>DM\_train26 GLVPRGSHMMEILRGSPALSAFRINKLLARFQAANLQVHNIYAEYVHFADLNAPLNDSEQAQLTRLL QYGPALSSHTPAGKLLLVTPRPGTISPWSSKATDIAHNCGLQQVDRLERGVAYYIEASTLTAEQWRQV AAELHDRMMETVFSSLTDAEKLFIHHQPAPVSSVDLLGEGRQALIDANLRLGLALAEDEIDYLQEAFTK LGRNPNDIELYMFAQANSEHCRHKIFNADWIIDGKPQPKSLFKMIKNTFETTPDYVLSAYKDNAAVM EGSAVGRYFADHNTGRYDFHQEPAHILMKVETHNHPTAISPWPGAATGSGGEIRDEGATGRGAKPK AGLVGFSVSNLRIPGFEQPWEEDFGKPERIVTALDIMTEGPLGGAAFNNEFGRPALTGYFRTYEEKVNS HNGEELRGYHKPIMLAGGIGNIRADHVQKGEIVVGAKLIVLGGPAMNIGLGGGAASSMASGQSDAD LDFASVQRDNPEMERRCQEVIDRCWQLGDANPILFIHDVGAGGLSNAMPELVSDGGRGGKFELRDI LSDEPGMSPLEIWCNESQERYVLAVAADQLPLFDELCKRERAPYAVIGDATEEQHLSLHDNHFDNQP IDLPLDVLLGKTPKMTRDVQTLKAKGDALNRADITIADAVKRVLHLPTVAEKTFLVTIGDRTVTGMVAR DQMVGPWQVPVADCAVTTASLDSYYGEAMSIGERAPVALLDFAASARLAVGEALTNIAATQIGDIKR IKLSANWMAAAGHPGEDAGLYDAVKAVGEELCPQLGLTIPVGKDSMSMKTRWQEGNEQREMTSPL SLVISAFARVEDVRHTLTPQLSTEDNALLLIDLGKGHNALGATALAQVYRQLGDKPADVRDVAQLKG FYDAMQALVAARKLLAWHDRSDGGLLVTLAEMAFAGHCGVQVDIAALGDDHLAALFNEELGGVIQ VRAEDRDAVEALLAQYGLADCVHYLGQALAGDRFVITANDQTVFSESRTTLRVWWAETTWQMQRL RDNPQCADQEHEAKANDTDPGLNVKLSFDINEDIAAPYIATGARPKVAVLREQGVNSHVEMAAAFH RAGFDAIDVHMSDLLGGRIGLGNFHALVACGGFSYGDVLGAGEGWAKSILFNHRVRDEFETFFHRPQ TLALGVCNGCQMMSNLRELIPGSELWPRFVRNHSDRFEARFSLVEVTQSPSLLLQGMVGSQMPIAVS HGEGRVEVRDDAHLAALESKGLVALRYVDNFGKVTETYPANPNGSPNGITAVTTENGRVTIMMPHP ERVFRTVANSWHPENWGEDSPWMRIFRNARKQLG 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000001111111111111111111000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000

>DM\_train27 MANVWGVRLADSLSSPTIETRTRQYTLHDLCSDLDANPGREPWKPLRNQRTNNIVAVQLFRPLQGL VLDTQLYGFPGAFDDWERFMREKLRVLKYEVLRIYPISNYSNEHVNVFVANALVGAFLSNQAFYDLLP LLIINDTMIGDLLGTGASLSQFFQSHGDVLEVAAGRKYLQMENYSNDDDDPPLFAKDLSDYAKAFYS DTYEVLDRFFWTHDSSAGVLVHYDKPTNGHHYLLGTLTQMVSAPPYIINATDAMLLESCLEQFSANV

RARPAQPVTRLDQCYHLRWGAQYVGEDSLTYRLGVLSLLATNGYQLARPIPRQLTNRWLSSFVSQIM SDGVNETPLWPQERYVQIAYDSPSVVDGATQYGYVRKNQLRLGMRISALQSLSDTPSPVQWLPQYT IDQAAMDEGDLMVSRLTQLPLRPDYGNIWVGDALSYYVDYNRSHRVVLSSELPQLPDTYFDGDEQY GRSLFSLARKIGDRSLVKDTAVLKHAYQAIDPNTGKEYLRSRQSVAYFGASAGHSGADQPLVIEPWIQ GKISGVPPPSSVRQFGYDVARGAIVDLARPFPSGDYQFVYSDVDQVVDGHDDLSISSGLVESLLSSCM HATAPGGSFVVKINFPTRPVWHYIEQKILPNITSYMLIKPFVTNNVELFFVAFGVHQHSSLTWTSGVYF FLVDHFYRYETLSTISRQLPSFGYVDDGSSVTGIETISIENPGFSNMTQAARIGISGLCANVGNARKSIAI YESHGARVLTITSRRSPASARRKSRLRYLPLIDPRSLEVQARTILPADPVLFENVSGASPHVCLTMMYNF EVSSAVYDGDVVLDLGTGPEAKILELIPATSPVTCVDIRPTAQPSGCWNVRTTFLELDYLSDGWITGVR GDIVTCMLSLGAAAAGKSMTFDAAFQQLIKVLSKSTANVVLVQVNCPTDVVRSIKGYLEIDSTNKRYR FPKFGRDEPYSDMDALEKICRTAWPNCSITWVPLSYDLRWTRLALLESTTLSSASIRIAELMYKYMPIM

RIDIHGLPMEKRGNFIVGQNCSLVIPGFNAQDVFNCYFNSALAFSTEDVNAAMIPQVSAQFDATKGE WTLDMVFSDAGIYTMQALVGSNANPVSLGSFVVDSPDVDITDAWPAQLDFTIAGTDVDITVNPYYR LMTFVRIDGQWQIANPDKFQFFSSASGTLVMNVKLDIADKYLLYYIRDVQSRDVGFYIQHPLQLLNTI TLPTNEDLFLSAPDMREWAVKESGNTICILNSQGFVLPQDWDVLTDTISWSPSIPTYIVPPGDYTLTPL 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train29 MSSMILTQFGPFIESISGITDQSNDVFEDAAKAFSMFTRSDVYKALDEIPFSDDAMLPIPPTIYTKPSHDS YYYIDALNRVRRKTYQGPDDVYVPNCSIVELLEPHETLTSYGRLSEAIENRAKDGDSQARIATTYGRIAE SQARQIKAPLEKFVLALLVAEAGGSLYDPVLQKYDEIPDLSHNCPLWCFREICRHISGPLPDRAPYLYLS AGVFWLMSPRMTSAIPPLLSDLVNLAILQQTAGLDPSLVKLGVQICLHAAASSSYSWFILKTKSIFPQN TLHSMYESLEGGYCPNLEWLEPRSDYKFMYMGVMPLSAKYARSAPSNDKKARELGEKYGLSSVVGEL RKRTKTYVKHDFASVRYIRDAMACTSGIFLVRTPTETVLQEYTQSPEIKVPIPQKDWTGPIGEIRILKDTT SSIARYLYRTWYLAAARMAAQPRTWDPLFQAIMRSQYVTARGGSGAALRESLYAINVSLPDFKGLPV KAATKIFQAAQLANLPFSHTSVAILADTSMGLRNQVQRRPRSIMPLNVPQQQVSAPHTLTADYINYH MNLSPTSGSAVIEKVIPLGVYASSPPNQSINIDISACDASITWDFFLSVIMAAIHEGVASSSIGKPFMGV PASIVNDESVVGVRAARPISGMQNMIQHLSKLYKRGFSYRVNDSFSPGNDFTHMTTTFPSGSTATSTE

HTANNSTMMETFLTVWGPEHTDDPDVLRLMKSLTIQRNYVCQGDDGLMIIDGTTAGKVNSETIQN DLELISKYGEEFGWKYDIAYDGTAEYLKLYFIFGCRIPNLSRHPIVGKERANSSAEEPWPAILDQIMGVFF NGVHDGLQWQRWIRYSWALCCAFSRQRTMIGESVGYLQYPMWSFVYWGLPLVKAFGSDPWIFSW YMPTGDLGMYSWISLIRPLMTRWMVANGYVTDRCSTVFGNADYRRCFNELKLYQGYYMAQLPRNP KKSGRAASREVREQFTQALSDYLMQNPELKSRVLRGRSEWEKYGAGIIHNPPSLFDVPHKWYQGAQ EAAIATREELAEMDETLMRARRHSYSSFSKLLEAYLLVKWRMCEAREPSVDLRLPLCAGIDPLNSDPFL KMVSVGPMLQSTRKYFAQTLFMAKTVSGLDVNAIDSALLRLRTLGADKKALTAQLLMVGLQESEADA LAGKIMLQDVNTVQLARVVNLAVPDTWMSLDFDSMFKHHVKLLPKDGRHLNTDIPPRMGWLRAIL RFLGAGMVMTATGVAVDIYLEDIHGGGRSLGQRFMTWMRQEGRSA 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000001111111100000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000000 >DM\_train31 ESTVTEELKEGIDAVYPSLVGTADSKAEGIKNYFKLSFTLPEEQKSRTVGSEAPLKDVAQALSSRARYELF TEKETANPAFNGEVIKRYKELMEHGEGIADILRSRLAKFLNTKDVGKRFAQGTEANRWVGGKLLNIVE QDGDTFKYNEQLLQTAVLAGLQWRLTATSNTAIKDAKDVAAITGIDQALLPEGLVEQFDTGMTLTEA VSSLAQKIESYWGLSRNPNAPLGYTKGIPTAMAAEILAAFVESTDVVENIVDMSEIDPDNKKTIGLYTIT ELDSFDPINSFPTAIEEAVLVNPTEKMFFGDDIPPVANTQLRNPAVRNTPEQKAALKAEQATEFYVHTP MVQFYETLGKDRILELMGAGTLNKELLNDNHAKSLEGKNRSVEDSYNQLFSVIEQVRAQSEDISTVPI HYAYNMTRVGRMQMLGKYNPQSAKLVREAILPTKATLDLSNQNNEDFSAFQLGLAQALDIKVHTM TREVMSDELTKLLEGNLKPAIDMMVEFNTTGSLPENAVDVLNTALGDRKSFVALMALMEYSRYLVAE DKSAFVTPLYVEADGVTNGPINAMMLMTGGLFTPDWIRNIAKGGLFIGSPNKTMNEHRSTADNNDL YQASTNALMESLGKLRSNYASNMPIQSQIDSLLSLMDLFLPDINLGENGALELKRGIAKNPLTITIYGSG ARGIAGKLVSSVTDAIYERMSDVLKARAKDPNISAAMAMFGKQAASEAHAEELLARFLKDMETLTSTV PVKRKGVLELQSTGTGAKGKINPKTYTIKGEQLKALQENMLHFFVEPLRNGITQTVGESLVYSTEQLQK ATQIQSVVLEDMFKQRVQEKLAEKAKDPTWKKGDFLTQKELNDIQASLNNLAPMIETGSQTFYIAGSE NAEVANQVLATNLDDRMRVPMSIYAPAQAGVAGIPFMTIGTGDGMMMQTLSTMKGAPKNTLKIF DGMNIGLNDITDASRKANEAVYTSWQGNPIKNVYESYAKFMKNVDFSKLSPEALEAIGKSALEYDQR ENATVDDIANAASLIERNLRNIALGVDIRHKVLDKVNLSIDQMAAVGAPYQNNGKIDLSNMTPEQQ ADELNKLFREELEARKQKVAKA

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>DM\_train33 MPNFFIDRPIFAWVIAIIIMLAGGLAILKLPVAQYPTIAPPAVTISASYPGADAKTVQDTVTQVIEQNMN GIDNLMYMSSNSDSTGTVQITLTFESGTDADIAQVQVQNKLQLAMPLLPQEVQQQGVSVEKSSSSF LMVVGVINTDGTMTQEDISDYVAANMKDAISRTSGVGDVQLFGSQYAMRIWMNPNELNKFQLTPV DVITAIKAQNAQVAAGQLGGTPPVKGQQLNASIIAQTRLTSTEEFGKILLKVNQDGSRVLLRDVAKIEL GGENYDIIAEFNGQPASGLGIKLATGANALDTAAAIRAELAKMEPFFPSGLKIVYPYDTTPFVKISIHEVV KTLVEAIILVFLVMYLFLQNFRATLIPTIAVPVVLLGTFAVLAAFGFSINTLTMFGMVLAIGLLVDDAIVVV ENVERVMAEEGLPPKEATRKSMGQIQGALVGIAMVLSAVFVPMAFFGGSTGAIYRQFSITIVSAMALS VLVALILTPALCATMLKPIAKGDHGEGKKGFFGWFNRMFEKSTHHYTDSVGGILRSTGRYLVLYLIIVVG MAYLFVRLPSSFLPDEDQGVFMTMVQLPAGATQERTQKVLNEVTHYYLTKEKNNVESVFAVNGFGF AGRGQNTGIAFVSLKDWADRPGEENKVEAITMRATRAFSQIKDAMVFAFNLPAIVELGTATGFDFELI DQAGLGHEKLTQARNQLLAEAAKHPDMLTSVRPNGLEDTPQFKIDIDQEKAQALGVSINDINTTLGA AWGGSYVNDFIDRGRVKKVYVMSEAKYRMLPDDIGDWYVRAADGQMVPFSAFSSSRWEYGSPRLE RYNGLPSMEILGQAAPGKSTGEAMELMEQLASKLPTGVGYDWTGMSYQERLSGNQAPSLYAISLIVV FLCLAALYESWSIPFSVMLVVPLGVIGALLAATFRGLTNDVYFQVGLLTTIGLSAKNAILIVEFAKDLMDK EGKGLIEATLDAVRMRLRPILMTSLAFILGVMPLVISTGAGSGAQNAVGTGVMGGMVTATVLAIFFVP VFFVVVRRRFSRKNEDIEHSHTVDHHHHHH 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000111111111111110000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000011111111100000000000000000000000000000000

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>DM\_train34 DDPIRPPLKVARSPRPGQCQDVVQDVPNVDVQMLELYDRMSFKDIDGGVWKQGWNIKYDPLKYN AHHKLKVFVVPHSHNDPGWIQTFEEYYQHDTKHILSNALRHLHDNPEMKFIWAEISYFARFYHDLGE NKKLQMKSIVKNGQLEFVTGGWVMPDEANSHWRNVLLQLTEGQTWLKQFMNVTPTASWAIAPFG HSPTMPYILQKSGFKNMLIQRTHYSVKKELAQQRQLEFLWRQIWDNKGDTALFTHMMPFYSYDIPH TCGPDPKVCCQFDFKRMGSFGLSCPWKVPPRTISDQNVAARSDLLVDQWKKKAELYRTNVLLIPLGD DFRFKQNTEWDVQRVNYERLFEHINSQAHFNVQAQFGTLQEYFDAVHQAERAGQAEFPTLSGDFF TYADRSDNYWSGYYTSRPYHKRMDRVLMHYVRAAEMLSAWHSWDGMARIEERLEQARRELSLFQ HHDGITGTAKTHVVVDYEQRMQEALKACQMVMQQSVYRLLTKPSIYSPDFSFSYFTLDDSRWPGSG VEDSRTTIILGEDILPSKHVVMHNTLPHWREQLVDFYVSSPFVSVTDLANNPVEAQVSPVWSWHHDT LTKTIHPQGSTTKYRIIFKARVPPMGLATYVLTISDSKPEHTSYASNLLLRKNPTSLPLGQYPEDVKFGDP REISLRVGNGPTLAFSEQGLLKSIQLTQDSPHVPVHFKFLKYGVRSHGDRSGAYLFLPNGPASPVELGQ PVVLVTKGKLESSVSVGLPSVVHQTIMRGGAPEIRNLVDIGSLDNTEIVMRLETHIDSGDIFYTDLNGLQ FIKRRRLDKLPLQANYYPIPSGMFIEDANTRLTLLTGQPLGGSSLASGELEIMQDRRLASDDERGLGQG VLDNKPVLHIYRLVLEKVNNCVRPSKLHPAGYLTSAAHKASQSLLDPLDKFIFAENEWIGAQGQFGGD HPSAREDLDVSVMRRLTKSSAKTQRVGYVLHRTNLMQCGTPEEHTQKLDVCHLLPNVARCERTTLTF LQNLEHLDGMVAPEVCPMETAAYVSSHSS 111111111111111111000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000

>DM\_train35 ALVRDDVDYQIFRDFAENKGRFSVGATNVEVRDKNNHSLGNVLPNGIPMIDFSVVDVDKRIATLINP QYVVGVKHVSNGVSELHFGNLNGNMNNGNAKSHRDVSSEENRYFSVEKNEYPTKLNGKAVTTEDQ TQKRREDYYMPRLDKFVTEVAPIEASTASSDAGTYNDQNKYPAFVRLGSGSQFIYKKGDNYSLILNNH EVGGNNLKLVGDAYTYGIAGTPYKVNHENNGLIGFGNSKEEHSDPKGILSQDPLTNYAVLGDSGSPLF VYDREKGKWLFLGSYDFWAGYNKKSWQEWNIYKPEFAKTVLDKDTAGSLTGSNTQYNWNPTGKTS VISNGSESLNVDLFDSSQDTDSKKNNHGKSVTLRGSGTLTLNNNIDQGAGGLFFEGDYEVKGTSDST TWKGAGVSVADGKTVTWKVHNPKSDRLAKIGKGTLIVEGKGENKGSLKVGDGTVILKQQADANNKV KAFSQVGIVSGRSTVVLNDDKQVDPNSIYFGFRGGRLDANGNNLTFEHIRNIDDGARLVNHNTSKTS TVTITGESLITDPNTITPYNIDAPDEDNPYAFRRIKDGGQLYLNLENYTYYALRKGASTRSELPKNSGES

NENWLYMGKTSDEAKRNVMNHINNERMNGFNGYFGEEEGKNNGNLNVTFKGKSEQNRFLLTGGT NLNGDLKVEKGTLFLSGRPTPHARDIAGISSTKKDQHFAENNEVVVEDDWINRNFKATNINVTNNAT LYSGRNVANITSNITASDNAKVHIGYKAGDTVCVRSDYTGYVTCTTDKLSDKALNSFNATNVSGNVN LSGNANFVLGKANLFGTISGTGNSQVRLTENSHWHLTGDSNVNQLNLDKGHIHLNAQNDANKVTT YNTLTVNSLSGNGSFYYLTDLSNKQGDKVVVTKSATGNFTLQVADKTGEPTKNELTLFDASNATRNN LNVSLVGNTVDLGAWKYKLRNVNGRYDLYNPEVEKRNQTVDTTNITTPHHHHHHVP

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>DM\_train39 MSDLETVAKFLAESVIASTAKTSERNLRQLETQDGFGLTLLHVIASTNLPLSTRLAGALFFKNFIKRKWV DENGNHLLPANNVELIKKEIVPLMISLPNNLQVQIGEAISSIADSDFPDRWPTLLSDLASRLSNDDMVT NKGVLTVAHSIFKRWRPLFRSDELFLEIKLVLDVFTAPFLNLLKTVDEQITANENNKASLNILFDVLLVLIK LYYDFNCQDIPEFFEDNIQVGMGIFHKYLSYSNPLLEDPDETEHASVLIKVKSSIQELVQLYTTRYEDVF GPMINEFIQITWNLLTSISNQPKYDILVSKSLSFLTAVTRIPKYFEIFNNESAMNNITEQIILPNVTLREEDV ELFEDDPIEYIRRDLEGSDTDTRRRACTDFLKELKEKNEVLVTNIFLAHMKGFVDQYMSDPSKNWKFKD LYIYLFTALAINGNITNAGVSSTNNLLNVVDFFTKEIAPDLTSNNIPHIILRVDAIKYIYTFRNQLTKAQLIE LMPILATFLQTDEYVVYTYAAITIEKILTIRESNTSPAFIFHKEDISNSTEILLKNLIALILKHGSSPEKLAENEF LMRSIFRVLQTSEDSIQPLFPQLLAQFIEIVTIMAKNPSNPRFTHYTFESIGAILNYTQRQNLPLLVDSM MPTFLTVFSEDIQEFIPYVFQIIAFVVEQSATIPESIKPLAQPLLAPNVWELKGNIPAVTRLLKSFIKTDSSIF PDLVPVLGIFQRLIASKAYEVHGFDLLEHIMLLIDMNRLRPYIKQIAVLLLQRLQNSKTERYVKKLTVFFG LISNKLGSDFLIHFIDEVQDGLFQQIWGNFIITTLPTIGNLLDRKIALIGVLNMVINGQFFQSKYPTLISST MNSIIETASSQSIANLKNDYVDLDNLEEISTFGSHFSKLVSISEKPFDPLPEIDVNNGVRLYVAEALNKYN AISGNTFLNTILPQLTQENQVKLNQLLVGN 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000011000000000000000000000000000000 000000000000000000000001111110000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000001111 000000000000000000000000000000000000001111000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train40 ATPSMMPQWSYMHISGQDASEYLSPGLVQFARATETYFSLNNKFRNPTVAPTHDVTTDRSQRLTLR FIPVDREDTAYSYKARFTLAVGDNRVLDMASTYFDIRGVLDRGPTFKPYSGTAYNALAPKGAPNPCE WDEAATALEINLEEEDDDNEDEVDEQAEQQKTHVFGQAPYSGINITKEGIQIGVEGQTPKYADKTFQ PEPQIGESQWYETEINHAAGRVLKKTTPMKPCYGSYAKPTNENGGQGILVKQQNGKLESQVEMQFF STTEATAGNGDNLTPKVVLYSEDVDIETPDTHISYMPTIKEGNSRELMGQQSMPNRPNYIAFRDNFIG LMYYNSTGNMGVLAGQASQLNAVVDLQDRNTELSYQLLLDSIGDRTRYFSMWNQAVDSYDPDVRI IENHGTEDELPNYCFPLGGVINTETLTKVKPKTGQENGWEKDATEFSDKNEIRVGNNFAMEINLNANL WRNFLYSNIALYLPDKLKYSPSNVKISDNPNTYDYMNKRVVAPGLVDCYINLGARWSLDYMDNVNP FNHHRNAGLRYRSMLLGNGRYVPFHIQVPQKFFAIKNLLLLPGSYTYEWNFRKDVNMVLQSSLGND LRVDGASIKFDSICLYATFFPMAHNTASTLEAMLRNDTNDQSFNDYLSAANMLYPIPANATNVPISIP SRNWAAFRGWAFTRLKTKETPSLGSGYDPYYTYSGSIPYLDGTFYLNHTFKKVAITFDSSVSWPGNDR LLTPNEFEIKRSVDGEGYNVAQCNMTKDWFLVQMLANYNIGYQGFYIPESYKDRMYSFFRNFQPMS RQVVDDTKYKDYQQVGILHQHNNSGFVGYLAPTMREGQAYPANFPYPLIGKTAVDSITQKKFLCDR TLWRIPFSSNFMSMGALTDLGQNLLYANSAHALDMTFEVDPMDEPTLLYVLFEVFDVVRVHRPHRG VIETVYLRTPFSAGNATT 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000111111111111111 111111111111110000000000000000000000111111000000000000000000000000000000000 000000000000000000000000011111110000000000001111111100000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000011111100000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000011111

