVKAVDPDIQVVVEVANTFSDPQKQALAAKLYDSGVNVIFQVAGG
TGNVGIKEARDRLNGQDVWVIGVDRDQYMDGVYDGSKSVLTSMVKRADVAERISKMAYDGSF
PGGQSIMGLEDKAVGIPEENPNLSSAVMEKIRSFEEKIVSKEIVPVRARMMN

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>DM_train745

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EMVLRGIFTLRQRLHWYYQDGASRFFPEKWERVLSILSDDERKDVAAYRQRRLTSADPQVQLEAAKL
WSVWEGETVTLPSRESASFGEDDFALAFARIENHYFTHLGFLESDDQLLRNVPLIRHIPAVIVHGRYD
MACQVQNAWDLAKAWPEAELHIVEGAGHSYDEPGILHQLMIATDRFAGK

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>DM_train746

MAELACFCYPHLENDSYKFIPFNLAIKAMLTAKVDKMDKFDYSIIYGIAPPQFKKRYNTNDNSR
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>DM_train747

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DGGCALLEKYSEKCHDFQCALLANLFASEGQPGKIVIEVKAKRRTGPLNFVTCMRETLEKHYGNKPIGM
GGTFIIQKGVKSHIMPAEFSSCPLNSDEEVNKWLHFYEMKAPLVCLPVFVSRDPGFDLRLEHTHFFSR
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>DM_train754

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GREEAEELSRRYGWVFKRDPRGGFRRVPSRPSIVDRDLIAEASAESPAVVALGGGGVPVVERPGG
VLEPVEAVVDKDLASSLLATQLNADLLVILTDPGVAVNYGREGERWLRRAAASELKKYLREGHFPPG
SMGPKVEAAISFVERTGKPAVIGSLEEARQVLSLQAGTVVMLG
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>DM_train755

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VQGMFSIAAVLILNLDTADAFIAFSNLLNKPCQMAFFRVDHGLMLTYFAAFEVFFENLPLKFAHFKN
NLTPDIYLIDWIFTLYSKSLPLDLACRIWDVFCRDGEEFLRFTALGILKLFEDILTKMDFIHMAQFLRLPE
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>DM_train757

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SLDVAEVFKPIFVDNLIIRLIQENKIDKTHFSTELNMTFLNEIGRKVFLKAFNELLETTIFYPKLNKRVSHRT
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>DM_train758

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VL RATGTEPDGGVEAF LDCEP LLRFYFPQVPEHRS AEEQPLRMAPHYDLSMVTLIQQTPCANGFVSL
QAEVGGAF TDLPYRPDAVLVFCGAIATLV TGGQVKAPRHHVAAPRRDQIAGSSQTSSVFFLRPNADF
TFSVPLARECGFDVSLDGETATFQDWIGGNVYVNI RRTSKA

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>DM_train769

GQDYSGFTLTPSAQSPRLELTFTEQTTKQFLEQVAEWPVQALEYKSFLRFRVAKILDDL CANQLQPLL
LKTLLNRAEGALLINAVGVDDVKQADEMVKLATAVAHLIGRSNFDAMSGQYYARFVVKNDNSDSY
LRQPHRVMELHNDGTYVEEITDYV LMMKIDEQNMQGGNSLLLHLDDWEHLDN YFRHPLARRPMRF
AAPP SKNVSKDVFHPVFDVDQQGRPV MRYIDQFVQPKDFE EG VWLSELSDAIETSKGILSV PVPVVGK
FLLINLFWLHGRDRFTPHDLRRELMRQRGYFAYASNHYQTHQ

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>DM_train770

AAASMDAVTAEKFSPASFLDKKETGVLHFVKYHGLGNDFILVDNRDSSEP KITQEQA AKLCDRNFGV
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QDDGQVKVDMGT PILKAQDVPTKLSGNKGEAVVEAELVVDGVS WNVT CVSMGNPHCITFGKKG
PNLKVDDLNLPEIGPKFEHHEMFPARTNTEFVEVLSRSHLKM RVW ERGAGATLACGTGACALVVAAV
LEGRADRKCTVDLP GGP LEIEWKQEDNHIYMTGP AEAVFYGSALL

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>DM_train771

MANPLYHKHIISINDLSRDELELVR TAASLK KTPPELLKHKVIASCF FEASTRTRLSFETSIHRLGASVV
GFSDSSNTSLGKKGETLADTMSVISTYVDAIVMRHPQEGASRLAAQFSGNVP IVNAGDGANQHPTQ
TLLDLFTIQETQGRLDNINIAMVGD LKYGRTVHSLTQALAKFNGNHFFFIAPDALAMPAYILQMLEEKE
IEYSLHESLEEVPELDILYMTRVQKERLDPSEYANVKAQFILRSSDLTGARDNLKVLHPLPRIDEITTDV
DKTPYAYYFQQAGNGIFARQALLALVLNAELAL

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>DM_train772

EANAPGPVPGERQLAHSKMVPIAGVFTMG TDDPQIKQDGEAPARRVTIDAFYMDAYEVSNTFEFEK
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PVLHVSWNDAVAYCTWAGKRLPTEAEWEYSCRGGLHNRLFPWGNKLPKQGHYANIWQGEFPVT
NTGEDGFQGTAPVDAFPPNGYGLYNIVGNAWEWTSDDWWTVHHSVEETLNPKEGPPSGKDRVKKGG
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>DM_train773

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HGPVATGLGLSPLSAPREQQERLASLASVSRLLAGIDHELPVQHLGGHKQAVEGALIGGNLTALACM
AGTLGGLHAPAGSILVLEDVGEPPYRLERSLWQLLESIDARQLGAICLGSFTDCPRKEVAHSLERIFGEY
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>DM_train774

GPANANPIPEHFFAPYIDMSLSVHKPLVEYAKLTGTYFTLAFILYSSVYNGPAWAGSIPLEKFDVDEVRELR
EIGGEVIAFGGAVGPYLCQASTPEQLAEWYIKVIDTYNATYLDIEAGIDADKLADALLIVQRERPW
VKFSFTLPSDPGIGLAGGYGIETMAKKGVRVDRVNPMTMDYWTSPNAENAIKVAENVFRQLKQIYP
EKSDEEIVKMI GLTPMIGVNDDKSVFTLEDAQQQLVDWAIQHKGISLAFWSVDRDHPGPTGEVSPLHR
GTNDPDWAFSHVFKFMEAFGYTFAQTSEASVPT

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>DM_train776

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RGVAATASDLLAKMGRPLGFTLGLFLPEDLEEGFVLELVRGAAEAAKRLGAFLLGGDTNRGVEVALTV
SGYALAEAPLPRKALPGDLLYLAGDRWGRTGAAIRAHYEGRSLEGFPKIREAAFYPLPRLELLALSGLLR
GSLDSSDGLAETLWQLADLGVGVEVEALPLYPDVLAFAFGSEEALELVLYGGEEFEAVLVVPQEGAAA
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>DM_train777

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YGRMLGNYPGGVSERVKTAAAAFEEAGIDGIATENITTARWQKCVWNAAFNPLSVLSGGDLTDILS
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AGRRTVAIPHLESVYALMKLLELRTSKSLWGN

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>DM_train786

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DNHKDCSGVSVHLTRVPQPLIAGMYLMMSVDTVIPPGEKVVNADISCQYKMYPMHVFAIRVHHTH
LGKVVSGYRVRNGQWTLIGRQNPQLPQAFYPVEHPVDVTFGDILAARCVFTGEGRTEATHIGGTSSD
EICNLYIMYYMEAKYALS FMTCTKNVAPDMFRTIPAEANIPIP

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>DM_train788

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NGVILVDHNERQQSIKDIEEVQVLEVIDHHRIANFETA EPLYRAEPVGCTATILNKMYKENNVKIEKEI
AGLMLS AISDSLLFKSPTCTDQDVA AAKELAEIAGVDAEEYGLNMLKAGADLSKKTVEELISLDAKEFT
LGSKKVEIAQVNTVDIEDVKKRQAELEAVISKVVAEKNLDFLLVITDILENDSLAL AIGNEAAKVEKAFN
VTLENN TALLKGVVSRKKQVVPVLT DAMA E

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>DM_train789

MGSSHHHHSSGENLYFQGHMKHGIYYSYWEHEWSA KFGPYIEKVAKLGF DIIEVA AHHINEYS DAE
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PVDKAGDYARGVEGINGIADFANDLGINLCIEV LNRNFENHVLNTAAEGVAFVKDVGKNNVKVMLDT
FHMNIEEDSFGDAIRTAGPLLGHFHTGESNRRVP GKGRMPWHEIGLALRDINYTGAVIMEPFVKTGG
TIGSDIKVWRDLSSGGADIAKMEDEDARNALAFS RFLVGG

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>DM_train790

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IRASFLAGACGSVGFNIEKGVVNFYMHLELPNALHTGTDLMGEFYGGYVDEEVAQRVPPDNLVTN
NIVAWLYAAIISVKESSFSQPKWLESTTVSIEDYNRWASDNGFTPFSTSTAITKLSAITGVDVCKLLRTIM
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>DM_train792

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YQYMDEAQERHMLEAIRILTELTGQRPVGYWTGRTGPNTRRLVMEEGGFLYDSDTYDDLPLYWDP
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>DM_train793

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VSISPAMEVEASLEKINRTALLMFRKKAKEVGKERPKFRVTARRITKEFPLDSLEIQAKVGEYILNNENCE
VDLKNYDIEIGIEMQGKAYIYTEKIKGWGGLPIGTEGRMIGILHDELSALAIFLMMKRGVEVIPVYIGKD
DKNLEKVRSLWNLLKRSYSGKGLVVAESFDRVLKLIRDFGVKGVKGLRPNLDLNSEVSEITEDFKMFP
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>DM_train794

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PPLEGETRAAIINALHLTDDILPGLPIQVATTGHSKVMIPKPEVDIDALSPDLNALTAKKIGCNGFFP
FQIRPGKNETDGRMFSPAIGIVEDPVTGNANGPMGAWLVHNNVLPDGNVLRVKGHQGRALGRD
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>DM_train795

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VKKFSLEGHKILIISDGDFTQLHKYPNVKQWSPMHKKVVKIKSGSAEIDCMTKILKGDKKDNVASVK
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>DM_train800
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GVVNLRTLEKALGFDYLSLPIDELNDLDFEGHKLKGEVFRDCFEHHWDTLDSTLDKVANTSVPLIA
FTANNDWVKQEEVYDMLAHIHRTGHCKLYSLGSSHLDGENLVLRNFYQSVTKAAIAMDGGSLIED
VDFIEPDFEQLTIATVNERLKAIEIENRTPEMA

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>DM_train801
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NPVNVYVAGLLHDVGEVFINFFRGKEFSQVVTLVDEEKITFGQAEERLFGTSHCEVGFALAKRWLNEF
ICDTILYHHDIEAVPYKQAAIVAMVAFADYEYCTLRRLGFEGHKPVDSVRTLLENHPSWGVIRRS LGSD
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>DM_train802
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VQGAIGKSFQKNQIGKLVLDLMPGVVQYTSNKRNTMLISAKTTLRERWQEVPEEVNRTGIREMYLA
TLDDSFSEETINILYEANVVVVTTVENKNFKYKNNNRVLTFEDMLQSAMELSRKWNNVSYTDSEKEEI
QQSILKQIEKYSDFPYVVNYRNRLSALFD

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>DM_train803
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LLGGVAIPERHMKNNTDEHLRIIDKINKGCKYFITQAVYNVEAAKDFLSDYYYYSKNNNLKMPVIIFTLT
PCGSTKTLEFMKWLGISIPRWLENDLMNCEDILNKSVLSKSFNLMFCLEKGIPIGCNIESVSVRKVEI
EASIALAKDIKYMKG

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>DM_train808
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DVEGKTPVEEYEVNAVFWERCTELQDIERIMGQIERGEGKIQRRLSIKKALDQKMSRYRAPFHQLRLQY
GNKKGKNTYIEDRFLVCMHLKLGFDKENVYELRAAIRASPQFRFDWFIKSRTALELQRRCNTLITLIE
RENIELEEKERAEEKKKKPKGSVSAGS

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>DM_train810
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SWITFLAKGEVLQMEDDLVISFQLMLCVLDYFIKLSPPMMLLKEPYKTAVIPINGSRPTPRRQGNRSARI
AKQLENDTRIIEVLCKEHECNIDEVKNVYFKNFIPFMSNLGLVTSNGLPEVENLSKRYEEIYLKNDLDA
RLFLDHDKTLQTDSIDSFETQR

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>DM_train811
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PDLRLRLNSLNGEFWIRV MYLHPDHLTEEIISAMLELDKVVKYFDVPVQHGS DKILKLMGR TKSSSEELK
KMLSSIRERFPDAVLR TSIIVGFPGETEEDFEELKQFVEEIQFDKLGAFVYSDEEGTVAFNLKEKVDPEMA
KRRQEELLLLQAEISNSRLDRFVGGKLLKFLVEGKEGKFLVGR TWTEAPEVDG VV FVRGKGKIGDFLEVI
KEHDEYDMWGSVILEHHHHHH

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>DM_train812
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FLIAPEDDFLLYTLTKKAEKYCENLGSSRAIAVTS DKWELYKKLRGEVQVPQTSLRPLDCKFIIKPRTAC

VCKGLNHGEIAAKYGLKVAYHHMGTGIQTKEETDRLMANTDPKLVGLLYDTGHIAVSDGDYMAL
LNAHIDRVVHVHFKDVRRSKEEECRACKLTFQGSFLNGMFTVPGDGDLDKPKVYDKLIANNYKGWIV
VEAEQDPSKANPLEMAQIAHRYIKQH LIEN

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>DM_train826

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ADCEQVYLFHGSAGGQFVHRLMSSQPHAPFHAVTAANPGWYTLPTFEHRFPEGLDGVGLTEDHLA
RLLAYPMTILAGDQDIATDDPNLPSEPAALRQGPHRYARARHYEAGQRAAAQRGLPFGWQLQVV
PGIGHDQGAMSQVCASLWFDGRMPDAAELARLAGSQA

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>DM_train827

ATGDFPNKPLDIIVTFPPGGGTDMLARLIGNYLTESLGQTAVVENRPGASGNVGARLVADRAPDGYS
LLMVNSSFAVNPGVFRNLPDFPKKDFAAVINVAYVPSVFVVPAGSKYKTLGELMAAAKQTNTQVTYG
SCGNGTQPQHLAGELLNVSATKTHMVHVPYKGC GPALNDVLGSQIGLAVVTASSAIPFIKAGKLQALAV
TSKERSALLPEVPTVAEQGVAGYELNQWHGLLVPGATPMAVRQKLYDGIKVMQRDDVQKKLADL
GYSTASDGPEVFQKMOVETDIDRFSALTKQIGLKV D

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>DM_train828

QGLVPQGGTQVLQGGNKVPVNIADPNSSGGVSHNKFQQFNVANPGVVFNNGLTDGVSRRIGGALT
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GRIGLDVQQTGTVTIERGGVNATGLGYFDVVARLVKLQGA VSSKQGKPLADI VVAGANRYDHATRR
ATPIAAGARGAAAGAY AIDGTAAGAMYKHLTVSSDSGLGVRQLGSLSSPSAITVSSQGEIALGDAT
VQRGPLSLKAGVVSAGKLAGSGGAVNVAGGGAV

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>DM_train829

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MESHLSRNVAQEHLTSFYKTRDIENEKFDGLIITGAPVETLSFEEVDYWEELKRIMEYSKTNVTSTLHIC

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>DM_train839

GLDVAISQNGFFRLVDSNGSVFYSRNGQFKLDENRNLVNMQGMQLTGYPATGTPPTIQQGANPAP
ITIPNTLMAAKSTTTASMQINLNSTDPVPSKTPFSVSDADSYNKKGTVTVYDSQNAHDMNVYFVKT
KDNEWAVYTHDSSDPAATAPTTASTLTKFNENGEILESGGTVNITTGTINGATAATFSLFLNSMQQNT
GANNIVATNQNGYKPGDLVSYQINNDGTVVGNYSNEQEQVLGQIVLANFANNEGLASQGDNVW
AATQASGVALLGTAGSGNFGKLTNGALEASNVDLSK

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>DM_train840

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GDKRAVFPFDFKVSFEIDFDHPVFRGRTQQASVDFSSTSFVKEVSRARTFGFMRDIEYLRSQLAL
GGSVENAIVDENRVLNEDGLRYEDEFVKHKILDAIGDLYLLGNSLIGEFRGFKSGHALNNQLRLTIA
DKDAWEVVTTFEDARTAPISYMRP