>DM\_train43 MVAKKWVYYFGGGNADGNKNMKELLGGKGANLAEMVNLGIPVPPGFTITTEACKTYQETETIPQEV ADQVRENVSRVEKEMGAKFGDPANPLLFSVRSGAAASMPGMMDTVLNLGLNKVTVDAWVRRAPR LERFVYDSYRRFITMYADIVMQVGREDFEEALSRMKERRGTKFDTDLTASDLKELCDGYLELFELKTGC SFPQDPVMQLFAAIKAVFRSWGNPRATIYRRMNNITGLLGTAVNVQAMVFGNINDRSATGVAFSRS PSTGENFFFGEYLVNAQGEDVVAGIRTPQQINHSLSLRWAKAHGVGEEERRKRYPSMEEAMPENYRL LCDVRKRLENHYRDMQDLEFTVQDGRLWLLQCRNGKRTIHAAVRIAIDMVNEGLISREEAVLRIDPY QVDHLMHPNLEPGAEKANKPIGRGLAASPGAAVGQVVFDAESAKEWSGRGKKVIMVRLETSPEDLA GMDAACGILTARGGMTSHAAVVARGMGKCCVSGCGDMVIRGKSFKLNGSVFREGDYITIDGSKGLI YAGKLKLRSPDLKGSFQTILQWCQEMKRLGVRTNADTPADAAKARSFGAEGVGLCRTEHMFFEGSRI NFIREMILADSASGRKAALDKLLPIQRADFVGILRAMRGLPVTIRLLDPPLHEFVPHDAAAQFELAQKL

GMPAEKVRNRVNALHELNPMLGHRGCRLGITYPEIYNMQVRAIIEAAIAVSEEGSSVIPEIMVPLVGKK EELSLIREEVVKTAEAVITKSGKRVHYTVGTMIEVPRAAVTADSIAQKADFFSFGTNDLTQMGCGFSRD DAGPFLRHYGNLGIYAQDPFQSIDQEGIGELVRIAVTKGRRVKPMLKMGICGEHGGDPATIGFCHKV



>DM\_train45 MVIASVEDGGDGDTSKDDWLWYKQPASQTDATATAGGNYGNPDNNRWQQTTLPFGNGKIGGTV WGEVSRERVTFNEETLWTGGPGSSTSYNGGNNETKGQNGATLRALNKQLANGAETVNPGNLTGGE NAAEQGNYLNWGDIYLDYGFNDTTVTEYRRDLNLSKGKADVTFKHDGVTYTREYFASNPDNVMVA RLTASKAGKLNFNVSMPTNTNYSKTGETTTVKGDTLTVKGALGNNGLLYNSQIKVVLDNGEGTLSEG SDGASLKVSDAKAVTLYIAAATDYKQKYPSYRTGETAAEVNTRVAKVVQDAANKGYTAVKKAHIDDH SAIYDRVKIDLGQSGHSSDGAVATDALLKAYQRGSATTAQKRELETLVYKYGRYLTIGSSRENSQLPSN LQGIWSVTAGDNAHGNTPWGSDFHMNVNLQMNYWPTYSANMGELAEPLIEYVEGLVKPGRVTAK VYAGAETTNPETTPIGEGEGYMAHTENTAYGWTAPGQSFSWGWSPAAVPWILQNVYEAYEYSGDP ALLDRVYALLKEESHFYVNYMLHKAGSSSGDRLTTGVAYSPEQGPLGTDGNTYESSLVWQMLNDAIE AAKAKGDPDGLVGNTTDCSADNWAKNDSGNFTDANANRSWSCAKSLLKPIEVGDSGQIKEWYFEG ALGKKKDGSTISGYQADNQHRHMSHLLGLFPGDLITIDNSEYMDAAKTSLRYRCFKGNVLQSNTGW AIGQRINSWARTGDGNTTYQLVELQLKNAMYANLFDYHAPFQIDGNFGNTSGVDEMLLQSNSTFT DTAGKKYVNYTNILPALPDAWAGGSVSGLVARGNFTVGTTWKNGKATEVRLTSNKGKQAAVKITAG GAQNYEVKNGDTAVNAKVVTNADGASLLVFDTTAGTTYTITKKAS 111111111000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000001110000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000111100000000000000000000000000000011

>DM\_train47 MTQQPQAKYRHDYRAPDYQITDIDLTFDLDAQKTVVTAVSQAVRHGASDAPLRLNGEDLKLVSVHI NDEPWTAWKEEEGALVISNLPERFTLKIINEISPAANTALEGLYQSGDALCTQCEAEGFRHITYYLDRPD VLARFTTKIIADKIKYPFLLSNGNRVAQGELENGRHWVQWQDPFPKPCYLFALVAGDFDVLRDTFTTR SGREVALELYVDRGNLDRAPWAMTSLKNSMKWDEERFGLEYDLDIYMIVAVDFFNMGAMENKGLN IFNSKYVLARTDTATDKDYLDIERVIGHEYFHNWTGNRVTCRDWFQLSLKEGLTVFRDQEFSSDLGSR AVNRINNVRTMRGLQFAEDASPMAHPIRPDMVIEMNNFYTLTVYEKGAEVIRMIHTLLGEENFQKG MQLYFERHDGSAATCDDFVQAMEDASNVDLSHFRRWYSQSGTPIVTVKDDYNPETEQYTLTISQRT PATPDQAEKQPLHIPFAIELYDNEGKVIPLQKGGHPVNSVLNVTQAEQTFVFDNVYFQPVPALLCEFS APVKLEYKWSDQQLTFLMRHARNDFSRWDAAQSLLATYIKLNVARHQQGQPLSLPVHVADAFRAV LLDEKIDPALAAEILTLPSVNEMAELFDIIDPIAIAEVREALTRTLATELADELLAIYNANYQSEYRVEHEDI AKRTLRNACLRFLAFGETHLADVLVSKQFHEANNMTDALAALSAAVAAQLPCRDALMQEYDDKWH QNGLVMDKWFILQATSPAANVLETVRGLLQHRSFTMSNPNRIRSLIGAFAGSNPAAFHAEDGSGYLF LVEMLTDLNSRNPQVASRLIEPLIRLKRYDAKRQEKMRAALEQLKGLENLSGDLYEKITKALA 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000

>DM\_train48 SAECPVVNELERINCIPDQPPTKATCDQRGCCWNPQGAVSVPWCYYSKNHSYHVEGNLVNTNAGF TARLKNLPSSPVFGSNVDNVLLTAEYQTSNRFHFKLTDQTNNRFEVPHEHVQSFSGNAAASLTYQVEI SRQPFSIKVTRRSNNRVLFDSSIGPLLFADQFLQLSTRLPSTNVYGLGEHVHQQYRHDMNWKTWPIF NRDTTPNGNGTNLYGAQTFFLCLEDASGLSFGVFLMNSNAMEVVLQPAPAITYRTIGGILDFYVFLGN TPEQVVQEYLELIGRPALPSYWALGFHLSRYEYGTLDNMREVVERNRAAQLPYDVQHADIDYMDER RDFTYDSVDFKGFPEFVNELHNNGQKLVIIVDPAISNNSSSSKPYGPYDRGSDMKIWVNSSDGVTPLI GEVWPGQTVFPDYTNPNCAVWWTKEFELFHNQVEFDGIWIDMNEVSNFVDGSVSGCSTNNLNNP PFTPRILDGYLFCKTLCMDAVQHWGKQYDIHNLYGYSMAVATAEAAKTVFPNKRSFILTRSTFAGSGK FAAHWLGDNTATWDDLRWSIPGVLEFNLFGIPMVGPDICGFALDTPEELCRRWMQLGAFYPFSRNH NGQGYKDQDPASFGADSLLLNSSRHYLNIRYTLLPYLYTLFFRAHSRGDTVARPLLHEFYEDNSTWDV HQQFLWGPGLLITPVLDEGAEKVMAYVPDAVWYDYETGSQVRWRKQKVEMELPGDKIGLHLRGGYI FPTQQPNTTTLASRKNPLGLIIALDENKEAKGELFWDDGETKDTVANKVYLLCEFSVTQNRLEVNISQS TYKDPNNLAFNEIKILGTEEPSNVTVKHNGVPSQTSPTVTYDSNLKVAIITDIDLLLGEAYTVEW 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train50 MAKPLTDQEKRRQISIRGIVGVENVAELKKSFNRHLHFTLVKDRNVATTRDYYFALAHTVRDHLVGR WIRTQQHYYDKCPKRVYYLSLEFYMGRTLQNTMINLGLQNACDEAIYQLGLDIEELEEIEEDAGLGNG GLGRLAACFLDSMATLGLAAYGYGIRYEYGIFNQKIRDGWQVEEADDWLRYGNPWEKSRPEFMLPV HFYGKVEHTNTGTKWIDTQVVLALPYDTPVPGYMNNTVNTMRLWSARAPNDFNLRDFNVGDYIQ AVLDRNLAENISRVLYPNDNFFEGKELRLKQEYFVVAATLQDIIRRFKASKFGSTRGAGTVFDAFPDQV AIQLNDTHPALAIPELMRIFVDIEKLPWSKAWELTQKTFAYTNHTVLPEALERWPVDLVEKLLPRHLEIIY EINQKHLDRIVALFPKDVDRLRRMSLIEEEGSKRINMAHLCIVGSHAVNGVAKIHSDIVKTKVFKDFSEL EPDKFQNKTNGITPRRWLLLCNPGLAELIAEKIGEDYVKDLSQLTKLHSFLGDDVFLRELAKVKQENKL KFSQFLETEYKVKINPSSMFDVQVKRIHEYKRQLLNCLHVITMYNRIKKDPKKLFVPRTVIIGGKAAPGY HMAKMIIKLITSVADVVNNDPMVGSKLKVIFLENYRVSLAEKVIPATDLSEQISTAGTEASGTGNMKFM LNGALTIGTMDGANVEMAEEAGEENLFIFGMRIDDVAALDKKGYEAKEYYEALPELKLVIDQIDNGFFS PKQPDLFKDIINMLFYHDRFKVFADYEAYVKCQDKVSQLYMNPKAWNTMVLKNIAASGKFSSDRTIK EYAQNIWNVEPSDLKISLSNESNKVNGN 111111111111111111111110000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000011111111110000000000000000000000000000000000000000 000000000000001111111111110000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000001111111111111111

>DM\_train51 MFSAGHKIKGTVVLMPKNELEVNPDGSAVDNLNAFLGRSVSLQLISATKADAHGKGKVGKDTFLEGI NTSLPTLGAGESAFNIHFEWDGSMGIPGAFYIKNYMQVEFFLKSLTLEAISNQGTIRFVCNSWVYNTKL YKSVRIFFANHTYVPSETPAPLVSYREEELKSLRGNGTGERKEYDRIYDYDVYNDLGNPDKSEKLARPVL GGSSTFPYPRRGRTGRGPTVTDPNTEKQGEVFYVPRDENLGHLKSKDALEIGTKSLSQIVQPAFESAFD LKSTPIEFHSFQDVHDLYEGGIKLPRDVISTIIPLPVIKELYRTDGQHILKFPQPHVVQVSQSAWMTDEEF AREMIAGVNPCVIRGLEEFPPKSNLDPAIYGDQSSKITADSLDLDGYTMDEALGSRRLFMLDYHDIFM PYVRQINQLNSAKTYATRTILFLREDGTLKPVAIELSLPHSAGDLSAAVSQVVLPAKEGVESTIWLLAKA YVIVNDSCYHQLMSHWLNTHAAMEPFVIATHRHLSVLHPIYKLLTPHYRNNMNINALARQSLINAN GIIETTFLPSKYSVEMSSAVYKNWVFTDQALPADLIKRGVAIKDPSTPHGVRLLIEDYPYAADGLEIWAA

IKTWVQEYVPLYYARDDDVKNDSELQHWWKEAVEKGHGDLKDKPWWPKLQTLEDLVEVCLIIIWIA SALHAAVNFGNYPYGGLIMNRPTASRRLLPEKGTPEYEEMINNHEKAYLRTITSKLPTLISLSVIEILSTHA SDEVYLGQRDNPHWTSDSKALQAFQKFGNKLKEIEEKLVRRNNDPSLQGNRLGPVQLPYTLLYPSSE EGLTFRGIPNSISI

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>DM\_train52 GCPNDRITLPPANAQRTNMTCHFCIVGCGYHVYKWPELEEGGRAPEQNALGLDFRKQLPPLASTLTP AMTNVVTEHDGARYDIMVVPDKACVVNSGLSSTRGGKMASYMYTPTGDGKERLSAPRLYAADEWV DTTWDHAMALYAGLIKKTLDSDGPQGVFFSCFDHGGAGGGFENTWGTGKLMFSAIQTPMVRIHNR PAYNSECHATREMGIGELNNAYEDAQLADVIWSIGNNPYESQTNYFLNHWLPNLQGATTSKKKERF PNENFPQARIIFVDPRETPSVAIARHVAGNDRVLHLAIEPGTDTALFNGLFTYVVEQGWIDKPFIEAHT KGFDDAVKTNRLSLDECSNITGVPVDMLKRAAEWSYKPKASGQAPRTMHAYEKGIIWGNDNYVIQS ALLDLVIATHNVGRRGTGCVRMGGHQEGYTRPPYPGDKKIYIDQELIKGKGRIMTWWGCNNFQTSN NAQALREAILQRSAIVKQAMQKARGATTEEMVDVIYEATQNGGLFVTSINLYPTKLAEAAHLMLPAA HPGEMNLTSMNGERRIRLSEKFMDPPGTAMADCLIAARIANALRDMYQKDGKAEMAAQFEGFDW KTEEDAFNDGFRRAGQPGAPAIDSQGGSTGHLVTYDRLRKSGNNGVQLPVVSWDESKGLVGTEML YTEGKFDTDDGKAHFKPAPWNGLPATVQQQKDKYRFWLNNGRNNEVWQTAYHDQYNSLMQER YPMAYIEMNPDDCKQLDVTGGDIVEVYNDFGSTFAMVYPVAEIKRGQTFMLFGYVNGIQGDVTTD WTDRDIIPYYKGTWGDIRKVGSMSEFKRTVSFKSRRFG 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train54 SEHPQPVTTQIEKSVNTALNKNYVFNKADYQYTLTNPSLGKIVGGILYPNATGSTTVKISDKSGKIIKEV PLSVTASTEDNFTKLLDKWNDVTIGNYVYDTNDSNMQKLNQKLDETNAKNIEAIKLDSNRTFLWKDL

DNLNNSAQLTATYRRLEDLAKQITNPHSTIYKNEKAIRTVKESLAWLHQNFYNVNKDIEGSANWWDF EIGVPRSITGTLSLMNNYFTDAEIKTYTDPIEHFVPDAEYFRKTLVNPFKALGGNLVDMGRVKIIEGLLRK DNTIIEKTSHSLKNLFTTATKAEGFYADGSYIDHTNVAYTGAYGNVLIDGLTQLLPIIQETDYKISNQELD MVYKWINQSFLPLIVKGELMDMSRGRSISREAASSHAAAVEVLRGFLRLANMSNEERNLDLKSTIKTIIT SNKFYNVFNNLKSYSDIANMNKLLNDSTVATKPLKSNLSTFNSMDRLAYYNAKKDFGFALSLHSKRTL NYEGMNDENTRGWYTGDGMFYIYNSDQSHYSNHFWPTVNPYKMAGTTEKDAKREDTTKEFMSKH SKDAKEKTGQVTGTSDFVGSVKLNDHFALAAMDFTNWDRTLTAQKGWVILNDKIVFLGSNIKNTNGI GNVSTTIDQRKDDSKTPYTTYVNGKTIDLKQASSQQFTDTKSVFLESKEPGRNIGYIFFKNSTIDIERKEQ TGTWNSINRTSKNTSIVSNPFITISQKHDNKGDSYGYMMVPNIDRTSFDKLANSKEVELLENSSKQQV IYDKNSQTWAVIKHDNQESLINNQFKMNKAGLYLVQKVGNDYQNVYYQPQTMTKTDQLAI

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>DM\_train56 MKYGYFDNDNREYVITRPDVPAPWTNYLGTEKFCTVISHNAGGYSFYNSPEYNRVTKFRPNATFDRP GHYVYLRDDDSGDYWSISWQPVAKSLDEAQYQIRHGLSYSKFQCDYNGIHARKTLFVPKGEDAEIW DVVIKNTSDQVRTISAFSFVEFSFSHIQSDNQNHQMSLYSAGTAYRPGLIEYDLYYNTDDFEGFYYLAS TFDPDSYDGQRDRFLGLYRDEANPLAVEQGRCSNSAQTCYNHCGSLHKQFTLQPGEEIRFAYILGIGK GNGERLREHYQDVANIDAAFAAIKAHWDERCAKFQVKSPNQGLDTMINAWTLYQAETCVVWSRFA SFIEVGGRTGLGYRDTAQDAISVPHANPEMTRKRIVDLLRGQVKAGYGLHLFDPDWFDPEKEDVAPS KSPTVVPTPSDEDKIHGIKDTCSDDHLWLIPTICKYVMETGETSFFDQMIPYADGGEASVYEHMKAAL DFSAEYVGQTGICKGLRADWNDCLNLGGGESSMVSFLHFWALQEFIDLAKFLGKDQDVNTYTEMAA NVREACETHLWDDEGGWYIRGLTKNGDKIGTAQQQEGRVHLESNTLAVLSGLASQERGEQAMDAV DEHLFSPYGLHLNAPSFSTPNDDIGFVTRVYQGVKENGAIFSHPNPWAWVAETKLGRGDRAMKFYD ALNPYNQNDIIEKRIAEPYSYVQFIMGRDHQDHGRANHPWLTGTSGWAYFAVTNYILGVQSGFTGL SVDPCIPSDWPGFEVTRQWRGATYHIQVENPDHVSKGVKSITLNGAPIQGRIPPQAQGSDNQVVVV

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>DM\_train58 MRVPFSWLKAYVPELESPEVLEERLAGLGFETDRIERVFPIPRGVVFARVLEAHPIPGTRLKRLVLDAGRT VEVVSGAENARKGIGVALALPGTELPGLGQKVGERVIQGVRSFGMALSPRELGVGEYGGGLLEFPEDA LPPGTPLSEAWPEEVVLDLEVTPNRPDALGLLGLARDLHALGYALVEPEAALKAEALPLPFALKVEDPE GAPHFTLGYAFGLRVAPSPLWMQRALFAAGMRPINNVVDVTNYVMLERAQPMHAFDLRFVGEGIA VRRAREGERLKTLDGVERTLHPEDLVIAGWRGEESFPLGLAGVMGGAESEVREDTEAIALEVACFDPV SIRKTARRHGLRTEASHRFERGVDPLGQVPAQRRALSLLQALAGARVAEALLEAGSPKPPEAIPFRPEY ANRLLGTSYPEAEQIAILKRLGCRVEGEGPTYRVTPPSHRLDLRLEEDLVEEVARIQGYETIPLALPAFFPA PDNRGVEAPYRKEQRLREVLSGLGFQEVYTYSFMDPEDARRFRLDPPRLLLLNPLAPEKAALRTHLFPG LVRVLKENLDLDRPERALLFEVGRVFREREETHLAGLLFGEGVGLPWAKERLSGYFLLKGYLEALFARLG LAFRVEAQAFPFLHPGVSGRVLVEGEEVGFLGALHPEIAQELELPPVHLFELRLPLPDKPLAFQDPSRHP AAFRDLAVVVPAPTPYGEVEALVREAAGPYLESLALFDLYQGPPLPEGHKSLAFHLRFRHPKRTLRDEE VEEAVSRVAEALRARGFGLRGLDTP 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000001111111111

>DM\_train59 MRFKNVKKTALMLAMFGMATSSNAALFDYNATGDTEFDSPAKQGWMQDNTNNGSGVLTNADG MPAWLVQGIGGRAQWTYSLSTNQHAQASSFGWRMTTEMKVLSGGMITNYYANGTQRVLPIISLDS SGNLVVEFEGQTGRTVLATGTAATEYHKFELVFLPGSNPSASFYFDGKLIRDNIQPTASKQNMIVWGN GSSNTDGVAAYRDIKFEIQGDVIFRGPDRIPSIVASSVTPGVVTAFAEKRVGGGDPGALSNTNDIITRTS RDGGITWDTELNLTEQINVSDEFDFSDPRPIYDPSSNTVLVSYARWPTDAAQNGDRIKPWMPNGIFY SVYDVASGNWQAPIDVTDQVKERSFQIAGWGGSELYRRNTSLNSQQDWQSNAKIRIVDGAANQIQ VADGSRKYVVTLSIDESGGLVANLNGVSAPIILQSEHAKVHSFHDYELQYSALNHTTTLFVDGQQITT WAGEVSQENNIQFGNADAQIDGRLHVQKIVLTQQGHNLVEFDAFYLAQQTPEVEKDLEKLGWTKIK TGNTMSLYGNASVNPGPGHGITLTRQQNISGSQNGRLIYPAIVLDRFFLNVMSIYSDDGGSNWQTG STLPIPFRWKSSSILETLEPSEADMVELQNGDLLLTARLDFNQIVNGVNYSPRQQFLSKDGGITWSLLE ANNANVFSNISTGTVDASITRFEQSDGSHFLLFTNPQGNPAGTNGRQNLGLWFSFDEGVTWKGPIQ LVNGASAYSDIYQLDSENAIVIVETDNSNMRILRMPITLLKQKLTLSQN 111111111111111111111111000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train60 AGGHGDVGMHVKEKEKNKDENKRKDEERNKTQEEHLKEIMKHIVKIEVKGEEAVKKEAAEKLLEKVPS DVLEMYKAIGGKIYIVDGDITKHISLEALSEDKKKIKDIYGKDALLHEHYVYAKEGYEPVLVIQSSEDYVE NTEKALNVYYEIGKILSRDILSKINQPYQKFLDVLNTIKNASDSDGQDLLFTNQLKEHPTDFSVEFLEQN SNEVQEVFAKAFAYYIEPQHRDVLQLYAPEAFNYMDKFNEQEINLSLEELKDQRMLSRYEKWEKIKQH YQHWSDSLSEEGRGLLKKLQIPIEPKKDDIIHSLSQEEKELLKRIQIDSSDFLSTEEKEFLKKLQIDIRDSLSE EEKELLNRIQVDSSNPLSEKEKEFLKKLKLDIQPYDINQRLQDTGGLIDSPSINLDVRKQYKRDIQNIDAL LHQSIGSTLYNKIYLYENMNINNLTATLGADLVDSTDNTKINRGIFNEFKKNFKYSISSNYMIVDINERP ALDNERLKWRIQLSPDTRAGYLENGKLILQRNIGLEIKDVQIIKQSEKEYIRIDAKVVPKSKIDTKIQEAQL NINQEWNKALGLPKYTKLITFNVHNRYASNIVESAYLILNEWKNNIQSDLIKKVTNYLVDGNGRFVFT DITLPNIAEQYTHQDEIYEQVHSKGLYVPESRSILLHGPSKGVELRNDSEGFIHEFGHAVDDYAGYLLDK NQSDLVTNSKKFIDIFKEEGSNLTSYGRTNEAEFFAEAFRLMHSTDHAERLKVQKNAPKTFQFINDQIK FIINS 111111111111111111111111110000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000111111111111111111111100000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000111

>DM\_train61 MNQNLLVTKRDGSTERINLDKIHRVLDWAAEGLHNVSISQVELRSHIQFYDGIKTSDIHETIIKAAADLI SRDAPDYQYLAARLAIFHLRKKAYGQFEPPALYDHVVKMVEMGKYDNHLLEDYTEEEFKQMDTFIDH DRDMTFSYAAVKQLEGKYLVQNRVTGEIYESAQFLYILVAACLFSNYPRETRLQYVKRFYDAVSTFKISL PTPIMSGVRTPTRQFSSCVLIECGDSLDSINATSSAIVKYVSQRAGIGINAGRIRALGSPIRGGEAFHTGC IPFYKHFQTAVKSCSQGGVRGGAATLFYPMWHLEVESLLVLKNNRGVEGNRVRHMDYGVQINKLM YTRLLKGEDITLFSPSDVPGLYDAFFADQEEFERLYTKYEKDDSIRKQRVKAVELFSLMMQERASTGRIYI QNVDHCNTHSPFDPAIAPVRQSNLCLEIALPTKPLNDVNDENGEIALCTLSAFNLGAINNLDELEELAI LAVRALDALLDYQDYPIPAAKRGAMGRRTLGIGVINFAYYLAKHGKRYSDGSANNLTHKTFEAIQYYL LKASNELAKEQGACPWFNETTYAKGILPIDTYKKDLDTIANEPLHYDWEALRESIKTHGLRNSTLSALM PSETSSQISNATNGIEPPRGYVSIKASKDGILRQVVPDYEHLHDAYELLWEMPGNDGYLQLVGIMQKFI DQSISANTNYDPSRFPSGKVPMQQLLKDLLTAYKFGVKTLYYQNTRDGAEDAQDDLVPSIQDDGCE SGACKI 111100000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train62 ANADNYKNVINRTGAPQYMKDYDYDDHQRFNPFFDLGAWHGHLLPDGPNTMGGFPGVALLTEEY INFMASNFDRLTVWQDGKKVDFTLEAYSIPGALVQKLTAKDVQVEMTLRFATPRTSLLETKITSNKPLD LVWDGELLEKLEAKEGKPLSDKTIAGEYPDYQRKISATRDGLKVTFGKVRATWDLLTSGESEYQVHKSL PVQTEINGNRFTSKAHINGSTTLYTTYSHLLTAQEVSKEQMQIRDILARPAFYLTASQQRWEEYLKKGL TNPDATPEQTRVAVKAIETLNGNWRSPGGAVKFNTVTPSVTGRWFSGNQTWPWDTWKQAFAMA HFNPDIAKENIRAVFSWQIQPGDSVRPQDVGFVPDLIAWNLSPERGGDGGNWNERNTKPSLAAWS VMEVYNVTQDKTWVAEMYPKLVAYHDWWLRNRDHNGNGVPEYGATRDKAHNTESGEMLFTVKK GDKEETQSGLNNYARVVEKGQYDSLEIPAQVAASWESGRDDAAVFGFIDKEQLDKYVANGGKRSD WTVKFAENRSQDGTLLGYSLLQESVDQASYMYSDNHYLAEMATILGKPEEAKRYRQLAQQLADYIN TCMFDPTTQFYYDVRIEDKPLANGCAGKPIVERGKGPEGWSPLFNGAATQANADAVVKVMLDPKEF NTFVPLGTAALTNPAFGADIYWRGRVWVDQFWFGLKGMERYGYRDDALKLADTFFRHAKGLTADG PIQENYNPLTGAQQGAPNFSWSAAHLYMLYNDFFRKQ 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000001

>DM\_train63 MLNQELELSLNMAFARAREHRHEFMTVEHLLLALLSNPSAREALEACSVDLVALRQELEAFIEQTTPVL PASEEERDTQPTLSFQRVLQRAVFHVQSSGRNEVTGANVLVAIFSEQESQAAYLLRKHEVSRLDVVNF ISHGTRKDEPTQSSDPGSQPNSEEQAGGEERLENFTTNLNQLARVGGIDPLIGREKELERAIQVLCRRR KNNPLLVGESGVGKTAIAEGLAWRIVQGDVPEVMADCTIYSLDIGSLLAGTKYRGDFEKRFKALLKQLE QDTNSILFIDEIHTIIGAGAASGGQVDAANLIKPLLSSGKIRVIGSTTYQEFSNIFEKDRALARRFQKIDITE PSIEETVQIINGLKPKYEAHHDVRYTAKAVRAAVELAVKYINDRHLPDKAIDVIDEAGARARLMPVSKR KKTVNVADIESVVARIARIPEKSVSQSDRDTLKNLGDRLKMLVFGQDKAIEALTEAIKMARAGLGHEHK PVGSFLFAGPTGVGKTEVTVQLSKALGIELLRFDMSEYMERHTVSRLIGAPPGYVGFDQGGLLTDAVIK HPHAVLLLDEIEKAHPDVFNILLQVMDNGTLTDNNGRKADFRNVVLVMTTNAGVRETERKSIGLIHQ



>DM\_train66 KDWTQYVNPLMGSQSTFELSTGNTYPAIARPWGMNFWTPQTGKMGDGWQYTYTANKIRGFKQT HQPSPWINDYGQFSIMPIVGQPVFDEEKRASWFAHKGEVATPYYYKVYLAEHDIVTEMTPTERAVLFR FTFPENDHSYVVVDAFDKGSYIKIIPEENKIIGYTTRNSGGVPENFKNYFIIEFDKPFTYKATVENGNLQE NVAEQTTDHAGAIIGFKTRKGEQVNARIASSFISFEQAAANMNELGKDNIEQLAQKGKDAWNQVLG KIEVEGGNLDQYRTFYSCLYRSLLFPRKFYELDANGQPIHYSPYNGQVLPGYMFTDTGFWDTFRCLFPL LNLMYPSVNKEMQEGLINTYLESGFFPEWASPGHRGCMVGNNSASILVDAYMKGVKVDDIKTLYEG LIHGTENVHPEVSSTGRLGYEYYNKLGYVPYDVKINENAARTLEYAYDDWCIYRLAKELKRPKKEISLFA KRAMNYKNLFDKESKLMRGRNEDGTFQSPFSPLKWGDAFTEGNSWHYTWSVFHDPQGLIDLMGG KEMFVTMMDSVFAVPPIFDDSYYGQVIHEIREMTVMNMGNYAHGNQPIQHMIYLYDYAGQPWKA QYWLRQVMDRMYTPGPDGYCGDEDNGQTSAWYVFSALGFYPVCPGTDEYVMGTPLFKKATLHFE NGNSLVIDAPNNSTENFYIDSMSFNGADHTKNYLRHEDLFKGGTIKVDMSNRPNLNRGTKEEDMPY SFSKELEHHHHHH 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000011111111 >DM\_train67 MTDRVSVGNLRIARVLYDFVNNEALPGTDIDPDSFWAGVDKVVADLTPQNQALLNARDELQAQID KWHRRRVIEPIDMDAYRQFLTEIGYLLPEPDDFTITTSGVDAEITTTAGPQLVVPVLNARFALNAANAR WGSLYDALYGTDVIPETDGAEKGPTYNKVRGDKVIAYARKFLDDSVPLSSGSFGDATGFTVQDGQLV VALPDKSTGLANPGQFAGYTGAAESPTSVLLINHGLHIEILIDPESQVGTTDRAGVKDVILESAITTIMDF EDSVAAVDAADKVLGYRNWLGLNKGDLAAAVDKDGTAFLRVLNRDRNYTAPGGGQFTLPGRSLMF VRNVGHLMTNDAIVDTDGSEVFEGIMDALFTGLIAIHGLKASDVNGPLINSRTGSIYIVKPKMHGPAE

VAFTCELFSRVEDVLGLPQNTMKIGIMDEERRTTVNLKACIKAAADRVVFINTGFLDRTGDEIHTSMEA GPMVRKGTMKSQPWILAYEDHNVDAGLAAGFSGRAQVGKGMWTMTELMADMVETKIAQPRAGA STAWVPSPTAATLHALHYHQVDVAAVQQGLAGKRRATIEQLLTIPLAKELAWAPDEIREEVDNNCQS ILGYVVRWVDQGVGCSKVPDIHDVALMEDRATLRISSQLLANWLRHGVITSADVRASLERMAPLVDR QNAGDVAYRPMAPNFDDSIAFLAAQELILSGAQQPNGYTEPILHRRRREFKARAAEKPAPSDRAGDD AAR

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>DM\_train68 MSEEISLSAEFIDRVKASVKPHWGKLGWVTYKRTYARWLPEKGRSENWDETVKRVVEGNINLDPRLQ DSPSLELKQSLTEEAERLYKLIYGLGATPSGRNLWISGTDYQRRTGDSLNNCWFVAIRPQKYGDSKIVP SYLGKQEKAVSMPFSFLFDELMKGGGVGFSVARSNISQIPRVDFAIDLQLVVDETSESYDASVKVGAV GKNELVQDADSIYYRLPDTREGWVLANALLIDLHFAQTNPDRKQKLILDLSDIRPYGAEIHGFGGTAS GPMPLISMLLDVNEVLNNKAGGRLTAVDAADICNLIGKAVVAGNVRRSAELALGSNDDQDFISMKQ DQEKLMHHRWASNNSVAVDSAFSGYQPIAAGIRENGEPGIVNLDLSKNYGRIVDGYQAGIDGDVEG TNPCGEISLANGEPCNLFEVFPLIAEEQGWDLQEVFALAARYAKRVTFSPYDWEISREIIQKNRRIGISM SGIQDWLLTRLGNRVVTGFKDDFDPETHEAIKVPVYDKRAIKMVDQLYKAVVKADQDYSKTLGCNES IKHTTVKPSGTVAKLAGASEGMHFHYGAYLIQRIRFQDSDPLLPALKACGYRTEADIYTENTTCVEFPIK AVGADNPNFASAGTVSIAEQFATQAFLQTYWSDNAVSCTITFQDSEGDQVESLLRQYRFITKSTSLLP YFGGSLQQAPKEPIDKETYEKRSQEITGNVEEVFSQLNSDVKDLELVDQTDCEGGACPIK 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000011110000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000111111111111111

>DM\_train69 EVKQENRLLNESESSSQGLLGYYFSDLNFQAPMVVTSSTTGDLSIPSSELENIPSENQYFQSAIWSGFIK VKKSDEYTFATSADNHVTMWVDDQEVINKASNSNKIRLEKGRLYQIKIQYQRENPTEKGLDFKLYWT DSQNKKEVISSDNLQLPELKQKSSNSRKKRSTSAGPTVPDRDNDGIPDSLEVEGYTVDVKNKRTFLSP WISNIHEKKGLTKYKSSPEKWSTASDPYSDFEKVTGRIDKNVSPEARHPLVAAYPIVHVDMENIILSKNE DQSTQNTDSETRTISKNTSTSRTHTSEVHGNAEVHASFFDIGGSVSAGFSNSNSSTVAIDHSLSLAGER

TWAETMGLNTADTARLNANIRYVNTGTAPIYNVLPTTSLVLGKNQTLATIKAKENQLSQILAPNNYYP SKNLAPIALNAQDDFSSTPITMNYNQFLELEKTKQLRLDTDQVYGNIATYNFENGRVRVDTGSNWSE VLPQIQETTARIIFNGKDLNLVERRIAAVNPSDPLETTKPDMTLKEALKIAFGFNEPNGNLQYQGKDITE FDFNFDQQTSQNIKNQLAELNATNIYTVLDKIKLNAKMNILIRDKRFHYDRNNIAVGADESVVKEAHR EVINSSTEGLLLNIDKDIRKILSGYIVEIEDTEGLKEVINDRYDMLNISSLRQDGKTFIDFKKYNDKLPLYIS



>DM\_train73 MAPSLDSISHSFANGVASAKQAVNGASTNLAVAGSHLPTTQVTQVDIVEKMLAAPTDSTLELDGYSL NLGDVVSAARKGRPVRVKDSDEIRSKIDKSVEFLRSQLSMSVYGVTTGFGGSADTRTEDAISLQKALLE HQLCGVLPSSFDSFRLGRGLENSLPLEVVRGAMTIRVNSLTRGHSAVRLVVLEALTNFLNHGITPIVPLR GTISASGDLSPLSYIAAAISGHPDSKVHVVHEGKEKILYAREAMALFNLEPVVLGPKEGLGLVNGTAVS ASMATLALHDAHMLSLLSQSLTAMTVEAMVGHAGSFHPFLHDVTRPHPTQIEVAGNIRKLLEGSRFA VHHEEEVKVKDDEGILRQDRYPLRTSPQWLGPLVSDLIHAHAVLTIEAGQSTTDNPLIDVENKTSHHG GNFQAAAVANTMEKTRLGLAQIGKLNFTQLTEMLNAGMNRGLPSCLAAEDPSLSYHCKGLDIAAAA YTSELGHLANPVTTHVQPAEMANQAVNSLALISARRTTESNDVLSLLLATHLYCVLQAIDLRAIEFEFK KQFGPAIVSLIDQHFGSAMTGSNLRDELVEKVNKTLAKRLEQTNSYDLVPRWHDAFSFAAGTVVEVL SSTSLSLAAVNAWKVAAAESAISLTRQVRETFWSAASTSSPALSYLSPRTQILYAFVREELGVKARRGD VFLGKQEVTIGSNVSKIYEAIKSGRINNVLLKMLA 111111111111111111111111100000001111110000000000000000000000000000000000000 000000000000000000000000000011111111111111111111000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000011110000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000

>DM\_train74 QNVSLQPPPQQLIVQNKTIDLPAVYQLNGGEEANPHAVKVLKELLSGKQSSKKGMLISIGEKGDKSVR KYSRQIPDHKEGYYLSVNEKEIVLAGNDERGTYYALQTFAQLLKDGKLPEVEIKDYPSVRYRGVVEGFY GTPWSHQARLSQLKFYGKNKMNTYIYGPKDDPYHSAPNWRLPYPDKEAAQLQELVAVANENEVDF VWAIHPGQDIKWNKEDRDLLLAKFEKMYQLGVRSFAVFFDDISGEGTNPQKQAELLNYIDEKFAQVK PDINQLVMCPTEYNKSWSNPNGNYLTTLGDKLNPSIQIMWTGDRVISDITRDGISWINERIKRPAYIW

WNFPVSDYVRDHLLLGPVYGNDTTIAKEMSGFVTNPMEHAESSKIAIYSVASYAWNPAKYDTWQTW KDAIRTILPSAAEELECFAMHNSDLGPNGHGYRREESMDIQPAAERFLKAFKEGKNYDKADFETLQYT FERMKESADILLMNTENKPLIVEITPWVHQFKLTAEMGEEVLKMVEGRNESYFLRKYNHVKALQQQM FYIDQTSNQNPYQPGVKTATRVIKPLIDRTFATVVKFFNQKFNAHLDATTDYMPHKMISNVEQIKNLP LQVKANRVLISPANEVVKWAAGNSVEIELDAIYPGENIQINFGKDAPCTWGRLEISTDAKEWKTVDLK QKESRLSAGLQKAPVKFVRFTNVSDEEQQVYLRQFVLTIEKK 111100000000000000000000000000000000000000000111111110000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000011111 111000000000000000111111111111000000000000000000111111111111111111111111111 11100000000000000001111111111111100000001

>DM\_train75 GVTVIPRLLGLKDEKKIATTVGEARLSGINYRHPDSALVSYPVAAAAPLGRLPAGNYRIAIVGGGAGGIA ALYELGRLAATLPAGSGIDVQIYEADPDSFLHDRPGIKAIKVRGLKAGRVSAALVHNGDPASGDTIYEV GAMRFPEIAGLTWHYASAAFGDAAPIKVFPNPGKVPTEFVFGNRVDRYVGSDPKDWEDPDSPTLKVL GVVAGGLVGNPQGENVAMYPIANVDPAKIAAILNAATPPADALERIQTKYWPEFIAQYDGLTLGAAV REIVTVAFEKGTLPPVDGVLDVDESISYYVELFGRFGFGTGGFKPLYNISLVEMMRLILWDYSNEYTLPV TENVEFIRNLFLKAQNVGAGKLVVQVRQERVANACHSGTASARAQLLSYDSHNAVHSEAYDFVILAV PHDQLTPIVSRSGFEHAASQNLGDAGLGLETHTYNQVYPPLLLSDSSPAANARIVTAIGQLHMARSSK VFATVKTAALDQPWVPQWRGEPIKAVVSDSGLAASYVVPSPIVEDGQAPEYSSLLASYTWEDDSTRL RHDFGLYPQNPATETGTADGMYRTMVNRAYRYVKYAGASNAQPWWFYQLLAEARTADRFVFDWT TNKTAGGFKLDMTGDHHQSNLCFRYHTHALAASLDNRFFIASDSYSHLGGWLEGAFMSALNAVAG LIVRANRGDVSALSTEARPLVIGLRPVVKVPAAELATSQ 111111111111111000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000001111000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000001111 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000111111

>DM\_train77 MKKLFVTCIVFFSILSPALLIAQQTGTAELIMKRVMLDLKKPLRNMDKVAEKNLNTLQPDGSWKDVPY KDDAMTNWLPNNHLLQLETIIQAYIEKDSHYYGDDKVFDQISKAFKYWYDSDPKSRNWWHNEIATP QALGEMLILMRYGKKPLDEALVHKLTERMKRGEPEKKTGANKTDIALHYFYRALLTSDEALLSFAVKELF YPVQFVHYEEGLQYDYSYLQHGPQLQISSYGAVFITGVLKLANYVRDTPYALSTEKLAIFSKYYRDSYLK AIRGSYMDFNVEGRGVSRPDILNKKAEKKRLLVAKMIDLKHTEEWADAIARTDSTVAAGYKIEPYHHQ

FWNGDYVQHLRPAYSFNVRMVSKRTRRSESGNKENLLGRYLSDGATNIQLRGPEYYNIMPVWEWD KIPGITSRDYLTDRPLTKLWGEQGSNDFAGGVSDGVYGASAYALDYDSLQAKKAWFFFDKEIVCLGA GINSNAPENITTTLNQSWLNGPVISTAGKTGRGKITTFKAQGQFWLLHDAIGYYFPEGANLSLSTQSQ KGNWFHINNSHSKDEVSGDVFKLWINHGARPENAQYAYIVLPGINKPEEIKKYNGTAPKVLANTNQL QAVYHQQLDMVQAIFYTAGKLSVAGIEIETDKPCAVLIKHINGKQVIWAADPLQKEKTAVLSIRDLKTG

KTNRVKIDFPQQEFAGATVELK 111111111111111111111111100000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000

>DM\_train79 LMPGGKEFYNFYPEYVVGLQWMGDNYVFIEGDDLVFNKANGKSAQTTRFSAADLNALMPEGCKFQ TTDAFPSFRTLDAGRGLVVLFTQGGLVGFDMLARKVTYLFDTNEETASLDFSPVGDRVAYVRNHNLYI ARGGKLGEGMSRAIAVTIDGTETLVYGQAVHQREFGIEKGTFWSPKGSCLAFYRMDQSMVKPTPIVD YHPLEAESKPLYYPMAGTPSHHVTVGIYHLATGKTVYLQTGEPKEKFLTNLSWSPDENILYVAEVNRA QNECKVNAYDAETGRFVRTLFVETDKHYVEPLHPLTFLPGSNNQFIWQSRRDGWNHLYLYDTTGRLI RQVTKGEWEVTNFAGFDPKGTRLYFESTEASPLERHFYCIDIKGGKTKDLTPESGMHRTQLSPDGSAII DIFQSPTVPRKVTVTNIGKGSHTLLEAKNPDTGYAMPEIRTGTIMAADGQTPLYYKLTMPLHFDPAKK YPVIVYVYGGPHAQLVTKTWRSSVGGWDIYMAQKGYAVFTVDSRGSANRGAAFEQVIHRRLGQTE MADQMCGVDFLKSQSWVDADRIGVHGWSYGGFMTTNLMLTHGDVFKVGVAGGPVIDWNRYAI MYGERYFDAPQENPEGYDAANLLKRAGDLKGRLMLIHGAIDPVVVWQHSLLFLDACVKARTYPDYY VYPSHEHNVMGPDRVHLYETITRYFTDHL 111111111111111000000000000000000000001111111000000000000011111111111000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000111111000000000000 000000000000000000000000000000000000000000111100000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000

>DM\_train83 MAEELVLERCDLELETNGRDHHTADLCREKLVVRRGQPFWLTLHFEGRNYQASVDSLTFSVVTGPAP SQEAGTKARFPLRDAVEEGDWTATVVDQQDCTLSLQLTTPANAPIGLYRLSLEASTGYQGSSFVLGH FILLFNAWCPADAVYLDSEEERQEYVLTQQGFIYQGSAKFIKNIPWNFGQFQDGILDICLILLDVNPKFL KNAGRDCSRRSSPVYVGRVGSGMVNCNDDQGVLLGRWDNNYGDGVSPMSWIGSVDILRRWKNH GCQRVKYGQCWVFAAVACTVLRCLGIPTRVVTNYNSAHDQNSNLLIEYFRNEFGEIQGDKSEMIWN

FHCWVESWMTRPDLQPGYEGWQALDPTPQEKSEGTYCCGPVPVRAIKEGDLSTKYDAPFVFAEVN ADVVDWIQQDDGSVHKSINRSLIVGLKISTKSVGRDEREDITHTYKYPEGSSEEREAFTRANHLNKLAE KEETGMAMRIRVGQSMNMGSDFDVFAHITNNTAEEYVCRLLLCARTVSYNGILGPECGTKYLLNLTLE PFSEKSVPLCILYEKYRDCLTESNLIKVRALLVEPVINSYLLAERDLYLENPEIKIRILGEPKQKRKLVAEVSL QNPLPVALEGCTFTVEGAGLTEEQKTVEIPDPVEAGEEVKVRMDLVPLHMGLHKLVVNFESDKLKAVK GFRNVIIGPA 111111111111110000000000000000000000000000011111111111100000000000000000000 000000000000000000000000000000000000000000000001111111111000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000

>DM\_train84 VLSGCSNNVSSIKIDRFNNISAVNGPGEEDTWASAQKQGVGTANNYVSKVWFTLANGAISEVYYPTI DTADVKEIKFIVTDGKSFVPDETKDAISKVEKFTDKSLGYKLVNTDKKGRYRITKDIFTDVKRNSLIMKAK FEALEGSIHDYKLYLAYDPHIKNQGSYNEGYVIKANNNEMLMAKRDNVYTALSSNIGWKGYSIGYYKV NDIMTDLDENKQMTKHYDSARGNIIEGAEIDLTKNSEFEIVLSFGQSDSEAAKTALETLGEDYNNLKN NYIDEWTKYCNTLNNFNGKANSLYYNSMMILKASEDKTNKGAYIASLSIPWGDGQRDDNTGGYHLV WSRDLYHVANAFIAAGDVDSANRSLDYLAKVVKDNGMIPQNTWISGKPYWTGIQLDEQADPIILSYR LKRYDLYDSLVKPLADFIIKIGPKTGQERWEEIGGYSPATMAAEVAGLTCAAYIAEQNKDYESAQKYQE KADNWQKLIDNLTYTENGPLGNGQYYIRIAGLSDPDADFMINIANGGGVYDQKEIVDPSFLELVRLG VKSADDPKILNTLKVVDSTIKVDTPKGPSWYRYNHDGYGEPSKTELYHGAGKGRLWPLLTGERGMYEI AAGKDATPYVKAMEKFANEGGIISEQVWEDTGLPTDSASPLNWAHAEYVILFASNIEHKVLDMPDIV YKRYVA 111111111100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000