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>DM_train841

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EVWFTENAANKIGRITKKGIKEYTLPNPDSAPYGITEGPNGDIWFTEMNGNRIGRITDDGKIREYELPN
KGSYPSFITLGS DNALWFTENQNNAIGRITESGDITEFKIPTASGPV GITKGND DALWFVEIIGNKIGRI
TTSGEITEFKIPTNARPHAITAGAGIDLWFTIEWGANKIGRLTSNNIIIEYPIQIKSAEPHGICFDGETIWF
AMECDKIGKLTNIKDNME

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>DM_train842

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DEQFDQLEKDYSQMDGFHDSIKYFKDEHYSVSCQNGSVLKSFKAKILKSHDYTDKKSIEAYEKYCLPK
LVDERNDYYVAVCVLKPFGFENG SNQVLSFEYNPIGNKVIVPFAHEINDTGLYEYDVVAYVDSVQFDGE
QFEFVQSLILPSSFKNSEKVLYYNEASKNKS MIYKALEFTTESSWGKSEKYNWKIFCNGFIYDKKSKVLY
VKLHNVT SALNKNVILNTIK

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>DM_train843

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AGVDVEVEVAEKG FARVRKFGSDHEFDVTNGIIFEA EVCETSGIFFRGRVGVKAGEKA VRSRSLQILE

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>DM_train849

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EGRNASEQVKMLQRIDAHNTRQPPEQKIRVSVEVEKPREELFQLFGYGDVVFVSKDVAKHLGFQSAE
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SVQEALRFGCQVAGKCKGLQGFDGIV

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>DM_train850

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AAELNQQFQEWGLENTVINNPEPDMKGTNTTSPRDLATLMLKIGQGEILSPRSRDRLLDIMRRTVTN
TLLPAGLKGATIAHKTGDIGIVGDAGMVDMPNGQRYVAAMMVKRPYNDPRGSELIRQVSRMVY
QAFEKLSPEQKLISEEDLNSAVDHHHHHH

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>DM_train851

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VSEDKFFTQEYSVYHDMCLNQKKNFNLI SLSTTPHGSRESLIKFLAEKDIYQKQYVITLQFVFLSDEF
SQDMLLDYSHNDKDSIKLKFEKHSISLDSKLVIIENGLDLPNLFSCDEHPNLPHSGMGIKQVFFPRDS
KSDGNNDPVPVDFYFIELNLSIEQFDSIFKKECETPIALVLKLLISDTKSFFLLNLNDSKNVNKLLTIS
EEVQTQLCKRKKKLT

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>DM_train852

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FEADVGSKTTHHFVYPESFRELAQEVSMILVPFKTTDLEWVISATTTGRISHTYVVPAAKIKVKKKILYH
PAFIKYVFDRWLQGHGRYPSTGILSVIFSLHICDEVDLYGFGADSKGNWHHYWENNPSAGAFRKTGV
HDGDFESNVTTILASINKIRIFKGR

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>DM_train853

AITKPLLAATLENIEDVQFPCLATPKIAGIRSVKQTQMLSRTEFKPIRNSVMNRLLELLPEGSDGEISIEGA
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NNITELLQYERDVLSKGFEGVMIRKPDGKYKFRSTLKEGILLKMKQFKDAEATIISMTALFKNTNTKTK
DNFGYSKRSTHKSJGKEEDVMGSIEDVDYDGVVFSIGTGFADQRRDFWQNKESYIGKMKVFKYFEM
GSKDCPRFPVFIGIRHEEDR

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>DM_train854

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EKGQADTAARKIEVCERAYRLLDVKVGFNPHDIIFDPNVAVATGIEHNHYAVDFIATGWIRKNLPG
AHSVGGVSNLSFSFRGNYYIREAMHAVFLYHAIQQGMDMGIVNPGTSVLYSDIPADTLEKIEDVVLN
RRPDAERLIELAEALKETMGG

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>DM_train855

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NVSAERAQIVDKGVQIHTLKRYNLPDTVVWNPNWIEKSQGMADFEPTGYQQMICIEPGHVHDFISL
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>DM_train856

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NITVKYGSFLEIPCEDNSYDFIWSQDAFLHSPDKLVFQECARVLKPRGVMMAITDPMKEDGIDKSSIQPI
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>DM_train857

MEGGMEKGTQIKTGAEMFKGGVIMDVTTPEQAVIAEEAGAVAVMALERVPADIRAQGGVARMS
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GEALRRIAEGAAMIRTKGEAGTGNVVEAVRHARTMWKEIRYVQSLREDELMAYAKEIGAPFELVKWV
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>DM_train865

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HRHILFLQESGHYAVTEDRSVGFQYCDVKISNDCVVIKSMNDRDFIKQYCIDASHMPSVIITSDV
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KLISTQIVERVSTTKI

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>DM_train866

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VHHQRLRDESLSFEEYLYGNTFCASEYVGDRLMHLHIDFQQPASLGLNTDLYREAKIDGSVSALMSLA
DHPEVPVSLMVHLFKEVPDGMYLTSRYWVGAHPSMARFPGAEGAASLLKENGFGAELETLAYEFAV
HDMCEFNHLASFLPDLYREFGTPAA

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>DM_train867

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VALAARHGVAAVVMHMPVPDPATMMAHARYRDVVAEVKAFLEAQARRALSAGVPQVVLDPGFGF
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>DM_train868

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GKLGIIIPMEVLKEGSVGMVSRGTLTYEIAHQIKKAGFGVSTCVGIGDPVGLRYKEVLDLFEKDDETE
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VAKNISDIPKLLAGILGK

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>DM_train869

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>DM_train874

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>DM_train875

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FNKKGIHFFNI

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>DM_train876

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FPAETVLYL GALPELSVSFLREQGFR TAWKDDPREVHFLYANSYERAAAAQLFEKWLETHPMPQALFT
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>DM_train877

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>DM_train892

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VEARALSERFSLTSW

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>DM_train895

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AVHVDLDFGVVADLLKWIGPHTRVKNRVKAPCPTGTQVILVHAGPPAIKFILTNGSELEFTSNRVSF
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KNYVGNSGKSR

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>DM_train896

GMEQATRITYSEYAAYPETQGIHAVEKRQPRDSLTDQFDVLLLITRDPSVEWTVKHYRLNTRVSLHL
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RNLFSRGNYYDAYTHVHHLHLARLSVLEKGAHPEVVVWEQARLDDPDVYKLYEQLLSEETLEQRI
HLALIGLEHLLQSKVLSGGKYLFEVMRERDRPWTMHHELMESRTELKVDLGLSLVDFFRKGLIRISYQR
TKGLGVELVITYEPVV

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>DM_train897

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QLEAGIRYIDIRAKDNLNIIYHGPIFLNASLSGVLETITQFLKKNPKETIIMRLKDEQNSNDSFDYRIQPLINI
YKDYFYTTPTDTSNKIPTLKDVRGKILLSENHTKKPLVINSRKFQMGAPNQVIQDDYNGPSVKT
FKEIVQTAYQASKADNKLFLNHISATSLTFTPRQYAAALNNKVEQFVNLNLTSEKVRGLGILIMDFPEKQT
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>DM_train898

MANGTYEDYQDTAKWLLSHTEQRPQVAVICGSGLGLVNKLTQAQTFDYSEIPNFPESTVPGHAG
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RDHINLPGFSGENPLRGPNEERFGVRFPAAMSDAYDRDMRQKAHSTWKQMGEQRELQEGTYVMLG
GPNFETVAECRLLRNLGADAVGMSTVPEVIVARHCGLRVFGFSLITNKVIMDTESQGKANHEEVLEAG
KQAAQKLEQFVSLLMASIPVSGHTG

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>DM_train899

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WIGRRSPDKSVAPGKLDNMVAGGQPADLSLRQNLIKECAEEADLPEALARQAIPVGAITYCMESPA
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NEPDYQEILAGLRGRPRERAAS

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>DM_train900

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AKQNTPNLLCETIESYCRHMEHIFTVDNLDYLARGGRISKTAAGFLLNIKPLLVHVEDGALIPLEKWR
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TIALFFLNKYIEI

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>DM_train903

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YNFRYAEPVDFTEGLPSFASIDVSFISLNLILPALAKILVDGGQVVALVKPQFEAGREQIGKNGIVRESSIH
EKVLETVTAFAVDYGFVSKGLDFSPIQGGHGNIEFLAHLEKTDSPQNDVPTSIKEVVAQAHEFKKNEE
ERSFGVNPDKCPRK

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>DM_train905

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IVSIGAFEHFGHQRYHHFEVTHRTLPAADGKMLLHTVIRPTFKEGREKGLTLTHELVHFTKFIKAEIFPGG
WLPSIPTVHEYAIEKVGRVTVAVQSLQLHYARTLDMWATALEANKDQAIAIQSQTIVYDRYMKYLTGC
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GTHMKSQIKRQRMIYHCKFGEFGVMEGQFTEPSGVAVNAQNNDIIVADTNNHRIQIFDKEGRFKFQFG
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VECKVMRVIIFDQNGNVLHKGCGSKHLEFPNGVVNDKQEIFISDNRAHCVKFVNYEGQYLRQIGGE
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>DM_train912

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EGLVLINIDPNAKGMWDWAHKLTLTSSIPDMILGHLFSQEELSGNSELIQKYRGIQHAPNLENIELY
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>DM_train913

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YPPGRYEVPIRDESIARAYRDDVLEHIIKVEKGGALVDVRSPQYRGE LTHMPDYPQEGALRAGHIPG
AKNIPWAKAVNPDGTFKSAEELRALYEPLGITKDKDIVVYICRIERSSHWSFVLKYLGLGYPHVKNYDGS
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>DM_train914

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VNRLPLEALARLLRELGEEPQAYRIARAIVAAREKAPIETTTQLAEIVRKAVGFRRAGHPARKTFQALRIY
VNDELNALKEFLEQAAEV LAPGGRLVVI AFHSLDRVVKRFLRESGLKVLTKKPLVPSKEAAQNPRAR
SAKLRAAEKEAP

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>DM_train915

MFKDFNRTKKKKYLTVQDSKNNDVPAGIMTKCPKCKKIMYTKELAENLNVCFNCDHHIALTAYKRIE
AISDEGSFTEFDKGMTSANPLDFPSYLEKIEKDQQKTGLKEAVVTGTAQLDGMKFGVAVMDSRFRMG
SMGSGVIGEKICRIIDYCTENRPLFILFSASGGARMQEGIIISLMQMKGKTSVSLKRHSDAGLLYISYLTHPTT
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>DM_train933

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TTYPTKKVTPDEVSPVTLGDNLTNRRTINKYFVPDVLETCLSMGLTELAPGNLWNTMPCHTHERR
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VFDDMDHVAVKEICA

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>DM_train934

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VDSRTYLRRSLGGVAELPTRAEVESVLAISAYDLPPYNSASEGFRNHLEGWRGVNLHNRVHVWVGG
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>DM_train936

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VVSSGSINELDEADRRGLYASVREHLEPGGKFLLSLAMSEAAESEPLERKQELPGRSGRRYVLHVRHLP
AEEIQEITIHPADETTDPFVCTHRRLLAPDQVRELVRSGFDVIAQTPFASGGAGRKDMVLEAVM
PGATADAR

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>DM_train937

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DLDGNGLAGAKVELWHADNDGYYSQFAPHLPEWNLRGTHIIEEGRYEITTIQAPYQIPTDGPTGQ
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FVLDPA

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>DM_train938

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>DM_train960

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KIAQSINETMIAQLTSPTPVVQDQIAQRFLIYVYARGTGKWINMINIADYTD SKYNIAPDELKTLPPVFI
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>DM_train961

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>DM_train962

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YFASANALALLFKNMAAVCDHVDVAEWSMQPTALDQIGHLQAAMIQGLLYAIAPSDVANIRTLITP
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>DM_train964

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EGDRVTLGDTTLAHATPGHSPGCTSWEMTVKDGKEDREVLFFCSGTV ALNRLVQGPTYAGIVDDYR
ATFAKAKAMKIDVLLGPHPEVYGMQA KRAEMKD GAPNPF IKPGELV TYATSLS EDFDKQLAKQTAAL
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>DM_train966

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EISSFGQLKQ SITLPPHLDTGSSNFALHTFRGAA YSTPDEKYEK YKFDTIADNENLNISSKGGWVAMLQ
QYFATAWIPHNDGTNNFY TANLNGIAAIGYKSQPVLVQP GQTGAMNSTLWVGPEIQDKMAAVA
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>DM_train1005

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LGKKNFKVFLEKLYEFVQMKRFENQKVLVDYICFMDVFDVEWFVLDLKNQKFTQKRKYISDKRILGLDIV
FIINKIVIPVLRYNFYITEKHKEGSQIFYRKPIWKLVSCLTIVKLEENLEKVEEKL

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>DM_train1006

MVDSHVHTPLCGHAEGHPEAYLEEARAKGLKGVFTDHPSPMPWYDPESSMRLEALPFYLLALERVR
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AYFQEVEKAARSGLFHAIHGLDLPKFGHRLPEEALLELAEPALRAVAEAGLFVDVNTAGLRRPAKEVY
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>DM_train1007

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GGVGNQGHIAFNAPASSLASRTRIKTLTHDTRVANSRFDNDVNQVPKYALTGGVGTLLDAAEVMIL
VLGSQKALALQAAVEGCVNHMWTISCLQLHPKAIMVCDEPSTMELKVKTLYFNELEAENIKGL

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>DM_train1008

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ALFDEHGKLVAFSSDRVPEVLLPMVEGRLRVVTLDVDGIVTDGAGGDTILPEVDARSPEQAYAAALW
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>DM_train1009

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AFLPASTFKIPNSLIALDLGVVKDEHQVFKWDGQTRDIATWNRDHNLITAMKYSVVPVYQEFARQIGE
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>DM_train1016

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GRHAEEITVNQSLMSLGEESPLRKIYDLGTYILLIGVGYDNTSVHLSVRSACELIKVGAPIIENGER
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>DM_train1017

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>DM_train1018

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>DM_train1021

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>DM_train1022

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>DM_train1061

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>DM_train1062

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>DM_train1063

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>DM_train1064

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>DM_train1065

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>DM_train1066

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>DM_train1067

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>DM_train1068

MGSDKIH H H H H H M N D F K N Q W L R K R T F A I P A S R L T G R L T T L K S D V P A A D S L F W K L W N G S L D T A V Q V
L Q T D Y F K G I A A G T L D P N A Y G S L M V Q D G Y Y C F R G R D D Y A T A A T C A Q D E T L R E F F K A K A K S Y D E Y N E Y
H Q T W H L R E A S G L I P G T D I K D Y A D Y E A Y V A G S L A S P Y M C V M L P C E Y L W P W I A N F L D G Y T P T N S L Y R F
W I E W N G G T P N G A Y Q M G N M L E Q Y R D K I D E D K A V E I F N T A M N Y E L K V F T S S T I L T T I E N G K

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>DM_train1070

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>DM_train1071

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>DM_train1118

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>DM_train1119

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>DM_train1121

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>DM_train1122

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>DM_train1123


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>DM_train1165
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>DM_train1168
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>DM_train1169

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>DM_train1170

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>DM_train1171

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>DM_train1172

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>DM_train1173

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>DM_train1201
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>DM_train1205
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SLPRHYVGRGQEADRRAKMEDFIGARRLVVHNADGHLPTFSTANGESYVDVTLSTRGVRVSEWRV
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>DM_train1206
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>DM_train1207
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>DM_train1209
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>DM_train1210
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>DM_train1211
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>DM_train1212
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>DM_train1213
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>DM_train1214
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>DM_train1215

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>DM_train1216

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>DM_train1217

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>DM_train1218

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>DM_train1219

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>DM_train1262

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>DM_train1263

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>DM_train1264

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>DM_train1266

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>DM_train1267

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>DM_train1354

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>DM_train1355

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>DM_train1356

VSVGTHPTFENSPSGTVLTSPPDGSAVDRATDAARRVVDALLRTDRGNANL ERVAEELNSIAGHLEE
HAPAVAERLIDMWN GEGVTRHDPVTG PENALAPPVLEGLSDGSV RGT VLTIPYQ GPPGHV HGGV
SALLLDHVLGVANAWGGKAGMTAQLSTRYHRPTPLFEPLTLTGK LMSVDGRKITTAGDIRTADGQVC
VSVEGLFVDKTVPRPR