>DM\_train85 TDAKNNLLYFFDRPNEPCFMQKGEDKVVFEIPDHYYPDKYKSLSNTLSNRFGNEATKRIPIRNITLPNLE VPMQLPYNDQFSLFVPKHRTMAAKLIDIFMGMRDVEDLQSVCSYCQLRINPYMFNYCLSVAILHRPD TKGLSIPTFAETFPDKFMDSKVFLRAREVSNVVISGSRMPVNVPINYTANTTEPEQRVAYFREDIGINLH HWHWHLVYPFDSADRSIVNKDRRGELFYYMHQQIIGRYNVERMCNGLPQVKPFSDFSAPIEEGYFPK LDSQVASRTWPPRFAGSVFRNLDRTVDQVKIDVRKLFTWRDQFLEAIQKMAIKMPNGRELPLDEVTG

IDMLGNLMESSIISPNRGYYGDLHNMGHVFAAYTHDPDHRHLEQFGVMGDSATAMRDPFFYRWH RFVDDVFNIYKEKLTPYTNERLDFPGVRVSSVGIEGARPNTLRTLWQQSTVELGRGLDFTPRGSVLARF THLQHDEFQYVIEVNNTTGGNLMGTVRIFMAPKVDDNGQPMSFNKQRRLMIELDKFSQALRPGTN TIRRRSVDSSVTIPYERTFRNQSERPGDPGTAGAAEFDFCGCGWPHHMLIPKGTAQGYPVVLFVMIS



>DM\_train86 MLRFVTKNSQDKSSDLFSICSDRGTFVAHNRVRTDFKFDNLVFNRVYGVSQKFTLVGNPTVCFNEGS SYLEGIAKKYLTLDGGLAIDNVLNELRSTCGIPGNAVASHAYNITSWRWYDNHVALLMNMLRAYHLQ VLTEQGQYSAGDIPMYHDGHVKIKLPVTIDDTAGPTQFAWPSDRSTDSYPDWAQFSESFPSIDVPYL DVRPLTVTEVNFVLMMMSKWHRRTNLAIDYEAPQLADKFAYRHALTVQDADEWIEGDRTDDQFRP PSSKVMLSALRKYVNHNRLYNQFYTAAQLLAQIMMKPVPNCAEGYAWLMHDALVNIPKFGSIRGRY PFLLSGDAALIQATALEDWSAIMAKPELVFTYAMQVSVALNTGLYLRRVKKTGFGTTIDDSYEDGAFL QPETFVQAALACCTGQDAPLNGMSDVYVTYPDLLEFDAVTQVPITVIEPAGYNIVDDHLVVVGVPVA CSPYMIFPVAAFDTANPYCGNFVIKAANKYLRKGAVYDKLEAWKLAWALRVAGYDTHFKVYGDTHG LTKFYADNGDTWTHIPEFVTDGDVMEVFVTAIERRARHFVELPRLNSPAFFRSVEVSTTIYDTHVQAG AHAVYHASRINLDYVKPVSTGIQVINAGELKNYWGSVRRTQQGLGVVGLTMPAVMPTGEPTAGAA HEELIEQADNVLVE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000111111111111111111111111 11111

>DM\_train87 MTAGYEPCWLRYERKDQYSRLRFEEIVAKRTSPIFQAAVEELQKGLRSMMEIEPQVVQEVNETANSIW LGTLEDEEFERPLEGTLVHPEGYVIRSDVDDGPFRIYIIGKTDAGVLYGVFHFLRLLQMGENIAQLSIIEQ PKNRLRMINHWDNMDGSIERGYAGRSIFFVDDQFVKQNQRIKDYARLLASVGINAISINNVNVHKTE TKLITDHFLPDVAEVADIFRTYGIKTFLSINYASPIEIGGLPTADPLDPEVRWWWKETAKRIYQYIPDFGG FVVKADSEFRPGPFTYGRDHAEGANMLAEALAPFGGLVIWRCFVYNCQQDWRDRTTDRAKAAYDH

FKPLDGQFRENVILQIKNGPMDFQVREPVSPLFGAMPKTNQMMEVQITQEYTGQQKHLCFLIPQWK EVLDFDTYAKGKGSEVKKVIDGSLFDYRYSGIAGVSNIGSDPNWTGHTLAQANLYGFGRLAWNPDLS AEEIANEWVVQTFGDDSQVVETISWMLLSSWRIYENYTSPLGVGWMVNPGHHYGPNVDGYEYSH

WGTYHYADRDGIGVDRTVATGTGYTAQYFPENAAMYESLDTCPDELLLFFHHVPYTHRLHSGETVIQ HIYNTHFEGVEQAKQLRKRWEQLKGKIDEKRYHDVLERLTIQVEHAKEWRDVINTYFYRKSGIDDQYG RKIYR

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>DM\_train88 SAPGEDEECGRVRDFVAKLANNTHQHVFDDLRGSVSLSWVGDSTGVILVLTTFHVPLVIMTFGQSKL YRSEDYGKNFKDITDLINNTFIRTEFGMAIGPENSGKVVLTAEVSGGSRGGRIFRSSDFAKNFVQTDLPF HPLTQMMYSPQNSDYLLALSTENGLWVSKNFGGKWEEIHKAVCLAKWGSDNTIFFTTYANGSCKAD LGALELWRTSDLGKSFKTIGVKIYSFGLGGRFLFASVMADKDTTRRIHVSTDQGDTWSMAQLPSVGQ EQFYSILAANDDMVFMHVDEPGDTGFGTIFTSDDRGIVYSKSLDRHLYTTTGGETDFTNVTSLRGVYIT SVLSEDNSIQTMITFDQGGRWTHLRKPENSECDATAKNKNECSLHIHASYSISQKLNVPMAPLSEPNA VGIVIAHGSVGDAISVMVPDVYISDDGGYSWTKMLEGPHYYTILDSGGIIVAIEHSSRPINVIKFSTDEG QCWQTYTFTRDPIYFTGLASEPGARSMNISIWGFTESFLTSQWVSYTIDFKDILERNCEEKDYTIWLAH STDPEDYEDGCILGYKEQFLRLRKSSMCQNGRDYVVTKQPSICLCSLEDFLCDFGYYRPENDSKCVEQ PELKGHDLEFCLYGREEHLTTNGYRKIPGDKCQGGVNPVREVKDLKKKCTSNFLSPEKQNSKSNS 111111111100000000000000000000000000000000000000000000000111110000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000111 1111

>DM\_train89 MVKSRKISILLAVAMLVSIMIPTTAFAGPTKAPTKDGTSYKDLFLELYGKIKDPKNGYFSPDEGIPYHSIET LIVEAPDYGHVTTSEAFSYYVWLEAMYGNLTGNWSGVETAWKVMEDWIIPDSTEQPGMSSYNPNSP ATYADEYEDPSYYPSELKFDTVRVGSDPVHNDLVSAYGPNMYLMHWLMDVDNWYGFGTGTRATFI NTFQRGEQESTWETIPHPSIEEFKYGGPNGFLDLFTKDRSYAKQWRYTNAPDAEGRAIQAVYWANK WAKEQGKGSAVASVVSKAAKMGDFLRNDMFDKYFMKIGAQDKTPATGYDSAHYLMAWYTAWGG GIGASWAWKIGCSHAHFGYQNPFQGWVSATQSDFAPKSSNGKRDWTTSYKRQLEFYQWLQSAEG

GIAGGATNSWNGRYEKYPAGTSTFYGMAYVPHPVYADPGSNQWFGFQAWSMQRVMEYYLETGD SSVKNLIKKWVDWVMSEIKLYDDGTFAIPSDLEWSGQPDTWTGTYTGNPNLHVRVTSYGTDLGVAG SLANALATYAAATERWEGKLDTKARDMAAELVNRAWYNFYCSEGKGVVTEEARADYKRFFEQEVYV PAGWSGTMPNGDKIQPGIKFIDIRTKYRQDPYYDIVYQAYLRGEAPVLNYHRFWHEVDLAVAMGVL ATYFPDMTYKVPGTPSTKLYG

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>DM\_train90 SPCSVVNDLRWDLSAQQIEERTRELIEQTKRVYDQVGTQEFEDVSYESTLKALADVEVTYTVQRNILDF PQHVSPSKDIRTASTEADKKLSEFDVEMSMREDVYQRIVWLQEKVQKDSLRPEAARYLERLIKLGRRN GLHLPRETQENIKRIKKKLSLLCIDFNKNLNEDTTFLPFTLQELGGLPEDFLNSLEKMEDGKLKVTLKYPH YFPLLKKCHVPETRRKVEEAFNSRCKEENSAILKELVTLRAQKSRLLGFHTHADYVLEMNMAKTSQTVA TFLDELAQKLKPLGEQERAVILELKRAECERRGLPFDGRIRAWDMRYYMNQVEETRYCVDQNLLKEYF PVQVVTHGLLGIYQELLGLAFHHEEGASAWHEDVRLYTARDAASGEVVGKFYLDLYPREGKYGHAAC FGLQPGCLRQDGSRQIAIAAMVANFTKPTADAPSLLQHDEVRTYFHEFGHVMHQLCSQAEFAMFSG THVETDFVEAPSQMLENWVWEQEPLLRMSRHYRTGSAVPRELLEKLIESRQANTGLFNLRQIVLAKV DQALHTQTDADPAEEYARLCQEILGVPATPGTNMPATFGHLAGGYDAQYYGYLWSEVYSMDMFHT RFKQEGVLNSKVGMDYRSCILRPGGSEDASAMLRRFLGRDPKQDAFLLSKGLQVGGCEPEPQVC 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000111111111111 >DM\_train91 AGVDEAAIRATEQAGGEWLSHGRTYAEQRFSPLKQIDASNVRSLGLAWYMDLDNTRGLEATPLFHD GVIYTSMSWSRVIAVDAASGKELWRYDPEVAKVKARTSCCDAVNRGVALWGDKVYVGTLDGRLIAL DAKTGKAIWSQQTTDPAKPYSITGAPRVVKGKVIIGNGGAEYGVRGFVSAYDADTGKLAWRFYTVPG DPALPYEHPELREAAKTWQGDQYWKLGGGGTVWDSMAYDPELDLLYVGTGNGSPWNREVRSPGG GDNLYLSSILAIRPDTGKLAWHYQVTPGDSWDFTATQQITLAELNIDGKPRKVLMQAPKNGFFYVLD RTNGKLISAEKFGKVTWAEKVDLATGRPVEAPGVRYEKEPIVMWPSPFGAHNWHSMSFNPGTGLVYI PYQEVPGVYRNEGKDFVTRKAFNTAAGFADATDVPAAVVSGALLAWDPVKQKAAWKVPYPTHWN GGTLSTAGNLVFQGTAAGQMHAYSADKGEALWQFEAQSGIVAAPMTFELAGRQYVAIMAGWGGV

ATLTGGESMNLPGMKNRSRLLVFALDGKAQLPPPAPAPAKVERVPQPVTAAPEQVQAGKQLYGQF CSVCHGMGTISGGLIPDLRQSSDATREHFQQIVLQGALKPLGMPSFDDSLKPEEVEQIKLYVMSREYE DYMARHKAAP

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>DM\_train96 MSLSIPREFSNAIRFLSIDATLKAKSGHPGMPMGMADIATVLWTKFLKHNPNNPHWINRDRFVLSNG HGSMLLYSLLHLTGYDLSIEDIKNFRQLHSKTPGHPEYGYTPGVETTTGPLGQGVANAVGMALGEKLL SDRYNTPDLKVIDHHTYVFLGDGCLMEGVSHEACSLAGTLGLNKLVAFWDDNNISIDGDTKGWFSD NTPERFRAYGWHVIENVDGHDFVAIEKAINEAHSQQQKPTLICCKTVIGFGSPEKAGTASVHGSPLSD QERASAAKELNWDYQAFEIPQDVYKYWDAREKGQALEANWQGQRNLFKDSPKFDEFERVLSKELPV GLESAINDYIASQLSNPVKVATRKASQMVLEVLCKNMPEMFGGSADLTGSNNTNWSGSVWLNNTQ EGANYLSYGVREFGMAAIMNGLSLYGGIKPYGGTFLVFSDYSRNAIRMSALMKQPVVHVMSHDSIGL GEDGPTHQPIEHVPSLRLIPNLSVWRPADTIETMIAWKEAVKSKDTPSVMVLTRQNLMPVVQTQHQ VANIARGGYLVKDNPDAKLTIVATGSEVELAVKVANEFEKKGIKLNVASIPCVEVFATQAHEYKKTVIKD DIPAVFVEMAQPDMWYKYMPKAGGEVKGIYSFGESAPAEDLFKRFGFTVENISNIVAKYV 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000001111110000000000000000000000000000000 000000000000000000000000000000000111110000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000001000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000

>DM\_train97 MERINFIFGIHNHQPLGNFGWVFEEAYNRSYRPFMEILEEFPEMKVNVHFSGPLLEWIEENKPDYLDLL RSLIKRGQLEIVVAGFYEPVLAAIPKEDRLVQIEMLKDYARKLGYDAKGVWLTERVWQPELVKSLREAGI EYVVVDDYHFMSAGLSKEELFWPYYTEDGGEVITVFPIDEKLRYLIPFRPVKKTIEYLESLTSDDPSKVAV FHDDGEKFGVWPGTYEWVYEKGWLREFFDAITSNEKINLMTYSEYLSKFTPRGLVYLPIASYFEMSEWS LPAKQAKLFVEFVEQLKEEGKFEKYRVFVRGGIWKNFFFKYPESNFMHKRMLMVSKAVRDNPEARKYI LKAQCNDAYWHGVFGGIYLPHLRRTVWENIIKAQRYLKPENKILDVDFDGRAEIMVENDGFIATIKPH YGGSIFELSSKRKAVNYNDVLPRRWEHYHEVPEATKPEKESEEGIASIHELGKQIPEEIRRELAYDWQLR AILQDHFIKPEETLDNYRLVKYHELGDFVNQPYEYEMIENGVKLWREGGVYAEEKIPARVEKKIELTEDG FIAKYRVLLEKPYKALFGVEINLAVHSVMEKPEEFEAKEFEVNDPYGIGKVRIELDKAAKVWKFPIKTLSQ SEAGWDFIQQGVSYTMLFPIEKELEFTVRFREL 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train98 MSRLLALLALAPLLAGAAETTAPKPPSAFTVEAQRRVEAELPFADRADFERADRGLIRRPERLLIRNPDG SVAWQLGGYDFLLDGKPRDSINPSLQRQALLNLKYGLFEVAEGIYQVRGFDLANITFIRGDSGWIVVD TLTTPATARAAYELVSRELGERPIRTVIYSHAHADHFGGVRGLVEPQQVASGAVQIIAPAGFMEAAIKE NVLAGNAMMRRATYQYGTQLPKGPQGQVDMAIGKGLARGPLSLLAPTRLIEGEGEDLVLDGVPFTF QNTPGTESPAEMNIWLPRQKALLMAENVVGTLHNLYTLRGAEVRDALGWSKYINQALHRFGRQAE VMFAVHNWPRWGNAEIVEVLEKQRDLYGYLHDQTLHLANQGVTIGQVHNRLRLPPSLDQEWYDR GYHGSVSHNARAVLNRYLGYYDGNPATLDPLSPEDSAGRYVEYMGGAERLLEQARASYARGEYRW VVEVVNRLVFAEPDNRAARELQADALEQLGYQAENAGWRNSYLSAAYELRHGVPRDQPTMKAGSA DALAAMDTGLLFDYLGVRLDAGAAEGKALSINLRLPDIGENYLLELKNSHLNNLRGVQSEDAGQTVSI DRADLNRLLLKEVSAVRLVFEGKLKSSGNPLLLGQLFGMLGDFDFWFDIVTPAAKSEG 111111111111111111100000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000011100000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000001 111100000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000111

>DM\_train100 MNFLRGVMGGQSAGPQHTEAETIQKLCDRVASSTLLDDRRNAVRALKSLSKKYRLEVGIQAMEHLIH VLQTDRSDSEIIGYALDTLYNIISNDEEEEVEENSTRQSEDLGSQFTEIFIKQQENVTLLLSLLEEFDFHVR WPGVKLLTSLLKQLGPQVQQIILVSPMGVSRLMDLLADSREVIRNDGVLLLQALTRSNGAIQKIVAFE NAFERLLDIITEEGNSDGGIVVEDCLILLQNLLKNNNSNQNFFKEGSYIQRMKPWFEVGDENSGWSA QKVTNLHLMLQLVRVLVSPNNPPGATSSCQKAMFQCGLLQQLCTILMATGVPADILTETINTVSEVIR GCQVNQDYFASVNAPSNPPRPAIVVLLMSMVNERQPFVLRCAVLYCFQCFLYKNQKGQGEIVSTLL PSTIDATGNTVSAGQLLCGGLFSTDSLSNWCAAVALAHALQENATQKEQLLRVQLATSIGNPPVSLL QQCTNILSQGSKIQTRVGLLMLLCTWLSNCPIAVTHFLHNSANVPFLTGQIAENLGEEEQLVQGLCAL LLGISIYFNDNSLETYMKEKLKQLIEKRIGKENFIEKLGFISKHELYSRASQKPQPNFPSPEYMIFDHEFTKL VKELEGVITKAIYKSSEEDKKEEEVKKTLEQHDSI 111111111111111110000000000000000000000000000000000000000000000000000000000 000000000000000000111111111111110000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train101 MGGSHHHHHHGMASLAPGSSRVELFKRQSSKVPFEKDGKVTERVVHSFRLPALVNVDGVMVAIAD ARYETSFDNSLIDTVAKYSVDDGETWETQIAIKNSRASSVSRVVDPTVIVKGNKLYVLVGSYNSSRSYW TSHGDARDWDILLAVGEVTKSTAGGKITASIKWGSPVSLKEFFPAEMEGMHTNQFLGGAGVAIVASN GNLVYPVQVTNKKKQVFSKIFYSEDEGKTWKFGKGRSAFGCSEPVALEWEGKLIINTRVDYRRRLVYES SDMGNTWLEAVGTLSRVWGPSPKSNQPGSQSSFTAVTIEGMRVMLFTHPLNFKGRWLRDRLNLWL TDNQRIYNVGQVSIGDENSAYSSVLYKDDKLYCLHEINSNEVYSLVFARLVGELRIIKSVLQSWKNWD SHLSSICTPADPAASSSERGCGPAVTTVGLVGFLSHSATKTEWEDAYRCVNASTANAERVPNGLKFA GVGGGALWPVSQQGQNQRYHFANHAFTLVASVTIHEVPKGASPLLGASLDSSGGKKLLGLSYDKRH QWQPIYGSTPVTPTGSWEMGKRYHVVLTMANKIGSVYIDGEPLEGSGQTVVPDERTPDISHFYVGGY KRSGMPTDSRVTVNNVLLYNRQLNAEEIRTLFLSQDLIGTEAHMD 111111111111111110000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000001111111110000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000

>DM\_train104 MTHHDCAHCSSDACATEMLNLAEANSIETAWHRYEKQQPQCGFGSAGLCCRICLKGPCRIDPFGEG PKYGVCGADRDTIVARHLVRMIAAGTAAHSEHGRHIALAMQHISQGELHDYSIRDEAKLYAIAKTLGV ATEGRGLLAIVGDLAAITLGDFQNQDYDKPCAWLAASLTPRRVKRLGDLGLLPHNIDASVAQTMSRT HVGCDADPTNLILGGLRVAMADLDGSMLATELSDALFGTPQPVVSAANLGVMKRGAVNIAVNGHN PMLSDIICDVAADLRDEAIAAGAAEGINIIGICCTGHEVMMRHGVPLATNYLSQELPILTGALEAMVVD VQCIMPSLPRIAECFHTQIITTDKHNKISGATHVPFDEHKAVETAKTIIRMAIAAFGRRDPNRVAIPAFK QKSIVGFSAEAVVAALAKVNADDPLKPLVDNVVNGNIQGIVLFVGCNTTKVQQDSAYVDLAKSLAKR NVLVLATGCAAGAFAKAGLMTSEATTQYAGEGLKGVLSAIGTAAGLGGPLPLVMHMGSCVDNSRA VALATALANKLGVDLSDLPLVASAPECMSEKALAIGSWAVTIGLPTHVGSVPPVIGSQIVTKLVTETAK DLVGGYFIVDTDPKSAGDKLYAAIQERRAGLGL 111111111111111111111111111000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000

>DM\_train105 PILEKAPQKMPVKASSWEELDLPKLPVPPLQQTLATYLQCMQHLVPEEQFRKSQAIVKRFGAPGGLGE TLQEKLLERQEKTANWVSEYWLNDMYLNNRLALPVNSSPAVIFARQHFQDTNDQLRFAACLISGVLS YKTLLDSHSLPTDWAKGQLSGQPLCMKQYYRLFSSYRLPGHTQDTLVAQKSSIMPEPEHVIVACCNQ FFVLDVVINFRRLSEGDLFTQLRKIVKMASNEDERLPPIGLLTSDGRSEWAKARTVLLKDSTNRDSLDMI ERCICLVCLDGPGTGELSDTHRALQLLHGGGCSLNGANRWYDKSLQFVVGRDGTCGVVCEHSPFDG IVLVQCTEHLLKHMMTSNKKLVRADSVSELPAPRRLRWKCSPETQGHLASSAEKLQRIVKNLDFIVYKF DNYGKTFIKKQKYSPDGFIQVALQLAYYRLYQRLVPTYESASIRRFQEGRVDNIRSATPEALAFVQAMT DHKAAMPASEKLQLLQTAMQAQTEYTVMAITGMAIDNHLLALRELARDLCKEPPEMFMDETYLMS NRFVLSTSQVPTTMEMFCCYGPVVPNGYGACYNPQPEAITFCISSFHSCKETSSVEFAEAVGASLVDM RDLCSSRQPADSKPPAPKEKARGPSQAKQS 111111111111111111000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000111111111111111111111111

>DM\_train106 APAADAAQAHDPLSVQTGSDIPASVHMPTDQQRDYIKREVMVPMRDGVKLYTVIVIPKNARNAPIL LTRTPYNAKGRANRVPNALTMREVLPQGDDVFVEGGYIRVFQDIRGKYGSQGDYVMTRPPHGPLNP TKTDETTDAWDTVDWLVHNVPESNGRVGMTGSSYEGFTVVMALLDPHPALKVAAPESPMVDGW MGDDWFHYGAFRQGAFDYFVSQMTARGGGNDIPRRDADDYTNFLKAGSAGSFATQAGLDQYPF WQRMHAHPAYDAFWQGQALDKILAQRKPTVPMLWEQGLWDQEDMWGAIHAWQALKDADVK APNTLVMGPWRHSGVNYNGSTLGPLEFEGDTAHQYRRDVFRPFFDEYLKPGSASVHLPDAIIYNTGD QKWDYYRSWPSVCESNCTGGLTPLYLADGHGLSFTHPAADGADSYVSDPAHPVPFISRPFAFAQSSR WKPWLVQDQREAESRPDVVTYETEVLDEPVRVSGVPVADLFAATSGTDSDWVVKLIDVQPAMTPD DPKMGGYELPVSMDIFRGRYRKDFAKPEALQPDATLHYHFTLPAVNHVFAKGHRIMVQIQSSWFPLY DRNPQKFVPNIFDAKPADYTVATQSIHHGGKEATSILLPVVKQEQKLISEEDL 111111111000000000000011111111100000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000011111111111

>DM\_train107 GSHMLDNMDVIGERIKRIKEEHNSTWHYDDENPYKTWAYHGSYEVKATGSASSMINGVVKLLTKPW DVVPMVTQMAMTDTTPFGQQRVFKEKVDTRTPRPLPGTRKVMEITAEWLWRTLGRNKRPRLCTREE FTKKVRTNAAMGAVFTEENQWDSAKAAVEDEEFWKLVDRERELHKLGKCGSCVYNMMGKREKKLG

EFGKAKGSRAIWYMWLGARYLEFEALGFLNEDHWFSRENSYSGVEGEGLHKLGYILRDISKIPGGAMY ADDTAGWDTRITEDDLHNEEKIIQQMDPEHRQLANAIFKLTYQNKVVKVQRPTPTGTVMDIISRKDQ RGSGQVGTYGLNTFTNMEAQLVRQMEGEGVLTKADLENPHLLEKKITQWLETKGVERLKRMAISGD DCVVKPIDDRFANALLALNDMGKVRKDIPQWQPSKGWHDWQQVPFCSHHFHELIMKDGRKLVVP CRPQDELIGRARISQGAGWSLRETACLGKAYAQMWSLMYFHRRDLRLASNAICSAVPVHWVPTSRT TWSIHAHHQWMTTEDMLTVWNRVWIEENPWMEDKTPVTTWENVPYLGKREDQWCGSLIGLTSRA TWAQNIPTAIQQVRSLIGNEEFLDYMPSMKRFRKEEESEGAIW

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>DM\_train108 MAEQLVEAPAYARTLDRAVEYLLSCQKDEGYWWGPLLSNVTMEAEYVLLCHILDRVDRDRMEKIRRY LLHEQREDGTWALYPGGPPDLDTTIEAYVALKYIGMSRDEEPMQKALRFIQSQGGIESSRVFTRMWLA LVGEYPWEKVPMVPPEIMFLGKRMPLNIYEFGSWARATVVALSIVMSRQPVFPLPERARVPELYETDV PPRRRGAKGGGGWIFDALDRALHGYQKLSVHPFRRAAEIRALDWLLERQAGDGSWGGIQPPWFYA LIALKILDMTQHPAFIKGWEGLELYGVELDYGGWMFQASISPVWDTGLAVLALRAAGLPADHDRLVK AGEWLLDRQITVPGDWAVKRPNLKPGGFAFQFDNVYYPDVCDTAVVVWALNTLRLPDERRRRDA MTKGFRWIVGMQSSNGGWGAYDVDNTSDLPNHIPFCDFGEVTDPPSEDVTAHVLECFGSFGYDDA WKVIRRAVEYLKREQKPDGSWFGRWGVNYLYGTGAVVSALKAVGIDTREPYIQKALDWVEQHQNP DGGWGEDCRSYEDPAYAGKGASTPSQTAWALMALIAGGRAESEAARRGVQYLVETQRPDGGWDE PYYTGTGFPGDFYLGYTMYRHVFPTLALGRYKQAIERR 111111111000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000111

>DM\_train110 GELMPPQLQNGLNLSAKVVQGSLDSLPQAVREFLENNAELCQPDHIHICDGSEEENGRLLGQMEEE GILRRLKKYDNCWLALTDPRDVARIESKTVIVTQEQRDTVPIPKTGLSQLGRWMSEEDFEKAFNARFP GCMKGRTMYVIPFSMGPLGSPLSKIGIELTDSPYVVASMRIMTRMGTPVLEALGDGEFVKCLHSVGCP LPLQKPLVNNWPCNPELTLIAHLPDRREIISFGSGYGGNSLLGKKCFALRMASRLAKEEGWLAEHMLV LGITNPEGEKKYLAAAFPSACGKTNLAMMNPSLPGWKVECVGDDIAWMKFDAQGHLRAINPENGF FGVAPGTSVKTNPNAIKTIQKNTIFTNVAETSDGGVYWEGIDEPLASGVTITSWKNKEWSSEDGEPCA HPNSRFCTPASQCPIIDAAWESPEGVPIEGIIFGGRRPAGVPLVYEALSWQHGVFVGAAMRSEATAAA

EHKGKIIMHDPFAMRPFFGYNFGKYLAHWLSMAQHPAAKLPKIFHVNWFRKDKEGKFLWPGFGENS RVLEWMFNRIDGKASTKLTPIGYIPKEDALNLKGLGHINMMELFSISKEFWDKEVEDIEKYLVDQVNAD LPCEIEREILALKQRISQM

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>DM\_train112 STIRIGGAAVNQTPIDWENNVKNILDAIEEAKNANVEILCLPELCITGYGCEDLFLTDWVAETAIEYCFEI AASCTDITVSLGLPMRIAGITYNCVCLVENGIVKGFSAKQFLANEGVHYETRWFTAWPRNHTTTFLYN DVKYPFGDVLYNVKDARIGFEICEDAWRTDRVGIRHYEKGATLVLNPSASHFAFGKSAIRYDLVIGGSE RFDCTYVYANLLGNEAGRMIYDGEVLIAHKGKLIQRNDRLSFKNVNLIYADIATDSAETPETVLTQDDL EKEFEFWEATSLGLFDYMRKSRSKGFVLSLSGGADSSACAIMVAEMIRKGLKELGLTAFLQKSNMETLF DLPALQHLPFEEQAKKITAVFLTTAYQSTRNSGDETYTSAKTLAESIGATFYNWSVDEEIEQYKATIENVI ERPLTWEKDDITLQNIQARGRAPIIWMLTNVKQALLITTSNRSEGDVGYATMDGDTAGGIAPIAGVDK DFIRSWLRWAEKNRNQHGLHIVNKLAPTAELRPSEYTQTDERDLMPYDVLARIERKAIKERLSPVQVY TALLTEGPYTKNEFKYWVKKFFRLWSINQWKRERLAPSFHMDDFNIDPRSWYRFPILSSGFAKELNDL DQ 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000001111111111000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000011111111111111000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000011111111111111111 110000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000

>DM\_train115 MYGWWGRILRVNLTTGEVKVQEYPEEVAKKFIGGRGLAAWILWNEARGVEPLSPENKLIFAAGPFNG LPTPSGGKLVVAAKSPLTGGYGDGNLGTMASVHLRRAGYDALVVEGKAKKPVYIYIEDDNVSILSAEG LWGKTTFETERELKEIHGKNVGVLTIGPAGENLVKYAVVISQEGRAAGRPGMGAVMGSKKLKAVVIRG TKEIPVADKEELKKLSQEAYNEILNSPGYPFWKRQGTMAAVEWCNTNYALPTRNFSDGYFEFARSIDG YTMEGMKVQQRGCPYCNMPCGNVVLDAEGQESELDYENVALLGSNLGIGKLNEVSVLNRIADEMG MDTISLGVSIAHVMEAVERGILKEGPTFGDFKGAKQLALDIAYRKGELGNLAAEGVKAMAEKLGTHDF AMHVKGLEVSGYNCYIYPAMALAYGTSAIGAHHKEAWVIAWEIGTAPIEGEKAEKVEYKISYDPIKAQK VVELQRLRGGLFEMLTACRLPWVEVGLSLDYYPKLLKAITGVTYTWDDLYKAADRVYSLIRAYWVREF NGKWDRKMDYPPKRWFTEGLKSGPHKGEHLDEKKYDELLSEYYRIRGWDERGIPKKETLKELDLDFVI PELEKVTNLE 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train116 MKPKKRQMEYLTRGLIAVQTEQGVFVSWRFLGTDHETTAFHLYRDGKRITRDPIAESTNFLDQNGTA DSVYQVAAVNKGREEKLSKKARVWQENVLEVPLAKPEGGVTPDGKPYTYSANDASVGDIDGDGEYE MILKWDPSNSKDNAHDGYTGEVLIDAYKLDGTFLWRINLGRNIRAGAHYTQFMVYDLDGDGKAEIA MKTADGTTDGKGHIIGDEQADFRNEQGRILSGPEYLTVFKGETGEALTTVEYEPPRGKLEDWGDGYG NRMDRFLAGTAYLDGERPSLVMARGYYTRTVLVAYDFRNGRLKKRWVFDSNQPGHEAYAGQGNH SLSVADVDGDGKDEIIYGAMAVDHDGTGLYSTGLGHGDAMHVGDLDPSRKGLEVFQVHEDATKPY GLSLRDAGTGEILWGVHAGTDVGRGMAAHIDPSYKGSLVWGIDPPGNDGMSYGLFTSKGEKISDKA PSSANFAIWWDGDLVRELLDHDWDGTIGRPKIEKWDAENGCLKTIFQPAGVLSNNGTKGNPVLQA NLFGDWREEVIWRTEDSSALRIYTTTHLTRHCFYTLMHDPVYRLGIAWQNTAYNQPPHTSFYLGTGM KKPPKPALYIAGSKAEAPL 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000111111

>DM\_train117 MRYIAGIDIGNSSTEVALATLDEAGALTITHSALAETTGIKGTLRNVFGIQEALALVARGAGIAVSDISLIR INEATPVIGDVAMETITETIITESTMIGHNPKTPGGAGLGTGITITPQELLTRPADAPYILVVSSAFDFADI ASVINASLRAGYQITGVILQRDDGVLVSNRLEKPLPIVDEVLYIDRIPLGMLAAIEVAVPGKVIETLSNPY GIATVFNLSPEETKNIVPMARALIGNRSAVVVKTPSGDVKARAIPAGNLELLAQGRSVRVDVAAGAEAI MKAVDGCGRLDNVTGESGTNIGGMLEHVRQTMAELTNKPSSEIFIQDLLAVDTSVPVSVTGGLAGEF SLEQAVGIASMVKSDRLQMAMIAREIEQKLNIDVQIGGAEAEAAILGALTTPGTTRPLAILDLGAGSTD ASIINPKGDIIATHLAGAGDMVTMIIARELGLEDRYLAEEIKKYPLAKVESLFHLRHEDGSVQFFSTPLPP AVFARVCVVKADELVPLPGDLALEKVRAIRRSAKERVFVTNALRALRQVSPTGNIRDIPFVVLVGGSSL DFEVPQLVTDALAHYRLVAGRGNIRGSEGPRNAVATGLILSWHKEFAHER 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train120 MAKKVNWYVSCSPRSPEKIQPELKVLANFEGSYWKGVKGYKAQEAFAKELAALPQFLGTTYKKEAAFS TRDRVAPMKTYGFVFVDEEGYLRITEAGKMLANNRRPKDVFLKQLVKWQYPSFQHKGKEYPEEEWSI NPLVFVLSLLKKVGGLSKLDIAMFCLTATNNNQVDEIAEEIMQFRNEREKIKGQNKKLEFTENYFFKRFE KIYGNVGKIREGKSDSSHKSKIETKMRNARDVADATTRYFRYTGLFVARGNQLVLNPEKSDLIDEIISSS KVVKNYTRVEEFHEYYGNPSLPQFSFETKEQLLDLAHRIRDENTRLAEQLVEHFPNVKVEIQVLEDIYNS LNKKVDVETLKDVIYHAKELQLELKKKKLQADFNDPRQLEEVIDLLEVYHEKKNVIEEKIKARFIANKNTV FEWLTWNGFIILGNALEYKNNFVIDEELQPVTHAAGNQPDMEIIYEDFIVLGEVTTSKGATQFKMESEP VTRHYLNKKKELEKQGVEKELYCLFIAPEINKNTFEEFMKYNIVQNTRIIPLSLKQFNMLLMVQKKLIEKG RRLSSYDIKNLMVSLYRTTIECERKYTQIKAGLEETLNNWVVDKEVRF 000000000000000000000000000000000000000000000000000000000011111110000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000011111111110000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000

>DM\_train121 MASEIHMTGPMCLIENTNGRLMANPEALKILSAITQPMVVVAIVGLYRTGKSYLMNKLAGKKKGFSLG STVQSHTKGIWMWCVPHPKKPGHILVLLDTEGLGDVEKGDNQNDSWIFALAVLLSSTFVYNSIGTIN QQAMDQLYYVTELTHRIRSKSSPDENENEVEDSADFVSFFPDFVWTLRDFSLDLEADGQPLTPDEYLT YSLKLKKGTSQKDETFNLPRLCIRKFFPKKKCFVFDRPVHRRKLAQLEKLQDEELDPEFVQQVADFCSYI FSNSKTKTLSGGIQVNGPRLESLVLTYVNAISSGDLPCMENAVLALAQIENSAAVQKAIAHYEQQMG QKVQLPTESLQELLDLHRDSEREAIEVFIRSSFKDVDHLFQKELAAQLEKKRDDFCKQNQEASSDRCSG LLQVIFSPLEEEVKAGIYSKPGGYRLFVQKLQDLKKKYYEEPRKGIQAEEILQTYLKSKESMTDAILQTDQ TLTEKEKEIEVERVKAESAQASAKMLHEMQRKNEQMMEQKERSYQEHLKQLTEKMENDRVQLLKEQ ERTLALKLQEQEQLLKEGFQKESRIMKNEIQDLQTKMRRRKACTIS 111110000000000000000000000000000000000000000000000000000000001111111111100 000000000000000000000000000000000000000000000000000000000000000000000000000 000000111111111100000000000000000000000111100000000000000000000000000000000 000000000000000000111111111111100000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000111111111 >DM\_train122 MALKTAVHEKIMNDVVLAVKKNAEWKVLIVDQLSMRMVSACCKMHEIMSEGITLVEDINRRREPLPL LEAVYLITPTEESVKCLMADFQNPDNPQYRGAHIFFTEACPEELFKELCKSTTARFIKTLKEINIAFLPYES QIFSLDSPDTFQVYYNPSRAQGGIPNKERCAEQIATLCATLGEYPSVRYRSDFDENASFAQLVQQKLD

AYRADDPTMGEGPQKDRSQLLILDRGFDPISPLLHELTFQAMAYDLLPIENDVYKYVNTGGNEVPEKE VLLDEKDDLWVEMRHQHIAVVSQNVTKKLKQFADEKRMGTAADKAGIKDLSQMLKKMPQYQKELS KYSTHLHLAEDCMKQYQQHVDKLCKVEQDLAMGTDADGEKIRDHMRNIVPILLDQKISAYDKIRIILL YIIHKGGISEENLAKLVQHAHIPAEEKWIINDMQNLGVPIIQDGGRRKIPQPYHTHNRKERQADHTYQ MSRWTPYMKDIMEAAVEDKLDTRHYPFLNGGGPRPSCQQPVSVRYGHWHKDKGQASYKSGPRLIIF VVGGISYSEMRSAYEVTQTAKNNWEVILGSTHILTPEGLLRDLRKISNP

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>DM\_train123 IETGYTPIDISLSLTQFLLSEFVPGAGFVLGLVDIIWGIFGPSQWDAFLVQIEQLINQRIEEFARNQAISRLE GLSNLYQIYAESFREWEADPTNPALREEMRIQFNDMNSALTTAIPLLAVQNYQVPLLSVYVQAANLH LSVLRDVSVFGQRWGFDAATINSRYNDLTRLIGNYTDYAVRWYNTGLERVWGPDSRDWVRYNQFR RELTLTVLDIVALFSNYDSRRYPIRTVSQLTREIYTNPVLENFDGSFRGMAQRIEQNIRQPHLMDILNSIT IYTDVHRGFNYWSGHQITASPVGFSGPEFAFPLFGNAGNAAPPVLVSLTGLGIFRTLSSPLYRRIILGSG PNNQELFVLDGTEFSFASLTTNLPSTIYRQRGTVDSLDVIPPQDNSVPPRAGFSHRLSHVTMLSQAAG AVYTLRAPTFSWQHRSAEFNNIIPSSQITQIPLTKSTNLGSGTSVVKGPGFTGGDILRRTSPGQISTLRV NITAPLSQRYRVRIRYASTTNLQFHTSIDGRPINQGNFSATMSSGSNLQSGSFRTVGFTTPFNFSNGSS VFTLSAHVFNSGNEVYIDRIEFVPAEVTFEAEYDLER 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000111111111 >DM\_train124 LVTDEAEASKFVEEYDRTSQVVWNEYAEANWNYNTNITTETSKILLQKNMQIANHTLKYGTQARKFD VNQLQNTTIKRIIKKVQDLERAALPAQELEEYNKILLDMETTYSVATVCHPNGSCLQLEPDLTNVMATS RKYEDLLWAWEGWRDKAGRAILQFYPKYVELINQAARLNGYVDAGDSWRSMYETPSLEQDLERLFQ ELQPLYLNLHAYVRRALHRHYGAQHINLEGPIPAHLLGNMWAQTWSNIYDLVVPFPSAPSMDTTEA MLKQGWTPRRMFKEADDFFTSLGLLPVPPEFWNKSMLEKPTDGREVVCHASAWDFYNGKDFRIKQ CTTVNLEDLVVAHHEMGHIQYFMQYKDLPVALREGANPGFHEAIGDVLALSVSTPKHLHSLNLLSSE GGSDEHDINFLMKMALDKIAFIPFSYLVDQWRWRVFDGSITKENYNQEWWSLRLKYQGLCPPVPRT QGDFDPGAKFHIPSSVPYIRYFVSFIIQFQFHEALCQAAGHTGPLHKCDIYQSKEAGQRLATAMKLGFS RPWPEAMQLITGQPNMSASAMLSYFKPLLDWLRTENELHGEKLGWPQYNWTPNS 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train125 DAHKSEVAHRFKDLGEENFKALVLIAFAQYLQQCPFEDHVKLVNEVTEFAKTCVADESAENCDKSLHT LFGDKLCTVATLRETYGEMADCCAKQEPERNECFLQHKDDNPNLPRLVRPEVDVMCTAFHDNEETF LKKYLYEIARRHPYFYAPELLFFAKRYKAAFTECCQAADKAACLLPKLDELRDEGKASSAKQRLKCASLQ KFGERAFKAWAVARLSQRFPKAEFAEVSKLVTDLTKVHTECCHGDLLECADDRADLAKYICENQDSIS SKLKECCEKPLLEKSHCIAEVENDEMPADLPSLAADFVESKDVCKNYAEAKDVFLGMFLYEYARRHPD YSVVLLLRLAKTYETTLEKCCAAADPHECYAKVFDEFKPLVEEPQNLIKQNCELFEQLGEYKFQNALLVR YTKKVPQVSTPTLVEVSRNLGKVGSKCCKHPEAKRMPCAEDYLSVVLNQLCVLHEKTPVSDRVTKCCT ESLVNRRPCFSALEVDETYVPKEFNAETFTFHADICTLSEKERQIKKQTALVELVKHKPKATKEQLKAVM DDFAAFVEKCCKADDKETCFAEEGKKLVAASQAALGL 111100000000000000000000000000000000000000000000000000000000000000000000000 011111111111100000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000001111111111111111

>DM\_train126 MEMISNNLNWFVGVVEDRMDPLKLGRVRVRVVGLHPPQRAQGDVMGIPTEKLPWMSVIQPITSAA MSGIGGSVTGPVEGTRVYGHFLDKWKTNGIVLGTYGGIVREKPNRLEGFSDPTGQYPRRLGNDTNVL NQGGEVGYDSSSNVIQDSNLDTAINPDDRPLSEIPTDDNPNMSMAEMLRRDEGLRLKVYWDTEGYP TIGIGHLIMKQPVRDMAQINKVLSKQVGREITGNPGSITMEEATTLFERDLADMQRDIKSHSKVGPVW QAVNRSRQMALENMAFQMGVGGVAKFNTMLTAMLAGDWEKAYKAGRDSLWYQQTKGRASRVT MIILTGNLESYGVEVKTPARSLSAMAATVAKSSDPADPPIPNDSRILFKEPVSSYKGEYPYVHTMETESG HIQEFDDTPGQERYRLVHPTGTYEEVSPSGRRTRKTVDNLYDITNADGNFLVAGDKKTNVGGSEIYYN MDNRLHQIDGSNTIFVRGDETKTVEGNGTILVKGNVTIIVEGNADITVKGDATTLVEGNQTNTVNGN LSWKVAGTVDWDVGGDWTEKMASMSSISSGQYTIDGSRIDIGSVDHHHHHH 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000111111111111111100000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000001111

>DM\_train127 GAMGSPKEHIDLYQQIKWNGWGDTRKFLHQLKPSGTIAMTTPEVSSVPLPSLRGFIKKELTLPGEEDKP

FVLDETPALQIENIHVDPPKQYPEFVRELKAFFLPDQLKDDKLARITHTFGKSLRDLIRVRIGQVKNAPD LIVLPHSHEEVERLVQLAHKYNVVIIPMGGGSNIVGAIEPVSNERFTVSIDMRRMNKVLWVDRREMTA CIQVGIMGPELEKQLHKQGVSLGHDPDSFEFSTLGGWLATCSSGHQSDKYGDIEDMAVSFRTVTPTG TLELRNGARSGAGINYKHIILGSEGTLGIITEAVMKVHAVPQAVEYYGFLFPTFAHAVSALQQIRSSEVIP TMIRVYDPEETQLSFAWKPSKGAVSEFTSAMVKKYLHYIRSFDFKNVCLSIIGFEGPKKVVDFHRTSVFD ILSKNAAFGLGSAPGKTWAEKRYDLPYIRDFLLDHNMWVDVAETTVSYANLQTLWKDAKQTFVKHF KDQGIPAWICAHISHTYTNGVCLYFIFASKQNENKDMAQYIEAKKLMTDIIFKYGGSLSHHHGVGYEH VPWMTRYATRGWINVYRSLKETIDPKDICNPRKLI 000000000000000000000000000000000000000000000000000000000001111111111000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000111111000000000000000 000000000000000000000000000000000000000000000000000000000000000001111000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000111110000000 00000000000000111111111111111111110000000000000000000000011

>DM\_train128 PVFSADPGAPAPVNPCCYYPCQHQGICVRFGLDRYQCDCTRTGYSGPNCTIPEIWTWLRTTLRPSPS FIHFLLTHGRWLWDFVNATFIRDTLMRLVLTVRSNLIPSPPTYNIAHDYISWESFSNVSYYTRILPSVPR DCPTPMGTKGKKQLPDAEFLSRRFLLRRKFIPDPQGTNLMFAFFAQHFTHQFFKTSGKMGPGFTKAL GHGVDLGHIYGDNLERQYQLRLFKDGKLKYQMLNGEVYPPSVEEAPVLMHYPRGIPPQSQMAVGQ EVFGLLPGLMLYATIWLREHNRVCDLLKAEHPTWGDEQLFQTARLILIGETIKIVIEEYVQQLSGYFLQLK FDPELLFGAQFQYRNRIAMEFNQLYHWHPLMPDSFRVGPQDYSYEQFLFNTSMLVDYGVEALVDAF SRQPAGRIGGGRNIDHHILHVAVDVIKESRVLRLQPFNEYRKRFGMKPYTSFQELTGEKEMAAELEELY GDIDALEFYPGLLLEKCHPNSIFGESMIEMGAPFSLKGLLGNPICSPEYWKASTFGGEVGFNLVKTATLK KLVCLNTKTCPYVSFHVPDPRQEDRPGVERPPTEL 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000011111111111111111