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>DM_train1357

MAKRILCFGDSL TWGWV PVEDGAPTERFAPDVRW TGVL AQQ LGADFEVIEEGLSARTTNIDDPTDP
RLNGASYLPSC LATHLPLDLVIIMLGTNDTKAYFRRTPLDIALGMSVLVTQVLTSAGGVGTTYPAPKVL
VSPPLAPMPHPWFQ LIFEGGEQKTTELARVYSALASF MKVPFFDAGSVISTDGVDGIHFTEANNRD
LGVALAEQVRSLL

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>DM_train1358

MDQENERNISRLWRAFRTVKEMVKDRGYFITQEEVELPLEDFKAKYCD SMGRPQRKMMSFQANPTE
ESISKFPDMGSLWVEFCDEPSVGVKTMKTFVIHQEKNFQTGFIVYQNNITPSAMKLVSPATIETFN
EAALVVNITHHELVPKHIRLSSDEKRELLKRYRLKESQLPRIQ RADPV ALY LGLKRGEVVKIIRKSETSGRY
ASYRICM

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>DM_train1359

MSSSEEVSWISWFCGLRGNEFFCEVEDEDIQDKFNLTGLNEQVPHYRQALDMILDLEPDEELEDNPN

HPMVEIMEDVLASDLPPRRKMYEFFARRFVVMRRKWEADPVKLQTYIEVGNDYFEQVRSYIDLADHY
LGEIIGEAMSDGAFSGLEVDEITSLVNQMCAPYCALNTMTTFMERLSEDKLARIVDAVFDGLSAQDRG
ARSLTGLRAA

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>DM_train1396

ESNQQIADFDKEKATLDEADIDERMKLAQAFNDSLNNVSGDPWSEEMKKKGRAEYARMLEIHERM
GHVEIPVIDVLDLPVYAGTAEEVLQQGAGHLEGTSLPIGGNSTHAVITAHTGLPTAKMFTDLTKLVGD
KFYVHNKIEMVMAYQVDQVKVIEPTNFDDLIVPGHDYVTLTCTPYMINTHRLLRGHRIPYVAEVEEE
FIAANKLSH

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>DM_train1397

MMTTLTRQDLNFGQVVADVLCEFLVAVHLILYVREVYPVGIFQKRKKYNVPVQMSCHPELNQYIQD
TLHCVKPLLEKNDVEKVVVVWILDKEHRPVEKVFVFEITQPPLSISSDSLSHVEQLLAIFILKISVCDVLD
HNPPGCTFTVLVHTREAATRMEKIQVIKDFPWILADEQDVMHMDPRLIPLKTMSTDIKMQLYVEER
AHKGS

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>DM_train1398

MKGILGTGKGMTQIWKNDRAIPVTVVLGAPCPVQKRKAQTDGYEAVQIGYAPKAERKVNKPMQGH
FAKAGVAPTRILREFRGFAPDGDVSNVDIFAEGEKIDATGTSKGGTQGVMKRWNFAGGPASHGSKK
WHRPFSIGQRKTPGRVYKGRMAGHMGMERVTVQNLEVVEIRAGENLILVKAIPGANGGLVLR
SAAKASAAKGGK

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>DM_train1399

NPSPHQVYNVTWTITNLVTGTKANATSMLGLTLDAPFTMYFDLCDIIGNTWNPSDQEPFGYGCDQ
PMRRWQQRNTPFYVCPGHANRKCQGGPQDGFCAVWGCEITGETYWRPTSSWDYITVKKGVTQGI
YQCSGGGWCGPCYDKAVHSSTTGASEGGRCNPLILQFTQKGRQTSWDGPKSWGRLRYRSGYDPIAL
FSVSRQVMTITPPQA

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>DM_train1400

MGACGSKGSTSDKGLASDKDGKAKDRKEAWERIRQAIPREKTAEAKQRRIELFKKFDKNETGKLCYD
EYSGCLEVLKLDEFTSRVRDITKRAFDKSRTLGSKLENKGSDFEFLEFRLMLCYIYDFELTMVFDEID
ASGNMLVDEEKFRAVPKLEAWGAKVEDPAALFKELDKNGTGSVTFDEFPAAWASAVKLDADGDPD
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MEDVPIIGGSKLVKYSVPYKWNTAVGASVKLQLESVMLVELATFGGGEDDWADEVEENGYVAS
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>DM_train1448

HMKISERQKDLLKEIGNIGAGNAATAISYMINKKVEISVPNVEIVPISKVIFIAKDP EEIVGVKMPVTGDI
EGSVLLIMGTTVVKKILEILTGRAPDNLLNDEFASALREIGNIMCGTYVSALADFLGFKIDTLPPQLVID
MISAIFAEASIELEDNSEDQIVFVETLLKVEEEEEPLTSYMMMIPKPGYLKIFERMGIQE
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>DM_train1449

DEIIDETDNLVVSQPGVDISGDVNLDFDKIGWPNVEAVQSYQREFNAVSNIFDTIYPIGTIYENAVN
PNNPVTYMGFGSWKLFQGGKVLVGNEDISDPNLFALNNNDLDSGGNPSHTAGGTGGSTSVTLEN
TNLPATETDEEVLVDENGSVIVGGCQYDPDES GPIYTKYREAKASTNSTHTPPTSITNIQPYITVYRWIR
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>DM_train1450

GSPEFLDVRQEELGAVVDKEMAATSAAIEDAVRRIEDMMNQARHASSGVKLEVNERILNSCTDLMK
AIRLLVTTSTSLQKEIVESGRGAATQQEFYAKNSRWTEGLISASKAVGWGATQLVEAADKVV LHTGKY
EELIVCSHEIAASTAQLVAASKVKANKHSPHLSRLQECRTVNERAANVVASTKSGQE QIEDRDTMDF
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>DM_train1451

GSHMQVTPRRNVLQKRPVIVKVLSTTKPFYETPEMEKKIMFHATVATQTQFFHVKVLNTSLKEKFNG
KKIIISDYLEYDSLLEVN EESTVSEAGPNQTFEPNKIINRAKETLKIDILHKQASGNIVYGVFMLHKKTV
NQKTTIYEQDDRGM DVVGTGQCHNIPCEEGLQLFCFR LRKKNQM SKLISEMHSFIQIKKKTN
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>DM_train1452

GSPNSRVDELGFNEAERQKILDSNSSLMRNANEVRDKFIQ NYATSLKDSNDPQDFLRVQLRINMQ
KNFISFDAYNYLNNLVLASYNRCKQEKTFAESTIKNELTLG E FVAEISDNFNFTCDEVARISDLVASY
LPREYLPPFIDGNMMGVAFQILGIDDFGKKLNEIVQDIGTKYIILSKNKTYLTSLERAKLITQLKLNLE
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>DM_train1453

GTLIRATTLRSFIDVVDNGFYQFEKPKEGRKYVATLDCSEGRGQDYHALQIIDITEFPYKQVAVYHS

NTTSHFILPDIVFKYLMMYNECPVYIELNSTGVSIKSLAMDLEYDNIICDSFIDLGMKQSKRSKAMGCS
ALKDLIEKDKLIINHKGTIQELRTFSEKGVSWAAEEGFHDDLVM SLVIFGWLTQEKFAEYAGKDE
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>DM_train1454

MVRVKICGITNLEDALFSVESGADAVGFVFPKSKRYISPEDARRISVELPPFVFRVGVFVNEEPEKILDV
ASYVQLNAVQLHGEEPIELCRKIAERILVIKAVGVSNERDMERALNYREFPILLDTKTPEYGGSGKTFDW
SLILPYRDRFRYLVLSGGLNPNENVRSAIDVVRPFAVDVSSGVEAFPGKDHDSIKMFIKNAKGL
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>DM_train1455

MRGSHHHHHHGSMYLSQLAERRSMHGVLVDIYGLGVLITGDSGVGKSETALELVQRGHRLIADDR
VDVYQQDEQTIVGAAPPILSHLLEIRGLGIIDVMNLFAGAVREDTTISLIVHLENWTPDKTDFDLGSGE
QTQLIFDVPVKITVVPKVGRLAIIIIEVAAMNFRAKSMGYDATKTFEKLNHHLIEHNEETDQNSSGDK
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>DM_train1456

TMLCVLTTDAAAEPALERALRRAAAATFDRLDIDGSCSTNDTVLLLSSGASEIPPAQADLDEAVLRV
CDDLCAQLQADAEGVTKRVTVTGAATEDDALVAARQIARDSLVKTALFGSDPNWGRVLA AVG M
APITLDPDRISVSFNGAAVCVHGVGAPGAREVDLSDADIDITVDLGVGDGQARIRTTDL SHAYVEENS
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>DM_train1457

MHPKDQSVTLLSIIRDYKLSDKEREAA RILANGLVKVDGKTVREKKFAVGFMDVIEINGESYRVVYND
QGALVLMKETKERASMKLLKVR SKVIAPGNRIQLGTHDGRFITDDKSIKVGDLAVSVPDMKISEI IK
MQPGNKAYITAGSHVNQTGTISKIEAKEGSSANLVHFQEGFSTIKDHFVMIGSSKFSFVLSPEE VIP
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>DM_train1458

MEEVEEFKYEPKSVKEIFIEMKDTVELMVDLAYASLLFGDKEIAEEVLELEERIDLLNYQLMMHSVLAAR
NVKEAEQVITILQIANAIEDISNAAGDLAKMVLEGVELHPVIKETILEGEEIIGKIQVYPESVIVGKTLGELD
LATNTGVWIIAVRRGKRWIFGPENFKIRAGDVLIGRGRTRTSIDHLKEIARGAIRVIGNERA
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>DM_train1459

APEGYRKL LDVQIFKDSPVVGW SSGMGELETIGDTLPVDTT VTYNGLPTRLNLVQTTVQSGWWISL
LTLRGWNTHDLSQYVENGYLEFDIKGKEGGEDFVIGFRDKVYERYVGLEIDVTTVISNYVTVT TDWQH

VKIPLRDLMKINNGFDPSSVTCLVFSKRYADPFTVWFSDIKITSEdNEKSAPAikVNLGFIPEAEKYAL
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>DM_train1460

ASNAMHEWGLSEELKIQTQMIEIAEKELSIMRNAIDKEDECILCKMEDIHHMLANVQTLAATYYIQA
YLSPYTESSSFITTAIQHLSARKHGALIVVERNLEALIQGTTLNAHLTAPLLESIFYPGNPLHDGAVLV
KNNHIVSAANILPLTKSTEVDPPELGTRHRAAIGLSEKSDALILVVSEETGRTSFLALNGILYITSL
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>DM_train1461

MSPKVTKEHKDKRQAEILEAAKTVFKRKGFEITMKDVVEESGFSRGGVYLYFSSTEEMFRRRIETGLDE
GLRKLDKSAEHQSVWASISSYLDELTEGLRDVADTLAPVQFEYLVTAWRNEERRQYLEKRYDLFVERFS
RLLQKGDQGEFQPVQPLATIAKFFLNMDGIIQNALYFDEEKADVSLAESAKLYLKTVLQADEK
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>DM_train1462

AQIKSLFATRlyHAPLSEHGPALDPAEFAASCYSIAEDDDAGQEWCEREGYPGYTSYASLTDLPWRFPPI
FADLVKSLDAHVAFAEDLEFELDGKALRELIWINILPEGGVHGSHIHPHVSIGTTYVAMPEGTSAL
KLEDPRLPFMMAPTRRKGARELRTFRSVAPKVGDVLLWESWLRHEVPMNMAEEDRISVSFNYAW
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>DM_train1464

MATDTLTHATAHAHEHGHDAGGTKIFGFWIYLMSDCILFSILFATYAVLVNGTAGGPTGKDIFELPF
VLVETLLLSSITYGMAAIAMYKNNKSQVISWLALTWLFAGAGFIGMEIYEFHHLIVNGMGPDRSGFLS
AFFALVGTGHLHVTSGLIWMAVLMVQIARRGLTSTNRTRIMCLSLFWHFLDVVWICVFTVVYLMGA
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>DM_train1465

MILSDKDIIDYVTSKRllIKPFNKDFVGPCSYDVTGDEFIYDDEVYDLSKELNYKRIKIKNSILVCPLNYNL
TEEKINYFKEKYNVDYVVEGGVLGTTNEYIELPNDISAQYQGRSSLGRVFLTSHQTAGWIDAGFGKIT
LEIVAFDKPVILYKNQRIGQLIFSLLSPADVGYSERKTSKYAYQKSVMPSLIHLNDNHKKD
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>DM_train1466

GAFTQKPSLNTVNVGSSMGGVFTIDGKIKCVTAAHVLTN SARVSGVGFNQMLDFDVKGDFA
IADCPNWQGVAPKAQFCEDGWTGRAYWLTSSGVEPGVIGNGFAFCFTACGDSGSPVITEAGELVGV

GRFRVGCALATAFSITRPVTLLFDDYSQRRWQHQVEEFLGAPLMIGRLAAFQVEPQPIPPGSLMQLR
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>DM_train1482

QKEQHSQLNQTKIAYEQRLNDLEDMDDDLDFLDYMIWISTSYIEVDSESGQEVLRSTMERCLIYIQD
METYRNDPRFLKIWIWYINLFLSNFHESENTFKYMFNKGIGTKLSLFYEFSKLENAQFFLEAKVLEL
GAENNCRPYNRLLRSLSNYEDRLREMNIVENQNSVPSRERLKGRIYRTAPFFIRKFLTSS

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>DM_train1483

LPTLPGWQRQNPDPVSRTSLLLLDAASGQLRLEDGFHPDAVAWANLTNAIRETGWAYLDLSTN
GRYNDLQAYAAGVVEASVSEELIYMHWMNTVVNYCGPFYEYGYCEKLNFLANLEWMQREME
LNPDSPHYWHQVRLTLQLKGLEDSYEGRLTFPTGRFTIKPLGFLLQISGDLEDPALNKTNTKPSLGS
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>DM_train1484

ISTLHHQTMPSDLTQDEFTQLSQSIAEFHTYQLGNGRCSSLLAQRIHAPPETVWSVRRFDRPQIYKH
FIKSCNVSEDFEMRVGCTRDVNVISGLPANTSRRERLDDDRRVTGFSITGGEHRLRNYKSVTTVHRF
EKEEEEERIWTVVLESYVVDVPEGNSEEDTRLFADTVIRLNQLKLASITEAMNRNNNNNNSSQVR

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>DM_train1485

MGIHLFWDSRVPVGLSRPVSEELSAVLEMPVSRIDDGIFLEGFPVRNQYDAVKVLLKLDMFRRRMP
QIFKPADMDLEFYNKFHLHEKILLVTPGDLYEPLADRFVGLAYPKLVAVSPHRLQNEFYGKYADDS
ALIDRIVKEGAHEIGHLFGLGHCDNPGCIMYCPRLDELDRKRKYFCGKCRVQLNGDTLEDDLFS

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>DM_train1486

KLIGMLDSPYVRRVAISLKSLGLPFHHSLSVFSTFEQFKAINPVVKAPTLVCEGGEVLMDSLIIDYLETL
AGPQRSMLPTALPQLRELRLVGLALAAKESVQIVYERNLRPAEKQHGPWLERVGGQLQAAYGELE
QELQKQPLPRDGLGQAGISLAVAWSFSQMMVADQFNPQGQFPVAVRGFAEYAEQLPVFLATPAT

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>DM_train1488

MKLFYKPGACSLASHITLRESGKDFTLVSVDLMKKRENGDDYFAVNPKGQVPALLDDGTLLTEGVA
IMQYLADSPDRQLLAPVNSISRYKTIEWLNYIATELHKGFTPLFRPDPEEYKPTVRAQLEKKLQYVNE

>DM_train1508

DYGRADNENRVGQVTGLAWTEVGGDLLTIETACVPGKGKLYTGSLSGEVMQESIQAALTVVRARAE
KLGINPDFYEKRDHIVHVPPEGATPKDGAAGIAMCTALVSCLTGNPVRADVAMTGEITLRGQVLP
LKEKLLAAHRGGIKTVLIPFENKRDLEEIPDNVIADLDIHPVKRIEEVLTALQNEPSGMQVVTAK
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>DM_train1509

SLGLAQAQEILDRVEKNLSTPWQATVQGRIQGGEGEELARVYALPQARLFRVEFLKPGSLEGNFT
VITEKEVWNLYLTLNQLVISPREKAKIQGLGFAPQGLGDLKALSEQVDLRLEGEVRLPEGMAWKLVGR
SKENQGFAMAELYILKADPRPLRFVFLDEKGVFLADLKVVEFKRNTLSEAQLKRYPKDAQVRR
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>DM_train1510