>DM\_train129 MVSKIRTFGWVQNPGKFENLKRVVQVFDRNSKVHNEVKNIKIPTLVKESKIQKELVAIMNQHDLIYTY KELVGTGTSIRSEAPCDAIIQATIADQGNKKGYIDNWSSDGFLRWAHALGFIEYINKSDSFVITDVGLAY SKSADGSAIEKEILIEAISSYPPAIRILTLLEDGQHLTKFDLGKNLGFSGESGFTSLPEGILLDTLANAMPKD KGEIRNNWEGSSDKYARMIGGWLDKLGLVKQGKKEFIIPTLGKPDNKEFISHAFKITGEGLKVLRRAKG STKFTRVPKRVYWEMLATNLTDKEYVRTRRALILEILIKAGSLKIEQIQDNLKKLGFDEVIETIENDIKGLIN TGIFIEIKGRFYQLKDHILQFVIPNRLGKPDLVKSELEEKKSELRHKLKYVPHEYIELIEIARNSTQDRILEMK VMEFFMKVYGYRGKHLGGSRKPDGAIYTVGSPIDYGVIVDTKAYSGGYNLPIGQADEMQRYVEENQT RNKHINPNEWWKVYPSSVTEFKFLFVSGHFKGNYKAQLTRLNHITNCNGAVLSVEELLIGGEMIKAGT LTLEEVRRKFNNGEINF

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>DM\_train130 SMSYTWTGALITPCAAEESKLPINALSNSLLRHHNMVYATTSRSAGLRQKKVTFDRLQVLDDHYRDV LKEMKAKASTVKAKLLSVEEACKLTPPHSAKSKFGYGAKDVRNLSSKAVNHIHSVWKDLLEDTVTPIDT TIMAKNEVFCVQPEKGGRKPARLIVFPDLGVRVCEKMALYDVVSTLPQVVMGSSYGFQYSPGQRVEF LVNTWKSKKNPMGFSYDTRCFDSTVTENDIRVEESIYQCCDLAPEARQAIKSLTERLYIGGPLTNSKGQ NCGYRRCRASGVLTTSCGNTLTCYLKASAACRAAKLQDCTMLVNGDDLVVICESAGTQEDAASLRV FTEAMTRYSAPPGDPPQPEYDLELITSCSSNVSVAHDASGKRVYYLTRDPTTPLARAAWETARHTPVN SWLGNIIMYAPTLWARMILMTHFFSILLAQEQLEKALDCQIYGACYSIEPLDLPQIIERLHGLSAFSLHSY SPGEINRVASCLRKLGVPPLRVWRHRARSVRARLLSQGGRAATCGKYLFNWAVKTKLKLTPIPAASQL DLSGWFVAGYSGGDIYHSLSRARPRGSHHHHHH 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000011100000000001111111111111111111111

>DM\_train131 GSNQSSSTSTKKLKAGNFDVAYQNPDKAIKGGNLKVAYQSDSPMKAQWLSGLSNDATFATMSGPG GGQDGLFFTDSGFKFIKGGAADVALDKESKTATITLRKDLKWSDGSEVTAKDYEFTYETIANPAYGSDR WTDSLANIVGLSDYHTGKAKTISGITFPDGENGKVIKVQFKEMKPGMTQSGNGYFLETVAPYQYLKD VAPKDLASSPKTTTKPLVTGPFKPENVVAGESIKYVPNPYYWGEKPKLNSITYEVVSTAKSVAALSSSKY DIINGMVSSQYKQVKNLKGYKVLGQQAMYISLMYYNLGHYDAKNSINVQDRKTPLQDQNVRQAIG YARNVAEVDNKFSNGLSTPANSLIPPIFKQFTSSSVKGYEKQDLDKANKLLDEDGWKLNKSTGYREKD GKELSLVYAARVGDANAETIAQNYIQQWKKIGVKVSLYNGKLMEFNSWVDHMTTPPGANDWDITD GSWSLASEPSQQDLFSAAAPYNFGHFNDSEITKDLNDIDSAKSENPTYRKAAFVKYQEDMNKKAYVI PTNFMLNYTPVNKRVVGMTLDYGAMNTWSEIGVSSAKLATK 111111111111111111111111111111000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000011111111

>DM\_train132 MKHMPRKMYSCAFETTTKVEDCRVWAYGYMNIEDHSEYKIGNSLDEFMAWVLKVQADLYFHNLKF AGAFIINWLERNGFKWSADGLPNTYNTIISRMGQWYMIDICLGYKGKRKIHTVIYDSLKKLPFPVKKIAK DFKLTVLKGDIDYHKERPVGYKITPEEYAYIKNDIQIIAEALLIQFKQGLDRMTAGSDSLKGFKDIITTKKF KKVFPTLSLGLDKEVRYAYRGGFTWLNDRFKEKEIGEGMVFDVNSLYPAQMYSRLLPYGEPIVFEGKYV WDEDYPLHIQHIRCEFELKEGYIPTIQIKRSRFYKGNEYLKSSGGEIADLWLSNVDLELMKEHYDLYNVE YISGLKFKATTGLFKDFIDKWTYIKTTSEGAIKQLAKLMLNSLYGKFASNPDVTGKVPYLKENGALGFRL GEEETKDPVYTPMGVFITAWARYTTITAAQACYDRIIYCDTDSIHLTGTEIPDVIKDIVDPKKLGYWAHE STFKRAKYLRQKTYIQDIYMKEVDGKLVEGSPDDYTDIKFSVKCAGMTDKIKKEVTFENFKVGFSRKMK PKPVQVPGGVVLVDDTFTIK 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000011111111100000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000

>DM\_train133 HGTTANTHCGADFCTWWHDSGEINTQTPVQPGNVRQSHKYSVQVSLAGTNNFHDSFVYESIPRN GNGRIYAPTDPPNSNTLDSSVDDGISIEPSIGLNMAWSQFEYSHDVDVKILATDGSSLGSPSDVVIRPV SISYAISQSDDGGIVIRVPADANGRKFSVEFKTDLYTFLSDGNEYVTSGGSVVGVEPTNALVIFASPFLPS GMIPHMTPDNTQTMTPGPINNGDWGAKSILYFPPGVYWMNQDQSGNSGKLGSNHIRLNSNTYW VYLAPGAYVKGAIEYFTKQNFYATGHGILSGENYVYQANAGDNYIAVKSDSTSLRMWWHNNLGGG QTWYCVGPTINAPPFNTMDFNGNSGISSQISDYKQVGAFFFQTDGPEIYPNSVVHDVFWHVNDDAI KIYYSGASVSRATIWKCHNDPIIQMGWTSRDISGVTIDTLNVIHTRYIKSETVVPSAIIGASPFYASGMSP DSRKSISMTVSNVVCEGLCPSLFRITPLQNYKNFVVKNVAFPDGLQTNSIGTGESIIPAASGLTMGLAIS AWTIGGQKVTMENFQANSLGQFNIDGSYWGEWQIS 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000

>DM\_train137 SNISRQAYADMFGPTVGDKVRLADTELWIEVEDDLTTYGEEVKFGGGKVIRDGMGQGQMLAADCV DLVLTNALIVDHWGIVKADIGVKDGRIFAIGKAGNPDIQPNVTIPIGAATEVIAAEGKIVTAGGIDTHIH WICPQQAEEALVSGVTTMVGGGTGPAAGTHATTCTPGPWYISRMLQAADSLPVNIGLLGKGNVSQ PDALREQVAAGVIGLCIHEDWGATPAAIDCALTVADEMDIQVALHSDTLNESGFVEDTLAAIGGRTIH TFHTEGAGGGHAPDIITACAHPNILPSSTNPTLPYTLNTIDEHLDMLMVAHHLDPDIAEDVAFAESRIR RETIAAEDVLHDLGAFSLTSSDSQAMGRVGEVILRTWQVAHRMKVQRGALAEETGDNDNFRVKRYI AKYTINPALTHGIAHEVGSIEVGKLADLVVWSPAFFGVKPATVIKGGMIAIAPMGDINASIPTPQPVHY



>DM\_train138 GHMNIESTLNSVASVKDLANEASKYEIILQKGINQVGLKQYTQVVHKLDDMLEDIQSGQANREENSE FHGILTHLEQLIKRSEAQLRVYFISILNSIKPFDPQINITKKMPFPYYEDQQLGALSWILDYFHGNSEGSII QDILVGERSKLILKCMAFLEPFAKEISTAKNAPYEKGSSGMNSYTEALLGFIANEKSLVDDLYSQYTESKP HVLSQILSPLISAYAKLFGANLKIVRSNLENFGFFSFELVESINDVKKSLRGKELQNYNLLQDCTQEVRQ VTQSLFRDAIDRIIKKANSISTIPSNNGVTEATVDTMSRLRKFSEYKNGCLGAMDNITRENWLPSNYKE KEYTLQNEALNWEDHNVLLSCFISDCIDTLAVNLERKAQIALMPNQEPDVANPNSSKNKHKQRIGFFI LMNLTLVEQIVEKSELNLMLAGEGHSRLERLKKRYISYMVSDWRDLTANLMDSVFIDSSGKKSKDKEQI KEKFRKFNEGFEDLVSKTKQYKLSDPSLKVTLKSEIISLVMPMYERFYSRYKDSFKNPRKHIKYTPDELTTV LNQLVR 111111100000000000000000000000000000000000000000000000000111100000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000111111111111000000000000000000000000000000000000000000000000000 000000000001111100000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000011110000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000

>DM\_train140 MTTAARRPAPTTAGAGWDAGVGALVNPSRRRGGTLRLVSSADVDSLDPARTYYVWVWLLQRLLNR TLMAYPTDPGPAGLVPAPDLAEGPGEVSDGGRTWTYRLRRGLRYDDGTPITSDDVRHAVQRVFAQD VLPGGPTYLIPLLDDPERPYPGPYRTDEPLRSVLTPDEHTIVFRLTRPFSDFDHLMAQPCAAPVPRRSDT GADYGRDPRSSGPYRVARHEPDTLLHLERNPHWDRATDPIRPALPDRVELTIGLDVDVLDARLIAGEF DINLEGRGLQHAAQRRATADEVLRSHTDNPRTSFLHFVAMQPHIPPFDNVHVRRAVQYAADKILLQ DARGGPVNGGDLTTALFPPTLPAHQDLDLYPTGPDLRGDLDAARAELAAAGLPDGFRAVIGTQRGK FRLVADAVVESLARVGIELTVKELDVATYFSLGAGHPETVREHGLGLLVTDWGADFPTEYGFLAPLVD GRQIKRNGGNWNLPELDDPEVNALIDETLHTTDPAARAELWRAVERRVMEHAVLLPLVHDKTLHFR NPWVTNVYVHPAFGLYDIQAMGLAEED 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train141 STGPVAPLPTPPNFPNDIALFQQAYQNWSKEIMLDATWVCSPKTPQDVVRLANWAHEHDYKIRPRG AMAGWTPLTVEKGANVEKVILADTMTHLNGITVNTGGPVATVTAGAGASIEAIVTELQKHDLGWAN LPAPGVLSIGGALAVNAHGAALPAVGQTTLPGHTYGSLSNLVTELTAVVWNGTTYALETYQRNDPRI TPLLTNLGRCFLTSVTMQAGPNFRQRCQSYTDIPWRELFAPKGADGRTFEKFVAESGGAEAIWYPFTE KPWMKVWTVSPTKPDSSNEVGSLGSAGSLVGKPPQAREVSGPYNYIFSDNLPEPITDMIGAINAGNP GIAPLFGPAMYEITKLGLAATNANDIWGWSKDVQFYIKATTLRLTEGGGAVVTSRANIATVINDFTEW FHERIEFYRAKGEFPLNGPVEIRCCGLDQAADVKVPSVGPPTISATRPRPDHPDWDVAIWLNVLGVPG TPGMFEFYREMEQWMRSHYNNDDATFRPEWSKGWAFGPDPYTDNDIVTNKMRATYIEGVPTTEN WDTARARYNQIDPHRVFTNGFMDKLLP 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000011111111111111111111000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000

>DM\_train142 YDPDQYSIEADKKFKYSVKLSDYPTLQDAASAAVDGLLIDRDYNFYGGETVDFGGKVLTIECKAKFIGD GNLIFTKLGKGSRIAGVFMESTTTPWVIKPWTDDNQWLTDAAAVVATLKQSKTDGYQPTVSDYVKFP GIETLLPPNAKGQNITSTLEIRECIGVEVHRASGLMAGFLFRGCHFCKMVDANNPSGGKDGIITFENLS GDWGKGNYVIGGRTSYGSVSSAQFLRNNGGFERDGGVIGFTSYRAGGSGVKTWQGTVGSTTSRNY NLQFRDSVVIYPVWDGFDLGADTDMNPELDRPGDYPITQYPLHQLPLNHLIDNLLVRGALGVGFGM DGKGMYVSNITVEDCAGSGAYLLTHESVFTNIAIIDTNTKDFQANQIYISGACRVNGLRLIGIRSTDGQ SLTIDAPNSTVSGITGMVDPSRINVANLAEEGLGNIRANSFGYDSAAIKLRIHKLSKTLDSGALYSHING GAGSGSAYTQLTAISGSTPDAVSLKVNHKDCRGAEIPFVPDIASDDFIKDSSCFLPYWENNSTSLKALV KKPNGELVRLTLATL 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000001111110 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000011111000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000

>DM\_train143 MTTANTPVRPKSAIDAVADAYTEKLIELNPSFATTLGLPGHETEYQDYSPAGAAAHAEATRLALEALA GLEPSDDVDAVTLDAMRERLGLELEIHQSGWDAADLNNIASPAQDIRAIFDLMPTDTVEHWEHIAGR AANVPGAIEGYIASLRAAKDDRKVAAARQIRIVIEQTGRYAAEDGFFAKMAADASLGDAPLPAEVQD KLDAGTSAARSAYSALGAFLRDELLPVAPEKDAVGRERYSLASRSFIGAEVDLEETYAWGVQELERLISE QEKVAGQIKPGASIEEAKSILNNDPARQIKGTDALKAWMQELSDRAVSELADVHFDIPDVMKTLECMI

APTDEGGIYYTGPSDDFSRPGRMWWSVPAGEDTFTTWSETTTVFHEGVPGHHLQVATATYRRELLN NWRRNVCWVSGHGEGWALYAEQLMLELGYLKDPGDHMGMLDGQRMRAARVVFDIGVHLELPVP ERWGTGTWTPEKGFDFLKANLDISEGQLQFEFTRYLGWPGQAPSYKVGQRLWEQIRAELESREGFDL KSFHSKALNIGSVGLDVLRRALL

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>DM\_train144 MSKVPSDIEIAQAAKMKPVMELARGLGIQEDEVELYGKYKAKISLDVYRRLKDKPDGKLILVTAITPTPA GEGKTTTSVGLTDALARLGKRVMVCLREPSLGPSFGIKGGAAGGGYAQVVPMEDINLHFTGDIHAVT YAHNLLAAMVDNHLQQGNVLNIDPRTITWRRVIDLNERALRNIVIGLGGKANGVPRETGFDISVASE VMACLCLASDLMDLKERFSRKVVGYTYDGKPVTAGDLEAQGSMALLMKDAIKPNLVQTLENTPAFIH GGPFANIAHGCNSIIATKTALKLADYVVTEAGFGADLGAEKFYDVKCRYAGFKPDATVIVATVRALKM HGGVPKSDLATENLEALREGFANLEKHIENIGKFGVPAVVAINAFPTDTEAELNLLYELCAKAGAEVAL SWAKGGEGGLELARKVLQTLESRPSNFHVLYNLDLSIKDKIAKIATEIYGADGVNYTAEADKAIQRYESL GYGNLPVVMAKTQYSFSDDMTKLGRPRNFTITVREVRLSAGGRLIVPITGAIMTMPGLPKRPAACNIDI DADGVITGLF 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000

>DM\_train145 MSVSAFNRRWAAVILEALTRHGVRHICIAPGSRSTLLTLAAAENSAFIHHTHFDERGLGHLALGLAKVS KQPVAVIVTSGTAVANLYPALIEAGLTGEKLILLTADRPPELIDCGANQAIRQPGMFASHPTHSISLPRP TQDIPARWLVSTIDHALGTLHAGGVHINCPFAEPLYGEMDDTGLSWQQRLGDWWQDDKPWLREA PRLESEKQRDWFFWRQKRGVVVAGRMSAEEGKKVALWAQTLGWPLIGDVLSQTGQPLPCADLWL GNAKATSELQQAQIVVQLGSSLTGKRLLQWQASCEPEEYWIVDDIEGRLDPAHHRGRRLIANIADWL ELHPAEKRQPWCVEIPRLAEQAMQAVIARRDAFGEAQLAHRICDYLPEQGQLFVGNSLVVRLIDALS QLPAGYPVYSNRGASGIDGLLSTAAGVQRASGKPTLAIVGDLSALYDLNALALLRQVSAPLVLIVVNN NGGQIFSLLPTPQSERERFYLMPQNVHFEHAAAMFELKYHRPQNWQELETAFADAWRTPTTTVIEM VVNDTDGAQTLQQLLAQVSHL 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000110000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train146 MKRSKRFAVLAQRPVNQDGLIGEWPEEGLIAMDSPFDPVSSVKVDNGLIVELDGKRRDQFDMIDRFI ADYAINVERTEQAMRLEAVEIARMLVDIHVSREEIIAITTAITPAKAVEVMAQMNVVEMMMALQKMR ARRTPSNQCHVTNLKDNPVQIAADAAEAGIRGFSEQETTVGIARYAPFNALALLVGSQCGRPGVLTQ CSVEEATELELGMRGLTSYAETVSVYGTEAVFTDGDDTPWSKAFLASAYASRGLKMRYTSGTGSEAL MGYSESKSMLYLESRCIFITKGAGVQGLQNGAVSCIGMTGAVPSGIRAVLAENLIASMLDLEVASAND QTFSHSDIRRTARTLMQMLPGTDFIFSGYSAVPNYDNMFAGSNFDAEDFDDYNILQRDLMVDGGLR PVTEAETIAIRQKAARAIQAVFRELGLPPIADEEVEAATYAHGSNEMPPRNVVEDLSAVEEMMKRNIT GLDIVGALSRSGFEDIASNILNMLRQRVTGDYLQTSAILDRQFEVVSAVNDINDYQGPGTGYRISAER WAEIKNIPGVVQPDTIE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000111

>DM\_train147 ANFNVPKLGVFPVAAVFDIDNVPEDSSATGSRWLPSIYQGGNYWGGGPQALHAQVSNFDSSNRLP YNPRTENNPAGNCAFAFNPFGQYISNISSAQSVHRRIYGIDLNDEPLFSPNAASITNGGNPTMSQDT GYHNIGPINTAYKAEIFRPVNPLPMSDTAPDPETLEPGQTEPLIKSDGVYSNSGIASFIFDRPVTEPNPN WPPLPPPVIPIIYPTPALGIGAAAAYGFGYQVTVYRWEEIPVEFIADPETCPAQPTTDKVIIRTTDLNPEG SPCAYEAGIILVRQTSNPMNAVAGRLVPYVEDIAVDIFLTGKFFTLNPPLRITNNYFADDEVKENTVTIG NYTTTLSSAYYAVYKTDGYGGATCFIASGGAGISALVQLQDNSVLDVLYYSLPLSLGGSKAAIDEWVA NNCGLFPMSGGLDKTTLLEIPRRQLEAINPQDGPGQYDLFILDDSGAYASFSSFIGYPEAAYYVAGAAT FMDVENPDEIIFILRNGAGWYACEIGDALKIADDEFDSVDYFAYRGGVMFIGSARYTEGGDPLPIKYRAI IPGLP 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000111111111111111111111100000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000

>DM\_train148 MNTSLFKQERQKYIPKLPNILKKDFNNISLVYGENTEAIQDRQALKEFFKNTYGLPIISFTEGESSLSFSKA LNIGIILSGGPAPGGHNVISGVFDAIKKFNPNSKLFGFKGGPLGLLENDKIELTESLINSYRNTGGFDIVSS GRTKIETEEHYNKALFVAKENNLNAIIIIGGDDSNTNAAILAEYFKKNGENIQVIGVPKTIDADLRNDHIE

ISFGFDSATKIYSELIGNLCRDAMSTKKYWHFVKLMGRSASHVALECALKTHPNICIVSEEVLAKKKTLSE IIDEMVSVILKRSLNGDNFGVVIVPEGLIEFIPEVKSLMLELCDIFDKNEGEFKGLNIEKMKEIFVAKLSDY MKGVYLSLPLFIQFELIKSILERDPHGNFNVSRVPTEKLFIEMIQSRLNDMKKRGEYKGSFTPVDHFFGYE GRSAFPSNFDSDYCYSLGYNAVVLILNGLTGYMSCIKNLNLKPTDWIAGGVPLTMLMNMEERYGEKK PVIKKALVDLEGRPFKEFVKNRDKWALNNLYLYPGPVQYFGSSEIVDEITETLKLELFK 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000001111111111100000000000000000000000000000000 000001111111111000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000

>DM\_train149 GSHMPVVHVIDVESGNLQSLTNAIEHLGYEVQLVKSPKDFNISGTSRLILPGVGNYGHFVDNLFNRGF EKPIREYIESGKPIMGICVGLQALFAGSVESPKSTGLNYIDFKLSRFDDSEKPVPEIGWNSCIPSENLFFGL DPYKRYYFVHSFAAILNSEKKKNLENDGWKIAKAKYGSEEFIAAVNKNNIFATQFHPEKSGKAGLNVIE NFLKQQSPPIPNYSAEEKELLMNDYSNYGLTRRIIACLDVRTNDQGDLVVTKGDQYDVREKSDGKGV RNLGKPVQLAQKYYQQGADEVTFLNITSFRDCPLKDTPMLEVLKQAAKTVFVPLTVGGGIKDIVDVD GTKIPALEVASLYFRSGADKVSIGTDAVYAAEKYYELGNRGDGTSPIETISKAYGAQAVVISVDPKRVYV NSQADTKNKVFETEYPGPNGEKYCWYQCTIKGGRESRDLGVWELTRACEALGAGEILLNCIDKDGSN SGYDLELIEHVKDAVKIPVIASSGAGVPEHFEEAFLKTRADACLGAGMFHRGEFTVNDVKEYLLEHGLK VRMDEE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000011111111111111111110000000000000000000000 000111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000