SKVLVLKSSILAGYSQSNQLSDYFVEQWREKHSAD EITVRDLAANPIPVL D GELV GALRPS D APLTPRQ
QEALALSDELIAELKAHDVIVIAAPMYNFNISTQLKNYFDLVARAGVTFRYTENGPEGLVTGKKAIVTS
RGGIHKDGPDTLVTPLYSTFLGFITDVKFVFAEGIAYGPEMAAKAQSDAKAIDSIVSA
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>DM_train1511

MEHICGTSRIAGFRFSLYPMTDDFISVIKSALAATDTSKVWTKTDHISTVLRGSHVFDAAKAIYLHAA
NSEQHIVMNGTFSIGCPGDTQGDTYLSKGDKRVNEDAVRGLKAEAPCQFALYPMNEPDYMGLIME
AVDIAKAQGTQGVHYASELDGDAHDVFSTLEAVFRMAEQQTNHITMTVNLSANSPSRKNRQKG
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>DM_train1512

VAPGIVIPPKALFTQGGAYGRCPNGTRALTVAELRGNAELQTYLRQITPGWSIYGLYDGTYLQAYG
GIIKDAPPGAGFIYRETFCITTIYKTGQPAADHYYSKVTATRLASTNSRLCAVFRDQSVIGACASPYE
GRYRDMYDALRRLLYMIYMSGLAVRVHVSKEEQYYDYEDATFQTYALTGISLCNPAASIC
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>DM_train1514

MKSERILVVKTEDFLKEFGEFEGFMRVNFEDFLNFLDQYGGFRERDEAEYDETTKQVIPYVWIMDGRV
LITKRTTKQSEKRLHNLYSLGIGGHVREGDGATPREAFLKGLEREVNEEVDVSLRELEFLGLINSSTTEVS
RVHLGALFLGRGKFFSVKEKDLFEWELIKLEELEKFSGVMEGWSKISAALLNLFLTQN
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>DM_train1515

AHMGIQRPTSTTTDKKEIKAYLKQVDKIKDDEEPIKTVGKKIAELDEKKKLTEDVNSKDTAVRGKAVKD

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>DM_train1530

RNLPVATPDPMFPCLHHSQNLRAVSNMLQKARQTFEYFCTSEEIDHEDITKDKTSTVEACLPLELT
KNESCLNSRETSFITNGSCLASRKTSMFMALCLSSYEDLKMYQVEFKTMNAKLLMDPKRQIFLDQNM
LAVIDELMQALNFNSETVPQKSSLEEDFYKTKIKLCILLHAFRIRAVTIDRVMSYLNAS

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>DM_train1531

GSHGTTFNGIMQSYVPRIVPDEPDNDTDVESCINRLREDDTDLKEVNINNMKRVSKERIRSLIEAACNS
KHIEKFLANTAISDSEARGLIELIETSPSLRVLNVESNFLTPELLARLLRSTLVTQSIVFEKADNQRQSVLG
NQVEMDMMMAIEENESLLRVGISFASMEARHRVSEALERNYERVRLRRLGKDPNV

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>DM_train1532

SNAMEALKRKEIEEGVLSQVVLKVDNFLNHQIDPLLMQRIGDEFASRFKDGITKIVTIESSGIAPAVM
TGLKLGVPVVFARKHKSLLTDNLLTASVYSFTKQTESQIAVSGTHLSQDQDHVLIIDDFLANGQAAGHL
VSIVKQAGASIAGIGIVIEKSFQPGRDELVKLYRVESLARIQSLEEGKVSFVQEVHS

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>DM_train1533

GHMNDALHIGLPPFLVQANNEPRVLAAPPEARMGYVLELVRANIAADGGPFVAVFERDSGLLIAAGT
NRVVPGRCSAAHAELALSQAQKLDTHDLSADGLPACELVTSAPCVMCFGAVIWSGVRSVCAAR
SDDVEAIGFDEGRPENWVGLEARGITVTGLLRDAACALLREYNACNGVIYNARCGVHKGVS

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>DM_train1534

MSLEPKPVERSEGKEKLEDYAYVLDMPYGHPPDDKRPIHRREPLAQVVGERNFTLLEVSIRKKGKQPLV
MDRVYIGKGERDVVYKIKRRLRYEDLTPAAKTELPYVIEHIKQDEKKYVDFFNKADSITTRMHQLELLP
GVGKMMWAIIEERKRPFESFEDIAQRVKGIRPEKLIVSRIIYEIKNPQTKYKLFTA

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>DM_train1536

MKLIVGMTGATGAPLGVALLQALREMPNVETHLVMSKWAKTITIELETPYSARDVAALADFSHNPAD
QAATISSGSFRTDGMIVIPCSMKTLAGIRAGYADGLVGRAADVVLKEGRKLVLPREPLSTIHLENML
ALSRMGVAMVPPMPAFYNHPETVDDIVHHVVARVLDQFLEHPYARRWQGLPQARNFSQENE

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>DM_train1538

MPLPTFPALLFGLSGCLVDFGAQAATSDTPDDEHAQLTPGAQNALKALRDQGMPCAWIDELPEALS
TPLAAPVNDWMIAAPRPTAGWPQPDACWMALMALNVSQLEGCVLISGDPRLQSGLNAGLWTIG
LASCGLPCLSPSQWQALNNAEREQRRAQATLKLYSLGVHVIDHLGELESCLADIALRRSKGEKP
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>DM_train1539

GMTYKDYTGDRTELLSKVRHMMSDKRFRNHVVGVERAAIELAERYGYDKEKAGLAALLHDYAKELSD
DEFRLIDKYQDPDLKKWGNNIWHGLVGIYKIQEDLAIKDQDILAAIAKHTVGSQMSTLTKIVYA
DYIEHNRDFPGVEEARELAKVDLNKAVAYETARTVAFLASKAQPIYPKTIETYNAIPYLD
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>DM_train1540

GMTTTQPEAKDRISLPPVDPATQVPEGVRLWAKAEANIGFVPPNFRAQAVNGEQFLAWWNYPNL
LLNKEGYLTNAERELVAVVSVGNRCLYCAVSHGAALREFLGDGPQKADAVAVNWRHADLTEREQAL
AAYAEKLTRHPAEVTAADLEPLRAVGLDDHQIMELVQVIGMFNLTNRVSSALGFVPNPEYRQAR
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>DM_train1541

MSLSLKIALISQNNENLLNLFKLALEKNFIPITKTASLTRASKIAFGLQDEVDAIISRGATS DYIKKSVSIPSIS
IKVTRFDTMRAVYNKRFGNELALAIYKHSIVDKHEIEAMLGVKIKEFLFSSSEDEITTLISKVKTENIKIVVS
GKTVTDEAIKQGLYGETINSGEESLRRRAIEEALNLIEVRNEGHHHHHHH
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>DM_train1542

MAEICLITGTPGSGKTLKMSMMANDEMFKPDENGIRRVFTNIKGLKIPHTYIETDAKKLPKSTDEQL
SAHDMYEWIKKPENIGSIVIVDEA QDVWPARSAGSKIPENVQWLNTHRHRQGIDIFVLTQGPKLLDQN
LRTLVRKHYYHIASNKMGMRLLLEWKICADDPVKMASSAFSSIYTLDDKKVYDLYESA EVHT
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>DM_train1543

DILECDYFDTVDISAAQKLQNGSYLFEGLLPAILTGEYDFRILPDDSKQKVARHIRGCVCKLKPCVRF
CPHDHIMDNGVCYDNMSDEELAELDPFLNVTLDDGSVSRHFKNELIVQWDLPMPCDGMFYLDNR
EEQDKYTLFENGTFRRHFDVTLRKREYCLQHLTFADGNATSIRIAPHNCLIVPISITGQT
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>DM_train1544

MRGSHHHHHHLVPRGSKTRGQIQVILGPMFSGKSTELMRRVRRFQIAQYKCLVIKAKDTRYSSSFCT
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>DM_train1558

MAHHHHHHMTIRVMLQAMDQGHLLVNNVDKYVRAGRGVMVYIAFLSDRDSAPITDEALRHAVGV
LLHTKIFTHFSPEKMINQPQSLEECPEMDILIVPQASLGGKVKGRSVQFHQLVAKDVGAALYDRFCHF
VRVARGVDESRVDANGAPRSEGDAPKAEGWIKYNSRVISGTFGNRQGLRFESEGPFTMHFDI
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>DM_train1559

MNHLISGFENFEKKINRFKNKAYLLQAFTHASYHYNTITDCYQRLEFLGDAILDYLITKHLYEDPRQHS
PGVLTDLRSALVNNITIFASLAVKYDYHXYFKAVSPELFHVDFVQFQLEKNEMQGMDSLELRSEED
EKEDIEVPKAMGDIFESLAGAIYMDSGMSLETWVQVYYPMMRPLIEKFSANVPRS
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>DM_train1560

GSMKNPQSKADDILQCARTLIIRGGYNSFSYADISQVVGIRNASIHFFPSKSDLVCKLVSQYRQAE
AGIAELEKNISDPLEQLRAYIGYWEGCIADATHFPCVCALLASEIPVLPETVVLEVRAHFRLSDWLTAV
LERGIAQGRVLVTGTARANAEIFMATVHGAMLSARAHGDAATFGAITRPLMERITA
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>DM_train1563

MEERVLMGMPAVESNMFPLGKQAPPFALTNVIDGNVVRLEDVKSDAATVIMFICNHCPFVKHVQHEL
VRLANDYMYPKGVSVFVAINSNDAEQYPEDSPENMKKVAEELGYPFPYLYDETVQEVAKAYDACTPDFY
IFDRDLKCVYRGQLDDSRPNNIGIPVTGESIRAALDALLEGRVPPEKQKPSIGCSIKWKPSA
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>DM_train1564

GPLGSPEFIILQTYRAIADYEKTSSEMALSTGDVVEVVEKSESGWWFCQMKAKRGWIPASFLEPLDSP
DETEDPEPNYAGEPYVAIKAYTAVEGDEVSLLEGEAVEVIHKLLDGWWWVIRKDDVTGYFPSMYLQKSG
QDVSQAQRQIKRGAPRRSSIRNAHSIHQRSRKRLSQDAYRRNSVRFLQQRQRAR
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>DM_train1565

SQDASDGLQLRHLMLQISYFRDPYHVWYQGNASLGGHLTHVLEGPDTNTTIIQLQPLQEPESWARTQ
SGLQSYLLQFHGLVRLVHQERTLAFPLTIRCFLGCELPPEGSRAHVFFAVAVNGSSSFVSRPERALWQA
DTQVTSQVVTFTLQQLNAYNRTRYELREFLEDTCVQYVQKHISAENTKGSQTSRSYTS
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>DM_train1566

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HNSRWMVAGKADPEMPKRMYIHPDSPATGEQWMSKVVTFHKLKLTNNISDKHGFTILNSMHKYQP
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>DM_train1567

GMQTPALIIVTGHPATGKTTLSQALATGLRLPLLSKDAFKEVMFDGLGWSDREWSRRVGATAIMMLY
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DDRSPADLELVRSRGDIPPLPLGGPLLTVDTTFPEQIDMNAIVQWVRQHLQSGTAFL

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>DM_train1568

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LFKDDKPVLTGSPGGATIISSVLQITILYHIEYGMELKAAVEEPRITYTNSMSSYRYEDGVPKDVLSKLN
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>DM_train1569

GMSLIEIRKRTLIVETTYHENGPAQAQLKLAASCAVIRNPYAGRYEPLMPFMAELRSLGTLATELVD
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>DM_train1570

MKDVSKNQEENISDTALTNELIHLLGHSRHDWMNKLQLIKGNLSLQKYDRVFEEMVIDAKHESK
LSNLKTPHLAFDFLTFNWKTHYMTLEYEVLGEIKDLSAYDQKLAKLMRKLFLHLDQAVSRESENHLTVS
LQTDHPDRQLILYLDFHGFADPSAFDDIRQNGYEDVDIMRFEITSHECLIEIGLD

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>DM_train1571

MLEKVYVALIHYPKIGKDGSIISTAVTNLDVHDIAARTARTYNLKGYYIVTNLRAQQDMVSKMLKFWRE
GFGSRYNPSRAESLKLKLYLEDVLEDIESVEGERPLIFFTSAKKRENDISFEGRRIIIEKPVILLGTG
WGLPDEILEISDYVLEPIRAQSDFNHLSVRAAAAIIDRLIGENYARRD

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>DM_train1572

GRGKQVYIIHGYPASSTNHWFPWLKRRLLADGVQADILNMPNPLQPRLEDWLDLTLQHTLHEN
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>DM_train1584

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QFAEAGCTTEAPALAMHLLARSQGAATLAQSFDHDEGFLRSEVADMHRWLDNTLPMTT
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>DM_train1585

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GIGVIENQYLMPLNQRKAVAQSQELLKAGKYYEANLVKGAEEGIVVDSEMLVAGN
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>DM_train1586

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>DM_train1587

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EVLHGLKMNviggVAVKIPVGtiPLpedivPQLSVHNEEILQllascIETtrNK
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>DM_train1588

DEPNQPSTPEAVTKVTIDASKYETWQYFSFSKGEVVNVTDYKNDLNWDMALHRYDVRlNCgesGK
GKGGA VFSGKTEMDQATTvPTDGYTDVLGRITVKYEMgPDGHQMEYEEQGFSEVITGKKNAQGF
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>DM_train1589

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EAEIARYDLSEDASTETAMVFGELYRHGAEWKfRAIGQGYASGLRGIAQDFGVNV
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>DM_train1591

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>DM_train1592

GAPEVSHVRGVTVRMETPEAILFSPGETFSTNVSIAHAIHDDQTYSMVWVWLRFDVPTSCAEMRIYES
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FRDASPQHSGLYLCVVYVNDHIHAWGHITISTAAQYRNAVVEQPLDIEGRGHHHHHH
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>DM_train1593

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IRRELSVCTQPVLIGHSGFALACHVVQQGQEGIAGVMLVAPAEMRFEIDDRIQASPLSVPTLTFAS
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>DM_train1594

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>DM_train1597

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VPLLPFFMEEVYLKQWMQDDGIHPNRDAQPFADWMAKQLQPLVNHDSLEHHHHHH
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>DM_train1598

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ATTVLYPGKVGNEFFMTKGHYHISKIDRAEVYFALKGKGGMLLQTPEGEARFIEMEPGTIVYVPPYWAH
RTINTGDKPFIFLALYPADAGHDYGTIAEKGFISKIVVEENGKVVVKDNPKWRM
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>DM_train1599

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>DM_train1616

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CWMESARHSVSTVDQESAEEIPILIEGFLFNYPKPLDTIWNRSYFLTIPYEECKRRRSTRVYQPPDSPGY
FDGHVWPMYLKQRQEMQDITWEVVYLDGKSEEDLFLQVYEDLIQEL

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>DM_train1617

MSKAGASLATCYGPVSADVMAKAENIRLLILDVDGVLSDGLIYMGNNGEELKAFNVRDGYGIRCALT
SDIEVAITGRKAKLVEDRCATLGITHLYQGQSNKLIASFSDLLEKLAIPENVAYVGGDDLIDWPVMEKVG
LSVAVADAHPLIPRADYVTRIAGGRGAVREVCDDLLLAQKGLDEAKGQSI

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>DM_train1618

AHHHHHHMVHITLDRNTANSWLIISKDRRQVRMGDTHQNVSDNKERFSNYPMVLGAQRFSSGKM
YWEVDVTQKEAWDLGVCRDVQRKQGFSLSPENGFWTIWLWQDSYEAGTSPQTTLHIQVPPCQIGI
FVDYEAGVVSFYNITDHGSLIYTFSECVFAGPLRPFNFVGFNYSGGNAAPLKLKPLKM

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>DM_train1619

AAIGSCSKEYRVLLGQLQKQTDLMQDTSRLLDPYIRIQGLDVPKLRHCRERPGAFPSEETLRGLGRRG
FLQTLNATLGCVLHRLADLEQRLPKAQDLERSGLNIEDLEKLMARPNILGLRNNIYCMAQLLDNSDT
AEPTKAGRGASQPPTPTASDAFQRKLEGCRFLHGYHRFMHRSVGRVFSKW

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>DM_train1620

MAFTEHSPLTPHRRDLCSRSIWLARKIRSDLTALTESYVKHQGLNKNINLDSADGMPVASTDQWSEL
TEAERLQENLQAYRTFHVLLARLLEDQQVHFTPTGDFHQAIHTLLLQVAAFAYQIEELMILLEYKIPRN
EADGMPINVGDGGLFEKKLWGLKVLQELSQTWTVRSIHDLRFISSHQGTGIP

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>DM_train1621

MPIASYAQELKALHQPFPSEGLFEDFLPIFRNPGFLFQKLIDAFKLHLEEFPEVKIDYIVGLESRGFLF
GPTLALALGVGFVPRKAGKLPGEFCFYKEYGSDLFEIQKNAIPAGSNVIVDDIATGGSAAGAAAGE
LVEQLEANLLEYNFVMELDFLKGRSKLNAPVFTLLNAQKEALKK

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>DM_train1622

MYKILEIADVVKVPPEEFGKDLKETVKKILMEKEYEGRDKDVGVFVLSIVDVKDIGEGKVVHGDGSAYHP

VVFETLVYIPEMYELIEGEVVDVVEFGSFVRLGPLDG LIHVSQIMDDYVSYPKREAIIGKETGKVL EIGD
YVRARIVAISLKAERKRGSKIALTMRQP YLGKLEWIEEEKAKKQNQE
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>DM_train1624

GSEDFVTCYSVLKFINANDGSRLHSHDVKYGSGSQSVTAVKNSDDINSHWQIFPALNAKCNRG
DAIKCGDKIRLKHLLTGTFLHSHFTAPLSKQHQEVSAFGSEAESDTGDDWTVICNGDEWLESEQFKL
RHAVTGSYLSLSGQQFGRPIHGQREVVGTSITGGSAAWKVAEGIYIKHQKDL
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>DM_train1625

VG YGDITQVETSGASSKTSRQDKLEYDGVRASHTMAQTDAGRMEKYKSFINNVAKKHVDPVIAAAI
ISRESRAGNVIFNTTPPGWGDNYNGFGLMQVDKRYHEPRGAWNSEEHIDQATGILVNFILIQKFKP
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>DM_train1626

MSDSKEVPSLPFLRHLLLEELDSHEDSLLLFLCHDAAPGCTTVTQALCSLSQQRKLTAAALVEMLYVLQR
MDLLKSRFGLSKEGAEQLLGTSLFTRYRKL MVCVGEELDSSSELRALRLFACNLNPSLSTALSESSRFVEL
VLALENVGLVSPSSVSVLADMLRTRLRLDLQCQLVEYEQEQARYRYC
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>DM_train1627

GMSQTTVNVGNVDQLMATIEQIKAKPEIAQFKFRATNQWMGGTHNQATIKDFYGACAEDDTRKP
MVFDLDEPPVLLGENRGANPVEYLLVALSGCLTTSVLAHAAARGIALRGVKSRYEGDIDLRGFLGLSEE
VPVGYREIRVFFSIDADLTDGQKEELIRMAQKYSVVYNTVAKPVPVAVLLDRG
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>DM_train1628

INAGTDLNPKDLEVS DPTTSLRWR RPVAKFD RYRLTYVSPSGKKNEMEIPVDSTSFILRGLDAGTE
YTISLVAEKGRHKSPTTIKGSTVVGSPKGISFSDITENSATVSWT PPRSRVDSYRVSVYPITGGTPNVVT
VDGSKTRTKLVKLVPGVDY NVNIISVKGFEESEPISGILKTALDS
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>DM_train1629

MAPVPPGEDSKDVAAPHRQPLTSSERIDKQIRYILDGISALRKETCNKSNMCESSKEALAENNLNLPK
MAEKDGCFQSGFNEETCLVKIITGLLEFEVYLEYLNRFESSEEQARAVQMSTKVLIQFLQKKAKNLDAI
TTPDPTTNASLLTKLQAQNQLQDMTTHLILRSFKFLQSSLRALRQM

MKGKTAAGGGAICAIAMITIVMGNGNVRTNQAGLELIGNAEGCRRDPYMCPAGVWTDGIGNTHG
VTPGVRKTDQQIAADWEKNILIAERCINQHFRGKMDPDNAFSAMTSAAFNMGCNSLRTYYSKARG
MRVETSIHKWAQKGEWVNMCNHLPDFVNSNGVPLRGLKIRREKERQLCLTGLVNE

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>DM_train1645

ESSVNPVVLDFEDGTVMSFGEAWGDSLKCIKKVSVSQDLQRPNGKYALRLDVEFNPNGWDQGDL
GTWIGGVVEGQFDFTYGKVSFEMFIPYDEFKSQGGFAYKVVINDGWKELGSEFNITANAGKKVKIN
GKDYTVIHKAFAPEDFRTRKRAQLVFQFAGQNSNYKGPIYLDNVRIRPEDA

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>DM_train1646

AGVLWDVPSPPPVGKAELEDGAYRIKQKGLGYSQIGAGVYKEGTFTMWHVTRGAVLMHKGKRIEP
SWADVKKDLISYGGGWKLEGEWKEGEEVQVLALEPGKNPRAVQTKPGLFKTNTGTIGAVSLDFSPGT
SGSPIVDKKGKVVGLYGNGVTRSGAYVSAIANTEKSIEDNPEIEDDIRK

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>DM_train1648

AVPIAQKSEPHSLSEALMRRVSLVTDSTSTFLSQTTYALIEAITEYTKAVYTLTSLYRQYTSLLGKMNS
EEDEWVQVIIGARAEMTSKHQEYLKLETTWMTAVGLSEMAEAAYQTGADQASITARNHIQLVKL
QVEEVHQLSRKAETKLAEAQIEELKQKTQEEGEERAESEQEAYLRED

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>DM_train1649

MPKTLIILAHNPISQSTVHKHWSDAVRQHTRFTVHELAVYYPQGKIDVAAEQKLIETHDSLWQFPI
YWFNCPPLLKQWLDEVLTYGWAYGSKGKALKGRKIALAVSLGAPAADYRADGAVGCSVAEVLRFPEL
TAKYCNADYRPPFTHTIDSNAGYSEARQEVEARSARDYLAWLDALQQT

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>DM_train1650

VNSDSHPLFVRSLAKNMTWQLADTSTQKVLASGASATSGDKQSLLMQSVNLSYQEDGRGFNWRA
QAALSLSYLEPTPLDSKFSTGYLELKMRIKAPQGANLQVMCSNCLRDIDFSSFSQLMADKSWHT
LAIPLHCDDSDQAEQPITDALRITSQNLSLAIADVALTIKPSDDSISLTCAK

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>DM_train1651

MKYQLRFGGEGGQGVITAGEILAEAAIKEGRQAFKASTYTSQVRGGPTKVDIIIDDKEILFPYAVEGEVD
FMLSTADKGYKFRGGVKEGGIIVVEPNLVHPESEDYKKWQIFEIPIITIAKDEVGNVATQSVVALAIAA

>DM_train1667

MALTATVRRRAELQISDMDRGYYANHSLTLAQHPSETDERLMVRLLAFALFADDRLEFGRGLSNDDEP
DLWRRDYTGDPDLWIDLGQPDESRRKACNRSREAVVIGYGGQATETWWKKHANAMGRYRNLRV
IELDSQATEALGALIQRGMRFDVIIQDGEVQMLADHGSVTLTPMVRQAPAE
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>DM_train1668

QKPQRPRRPASPISTIQPKANFDAQQFAGTWLLVAVGSAARFLQEQGHRAEATTLHVAPQGTAMA
VSTFRKLDGICWQVRQLWGDGTGLGRFLQLARGARGAVHVVAETDYQSFVLYLERAGQLSVKLY
ARSLPVSDEVLSGFQVRVQEAAHLTEDQIFYPKYGFCEAADQFHVLEVRR
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>DM_train1669

AGLKLMGAPVKLTVSQQPVKLNCSVEGMEEPDIQWVKDGAUVQNLDQLYIPVSEQHWIGFLSLKS
VERSDAGRYWCQVEDGGETEISQPVWLTVGVVFFFTVEPKDLAVPPNAPFQLSCEAVGPPEPVTIW
WRGTTKIGGPAPSPSVLNVGTQSTMFSCAHLNKLGLASSRTATVHLQ
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>DM_train1670

ELPSLCMLNNSFYMKGGANIFLIRVSDVSVLMKEYDVSVEPELDGNCLNKSDSSWAIHWFSIALGH
DWLMDPPMLCRNKTKKEGSNIQFNISKADESRYVYKIRNGMRHLFRGFYDPCEEGKVCYVTINQC
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>DM_train1671

GPAAGQAYDAGNLDVASSPVKPTLSITKTLTAAEAPNAKVTMELSVEGAADKYAATGLHIQFDPKLE
LIPDEDGALATAGRAARLLELKAEDTNSFFATGSSTNNGKDGVLWSFVLQVPADAQPGDKYD
VQVAYQSRRTNEDLFTNVKDEEGLLMQAWTFTQGIEQGYIQVESTTS
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>DM_train1672

GSCRRAFDLYFVLDKSGSVANNWIEIYNFVQQLAERFVSPERMRLSFVFSQATIILPLTGDRGKISKGLE
DLKRVSPVGETYIHEGLKLANEQIQKAGGLKTSSIIIALTDGKLDGLVPSYAEKEAKISRSLGASVYCVGV
LDFEQAQLERIADSKEQVFPVKGGFQALKGIINSILAQSC
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>DM_train1673

MHTQVHTARLVHTADLDSETRQDIRQMVTGAFAGDFTETDWEHTLGGMHALIWHHGAIHAHAVI

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>DM_train1687

MSVKMKKCSREDLQTLQQLSIETFNDTFKEQNSPENMKAYLESAFNTEQLEKELSNMSSQFFFYFDH
EIAGYVKVNIDDAQSEEMGAESLEIRIYIKNSFQKHGLGKHLNKAIEIALERNKKNIWLGWVEKNEN
AIAFYKKMGFVQTGAHSFYMGDEEQTDLIMAKTLILEHHHHHH

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>DM_train1688

GSHMENMGTRVIEPLIMGRVVDVLDFFPTTKMNVSYNKKQVSNGHELFPSSVSSKPRVEIHGGDL
RSFFTLVMIDPDVPGSPDPFLKEHLHWIVTNIPGTTDATFGKEVVSSELPRPSIGIHRFVFLFRQKQRR
VIFPNIPSRDHFNTRKFAVEYDLGLPVAAVFFNAQRETAARKR

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>DM_train1689

VMLTRQQKELIVKEMSEIFKKTSLILFADFLGFTVADLTELRSRLREKYGDGARFRVVKNTLLNLALKNAE
YEGYEFLKGPTAVLYVTEGDPVEAVKIIYNFYKDKKADLSRLKGGFLEGKKFTAEEVENIAKLPKSKEELYA
MLVGRVKAPITGLVFALSILRNLYVVLNAIKEKKSE

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>DM_train1690

MGSSSSGLVPRGSGAVSGSVQASDRMLKELRDIYRSQSYKTGIYSVELINDSLYDWHVKLQKVDPDS
PLHSDLQILKEGIEYILLNFSFKDNFPDPFVVRVLPVLSGGYVLGGALCMELLTKQGWSSAYSIES
VIMQINATLVK GKARVQFGANKNQYNLARAQQSYNSIVQIHE

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>DM_train1691

GSSGSSGMANERMNLNMAKLSIKGLIESALNLGRTLDSYAPLQQFFVMEHCLKHGLKAKKTFLL
GQNKSFVWGP LELVEKLVPEAAEITASVKDLPLGLKTPVGRRAWLRLALM QKKLSEYMKALINKKELLSE
FYEVALMMEEEGAIAGLLVGLNVIDANFCMKGEDLDSQVGVID

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>DM_train1692

MEQRRLASTEWVDIVNEENEVIAQASREQMRAQCLRHRATYIVVHDGMGKILVQRRRTETKDFLPGM
LDATEAGGVVQADEQLLESARREAEELGIAGVPFAEHGQFYFEDKNCRVWGALFSCVSHGPALQED
EVSEVCWLTPEEITARCDEFPTPSL KALALWMKRNAKNEAVETETAE

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>DM_train1693

GAPRSHEVPLLVTLEELYLGKRKKIKVTRKRFFIEHKVRNEENIVEVEIKPGWKDGTCLTYSGEGDQESPGT
SPGDLVLIQTKTHPRFTRDDCHLIMKVTIPLVRALTGFTCPVTTLDNRNLQIPIKEIVNPKTRKIVPNEG
MPIKNQPGQKGDILILEFDICFPKSLTPEQKLIKEALD

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>DM_train1694

GMFADNTLTPKEAVRLCALGTIASQPMRYSELAGSVRHFTSRIMGPSLELMGISELLRYEGLVEAVDD
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LARLADLRGSDGEGGSALAAWLDHDMALLESRLAWLEDFRRL

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>DM_train1695

EVYALEESRDVYLSLDLWLNATHGDDTKSKIVQKNHPFTPNNQSTKISLKMEDGSISEFEKGLGTI
AGSPSTITYDISGAGVTKFFSYLGIDRSANPINEQYAKVDKIEVVVDGKVIYSTINQFPNGLYETPAIKV
DLNIPENAKRLQLKSYAGEKTWGDEVVYADAKFTAKGDFVN

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>DM_train1697

AAQGKEVLLDFAAAGGELGWLTHPYGKGWDLNQIMNDMPIYMYSVCNVMMSGDQDNWLRTN
WVYRGEAERIFIELKFTVRDCNSFPGGASSCKETFNLYAESDLGYGTNFQKRLFTKIDTIAPDEITVSSD
FEARHVKLNVEERSVGPLTRKGFYLAQFDIGACVALLSVRVYYKCP

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>DM_train1698

RSRLTADEYLKIYQAAESSPCWLRLAMELAVVTGQRVGDLCEMKWSDIVDGYLYVEQSKTGVKIAIPT
ALHIDALGISMKETLDKCKEILGGETIISTRREPLSSGTVSRYFMRARKASGLSFEGDPPTFHELRSLR
LYEKQISDKFAQHLLGHKSDTMASQFRDDRGREWDKIEI

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>DM_train1699

MAAGQNGHEEWVGSAYLFVESSLKVVLSDAYAHPQQKVAVYRALQAALAESGGSPDVLQMLKIH
RSDPQLIVQLRFCGRQPCGRFLRAYREGALRAALQRSLAAALQHSVPLQLELRAGAERLDALLADEE
RCLSCILAQQPDRLRDEELAELEDALRNLCGSGARGGDGEVASAP

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>DM_train1701

SADVAGAVIDGASLFDILKTVLEALGNVKRKIAVGVNDSGKTWTALNTYFRSGTSDIVLPHKVPHGK
ALLYNGQKDRGPVATGAVGVLAYLMSDGNLAVLFSVPYDYNWYSNWWNVRIYKGRRADQRMV

>DM_train1716

MASAVGEKMLDDFEGVLNWGSYSGEGAKVSTKIVSGKTGNGMEVSYTGTDDGYWGTVYSLPDGD
WSKWLVKISFDIKSVGDSANEIRFMIAEKSSINGVDGGEHWVYSITPDSSWKTIEIPFSSFRRLDYQPPGQ
DMSGTLDLDNIDSIHFMYANNKSGKFVVDNIKLIGALEHHHHHHH

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>DM_train1718

MKWNLDPSSHTSIDFKVRHMGIASVRGSLKVLSGSVETDEAGRPIQVEAVIDAASIATGEPQRDGHLSR
ADFLHAEQYPEIRFVSTQIEPLGGRYRQIQNLTIRDITKPVTLAEVSAPIKDPWGMQRVAASASGQI
NRKDWNLTWNQVLEL GALLVGEVKNLEVEAVAPVAAQ

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>DM_train1719

EAEASAVTVDTICKNGQLVQMSNHFKCMCNEGLVHLSNTCEEKNECKKETLGKACGEFGQCIENP
DPAQVNMYKCGCIEGYTLKEDTCVLDVCQYKNCGESGECIVEYLSEIQSAGCSCAIGKVPNPEDEKCK
TKTGETACQLKCNTDNEVCKNVEGVYKCQCMEGFTFDKEKNVCL

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>DM_train1720

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AEKIREMPQNVAKTEPVLSILQPQTTPVNPDRANQVKIIPNSTAGLIIGKGGATVKAIMEQSGAWVQLS
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>DM_train1721

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>DM_train1722

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EPDDLKEFLQIDLHLTFITLVGTQGRHAGGHGIEFAPMYKINYSRDGTRWISWRNRHKGQVLDGNS
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>DM_train1723