>DM\_train151 MGDYDIPTTENLYFQGMTDLNKLVKELNDLGLTDVKEIVYNPSYEQLFEEETKPGLEGFDKGTLTTLGA VAVDTGIFTGRSPKDKYIVCDETTKDTVWWNSEAAKNDNKPMTQETWKSLRELVAKQLSGKRLFVVE GYCGASEKHRIGVRMVTEVAWQAHFVKNMFIRPTDEELKNFKADFTVLNGAKCTNPNWKEQGLNS ENFVAFNITEGIQLIGGTWYGGEMKKGMFSMMNYFLPLKGVASMHCSANVGKDGDVAIFFGLSGTG KTTLSTDPKRQLIGDDEHGWDESGVFNFEGGCYAKTINLSQENEPDIYGAIRRDALLENVVVRADGSV DFDDGSKTENTRVSYPIYHIDNIVRPVSKAGHATKVIFLTADAFGVLPPVSKLTPEQTEYYFLSGFTAKLA GTERGVTEPTPTFSACFGAAFLSLHPIQYADVLVERMKASGAEAYLVNTGWNGTGKRISIKDTRGIIDAI LDGSIEKAEMGELPIFNLAIPKALPGVDPAILDPRDTYADKAQWQVKAEDLANRFVKNFVKYTANPEA AKLVGAGPKA 111111111111111111000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train152 MSALLLKPHKDLPRRTVLIVVMDGLGIGPEDDYDAVHMASTPFMDAHRRDNRHFRCVRAHGTAVG LPTDADMGNSEVGHNALGAGRVALQGASLVDDAIKSGEIYTGEGYRYLHGAFSKEGSTLHLIGLLSDG GVHSRDNQIYSIIEHAVKDGAKRIRVHALYDGRDVPDGSSFRFTDELEAVLAKVRQNGCDAAIASGG GRMFVTMDRYDADWSIVERGWRAQVLGDARHFHSAKEAITTFREEDPKVTDQYYPPFIVVDEQDKP LGTIEDGDAVLCVNFRGDRVIEMTRAFEDEDFNKFDRVRVPKVRYAGMMRYDGDLGIPNNFLVPPPK LTRVSEEYLCGSGLNIFACSETQKFGHVTYFWNGNRSGKIDEKHETFKEVPSDRVQFNEKPRMQSAAI TEAAIEALKSGMYNVVRINFPNGDMVGHTGDLKATITGVEAVDESLAKLKDAVDSVNGVYIVTADHG NSDDMAQRDKKGKPMKDGNGNVLPLTSHTLSPVPVFIGGAGLDPRVAMRTDLPAAGLANVTATFI NLLGFEAPEDYEPSLIYVEK 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000001

>DM\_train153 MSDMEKPWKEEEKREVLAGHARRQAPQAVDKGPVTGDQRISVTVVLRRQRGDELEAHVERQAALA PHARVHLEREAFAASHGASLDDFAEIRKFAEAHGLTLDRAHVAAGTAVLSGPVDAVNQAFGVELRHF DHPDGSYRSYVGDVRVPASIAPLIEAVLGLDTRPVARPHFRLRRRAEGEFEARSQSAAPTAYTPLDVA QAYQFPEGLDGQGQCIAIIELGGGYDETSLAQYFASLGVSAPQVVSVSVDGATNQPTGDPNGPDGE VELDIEVAGALAPGAKIAVYFAPNTDAGFLNAITTAVHDPTHKPSIVSISWGGPEDSWAPASIAAMNR AFLDAAALGVTVLAAAGDSGSTDGEQDGLYHVDFPAASPYVLACGGTRLVASAGRIERETVWNDGP DGGSTGGGVSRIFPLPSWQERANVPPSANPGAGSGRGVPDVAGNADPATGYEVVIDGETTVIGGTA AVAPLFAALVARINQKLGKPVGYLNPTLYQLPPEVFHDITEGNNDIANRARIYQAGPGWDPCTGLGS PIGIRLLQALLPSASQAQP 111111111110000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000001111111

>DM\_train154 MKRREVLQAGMALGGLAGLGRALAQGGFTLTLVHTNDTHAHLEPVELTLSGEKTPVGGVARRVALF DRVWARAKNPLFLDAGDVFQGTLYFNQYRGLADRYFMHRLRYRAMALGNHEFDLGPGPLADFLKG

ARFKVVSANVDASREPRLKGLFAPYAVVVVGGERVGIIGLTTPDTREISNPGPTVAFLDPYESAQKAVY ELLAKGVNKIVVLSHLGYGEDLKLARRLVGVQVIVGGHSHTLLGSFPHKELSPAGPYPTVVKNPEGKDV LVVQAWEWGKVVGLLEVTFDAKGELLAYKGEALLMTPEAAPEDFFAKEALLAYAQPVMALMQQVIA EAKVDLVGERAVVRRRESNLGNLITDGMLWKTRNAGTQIALQNGGGIRASIPKGPITVGKVYEVLPFG NTLVVMDLKGKEILAALENGVSQWENTAGRFLQVSGLRYAFDLSRPAGSRVVRVEVKTEKGYVPLDL EATYRVVVNNFIANGGDGFTVLKEAQGYRVDTGFSDAESFMDYLKELKVVEAGLEGRIEVLNEPKGER PAYFAYRVPGLVGV

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>DM\_train155 MTQVAKKILVTCALPYANGSIHLGHMLEHIQADVWVRYQRMRGHEVNFICADDAHGTPIMLKAQQ LGITPEQMIGEMSQEHQTDFAGFNISYDNYHSTHSEENRQLSELIYSRLKENGFIKNRTISQLYDPEKG MFLPDRFVKGTCPKCKSPDQYGDNCEVCGATYSPTELIEPKSVVSGATPVMRDSEHFFFDLPSFSEML QAWTRSGALQEQVANKMQEWFESGLQQWDISRDAPYFGFEIPNAPGKYFYVWLDAPIGYMGSFK NLCDKRGDSVSFDEYWKKDSTAELYHFIGKDIVYFHSLFWPAMLEGSNFRKPSNLFVHGYVTVNGAK MSKSRGTFIKASTWLNHFDADSLRYYYTAKLSSRIDDIDLNLEDFVQRVNADIVNKVVNLASRNAGFI NKRFDGVLASELADPQLYKTFTDAAEVIGEAWESREFGKAVREIMALADLANRYVDEQAPWVVAKQ EGRDADLQAICSMGINLFRVLMTYLKPVLPKLTERAEAFLNTELTWDGIQQPLLGHKVNPFKALYNRI DMRQVEALVEASKEEV 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000

>DM\_train158 PTVSATPYDYIIVGAGPGGIIAADRLSEAGKKVLLLERGGPSTKQTGGTYVAPWATSSGLTKFDIPGLFE SLFTDSNPFWWCKDITVFAGCLVGGGTSVNGALYWYPNDGDFSSSVGWPSSWTNHAPYTSKLSSRL PSTDHPSTDGQRYLEQSFNVVSQLLKGQGYNQATINDNPNYKDHVFGYSAFDFLNGKRAGPVATYL QTALARPNFTFKTNVMVSNVVRNGSQILGVQTNDPTLGPNGFIPVTPKGRVILSAGAFGTSRILFQSGI GPTDMIQTVQSNPTAAAALPPQNQWINLPVGMNAQDNPSINLVFTHPSIDAYENWADVWSNPRP ADAAQYLANQSGVFAGASPKLNFWRAYSGSDGFTRYAQGTVRPGAASVNSSLPYNASQIFTITVYLS TGIQSRGRIGIDAALRGTVLTPPWLVNPVDKTVLLQALHDVVSNIGSIPGLTMITPDVTQTLEEYVDAY DPATMNSNHWVSSTTIGSSPQSAVVDSNVKVFGTNNLFIVDAGIIPHLPTGNPQGTLMSAAEQAAA KILALAGGP 111110000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train159 MHIDNIENLSDREFDYIVVGGGSAGAAVAARLSEDPAVSVALVEAGPDDRGVPEVLQLDRWMELLES GYDWDYPIEPQENGNSFMRHARAKVMGGCSSHNSCIAFWAPREDLDEWEAKYGATGWNAEAAW PLYKRLETNEDAGPDAPHHGDSGPVHLMNVPPKDPTGVALLDACEQAGIPRAKFNTGTTVVNGAN FFQINRRADGTRSSSSVSYIHPIVEQENFTLLTGLRARQLVFDADRRCTGVDIVDSAFGHTHRLTARNE VVLSTGAIDTPKLLMLSGIGPAAHLAEHGIEVLVDSPGVGEHLQDHPEGVVQFEAKQPMVAESTQW WEIGIFTPTEDGLDRPDLMMHYGSVPFDMNTLRHGYPTTENGFSLTPNVTHARSRGTVRLRSRDFRD KPMVDPRYFTDPEGHDMRVMVAGIRKAREIAAQPAMAEWTGRELSPGVEAQTDEELQDYIRKTHNT VYHPVGTVRMGAVEDEMSPLDPELRVKGVTGLRVADASVMPEHVTVNPNITVMMIGERCADLIRSA RAGETTTADAELSAALA 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 001111111111111111111

>DM\_train160 ASFPHRNLTWNDINFVHTTDTHGWYSGHINQPLYHANWGDFISFTTHMRRIAHSRNQDLLLIDSGD RHDGNGLSDITSPNGLKSTPIFIKQDYDLLTIGNHELYLWENSKQEYETVVNHFQDKYVCSNVDIRLD NGLFVPLGLKYKYFTTPIRGIRVMAFGFLFDFKRFNSGTRVTPMAETIHEPWFQEALKHEVDLIIIVGHTP ISHNWGEFYQVHQYLRQFFPDTIIQYFGGHSHIRDFTVFDSLSTGLQSGRYCETVGWTSVNLDKADL NLPVRQRFSRSYIDFNTDSFKYHTNLDKEFDTAKGKLVSKLIRETRKELKLDTLIGYVKTNYYVDYVPIDH PKSIFNLLALKILKTLPKSKHEERITIINTGSIRYDLYKGPYTIDSKFIVSPFENIWVNITVPKSVATKVAAKLN DADYISASRLKPPHQYDLQVQDLSTSPHQAHFEMQEKLPKGYVTHDDFGADGDDTLHRAVVNFPV PNVIQSVEINDEVDSPVNLVFYSFITPNIIWALKELNFSTEQVPTPYSDIYLGTLLNEFVANN 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000001100000000000000000011111111111 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000

>DM\_train161 MAAKEVKFNSDARDRMLKGVNILADAVKVTLGPKGRNVVIDKSFGAPRITKDGVSVAKEIELSDKFEN

MGAQMVREVASRTNDEAGDGTTTATVLAQAIVREGLKAVAAGMNPMDLKRGIDVATAKVVEAIKS AARPVNDSSEVAQVGTISANGESFIGQQIAEAMQRVGNEGVITVEENKGMETEVEVVEGMQFDRGY LSPYFVTNADKMIAELEDAYILLHEKKLSSLQPMVPLLESVIQSQKPLLIVAEDVEGEALATLVVNKLRG GLKIAAVKAPGFGDRRKAMLQDIAILTGGQVISEDLGMKLENVTIDMLGRAKKVSINKDNTTIVDGAG

EKAEIEARVSQIRQQIEETTSDYDREKLQERVAKLAGGVAVIRVGGMTEIEVKERKDRVDDALNATRAA VQEGIVVGGGVALVQGAKVLEGLSGANSDQDAGIAIIRRALEAPMRQIAENAGVDGAVVAGKVRES SDKAFGFNAQTEEYGDMFKFGVIDPAKVVRTALEDAASVAGLLITTEAMIAEKPEPKAPAGGMPDMG GMGGMM

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>DM\_train163 ASYFIGVDVGTGSARAGVFDLQGRMVGQASREITMFKPKADFVEQSSENIWQAVCNAVRDAVNQA DINPIQVKGLGFDATCSLVVLDKEGNPLTVSPSGRNEQNVIVWMDHRAITQAERINATKHPVLEFVG GVISPEMQTPKLLWLKQHMPNTWSNVGHLFDLPDFLTWRATKDETRSLCSTVCKWTYLGHEDRWD PSYFKLVGLADLLDNNAAKIGATVKPMGAPLGHGLSQRAASEMGLIPGTAVSVSIIDAHAGTIGILGAS GVTGENANFDRRIALIGGTSTAHMAMSRSAHFISGIWGPYYSAILPEYWLNEGGQSATGALIDHIIQS HPCYPALLEQAKNKGETIYEALNYILRQMAGEPENIAFLTNDIHMLPYFHGNRSPRANPNLTGIITGLKL STTPEDMALRYLATIQALALGTRHIIETMNQNGYNIDTMMASGGGTKNPIFVQEHANATGCAMLLPE ESEAMLLGSAMMGTVAAGVFESLPEAMAAMSRIGKTVTPQTNKIKAYYDRKYRVFHQMYHDHMRY QALMQEG 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000011

>DM\_train164 MASWSHPQFEKGAETAVPNSSSVPGDPSSMRKKNVLLIVVDQWRADFVPHVLRADGKIDFLKTPNL DRLCREGVTFRNHVTTCVPAGPARASLLTGLYLMNHRAVQNTVPLDQRHLNLGKALRGVGYDPALI GYTTTVPDPRTTSPNDPRFRVLGDLMDGFHPVGAFEPNMEGYFGWVAQNGFDLPEHRPDIWLPEG EDAVAGATDRPSRIPKEFSDSTFFTERALTYLKGRDGKPFFLHLGYYRPHPPFVASAPYHAMYRPEDM PAPIRAANPDIEAAQHPLMKFYVDSIRRGSFFQGAEGSGATLDEAELRQMRATYCGLITEVDDCLGRV FSYLDETGQWDDTLIIFTSDHGEQLGDHHLLGKIGYNDPSFRIPLVIKDAGENARAGAIESGFTESIDVM PTILDWLGGKIPHACDGLSLLPFLSEGRPQDWRTELHYEYDFRDVYYSEPQSFLGLGMNDCSLCVIQD ERYKYVHFAALPPLFFDLRHDPNEFTNLADDPAYAALVRDYAQKALSWRLKHADRTLTHYRSGPEGL SERSH

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>DM\_train165 MAGQTTVDSRRQPPEEVDVLVVGAGFSGLYALYRLRELGRSVHVIETAGDVGGVWYWNRYPGARC DIESIEYCYSFSEEVLQEWNWTERYASQPEILRYINFVADKFDLRSGITFHTTVTAAAFDEATNTWTVDT NHGDRIRARYLIMASGQLSVPQLPNFPGLKDFAGNLYHTGNWPHEPVDFSGQRVGVIGTGSSGIQV SPQIAKQAAELFVFQRTPHFAVPARNAPLDPEFLADLKKRYAEFREESRNTPGGTHRYQGPKSALEVS DEELVETLERYWQEGGPDILAAYRDILRDRDANERVAEFIRNKIRNTVRDPEVAERLVPKGYPFGTKRLI LEIDYYEMFNRDNVHLVDTLSAPIETITPRGVRTSEREYELDSLVLATGFDALTGALFKIDIRGVGNVALK EKWAAGPRTYLGLSTAGFPNLFFIAGPGSPSALSNMLVSIEQHVEWVTDHIAYMFKNGLTRSEAVLEK EDEWVEHVNEIADETLYPMTASWYTGANVPGKPRVFMLYVGGFHRYRQICDEVAAKGYEGFVLT 111111111000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000

>DM\_train166 ALEEAPWPPPEGAFVGFVLSRKEPMWADLLALAAARGGRVHRAPEPYKALRDLKEARGLLAKDLSVL ALREGLGLPPGDDPMLLAYLLDPSNTTPEGVARRYGGEWTEEAGERAALSERLFANLWGRLEGEERLL WLYREVERPLSAVLAHMEATGVRLDVAYLRALSLEVAEEIARLEAEVFRLAGHPFNLNSRDQLERVLFD ELGLPAIGKTEKTGKRSTSAAVLEALREAHPIVEKILQYRELTKLKSTYIDPLPDLIHPRTGRLHTRFNQTA TATGRLSSSDPNLQNIPVRTPLGQRIRRAFIAEEGWLLVALDYSQIELRVLAHLSGDENLIRVFQEGRDI HTETASWMFGVPREAVDPLMRRAAKTINFGVLYGMSAHRLSQELAIPYEEAQAFIERYFQSFPKVRA WIEKTLEEGRRRGYVETLFGRRRYVPDLEARVKSVREAAERMAFNMPVQGTAADLMKLAMVKLFPRL EEMGARMLLQVHDELVLEAPKERAEAVARLAKEVMEGVYPLAVPLEVEVGIGEDWLSAKE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000011111111111111100 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000

>DM\_train168 MNKPIKNIVIVGGGTAGWMAASYLVRALQQQANITLIESAAIPRIGVGEATIPSLQKVFFDFLGIPERE

WMPQVNGAFKAAIKFVNWRKSPDPSRDDHFYHLFGNVPNCDGVPLTHYWLRKREQGFQQPMEY ACYPQPGALDGKLAPCLSDGTRQMSHAWHFDAHLVADFLKRWAVERGVNRVVDEVVDVRLNNR GYISNLLTKEGRTLEADLFIDCSGMRGLLINQALKEPFIDMSDYLLCDSAVASAVPNDDARDGVEPYTS SIAMNSGWTWKIPMLGRFGSGYVFSSHFTSRDQATADFLKLWGLSDNQPLNQIKFRVGRNKRAWV NNCVSIGLSSCFLEPLESTGIYFIYAALYQLVKHFPDTSFDPRLSDAFNAEIVHMFDDCRDFVQAHYFTT

SRDDTPFWLANRHDLRLSDAIKEKVQRYKAGLPLTTTSFDDSTYYETFDYEFKNFWLNGNYYCIFAGL GMLPDRSLPLLQHRPESIEKAEAMFASIRREAERLRTSLPTNYDYLRSLRDGDAGLSRGQRGPKLAAQE

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>DM\_train169 MSSQKVFGITGPVSTVGATAAENKLNDSLIQELKKEGSFETEQETANRVQVLKILQELAQRFVYEVSKK KNMSDGMARDAGGKIFTYGSYRLGVHGPGSDIDTLVVVPKHVTREDFFTVFDSLLRERKELDEIAPVP DAFVPIIKIKFSGISIDLICARLDQPQVPLSLTLSDKNLLRNLDEKDLRALNGTRVTDEILELVPKPNVFRIA LRAIKLWAQRRAVYANIFGFPGGVAWAMLVARICQLYPNACSAVILNRFFIILSEWNWPQPVILKPIED GPLQVRVWNPKIYAQDRSHRMPVITPAYPSMCATHNITESTKKVILQEFVRGVQITNDIFSNKKSWA NLFEKNDFFFRYKFYLEITAYTRGSDEQHLKWSGLVESKVRLLVMKLEVLAGIKIAHPFTKPFESSYCCPT EDDYEMIQDKYGSHKTETALNALKLVTDENKEEESIKDAPKAYLSTMYIGLDFNIENKKEKVDIHIPCTEF VNLCRSFNEDYGDHKVFNLALRFVKGYDLPDEVFDENEKRPSKKSKRKN 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000011111111111100000000000 000000000000000000000000000000000000000000000000000000000000000000000000011 111111111111

>DM\_train170 MPSRVPKSIFYNQVGYLISGDKRFWIQAHEPQPFALRTPEGQAVFAGMTKPVGGNWYVGDFTALRV PGTYTLTVGTLEARVVIHRRAYRDVLEAMLRFFDYQLCGVVLPEDEAGPWAHGACHTSDAKVFGTER ALACPGGWHDAGDYGKYTVPAAKAVADLLLAHEYFPAALAHVRPMRSVHRAPHLPPALEVAREEIA WLLTMQDPATGGVYHKVTTPSFPPLDTRPEDDDAPLVLSPISYAATATFCAAMAHAALVYRPFDPAL SSCCADAARRAYAWLGAHEMQPFHNPDGILTGEYGDAELRDELLWASCALLRMTGDSAWARVCEP LLDLDLPWELGWADVALYGVMDYLRTPRAAVSDDVRNKVKSRLLRELDALAAMAESHPFGIPMRDD DFIWGSNMVLLNRAMAFLLAEGVGVLHPAAHTVAQRAADYLFGANPLGQCYVTGFGQRPVRHPH HRPSVADDVDHPVPGMVVGGPNRHLQDEIARAQLAGRPAMEAYIDHQDSYSTNEVAVYWNSPAV FVIAALLEARGR 111111000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train171 GADDVVDSSKSFVMENFSSYHGTKPGYVDSIQKGIQKPKSGTQGNYDDDWKGFYSTDNKYDAAGY SVDNENPLSGKAGGVVKVTYPGLTKVLALKVDNAETIKKELGLSLTEPLMEQVGTEEFIKRFGDGASRV VLSLPFAEGSSSVEYINNWEQAKALSVELEINFETRGKRGQDAMYEYMAQACAGNRVRRSVGSSLSCI NLDWDVIRDKTKTKIESLKEHGPIKNKMSESPNKTVSEEKAKQYLEEFHQTALEHPELSELKTVTGTNPV FAGANYAAWAVNVAQVIDSETADNLEKTTAALSILPGIGSVMGIADGAVHHNTEEIVAQSIALSSLM VAQAIPLVGELVDIGFAAYNFVESIINLFQVVHNSYNRPAYSPGHKTQPFLHDGYAVSWNTVEDSIIRT GFQGESGHDIKITAENTPLPIAGVLLPTIPGKLDVNKSKTHISVNGRKIRMRCRAIDGDVTFCRPKSPVY VGNGVHANLHVAFHRSSSEKIHSNEISSDSIGVLGYQKTVDHTKVNSKLSLFFEIKS 000000000000000000000000000000000000011111111110000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000011111111111100000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000

>DM\_train172 EETPVTPQPPDILLGPLFNDVQNAKLFPDQKTFADAVPNSDPLMILADYRMQQNQSGFDLRHFVNV NFTLPKEGEKYVPPEGQSLREHIDGLWPVLTRSTENTEKWDSLLPLPEPYVVPGGRFREVYYWDSYFT MLGLAESGHWDKVADMVANFAHEIDTYGHIPNGNRSYYLSRSQPPFFALMVELLAQHEGDAALKQ YLPQMQKEYAYWMDGVENLQAGQQEKRVVKLQDGTLLNRYWDDRDTPRPESWVEDIATAKSNP NRPATEIYRDLRSAAASGWDFSSRWMDNPQQLNTLRTTSIVPVDLNSLMFKMEKILARASKAAGDN AMANQYETLANARQKGIEKYLWNDQQGWYADYDLKSHKVRNQLTAAALFPLYVNAAAKDRANK MATATKTHLLQPGGLNTTSVKSGQQWDAPNGWAPLQWVATEGLQNYGQKEVAMDISWHFLTNV QHTYDREKKLVEKYDVSTTGTGGGGGEYPLQDGFGWTNGVTLKMLDLICPKEQPCDNVPATRPTVK SATTQPSTKEAQPTP 111111000000000000000000000000000000000000000000000000000000000000000000111 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000011111111 1111111111

>DM\_train174 MAQLGKLLKEQKYDRQLRLWGDHGQEALESAHVCLINATATGTEILKNLVLPGIGSFTIIDGNQVSGE

DAGNNFFLQRSSIGKNRAEAAMEFLQELNSDVSGSFVEESPENLLDNDPSFFCRFTVVVATQLPESTS LRLADVLWNSQIPLLICRTYGLVGYMRIIIKEHPVIESHPDNALEDLRLDKPFPELREHFQSYDLDHMEK KDHSHTPWIVIIAKYLAQWYSETNGRIPKTYKEKEDFRDLIRQGILKNENGAPEDEENFEEAIKNVNTAL NTTQIPSSIEDIFNDDRCINITKQTPSFWILARALKEFVAKEGQGNLPVRGTIPDMIADSGKYIKLQNVY REKAKKDAAAVGNHVAKLLQSIGQAPESISEKELKLLCSNSAFLRVVRCRSLAEEYGLDTINKDEIISSM DNPDNEIVLYLMLRAVDRFHKQQGRYPGVSNYQVEEDIGKLKSCLTGFLQEYGLSVMVKDDYVHEFC