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GLPWAAMLALRLSKPLGYVRPERKGHGTLISQVEGPPKGRVWVDDVATTGTSIAKSIEVLRNSGYTV
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>DM_train1725

AVSFIGSTENDVGPSLSYSRTHAMDNLPFVYDTRNKIGYQANVWHISKGFVGLDGVDPVVG
SLDGQSIYGLTEEVGLLIWMGDTKYRGTAMSGNSWENFSGWCVGANTASTQGLSVRVTPVILKR
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>DM_train1726

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HEHTLRVTGVDREAI FEALCAAIVSGVAQALATIEALSPS

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>DM_train1727

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>DM_train1728

MLDAFSRVVTNADSKAAYVGGADLQALKKFISEGNKRLDSVNSIVSNASCIVSDAVSGMICENPSLIS
PSGNCYTNRRMAACL RDGEIILRYVSYALLSGDASVLEDRLNGLKETYSSLGVPANSNARAVSIMKA
CAVAFVNNTASQKCLSTPQGDSCGLASEVGGYFDKVTAAIS

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>DM_train1729

IAMEKFAEYALSFGTEILTVYGPPLIGKIVSEEINCSVYSVDPEGRVYTQAIAQWHDRGEQEVLEYELE
DGSVIRATSDHRFLTTDYQLLAIEEIFARQLDLLTLENIKQTEEALDNHRLPFLLDAGTIKMKVKVIGRRS
LGVQRIFDIGLPQDHNFLANGAIAAACFNISTGP

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>DM_train1730

MGHHHHHHSHPVETSFKFKCYGDFWLSVNRIYPEKRIELQLEVFKKLQDEKLYIVGWFSKGDHAERY
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KTGYLVNADVNEIIDAMKKVSKNPDKFKKDCFRRAKEF

MSTTNHDDHIIYVLMGVSGGKSAVASEVAHQHLAAFLDGDFLHPRRNIEKMASGEPLNDDDRKPW
LQALNDAAFAMQRTNKVSLIVCSALKKHNRDLREGNPNSFIYKLGDFDVIESRLKARKGHFFKTQM
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>DM_train1745
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>DM_train1746
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KMVLRAGGHVVARLAVFRQGTPLAVDTVAELPVL
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>DM_train1747
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ANFILNIENKNIDELLSEIKKVIKEGGSHHHHHH
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>DM_train1748
AHHHHHHGSMMLKEVHELLNRIWGDIFELREELKEELKGFTVEEVSEVFNAYLYIDGKWEEMKYPHPAF
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SDEEMINFEVDLGFDKEEVKREIKRFIELARRYNLL
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>DM_train1749
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>DM_train1751
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>DM_train1767
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>DM_train1768
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>DM_train1769
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>DM_train1770
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>DM_train1771
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>DM_train1772
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>DM_train1773
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VAIYALGDNEIIVGHTDCGMARLEDELIVSRMRELGVVEEVIENFSIDLNPVGDDEENVIEGVKRLKSS
PLIPESIGVHGLIIDINTGRLKPLYLDE

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>DM_train1795

MEEP DANGYYYHDT FEGSVGQWTARGPAEVLLSGRTAYKGSESLVRNRTAAWNGAQRALNPRTF
VPGNTYCFVS VASFI EGASSTFCMKLQYVDGSGTQRYDTIDMKTVPNQVHLYNPQYRIPSDAT
DMYVYVATADDTINFYIDEAIGAVAGTVIEGLEHHHHHH

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>DM_train1796

MAKLGHSNDTRDAWVNKIAQLNTLEKAAEMLKQFRMDHTTFRNSYELDNDYLWIEAKLEEKVAV
LKARAFNEVDFRHKTAFGEDAKSVLDGTVAKMNAAKDKWEAEKIHIGFRQAYKPPIMPVNYFLDGER
QLGTRLMELRNLNYYDTPLEELRKQRGVRVHQLQSPH

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>DM_train1797

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CTPSPAPNYSRALWRVAEEYVEVTRVGDFHYVTGMTTNDVKCPCQVPAPEFFTEVDGVRHLHRYAP
ACKPLLREEVTFVLVGLNQLVGSQLPCEPEPDVAVLTSM

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>DM_train1798

MNADEWMTTFRENIAQTWQQPEHYDLYIPAITWHARFAYDKEKTDYNERPWGGGFGLSRWDEK
GNWHGLYAMAFKDSWKNWEPIAGYGWESTWRPLADENFHLGLGFTAGVTARDNWNVYIPLVLLP
LASVGYPVTFQMTYIPGTYNNGNYYFAWMRFQFLEHHHHHH

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>DM_train1799

GMLKILATQFNGKLQTLTKQEDELFDVVRLLAQALVGQGVYLDAYGEFEGLYPMLSDGPDQMKRV
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DGSRHGLPSLALGAFLLTHILTQLQEMTEEWE

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>DM_train1800

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HWVVVNLPADTRVLPQGFGSLVAMPDGLVQTRTDFGKTGYDGAAPPKGETHRYIFTVHALDIERID

>DM_train1815
GPAQLVGRQTLATPAMGDIQIGMEDKKGQLEVEVIRARSLTQKPGSKSTPAPYVKVYLLENGACI
KTRIAKTLDPYQQSLVFDESPQGVLVVWGDYGRMDHKCFMGVAQILLELDLSSMVIGWYKL
FPPSSLVDPTLAPLTRRASQSSLESSSGPPCIRS
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>DM_train1816
ASVRIEAKEGDCGDILRLIRELAEFEKLSQVKISEEALRADGFGDNPFYHCLVAEILPAPGKLLGPCV
VGYGIYFYSTWKGRTIYLEDIYVMPEYRGQGIGSKIKKVAEVALDKGCSQFRLAVLDWNQRAMDLYK
ALGAQDLTEAEGWHFFCFQGEATRKLAKG
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>DM_train1817
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E
TNHAFSIESDSGVELFVHFGIDTVELKGEFGKRIAEEGQRVKGVDTVIEFDLPLLEEKAKSTLTPVVISNM
DEIKELIKLSGSVTVGETPVIRIKK
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>DM_train1818
MKVIEFHVVGNLSLQKPNKILMWLVGLQNVFSHQPRMPKEYITRLVFDPKHKTALIKDGRVIGGI
CFRMPFSQGFTEIVFCAVTSNEQVKGYGTHLMNHLKEYHIKHDILNFLTYADEYAIGYFKKQGF
SKEIKI
PKTKYVGYIKDYEGATLMGCELNPRIPYTE
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>DM_train1819
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LGNLLRSKTFIALAAFQAEAVGALAAAYVLPKFEQPRSEIYIDLAVSGEHRRQGIATALINLLKHEANA
LGAYVIYVQADYGDDPAVALYTKLGIREEVMH
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>DM_train1820
LLKLEKLLKQIKLDPSPQTIYKWIKDNISPCLHVDKGFVNILMTSFLQYISSEVNPPSDETSSAPSKEQ
LEQEKQLLSFKPVMQKFLHDHVDLQVSALYALQVHCYNSTNFKGMILLRFFVHFYDMEIIEEAFLAW
KEDITQEFPGKGFALFQVNVQWLTWLETA
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>DM_train1822
MFKAERLLIRKFEFKDWEAVHEYTSDSVDMKYIPEGVFTEEDTRNFVNKNMGENAKNFPVILIGENILV

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>DM_train1836

GSHGMADEEKLPPGWEKAMSRSSGRVYFNHITNASQWERPSGNSSSGGKNGQGEPARVRCSHLL
VKHSQSRRPSSWRQEKITRTKEEALINGYIQKIKSGEEDFESLASQFSDCSSAKARGDLGAFSRGQM
QKPFEDASFALRTGEMSGPVFTDSGIHILRTE

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>DM_train1837

MGMIGYFAEIDSEKINQLESTEKPLMDNIHDTLSGLRRLDIDKRWDFLHFGLTGTSAFDPAKNDPLSR
AVLGEHSLEDGIDGFLGLTNQELAATIDRLESIDRNELRKQFSIKRLNEMEIYPGVTFSEELGQLFASI
MLDMEKLISAYRRMLRQGNHALTVIVG

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>DM_train1838

MKGLTEKLMILSHQSIKLLGKVLNYSEENVRENGYDLRICGDKYYELVQGAELPEKKATLREIEFKERA
ILSANHTYLFESCEEFNMPADLAVLITLKSTLARNGLAPPTVIDAGYKGVNVAITAVYNSSLKKG
MAT
HHLIFLKLDPKPTERLYNGKYQGGILI

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>DM_train1839

MADEATRRVSEIPVLKTNAGPRDRELWVQRLKEEYQSLIRYVENNKNADNDWFRLESNKEGTRWF
GKCWYIHDLLKYEFDIEFDIPITYPTTAPEIAVPELDGKTAKMYRGGKICLTDHFKPLWARNVPKFLA
H
LMALGLPWLAWEIPDLIQKGVVIQHKEKCNQ

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>DM_train1842

GAMDPREVILCKDQDGKIGLRKSIDNGIFVQLVQANSPASLVGLRFGDQVLQINGENCAGWSSDK
AHKVLKQAFGEKITMTIRDRPFERTITMHKSTGHVGFIFKNGKITSIVKDSSAARNGLLTEHNICEING
QNVIGLKDSQIADILSTSGTVVTITIMPAF

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>DM_train1843

FSDETLDKVPKSEGYCSRILRAQGTRREGYTEFSLRVEGDPDFYKPGTSYRVTLAAPPYFRGFTLIALR
ENREGDKEEDHAGTFQIIDEETQFMSNCPVAVTESTPRRRTRIQVFWIAPPAGTGCVILKASIVQKRII
YFQDEGLTKKLCEQDSTFDGVTDK

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>DM_train1844

>DM_train1865

GEFETLEQLKESLKKEGKEIYDVMKESMREQLLEKLPEIVEIEISDRTLEILVNEAINRLKREGRYEQIVSSY
ESEEKFREEKERILDDIKRDRVIEVLAQEKGISVNDEELEKEAEEELAPFWGISPDRAKSLVKARQDLREEL
RWAILKRKVL DLLLQEVE

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>DM_train1866

PRILGRNIGSHHVRVEHFMNHSITTLAKDTPLEEVVVKVVTSTDVTEYPLVESTESQILVGIVQRAQLVQA
LQAEPSPRAPHGHQQCLQDILARGCPTPEVTLTLFSETTLHQAQNLFKLLNLQSLFVTSRGRAVGCVSW
VEMKKAISNLTNPPAPKEFLEVLFGQ

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>DM_train1867

MFHILRLESTVDLSEPLKDNIGIIVFQSDKLDLEPSPNLGPTGIDNTNVNLINAKGDVLLHIGIRRENAFV
FNSIPYGESRGPEERIPLEGTFGDRRDPSITIFDHPDRYQIMIDYKTVYYYKRLREGRCSEKVSYKINEGQTP
PFSVDVGLVTVLYFANVMPRAN

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>DM_train1868

LPLDERAFEKTLTPIIQEYFEHGDTNEVAEMLRDLNLGEMKSGVPVLAVSLALEGKASHREMTSKLLSD
LCGTMSTTDVEKSFDKLLKDLPELALDTPRAPQLVGGQFIARAVGDGILCNTYIDSYKGTVDVCVQARA
ALDKATVLLSMSGKGGKRDVWGGGG

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>DM_train1869

MGGSHHHHHHGMASSSDGHNGLGKFGDHIHWRTLEDGKKEAAASGLPLMVIIHKS WC GACKAL
KPKFAESTEISELSHFVMVNLEDEEKPDEDFSPGGYIPRILFLDPSGKVPHEIINENGNPSYKYFYVS
AEQVQGMKEAQERLTGDAFRKKHLEDEL

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>DM_train1870

MTVNLEEKRPEIVGPEKVQSPYPIRFEGKVVHGFGRGSKELGIPTANISEDALQELLYRDSGVYFGYAM
VQKRVPMPVMSVGNPNYYKNLRS AEVHLIERQGEDFYEEIMRVIVLGYIRPELNYAGLDKLIEDIHTD
IRVALNSMDRPSYSSYKDPFFKV

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>DM_train1871

GSREEPSDLEELEQFAKTFKQRRIKLGFTQGDVGLAMGKLYGNDFSQTTISRFEALNLSFKNMCKLKLPL

LEKWLNDAENLSSDSSLSSPSALNSPGIEGLSRRRKRRTSIETNIRVALEKSFLENQKPTSEEITMIADQL
NMEKEVIRVWFCNRRQKEKRINP

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>DM_train1872

MTNNDTTLQLSSVLNRECTRSRVHCQSKKRALEIISELAAKQLSLPPQVVFMAILTREKMGSTGIGNGIA
IPHGKLEEDTLRAVGVFVQLETPIAFDAIDNQPVDLLFALLVPADQTKTHLHTLSLVAKRLADKTCRRL
RAAQSDDELYQIITDTEGTPDEA

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>DM_train1873

GMSVAAEVAQVAQSAIDDFNAAYGLCLDDDRLEQWPTLFDVDDCLYQVIARENVDNGLPAAVMYC
DSKGMADRVALRANKANVFPEHFNHHLIGRAVITGVEGDQVSAEASYVVFQTRNDGETRIYNAGKYV
DRFDLSSGGTVRLKSRTCITDIATLLATPI

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>DM_train1874

GMLDNAIPQGFEDAVELRRKNRETVVKYMTKGQDRLRRHELFEVDDCGGLWTDDTGSPVIRGKD
KLAEHAVVSLKCFPDWEWYNIKVFETDDPNHFVVECDGHGKILFPGYPEGYYENHFLHSFELDDGKI
KRNREFMNQVQLRALSIPVQIKREGIPT

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>DM_train1875

QSRERLVKWLQDAYAMEKEAETMMAAMASRIEHPKRRIEQHVEETQQQSAGVQRCLELLNGSI
PTAKGMLSSVLASMAAGNSMMDTEVTGKVGISYAFEHLEIASYRALVVAARSAGEQEVAQICEDIL
QQEIEMAEWLIEHQEAIIVAFLEREQLEGV

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>DM_train1876

GHMNSKN TICLWYDSAALAEATFYAETFPDSEVAVLAVHRAPGDYPSGKEGDVLTVEFRVVMGIPCLGLN
GGPAFRHSEAFSFQVATDDQAETDRLWNAIVDNGGEEACGWCRDKWGISWQITPRVLSEAIASPD
RAAARRAFEAMMTMGRIDIATIEKAFKGGSS

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>DM_train1877

MSLRVRIAVIGKLDGFIKGIKHYEKFLRRFCKPEVLEIKRVHRGSIIEIVRKETEDLTNRILPGSFVMVMD
KRGEEVSSEEFADFLKDLEMKGKDITILIGGPYGLNEEIFAKAHRVFSLSKMTFTHTGMTVLIVLEQIFRAFK
IIGHENYHYEGGSHHHHHH

PRAAGHSEEVLEREASFLTTIDGEVISLNNVGGDVVILWFMAAWCPSCVYMADLLDRLTEKYREISVI
AIDFWTAEALKALGLNKPGYPPDTPEMFRKFIANYGDPSWIMVMDDGSLVEKFNVRSIDYIVIMDKS
SNVLYAGTTPSLGELESVIKSVQGG

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>DM_train1891

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YQLDLALADMNLGDLYDLTIPPTISYARFITGPSKTDEQADQSPIAANISSETLTDLFTVADRQYRAYYH
QFTMADLQADLNHHGTFLQHEQDSES

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>DM_train1892

GMDTRKLLLLTAQEISRMKGEHKVHFLNPGAVRVNKS LGDAVGLRHMGIHLIQIEPGKESTEYHLHHYE
EEAVYVLSGKGLTMENDQYPIAPGDFVGFPCAAAHSISNDGTETLVCLVIGQRLDQDVVDYPNQ
HKRLYRNNGEWNLVDMADIRVLEPTQK

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>DM_train1893

TDVNECLDPTTCISGNCVNTPGSYICDCPPDFELNPTRVGCVDTRSGNCYLDIRPRGDNGDTACSNEI
GVGVSKASCCCSLGKAWGTPCEMCPAVNTSEYKILCPGGEGFRPNPITVILEIDIDECQELPGLCQGGK
CINTFGSFQCRCPGYYLNEDTRVCD

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>DM_train1894

ASDEEIQDVSGTWYWKAMTVDREFPEMNLESVTPMTLTTLEGGNLEAKVTMLISGRCQEVKAVLEKT
DEPGKYTADGGKHVAYIIRSHVKDHYIFYSEGLHGKPVVRGKLVGRDPKNNLEALEDFEKAAGARGL
STESILIPRQSETCSPGSAWSHPQFEK

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>DM_train1895

MSFGGKSMSEHSAIVTWKRKDSEAFDQYSRAHTWEFDGGSKILASASPHVVPVPLSVEANVDPEE
AFVAALSSCHMLVFLSIAAKQRYLVESYDNAV GILGKNSKGKTSVTKVLRPQVVFSGTSKPTLQQL
KMHHLAHENCFIANSVETEIVTEIIA

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>DM_train1896

VKMAETCPIFYDVFFAVANGNELLLDSLTKVNATEPERTAMKKIQDCYVENGLISRVL DGLVMTTSS
SKDCMGEAVQNTVEDLKLNTLGREICPAVKRDVDLFLTGTPEYVEQVAQYKALPVVLENARILKNC

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>DM_train1954

MALFSAQSPYINPIIPFTGPIQGGLQEGQLQVTLQGTTKSFAQRFVVFQNSFNGNDIAHFHFNPRFEEG
GYVVCNTKQNGQWGPEERKMQMPFQKGMPELFCFLVQRSEFKVMVNKKFFVQYQHRVPYHLVDT
IAVSGCLKLSFITFQTQNFPAHQ

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>DM_train1955

GMPALITYRTTVQEDWVDYNGHLRDAFYLLISYATDALMDRIGLDADSRGQSGNSLFTLEAHINYLNH
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HLVEQQEGAQAPQYMGRTIKLPA

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>DM_train1956

MSSSIREEVHRHLGTVALMQPALHQQTHAPAPTEITHTLFRAYTRVPHDVGGEADVPIEYHEKEEEIWI
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IVEMRERVASGQGLGEYLPPKAK

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>DM_train1957

MKLHDLKPTPGSRKDRKRVGRGPGGTDKTAGRGHGKQKSRSGAGKGAFFEGGRSRLIARLPKRGFN
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AGGRVVLPEVQTQQDDAQKAE

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>DM_train1958

MSDRKPVRGRHQARKRAVALLFEAEVRGISAEEVDTRAALAEAKPDIARLHPYTA AVARGVSEHAA
HIDDLITAHLRGWLDRLPVDRAILRVSVWELLHAADVPEPVVDEAVQLAKELSTDDSPGFVNGVL
GQVMLVTPQLRAAAQAVRGA

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>DM_train1959

MLKQVEIFTDGSALGNPGPGGYGAILRYRGREKTF SAGYTRTTNNRMELKAAIEGLKALKEPAEVDLYT
DSHYLKKAFTEGWLEGWRKRGWRTAEGKPVKNRDLWEALLAMAPHRVRFHFKGHAGHPENERA
DELARAAA MNPTLED TGYQVEV

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>DM_train1960

MIVTSGVLVENGKVLVKKHRLGVYIPGGHVEHNETPIEAVKREFEETGIVVEPIGFYGIIDENAVR
PMLVILEEVVYKPEETHIHFDLIYLVKRVGGDLKNGEWIDVREIDRIETFPNVRKVSLALSTLYRLGKIS
KLAAALEHHHHHH

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>DM_train1961

MSSRSELLLEKFAEKIGIGSISFNENRLCSFAIDEIYYISLSDANDEYMMIYGVCGFPTDNSNFALEILNA
NLWFAENGGPYLCYEAGAQLLALRFLDDATPEKLENEIEVVVKS MENLYLVLHNQGITLENEHMK
IEEISSDNKHYYAGR

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>DM_train1962

MWGKKGAGTELNTNYQTLATNTIGMMKGVGDGYAFTSGAKMTDTLIQAGAAKGMTVSGDPASGSAT
LWNSWGGQIVVAPDTAGGTGFNNGFTITTNKVPQSACVSISTGMSRSGGTSGIKINGNNHTDAKVT
AEIASSECTADNGRTGTNTLVFNNG

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>DM_train1963

GMPENTAMAALLPEESLFFRELVKQWRAQDSYGTWEKKSDMELLAPYVLDKEQRRAPIIGDPDPEIL
WRVELFYNAVGLATERASGVMVSPMMKMSHEGFGRMVLIAGR LIVVNKQLRDVHRFGFPSMEKLA
EEGDKLVAGALEMIEKFPEVARF

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>DM_train1964

GGGVMHYTDKAALPADGEAREVAALFDTWNAALATGNPHKVADLYAPDGVLLPTVSNEVRASREQ
IENYFEMFLTKPKGVINRYRTVRLDDSDAVDAGVYFTLTDKNGKSDVQARYTFVYEKRDGKWLIN
HHSSAMPEVDTATATAAVTKAK

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>DM_train1965

HMLLTTSRKPSQRTRSFSQRLSRIMGWRYINRGKMSLRDVLIEARGPVAVVSRHGNPARITFLDERG
GERGYILFNPFSFEMKKPELADKAVRVSSCPPGSEGLCNLMGLEVDESSSRDAWSIRTDEEYAWVMEL
MDARGTPAGFKLLIRDFRVGE

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>DM_train1966

VTDVLLCVGNSMMGDDGAGPLLAEKCAAAPKGNWVVIDGGSAPENDIVAIARELRPTRLLIVDATDM

GLNPGEIRIIPDDIAEMFMMTTHNMPLNYLIDQLKEDIGEVI FLGIQP DIVGFYYPMTQPIKDAVETVY
QRLEGWEGNGGFAQLAVEEE

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>DM_train1968

SITKPQNKS AKLV DGELLV KASVES FGLEDE KYWFLV CCELSN GKTRQL KRYYQDFYDLQVQLL DAFP
AEAGKLRDAGGQWSKRIMPYIPGPV PYV TN SITSITK KRKEDLN IYVADLVNLPD YISRSEMVHSLFV VLN
NGFDREFERDENGSHHHHHH

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>DM_train1969

MPLLSASIVSAPVVTSETYVDIPGLYLDVAKAGIRDGKQLQVILNVPTPYATGNNFPGIYFAIATNQG VV
ADGCFTYSSKVP ESTGRMPF TLVATIDV GSGVTFVKGQ WKSVRGSAMHIDSYASLSAIWGTAA PSSQ
GSGNQAETGGTGAGNIGGG

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>DM_train1970

MLEDLIGKAYLESAEDRRRGRD RSEEVEAIRKYIRSAR RTVVP NWN A EKVD AINDVLRSFN LREAEHLQF
NTNWADLTRMPAVTKALMALDISGADLVIARGRLGVP GSGSLLVIMDSRGRLLSAAMSPPHVIHSME
VREAVRSEMTHALERIGFKR

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>DM_train1971

ALSPRRRKSFKKWTPRSPFNLVQEILFHDPWKLLIATIFLNR TSGKMAIPVL WEFLEKYPSAEVARAAD
WRDVS ELLKPLGLYDLRAKTIIKFSDEYLTKQWRYPIELH GIGKYGND SYRIFCVNEWKQVHPEDHKL N
KYHDWLWENHEKLSLS

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>DM_train1972

GTGQAADLKSTQAAIDQINGKLN RVIEKTNEKFHQIEKEFSEVEGRIQDLEKYVEDTKIDLW SYNAELL
VALENQHTIDLTDSEM NKLEKTRRQLRENA EEMGNGSFKIYHKCDNACIESIRNGTYDHDVYRDEAL
NNRFQIKGVELKSGYKDW

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>DM_train1974

GTL DSTWK EATLPQVKAMLEKDDGKVSGD TVTYSGKTVHVVA AVLPGFPPSFEV HDKKNPTLEIP
AGATVDVTFINTNKGFGH SF DITKKGPPYAVMPVIDPIVAGTGFSPV PKDGKFGYTDFTWHTAGTY Y
YVCQIPGHAATGMFGKIVVK

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>DM_train1982

PVVIKTEGPAWTPLEPKLITRLADTVRTKGLRSPITMAEVEALMSSPLLPHDVTNLMRVILGPAPYALW
MDAWGVQLQTVIAAATRDPRHPANGQGRGERTNLNRLKGLADGMVGNPQGQAALLRPGELVAIT
ASALQAFREVARLAEPAGPWA

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>DM_train1983

EELIEIREARMDDLDTIAKFNYNLAKETEGKELDMDVLTGKVKALLLDERKGGKYHVYTVFDKVVVAQIMY
TYEWSWRNGNFWLWISVYVDKEYRRKGIFNYLFNYIKNICDKDENIVGMRLYVEKENINAKATYESL
NMYECDYNMYEYEVHS

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>DM_train1984

GMFASLVIPVSAQANSQEMPEQQLAVKYMDALTEHDYKTLITFYNRDSIFFDKTANRKYTGGRFIID
FLERAHQGVLEDFNIEHMYNAGSLVVMIGNYHFKGPGEQFGKPGKIIDVAIPAVTSLKLDMLNRRVT
EHVDLIDYQTMSDLAMQ

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>DM_train1985

MKKILLNPNLNLMLGKREPHIYGSQTLSDIEQHLQSSAQAGYELDYFQANGEESLINRIHQAFQN
TDFIINPGAFHTSVAIRDALLAVSIPFIEVHLSNVHAREPFRHHSYLSDVAKGVICGLGAKGYDYALDF
AISELQKIQLGEMMNG

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>DM_train1986

MGSDKIHSHHHHMSDSLVCVDPPELKETLRKFRFRKTNNAIIMKVDKDRQMVVLEDELQNISPE
ELKLELPERQPRFVVYSYKYVHDDGRVSYPLCFIFSSPVGCKPEQQMMYAGSKNRLVQTAELTKVFEIR
TTDDLTTETWLKEKLAFRR

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>DM_train1987

MGSSSSGLVPRGSSFMLQHLNSGWAVDQAIVNEDERLVCIRFGHDYDPDCMKMDELKYVADDIK
NFCVIYLV DITEVPDFNTMYELYDPVSVMMFFYRNKHMMLDGTGNNKINWPMNNKQEFIDIVETIF
RGARKGRGLVISPKDYSTKYKY

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>DM_train1988

>DM_train2007

EKTCDLVGEKGESEKELALLKRLTFLFQKSFESTVGGQSPDMYSYVFRVCREAGQHSSGAGLVQIQKS
NGKETVVGRFNETQIFQGSNWIMLIYKGGDEYDNHCGREQRRAVVMISCNRHRTLADNFPVSEERG
KVQDCFYLFEMDSSLACS

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>DM_train2008

GSMSAKDERAREILRGFKLNWMNLRDAETGKILWQGTEDLSVPGVEHEARVPKILKCKAVSRELNFS
STEQMEKFRLEQKVYFKGQCLEEWFFEFGFVIPNSTNTWQSLIEAAPESQMMPASVLTGNVIETKFFD
DDLIVSTRVRLFYV

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>DM_train2009

MELTTRTLPARKHIALVAHDHCKQMLMSWVERHQPLLEQHVLVYATGTTGNLISRATGMNVNAMLS
GPMGGDQQVVALISEGKIDVLIFWFDPLNAVPHDPDVKALLRLATVWNIPIVATNVATADFIQSPHF
NDAVDILIPDYQRYLADRLK

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>DM_train2010

MLEKVEEWIKARGLTWRLIMQKPTRVAEAAALLGVSESEIVKTLIVLDNAGGVYAVVIPGDKRLNIN
SMKELAGKPVRLARANEVELTGYVGGVPPVALPPNIVLVDRILLSRKKVYGGGRENALLEFSPRE
LVEATGAVVADVSE

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>DM_train2011

MKPKSGAVRRLEKNTMNFVLSVDAAEAKEAIRDPLVAYNLARFGESDKRDLNITIRNDDNSVTGGL
VGHTARGWLYVQLLFVPEAMRGQGIAPKLLAMAEKARKRGCMGAYIDTMNPDALRTYERYGFTKI
GSLGPLSSGQSITWLEKRF

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>DM_train2013

GMNPENWLLRRVVRFGDTAAGVMHFHQLFRWCHESWEESLESYGLNPADIFPGSRKSEVTPEVA
LPIIHCQADFRRPIHTGDALAMELRPERLNPNSFQVHFREFRCEEQIAAHALIRHLAINAQTRHRCALPE
GIDRWLEASGVGKIGSI

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>DM_train2014

MNPAHLLVLSAVCVSLLGASSIPPQPLHLIQFGNMIQCTVPGFLSWIKYADYGCYCGAGGSGTPVDK

LDRCCQVHDNCYTQAQKLPACSSIMDSPYVKIYSYDCSERTVTCKADNDECAAFICNCDRVAACHF
AASPYNNNNYNIDTTTRC

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>DM_train2015

MRGSHHHHHHGSENLYFQSGLFDAPGRSQFVPADQAFAFDQFNQHDLNLTWQIKDGYLYRKQ
IRITPEHAKIADVQLPQGVWHEDEFYKGSEIYRDRLTLPVTINQASAGATLTVTYQGACADAGFCYPPET
KTVPLSEVANNAAPQPV

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>DM_train2016

MSKNTVSSARFRKVDVDEYDENKFVDEDDGGDQAGPDEGEVDSCLRQGNMTAALQAALKNPPI
NTKSQAVKDRAGSIVLKVLI SFKANDIEKAVQSLDKNGVDLLMKYIYKGFESPSD NSSAVLLQWHEKA
LAAGGVGSIVRVL TARKTV

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>DM_train2018

QGGAAPISSHARLDKSNFQQPYITNRTFMLAKEASLADNNTDVR LIGELFHGVMSERCYLMKQV
LNFTLEEVLPQSDRFQPYM QEVV PFLARLSNRLSTCHIEGDDLHIQRNVQKLKDTVKKLGESGEIKAI
GELDLLFM SLRNACI

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>DM_train2019

GMAKKTLLIYSSWGETKKMAEKINSEIKDSELKEVKVSEGTFDADMYKTS DIALDQIQGNKDFPEIQL
DNIDYNNYDLILIGSPVWVGYPATPIKTL LDQMKNYRGEVASFFTSAGTNHKAYVSHFNEWADGLNV
IGVARD DSEVDKWSK

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>DM_train2020

MRTFESVADLAAAAGEKVGQSDWVTITQEEVNLFADATGDHQWIHVDPERAAAGPFGTTIAHGFM
TLALLPRLQH QMYTVKGVKLAINYGLNKV RFPAPVPVGS RV RATSSLVGV EDLNGNGTVQATVSTTVE
VEGSAKPACVAESIVRYVA

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>DM_train2021

MDCMRKLD RVDMLQVKILSENSRLTYRELADILNTRQRIARRIDKLKLG IIRKFTIIPDIDKLG YMYAIV
LIKSKVPSDADKVI SEISDIEYVKSVEKGVGRYNIIVRLLL PKDIKDAENLISEFLQRIKNAENVEVILISEVRK
FEII

DPATV FRLVAAEALTLTGADGTLVAVPADPDASAAEELVIVEVAGAVPAEVEASAIPVQDNAIGQAFR
DRAPRRLDVLDGPGLGGPALVPLRATDTVAGVLVAVQGSGARPFTAEEQLEMMTGFADQAAVAW
QLASSQRRMSELDILAD

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>DM_train2063

MIPMEELKVKKITNGTVIDHIDAGKALMVFKVLNVPKETSVMIAINVPSKKKGKDKILKIEGIELKKEDVD
KISLISPDVTINIIRNGKVVEKLPQPDEIEGTLKCTNPNCITNKEKVRGKFKIESKNPLKIRCYCYCEKFLNE
WIFE

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>DM_train2064

TDLAQKRLAADVLDVGKNRVWFNPERQGDIAAITREDVRELVDEGAIQAKDKKGNSRGRARERQ
KKRAKGHQKAGSRGKAGARQNSKEDWESRIRAQRTKLRELRDEGTLSSSQYRDLYDKAGGGGFE
SVADLERYIDANHGDA

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>DM_train2065

KYKALAREAALSKIGELASEIFAETFEGKYSEVVVRAEENKVRLFVWVWEGKERPLTLFSGGERIALGLAFRL
AMSLYLAGEISLLILDEPTYLDEERRRKLITIMERYLKKIPQVILVSHDEELKDAADHVIRISLENGSSKVE
VVS

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>DM_train2066

MANLFKLGAENIFLGRKAATKEEAIKFAGEQLVKGGYVEPEYVQAMLDREKLTPTYLGESIAVPHGTVE
AKDRVLKTGVVFCQYPEGVRFGEEEDDIARLVIGIAARNNEHIQVITSLTNALDDESVERLAHTTSVDE
VLELLAGRK

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>DM_train2067

MSNEDLFICIDHVAYACPDADAEASKYYQETFGWHELHREENPEQGVVEIMMAPAAKLTEHMTQVQ
VMAPLNDESTVAKWLAKHNGRAGLHHMAWRVDDIDAVSATLRERGVQLLYDEPKLGTGGNRINF
MHPKSGKGVLIELTQYPKN

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>DM_train2068

MKVALGGTFEPLHEGHKKLIDVAIKLGGRDITIGVTSDRMARARIRSVLPFAIRAENVKRYVMRKYGFEP
EIVKITNPYKGLDLDVDFEYLTVVSPETYEMALKINQKREELGKRKITIVKVDWMMMAEDGKPISSTRIKRGEI
DRYGGII

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>DM_train2069

DVTPLSLGIETLGGIMTKLITRNTTIPTKKSQVFSTAADGQTQVQIKVFQGEREMATSINKLLGQFSLVGI
PPAPRGVPQVEVTFDIDANGIVNVSARDRGTGKEQQIVIQSSGGLSKDQIENMIKEAEKNAEADAKR

AREGIIGHYIHHNQRVGVLVELNCETDFVARNELFQNLAKDLAMHIAMMNPRYVSAEEIPAEELEKER
QIYIQAALNEGKPPQIAEKIAEGRLLKKYLEEVVLEQPFVKDDKVKVKELIQQAIAKIGENIVRRFCR FEL
GAMMC

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>DM_train2114
MMGIMSDPITILDSSDSLRLSSESVGRLVHRKDDLDFPVNFVLDYSAEQPRVYFRTAEGTKLFSVNL
NSDVLFEVDRFDDAEGWSVVLKGNAYVVRDTEEARHADTLGLKPWLPTLKYNFVRIDVREVS GRAFV
FGEEPERY

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>DM_train2115
MRNKNMSTIYQTSATASAGRNGVVSTEDKLELNLSYPKEMGGSGTATNPEQLFAVGYAACFSNAIL
HVAREAKVALKEAPVTATVIGPNGQGGFALSVALAAHIALEDEQARQLVTVAHQVCPYSNAVRGN
IDVQVSVNGLAL

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>DM_train2116
MSNPQPEKVRVVVGDDHPLFREGVVRALSLSGSVN VVGEADDGAAAELIKAHLDPVALLDYRMPG
MDGAQVAAAVRSYELPTRVLLISAHDEPAIVYQALQQGAAGFLLK DSTRTEIVKAVLDCAKGRDVVA
PSLVGGLAGEIR

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>DM_train2117
KPQIPKDKSKVAGYIEIPDADIKEPVYPGPATPEQLN RGVSF AEENESLDDQNISIAGHTFIDRPNYQFT
NLKAAKKGSMVYFKVGNETRYKMTSIRDVKPTDVGVLDEQKGKDKQLTLITADDYNEKTGVWEK RK
IFVATEVK

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>DM_train2118
MDELLNRLRQTWHTSTIPVSEFMQIAPLSFTDGELSVSAPLAPNINLHHTMFAGSIYTIMTLTGWGMV
WLQQQLLNVDGDIVLADAHIRYLAPV TSAPEVKVRWPD TNLSP LQRGRKAKVKLEVQLFC DGLKCA
QFDGLYVSVPKM

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>DM_train2119
GSMKQPFERILREICFMVKVEGRKVL RDFGITPAQFDILQKIYFEGPKRPGELSVLLGVAKSTVTGLVKRL
EADGYLTRTPDPADRRAYFLVITRKGEEVIEK VIERREN FIEKITS DLGKEKSSKILDY LKELKGMERNFSK
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>DM_train2121
MAAHELKEALET LKETGV RITPQRHAILEYLVNSMAHPTADDIYKALEGKFPNMSVATVYNNLRFRE
SGLVKELTYGDASSRFDVTS DHYHAICENCGKIVDFHYPG LDEVEQLAAHVTGFKVSHHRLEIYGVC

AESVQPLEKIAPYPQAEKGMKRQVIQLTPQEDESTLKVELLIGQTLEVDCNLHRLGGKLENKTLEGAAA
AYYVFDKVVSSPSTRMACPDGKKEKFFVTAYLGDAGMLRYNSKLPVVYTPDNVDVKYRVWKAEEKI
DNAVVR

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>DM_train2155

MIRVMATGVFDILHLGHIHYLKESKKLGDELVVVVARDSTARNGKIPIFDENSRLALISELKVVDRAIL
GHEGDMMKTVIEVKPDIITLGYDQKFDEAELQSKINKLGITVKIVRISKYDGQLNSSSSVRKKIMELIGER
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>DM_train2156

SDRPAGRMPLTVHRNVGRWLSEILHASIRDTGVSSRIEFVRRTLHGWWREEYSETELPAVYRNLYFPV
LDAQPAHAGSGKIETISECDRLKNLVRNVDTLVENYPQGLESEALLIALDGVKLELARIRKDIEMYGDP
RKR

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>DM_train2157

MGSDKIHHPPEAYS LDTAIFVLETRDYRLSDVKEIDSYGDVEMKGVAVFETEYGPVFLYVYKG
EEAKKIWKLN GRAGFVSIRSVDLPNMKG FSTV SNGKIVAWWRKNWLFIVEGKNGVEEFVKHVYR
VYEEMKQ

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>DM_train2158

ATEATNATNNQSTQVSQATSQPINFQVQKDGSSSEKSHMDDYMQHPGKVIKQNNKYYFQTVLNNA
SFWKEYKFNANNQELATTVVNDNKKADTRTINVAVEPGYKSLTTKVHIVVPQINYNHRYTTTHLEFEK
AIPTLADAAK

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>DM_train2159

DNGCSVAAESTNFTVDLMENAAKQFNNIGATTPVVPFRILLSPCGNAVSAVKVGFTGVADSHNANL
LALENTVSAASGLGIQLLNEQQNQIPLNAPSSALSWTTLTPGKPNLNFYARLMATQVPVTAGHINA
TATFTLEYQ

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>DM_train2160

EGICRNRVTNNVKDVTKLVANLPKDYMITLKYVPGMDVLP SHCWISEMVVQLSDSLD LLDKFSNISE
GLSNYSIIDKLVNIVDDLVECVKENSSKDLKKSFKSPEPRLFTPEEFFRIFNRSIDAFKDFVVASETSDCVV
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>DM_train2161

FDDVVSRQE QSYVQRGMVNF LDEEMHKLVKRFRDMRWNLGPGFVLLKKNRERMMRYCMDY
ARYSKKILQLKHLVPNKKTLTKMGRFVGYRNYGVIRELYADVFRDVQGFRGPKMTAAMRKYSSKDPG

>DM_train2170
GMENTKVTGKFDVKLTPENAYATGVGGVNLGRMALDKTFYGELEARSQGEMLSAMTAVKGSAGYV
AIEQVVGKLCGRQGSFVLQHFGIMTDGQNRLHLEVPHSGAGELTGLYGTMAISIENGQHFYEFSCF
EPASEVEG
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>DM_train2171
MAHHHHHMHMGSRISKEAAPVTFKNGKPTVKGTKTYPMFSNILYRIADTEARRWAFYNDKELIHHVAV
LFDYDSQIVPLGDTTAFRIDDPDEGNEDDFGKYLCEVDVRPLETQMFVEG SVTGWRVDTLEARTAED
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>DM_train2172
GHMENKVINFKKIIDSRGSLVAIEENKNIPFSIKRVYYIFDTKGEEPRGFHAHKKLEQVLVCLNGSCR
VIL
DDGNIIQEITLDSPAVGLYVGPVAVWHEMHD FSSDCVMMVLASDYDETDYIRQYDNFKKYIAKINLE
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>DM_train2173
GMDQESNATSQDILKQHAHYESDMGGLPEALVQLAEYAPETFDAYSRMRTTMLKSEADGAKLPLK
YKHLILVVLDAIRDEPIGIVNHTRAAMNAGLSVDELIEGILLGIIVYGMPAWGKTGRKAVTFAVEFEKEL
GKRT
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>DM_train2174
NLYFQGMRFVNPPIFVRDINRSKSFYRDLGLKILEDFGSFVLFETGFAIHEGRSLEETIWR TSSDAQEAY
GRRNMLLYFEHADVDAAFQDIAPHVELIHLERQAWGQRVFRFYDPDGHAIEVGESLSQSGENLYFQ
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>DM_train2175
NIEQQLYDVVKQLIEQRYPNWGGAAAIRVEDGTIYTSVAPDVINASTELCMETGAILEAHKFQKKVT
HSICLARENEHSELKVLSPCGVCQERLFYWGPEVQCAITNAKQDIIFKPLKELQPYHWTEAYHDEMVK
EWSTR
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>DM_train2176
PKQVGNAQHLYDNYDLVPAMIAEVNPRDMVVMALVNTNVDPTLPPRWALATRNITAIPGIEGDTR
KVGTRIPAVAVTGQRSVGNQDSWDQISPMPIAWATPDSSVIARAESTIPSEQWTTLSKNLNKLDQVR
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>DM_train2177
MAETKIVVGPQPFSVGEYPLAERDEDGAVVTFTGKVRNHNLGDSVNALTLEHYPGMTEKALAEIV

>DM_train2251
AGGGGSSSGADHISLNPDLANEDEVNSCDYWRHCAVDGFLCSCCGGTTTTCPGSTPSPISWIGTC
HNPHDGKDY LISYHDCCGKTACGRQCNTQTRERPGEFFLHNDVNWCMANENSTFHCTTSVLVG
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>DM_train2254
EAPFTLKVNTLPLNFDKAEHRKFQIHINVSYIGERPNSNMVVDVKMMSGFIPVKPSVKKLQDQSNIQ
RTEVNTNHLVIYIEKLTNQTMGFSFAVEQDIPVKNLKPAPVKVYDYETDEFAIEEYSAPFSSDS
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>DM_train2255
MARIPMASAGTSCVPGWAIPHNPSCRWVYTSRTCIGIGRPLPWPELKRCCRELADIPAYCRCTALS
ILMDGAIPPGPDAQLEGRLEDLPGCPREVQRGFAATLVTEAECNLATISGVAECPWILGGGTMP
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>DM_train2256
STTPAAGVLDTSVFIATESGRQLDEALIPDRVATTVVTLAELRVGLAAATTDIRAQLATLESVADME
TLPVDDDAARMWARLRIHLAESGRRVRINDLWIAAVAASRALPVITQDDDFAAALDGAASVEIRV
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>DM_train2257
MIYMPIVVAVDKKSDRAERVLRAAEERLRGVPVYVHSLPGGGRTKDEDIEAKETLSWAVSIIRKEG
AEGEEHLLVRGKEPPDDIVDFADEVDAIAIVIGIRKRSPTGKLIFGSVARDVILKANKPVICIK
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>DM_train2258
GMSNALATLSPADDIAFYEERLRAAMLTDGLKLETLADDLAFVDHTGCVKTKQTHLEPYRAGLLK
LSRLDLSDAVVRAAGEDGRVVVRAVTAGVYDGEAFTETLRFTRIWRRTQGPAGWKLVAHGCSVIL
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>DM_train2261
GMKLQTTIQHEPKDGSDFDRGLREFFEYRDTGVNEATGGMFGAHVIRAIKPKPTWHTHTVGFQL
FYVLRGWVEFHEYEDIGAVMLEAGGSFQPPGVRHRELRHSDDLEVLEIVSPAGFATSVDLEARKP
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>DM_train2262
AGGRSWCLRRVGMASGWLLEDGCEVTVGRFGVTVYQLVSKICPLMISRNHCVLKQNPGEQWTIM
DNKSLNGVWLNRRARLEPLRVYSIHQGDYIQLGVPLENKENAEYEVTEEDWETIYPCLSPKNDQMIE
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>DM_train2263
TLRVPELYCFDINVSQFFVDVLDVGFVKYERPDEEFVYTLTDGVDVMLEGIAGKSRKWLSGDLEFPLG

FSLRLNNSFLREWWWVTHIANGKTKIRVAIKPTIEIGGRDVEVPVFLRESEFTTKLLS
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>DM_train2386
IVVYTDREYVGAVGSQVTLHCSFWSSEWVSDDISFTWRYQPEGGRDAISIFHYAKQPYPIDEVGTFKS
RIQWVGDPSPWKDGSIVIHNLDYSDNGTFTCDVKNPPDIVGKTSQVTLVFEKVPTR
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>DM_train2387
SGPVMCYPGQAFQVPALPACRPLLRLQCNGSQVPEAVLRDCCQQLAHISEWCRCGALYSMLDSM
YKEHGAQEQAGTGAFPRCRREVVKLTAASITAVCRLPIVVDASGDGAYVCKDVAAYPDA
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>DM_train2388
TESGTAAQDPEALAAEIGPVKQVSLGEQIDAALAAQGEQLFNTYCTACHRLDERFIGPALRDVTKRRG
PVYIMNVMLNPNNGMIQRHPVMKQLVQEYGTMMTDMALSEEQARAILEYLRQVAENQ
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>DM_train2389
LRPKALTQVLSQANTGGVQSTLLLLNEGSLLAYSGYGTDARVTAIASNIWAAADRNGNQAFNED
SLKFILMDCMEGRVAITRVANLLLCMYAKETVFGMLKAKAQAQVLEEQVLEPLTQVAAS
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>DM_train2390
GLPVEVRGSNGAFYKGFVKDVHEDSVTIFFENNWQSERQIPFGDVRLPPPADYNKEITEGDEVEVYSR
ANEQEPCGWLRLARVMMKGFYVIEYAACDATYNEIVTLERLRLVNPPLATKGSF
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>DM_train2391
MSWIEPIISHFCQDLGVPTSSPLSPLIQLEMAQSGTLQLEQH GATLTLWLARSLAWHRCE DAMVKAL
TLTAAQKSGALPLRAGWLGESQLVLFVSLDERSLTLPLLHQAFEQLLRQEV LAPP
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>DM_train2392
GHMSDLVTKFESLIISKYPVSFTKEQSAQAAQWESVLKSGQIQPHLDQLNLVLRDNTFIVSTLYPTSTD
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00011

>DM_train2393
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>DM_train2394

>DM_train2405
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>DM_train2406
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>DM_train2407
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>DM_train2408
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>DM_train2409
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>DM_train2410
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>DM_train2411
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>DM_train2412
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>DM_train2413
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>DM_train2423

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>DM_train2424

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>DM_train2425

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>DM_train2426

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>DM_train2427

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>DM_train2428

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>DM_train2430

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>DM_train2431

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001111111

>DM_train2432

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>DM_train2433

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>DM_train2435

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>DM_train2436

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>DM_train2437

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>DM_train2438

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>DM_train2439

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>DM_train2440

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>DM_train2441

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>DM_train2442

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>DM_train2625
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>DM_train2626
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>DM_train2628
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>DM_train2629
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>DM_train2632
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>DM_train2633

>DM_train2642
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>DM_train2644
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>DM_train2645
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>DM_train2646
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>DM_train2647
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>DM_train2648
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>DM_train2650
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>DM_train2653
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>DM_train2654
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>DM_train2655
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>DM_train2656
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>DM_train2657
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>DM_train2658
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>DM_train2659
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>DM_train2660
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>DM_train2671
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>DM_train2672
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>DM_train2673
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>DM_train2674
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>DM_train2675
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>DM_train2676
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>DM_train2677
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>DM_train2678
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>DM_train2679

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>DM_train2709

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>DM_train2710

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>DM_train2711

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>DM_train2712

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>DM_train2713

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>DM_train2714

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>DM_train2715

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>DM_train2716

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>DM_train2717

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>DM_train2755

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>DM_train2756

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>DM_train2757

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>DM_train2758

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>DM_train2759

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>DM_train2760

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100
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>DM_train2761

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00000000000000000000000000000111111000
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>DM_train2762

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GDYEVSVKFN EEHIPDSFPVVPVASPS

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>DM_train2763

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>DM_train2839
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>DM_train2860

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>DM_train2861

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>DM_train2862

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>DM_train2863

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>DM_train2864

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>DM_train2865

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>DM_train2866

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>DM_train2867

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>DM_train2869

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>DM_train2905
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>DM_train2915

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>DM_train2916

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>DM_train2917

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>DM_train2918

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>DM_train2924

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>DM_train2925

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>DM_train2964

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>DM_train2965

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>DM_train2966

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>DM_train2969

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>DM_train2970

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>DM_train2971

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>DM_train2976

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>DM_train2978

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