>DM\_train175 SHMQSRELKTVSADCKKEAIEKCAQWVVRDCRPFSAVSGSGFIDMIKFFIKVKAEYGEHVNVEELLPSP ITLSRKVTSDAKEKKALIGREIKSAVEKDGASATIDLWTDNYIKRNFLGVTLHYHENNELRDLILGLKSLD FERSTAENIYKKLKAIFSQFNVEDLSSIKFVTDRGANVVKSLANNIRINCSSHLLSNVLENSFEETPELNM PILACKNIVKYFKKANLQHRLRSSLKSECPTRWNSTYTMLRSILDNWESVIQILSEAGETQRIVHINKSII QTMVNILDGFERIFKELQTCSSPSLCFVVPSILKVKEICSPDVGDVADIAKLKVNIIKNVRIIWEENLSIWH YTAFFFYPPALHMQQEKVAQIKEFCLSKMEDLELINRMSSFNELSATQLNQSDSNSHNSIDLTSHSKDI STTSFFFPQLTQNNSREPPVCPSDEFEFYRKEIVILSEDFKVMEWWNLNSKKYPKLSKLALSLLSIPASSA ASERTFSLAGNIITEKRNRIGQQTVDSLLFLNSFYKNFCK 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000111111111111111100000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000

>DM\_train177 MSSQVEHPAGGYKKLFETVEELSSPLTAHVTGRIPLWLTGSLLRCGPGLFEVGSEPFYHLFDGQALLHK FDFKEGHVTYHRRFIRTDAYVRAMTEKRIVITEFGTCAFPDPCKNIFSRFFSYFRGVEVTDNALVNIYPV GEDYYACTETNFITKVNPETLETIKQVDLCNYVSVNGATAHPHIENDGTVYNIGNCFGKNFSIAYNIVKI PPLQADKEDPISKSEIVVQFPCSDRFKPSYVHSFGLTPNYIVFVETPVKINLFKFLSSWSLWGANYMDCF ESNETMGVWLHIADKKRKKYINNKYRTSPFNLFHHINTYEDHEFLIVDLCCWKGFEFVYNYLYLANLRE NWEEVKKNARKAPQPEVRRYVLPLNIDKADTGKNLVTLPNTTATAILCSDETIWLEPEVLFSGPRQAFE FPQINYQKYGGKPYTYAYGLGLNHFVPDRLCKLNVKTKETWVWQEPDSYPSEPIFVSHPDALEEDDG VVLSVVVSPGAGQKPAYLLILNAKDLSEVARAEVEINIPVTFHGLFKKS 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000001111111111111111111000000000000000000000000 000000000000000000000000000000000000000000000001110000000000000000000000000

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>DM\_train179 MKPVKPPRINGRVPVLSAQEAVNYIPDEATLCVLGAGGGILEATTLITALADKYKQTQTPRNLSIISPTG LGDRADRGISPLAQEGLVKWALCGHWGQSPRISDLAEQNKIIAYNYPQGVLTQTLRAAAAHQPGIIS DIGIGTFVDPRQQGGKLNEVTKEDLIKLVEFDNKEYLYYKAIAPDIAFIRATTCDSEGYATFEDEVMYLD ALVIAQAVHNNGGIVMMQVQKMVKKATLHPKSVRIPGYLVDIVVVDPDQSQLYGGAPVNRFISGDF TLDDSTKLSLPLNQRKLVARRALFEMRKGAVGNVGVGIADGIGLVAREEGCADDFILTVETGPIGGITS QGIAFGANVNTRAILDMTSQFDFYHGGGLDVCYLSFAEVDQHGNVGVHKFNGKIMGTGGFIDISAT SKKIIFCGTLTAGSLKTEIADGKLNIVQEGRVKKFIRELPEITFSGKIALERGLDVRYITERAVFTLKEDGLHLI EIAPGVDLQKDILDKMDFTPVISPELKLMDERLFIDAAMGFVLPEAAH 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000111111000000000000000000 000000000000000000000000000000000000000000111110000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000011

>DM\_train181 MDNGTDSSTSKFVPEYRRTNFKNKGRFSADELRRRRDTQQVELRKAKRDEALAKRRNFIPPTDGADS DEEDESSVSADQQFYSQLQQELPQMTQQLNSDDMQEQLSATVKFRQILSREHRPPIDVVIQAGVVP RLVEFMRENQPEMLQLEAAWALTNIASGTSAQTKVVVDADAVPLFIQLLYTGSVEVKEQAIWALGNV AGDSTDYRDYVLQCNAMEPILGLFNSNKPSLIRTATWTLSNLCRGKKPQPDWSVVSQALPTLAKLIYS MDTETLVDACWAISYLSDGPQEAIQAVIDVRIPKRLVELLSHESTLVQTPALRAVGNIVTGNDLQTQV VINAGVLPALRLLLSSPKENIKKEACWTISNITAGNTEQIQAVIDANLIPPLVKLLEVAEYKTKKEACWAI SNASSGGLQRPDIIRYLVSQGCIKPLCDLLEIADNRIIEVTLDALENILKMGEADKEARGLNINENADFIE KAGGMEKIFNCQQNENDKIYEKAYKIIETYFGEEEDAVDETMAPQNAGNTFG 111111111110000000011111111111000000000000000000000000000011111111111111111 111111111110000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000011111111111 11111

>DM\_train183 STQTSRVTLVGEMLPAYNEILTPEALSFLKELHENFNERRIELLQKRMKKQQKIDAGEFPKFLEETKRIRE ADWTIAKLPKDLEDRRVEITGPVDRKMVINALNSGAHLFMADFEDSNSPTWENAIEGQINLRDAVKG TISHKNENGKEYRLNSKTAVLIVRPRGWHLEEKHMQVDGKNMSGSLVDFGLYFFHNAKALLEKGSGP YFYLPKMESYLEARLWNDVFVFAQKYIGIPNGTIKATVLLETIHASFEMDEILYELKDHSAGLNCGRWD

YIFSFLKAFRNHNEFLLPDRAQVTMTAPFMRAYSLKVIQTCHRRNAPAIGGMAAQIPIKNNPEANEAA FEKVRADKEREALDGHDGTWVAHPGLVPVAMEVFNHIMKTPNQIFRKREEIHVTEKDLLEVPVGTITE EGLRMNISVGIQYIASWLSGRGAAPIYNLMEDAATAEISRAQVWQWIRHEGGKLNDGRNITLELMEE LKEEELAKIEREIGKEAFKKGRFQEATTLFTNLVRNDEFVPFLTLPGYEIL 111110000000011000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000111111111111111111100000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000001000000000000000000000000000000 000

>DM\_train184 GCDLERYPLTDLSEETFWNSESNAELALTSLYRGSLTDGVEYNPSDWWSYHGMIMMEHLSDNAFDR RGENNPFFKISSGNLTADNAFIKRYWETSYKRIGYCNRFLVGIQNSSESEKKTRMIAEARFLRATQYFYL ASYFKNVPLVENVLTGEEANNVTKTSQADILKWCVTEFTAAAADLPRFSAIPAGEAGRACKQAALAFL GRTCMLQKDWKSGAKAFHDIMELGDNAINANYQELFYPSTGTSNKENIFYIQYLENYLGTGLPQHAL SAKDGGWSLVNPAADLYESYEFKDGTPFSYDDPRYDPSNLGKDRDPRLDYTIYYNGAIFMGTEYKMS PDYSAAKKEKLDYTSEASRTGFMMRKYFEESTPINDVQSANGLTPVIRYAEVLLGYLECLVEDNQTITQ GILDETINAVRGRASVNMPPVTEVTPAKLREIVRHERRIELAMEGIRYWDIMRWGIAHEVLSQKIWGA PYPGSTQYATTTKEVDPTGNYRWYVGKRAFRNPTDYTWPIPQSEQNINPNLRD 111111111111110000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 001

>DM\_train185 MADSRDPASDQMQHWKEQRAAQKADVLTTGAGNPVGDKLNVITVGPRGPLLVQDVVFTDEMAH FDRERIPERVVHAKGAGAFGYFEVTHDITKYSKAKVFEHIGKKTPIAVRFSTVAGESGSADTVRDPRGFA VKFYTEDGNWDLVGNNTPIFFIRDPILFPSFIHSQKRNPQTHLKDPDMVWDFWSLRPESLHQVSFLFS DRGIPDGHRHMNGYGSHTFKLVNANGEAVYCKFHYKTDQGIKNLSVEDAARLSQEDPDYGIRDLFN AIATGKYPSWTFYIQVMTFNQAETFPFNPFDLTKVWPHKDYPLIPVGKLVLNRNPVNYFAEVEQIAFD PSNMPPGIEASPDKMLQGRLFAYPDTHRHRLGPNYLHIPVNCPYRARVANYQRDGPMCMQDNQG GAPNYYPNSFGAPEQQPSALEHSIQYSGEVRRFNTANDDNVTQVRAFYVNVLNEEQRKRLCENIAG HLKDAQIFIQKKAVKNFTEVHPDYGSHIQALLDKYNAEKPKNAIHTFVQSGSHLAAREKANL 111111111111111111111110000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train187 SQIAVRTFHDIRAALLARRELALLDVREEDPFAQAHPLFAANLPLSRLELEIHARVPRRDTPITVYDDGE GLAPVAAQRLHDLGYSDVALLDGGLSGWRNAGGELFRDVNVPSKAFGELVEAERHTPSLAAEEVQA LLDARAEAVILDARRFDEYQTMSIPGGISVPGAELVLRVAELAPDPRTRVIVNCAGRTRSIIGTQSLLNA GIPNPVAALRNGTIGWTLAGQQLEHGQTRRFGAISQDTRKAAAQRARAVADRAGVERLDLAGLAQ WQDEHDRTTYLLDVRTPEEYEAGHLPGSRSTPGGQLVQETDHVASVRGARLVLVDDDGVRANMSA SWLAQMGWQVAVLDGLSEADFSERGAWSAPLPRQPRADTIDPTTLADWLGEPGTRVLDFTASANY AKRHIPGAAWVLRSQLKQALERLGTAERYVLTCGSSLLARFAVAEVQALSGKPVFLLDGGTSAWVAA GLPTEDGESLLASPRIDRYRRPYEGTDNPREAMQGYLDWEFGLVEQLGRDGTHGFFVI 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train188 MVAAPPAVGAAMPSLDFDTSVFNKEKVSLAGHEEYIVRGGRNLFPLLPEAFKGIKQIGVIGWGSQGP AQAQNLRDSLAEAKSDIVVKIGLRKGSKSFDEARAAGFTEESGTLGDIWETVSGSDLVLLLISDAAQAD NYEKIFSHMKPNSILGLSHGFLLGHLQSAGLDFPKNISVIAVCPKGMGPSVRRLYVQGKEINGAGINSS FAVHQDVDGRATDVALGWSVALGSPFTFATTLEQEYKSDIFGERGILLGAVHGIVEALFRRYTEQGMD EEMAYKNTVEGITGIISKTISKKGMLEVYNSLTEEGKKEFNKAYSASFYPCMDILYECYEDVASGSEIRSV VLAGRRFYEKEGLPAFPMGNIDQTRMWKVGEKVRSTRPENDLGPLHPFTAGVYVALMMAQIEVLRK KGHSYSEIINESVIESVDSLNPFMHARGVAFMVDNCSTTARLGSRKWAPRFDYILTQQAFVTVDKDAP INQDLISNFMSDPVHGAIEVCAELRPTVDISVPANADFVRPELRQSS 111111111111110000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000111111111111111111111 >DM\_train189 AVPAVGEDFPIDYADWLPKRDPNDRRRAGILLHPTSFPGPYGIGDLGPQAFKFLDWLHLAGCSLWQV LPLVPPGKRGNEDGSPYSGQDANCGNTLLISLEELVDDGLLKMEELPEPLPTDRVNYSTISEIKDPLITK AAKRLLSSEGELKDQLENFRRDPNISSWLEDAAYFAAIDNSVNTISWYDWPEPLKNRHLAALEEVYQS EKDFIDIFIAQQFLFQRQWKKVRDYARSKGISIMGDMPIYVGYHSADVWANKKQFLLNRKGFPLIVSG VPPDAFSETGQLWGSPLYDWKAMEKDGFSWWVRRIQRATDLFDEFRIDHFRGFAGFWAVPSEEKIAI LGRWKVGPGKPLFDAILQAVGKINIIAEDLGVITEDVVQLRKSIEAPGMAVLQFAFGSDAENPHLPHN HEQNQVVYTGTHDNDTIRGWWDTLPQEEKSNVLKYLSNIEEEEISRGLIEGAVSSVARIAIIPMQDVLG LGSDSRMNIPATQFGNWSWRIPSSTSFDNLDAEAKKLRDILATYGRL

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>DM\_train190 MNINDLKLTLSKAGQEHLLRFWNELEEAQQVELYAELQAMNFEELNFFFQKAIEGFNQSSHQKNVD ARMEPVPREVLGSATRDQDQLQAWESEGLFQISQNKVAVLLLAGGQGTRLGVAYPKGMYDVGLPS RKTLFQIQAERILKLQQVAEKYYGNKCIIPWYIMTSGRTMESTKEFFTKHKYFGLKKENVIFFQQGMLPA MSFDGKIILEEKNKVSMAPDGNGGLYRALAAQNIVEDMEQRGIWSIHVYCVDNILVKVADPRFIGFCI QKGADCGAKVVEKTNPTEPVGVVCRVDGVYQVVEYSEISLATAQKRSSDGRLLFNAGNIANHFFTVP FLRDVVNVYEPQLQHHVAQKKIPYVDTQGQLIKPDKPNGIKMEKFVFDIFQFAKKFVVYEVLREDEFSP LKNADSQNGKDNPTTARHALMSLHHCWVLNAGGHFIDENGSRLPAIPRSATNGKSETITADVNHNL KDANDVPIQCEISPLISYAGEGLESYVADKEFHAPLIIDENGVHELVKNGI 000000000000000000000000000000000000000000000000000000001111111111100000000 000000000000000000000000000000000000011111000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000111111111111111111110000000000000000000000000000000000000000011111 >DM\_train191 MASEVPQVVSLDPTSIPIEYNTPIHDIKVQVYDIKGGCNVEEGLTIFLVNNPGKENGPVKISSKVNDKQ VSEFLKDENMEKFNVKLGTSKHFYMFNDNKNSVAVGYVGCGSVADLSEADMKRVVLSLVTMLHDN KLSKLTVVFEINVDKNLFRFFLETLFYEYMTDERFKSTDKNVNMEYIKHLGVYINNADTYKEEVEKARVY YFGTYYASQLIAAPSNYCNPVSLSNAAVELAQKLNLEYKILGVKELEELKMGAYLSVGKGSMYPNKFIH LTYKSKGDVKKKIALVGKGITFDSGGYNLKAAPGSMIDLMKFDMSGCAAVLGCAYCVGTLKPENVEIH FLSAVCENMVSKNSYRPGDIITASNGKTIEVGNTDAEGRLTLADALVYAEKLGVDYIVDIATLTGAMLY SLGTSYAGVFGNNEELINKILQSSKTSNEPVWWLPIINEYRATLNSKYADINQISSSVKASSIVASLFLKEF VQNTAWAHIDIAGVSWNFKARKPKGFGVRLLTEFVLNDAL 110000000000000000000000000000000000000000000000000010000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000111111110000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000011 >DM\_train193 MPSFASLKSLVVLSLTSLSLAATVALDLHILNANLDPDGTGARSAVTAEGTTIAPLITGNIDDRFQINVID QLTDANMRRATSIHWHGFFQAGTTEMDGPAFVNQCPIIPNESFVYDFVVPGQAGTYWYHSHLSTQ YCDGLRGAFVVYDPNDPHLSLYDVDDASTVITIADWYHSLSTVLFPNPNKAPPAPDTTLINGLGRNSA NPSAGQLAVVSVQSGKRYRFRIVSTSCFPNYAFSIDGHRMTVIEVDGVSHQPLTVDSLTIFAGQRYSV

VVEANQAVGNYWIRANPSNGRNGFTGGINSAIFRYQGAAVAEPTTSQNSGTALNEANLIPLINPGAP GNPVPGGADINLNLRIGRNATTADFTINGAPFIPPTVPVLLQILSGVTNPNDLLPGGAVISLPANQVIEI SIPGGGNHPFHLHGHNFDVVRTPGSSVYNYVNPVRRDVVSIGGGGDNVTFRFVTDNPGPWFLHCHI DWHLEAGLAVVFAEDIPNIPIANAISPAWDDLCPKYNANNPDSGLA

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>DM\_train194 MSASSSSALPPLVPALYRWKSTGSSGRQVQRRCVGAEAIVGLEEKNRRALYDLYIATSLRNIAPASTLL TLQNLKEMFELALLDARFEHPECACTVSWDDEVPAIITYESPESNESARDWARGCIHVQPTAKSALDL WSEMEEGRAAANDNTPSKSIELFLLSDVSTDSTPIPQDATVEILFHSNHLFWDGIGCRKFVGDLFRLVG SYIGRSDSREMKKIQWGQEIKNLSPPVVDSLKLDINTLGSEFDDKCTEYTSALVANYKSRGMKFQPGL ALPRCVIHKLSADESIDIVKAVKTRLGPGFTISHLTQAAIVLALLDHLKPNDLSDDEVFISPTSVDGRRWL REDIASNFYAMCQTAAVVRIENLKSITVSHKDEKELQVRALESACRNIKKSYRQWLENPFLQALGLRV HNFEASYLHAKPIPFEGEANPLFISDGINERFIPHEIKQTATGENVLSVESIDFVVNQSLPYLAIRLDSWR DASTLNIIYNDANYTEAEVQKYLQSIVEFMLAFRL 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000001 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000001110000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train195 MEVKREHWATRLGLILAMAGNAVGLGNFLRFPVQAAENGGGAFMIPYIIAFLLVGIPLMWIEWAMG RYGGAQGHGTTPAIFYLLWRNRFAKILGVFGLWIPLVVAIYYVYIESWTLGFAIKFLVGLVPEPPPNATD PDSILRPFKEFLYSYIGVPKGDEPILKPSLFAYIVFLITMFINVSILIRGISKGIERFAKIAMPTLFILAVFLVIRV FLLETPNGTAADGLNFLWTPDFEKLKDPGVWIAAVGQIFFTLSLGFGAIITYASYVRKDQDIVLSGLTAA TLNEKAEVILGGSISIPAAVAFFGVANAVAIAKAGAFNLGFITLPAIFSQTAGGTFLGFLWFFLLFFAGLTS SIAIMQPMIAFLEDELKLSRKHAVLWTAAIVFFSAHLVMFLNKSLDEMDFWAGTIGVVFFGLTELIIFFWI FGADKAWEEINRGGIIKVPRIYYYVMRYITPAFLAVLLVVWAREYIPKIMEETHWTVWITRFYIIGLFLFLT FLVFLAERRRNHESAGTLVPR 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000110000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000001111 >DM\_train196

FNYDQPYRGQYHFSPQKNWMNDPNGLLYHNGTYHLFFQYNPGGIEWGNISWGHAISEDLTHWEE KPVALLARGFGSDVTEMYFSGSAVADVNNTSGFGKDGKTPLVAMYTSYYPVAQTLPSGQTVQEDQ QSQSIAYSLDDGLTWTTYDAANPVIPNPPSPYEAEYQNFRDPFVFWHDESQKWVVVTSIAELHKLAIY TSDNLKDWKLVSEFGPYNAQGGVWECPGLVKLPLDSGNSTKWVITSGLNPGGPPGTVGSGTQYFV GEFDGTTFTPDADTVYPGNSTANWMDWGPDFYAAAGYNGLSLNDHVHIGWMNNWQYGANIPT YPWRSAMAIPRHMALKTIGSKATLVQQPQEAWSSISNKRPIYSRTFKTLSEGSTNTTTTGETFKVDLSF SAKSKASTFAIALRASANFTEQTLVGYDFAKQQIFLDRTHSGDVSFDETFASVYHGPLTPDSTGVVKLSI FVDRSSVEVFGGQGETTLTAQIFPSSDAVHARLASTGGTTEDVRADIYKIASTWN 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000001 >DM\_train197 EPAKVVDIRIDTSAERKPISPYIYGSNQELDATVTAKRFGGNRTTGYNWENNFSNAGSDWLHYSDTYL LEDGGVPKGEWSTPASVVTTFHDKALSKNVPYTLITLQAAGYVSADGNGPVSQEETAPSSRWKEVKF EKGAPFSLTPDTEDDYVYMDEFVNYLVNKYGNASTPTGIKGYSIDNEPALWSHTHPRIHPDNVTAKEL IEKSVALSKAVKKVDPYAEIFGPALYGFAAYETLQSAPDWGTEGEGYRWFIDYYLDKMKKASDEEGKRL LDVLDVHWYPEARGGGERICFGADPRNIETNKARLQAPRTLWDPTYIEDSWIGQWKKDFLPILPNLL DSIEKYYPGTKLAITEYDYGGGNHITGGIAQADVLGIFGKYGVYLATFWGDASNNYTEAGINLYTNYD GKGGKFGDTSVKCETSDIEVSSAYASIVGEDDSKLHIILLNKNYDQPTTFNFSIDSSKNYTIGNVWAFDR GSSNITQRTPIVNIKDNTFTYTVPALTACHIVLEAAEP 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000001111 >DM\_train198 AEQVALSRTHVCGILREELFQGDAFHQSDTHIFIIMGASGDLAKKKIYPTIWWLFRDGLLPENTFIVGYA RSRLTVADIRKQSEPFFKATPEEKLKLEDFFARNSYVAGQYDDAASYQRLNSHMNALHLGSQANRLF YLALPPTVYEAVTKNIHESCMSQIGWNRIIVEKPFGRDLQSSDRLSNHISSLFREDQIYRIDHYLGKEMV QNLMVLRFANRIFGPIWNRDNIACVILTFKEPFGTEGRGGYFDEFGIIRDVMQNHLLQMLCLVAMEKP ASTNSDDVRDEKVKVLKCISEVQANNVVLGQYVGNPDGEGEATKGYLDDPTVPRGSTTATFAAVVL YVENERWDGVPFILRCGKALNERKAEVRLQFHDVAGDIFHQQCKRNELVIRVQPNEAVYTKMMTKK PGMFFNPEESELDLTYGNRYKNVKLPDAYERLILDVFCGSQMHFVRSDELLEAWRIFTPLLHQIELEKPK PIPYIYGSRGPTEADELMKRVGFQYEGTYKWVNPHKL 111111110000111111111111111000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train199 DPDQFGPDLIEQLAQSGKYSQDNTKGDAMIGVKQPLPKAVLRTQHDKNKEAISILDFGVIDDGVTDN YQAIQNAIDAVASLPSGGELFIPASNQAVGYIVGSTLLIPGGVNIRGVGKASQLRAKSGLTGSVLRLSY DSDTIGRYLRNIRVTGNNTCNGIDTNITAEDSVIRQVYGWVFDNVMVNEVETAYLMQGLWHSKFIA CQAGTCRVGLHFLGQCVSVSVSSCHFSRGNYSADESFGIRIQPQTYAWSSEAVRSEAIILDSETMCIGF KNAVYVHDCLDLHMEQLDLDYCGSTGVVIENVNGGFSFSNSWIAADADGTEQFTGIYFRTPTSTQS HKIVSGVHINTANKNTAANNQSIAIEQSAIFVFVSGCTLTGDEWAVNIVDINECVSFDKCIFNKPLRYL RSGGVSVTDCYLAGITEVQKPEGRYNTYRGCSGVPSVNGIINVPVAVGATSGSAAIPNPGNLTYRVRS LFGDPASSGDKVSVSGVTINVTRPSPVGVALPSMVEYLAI 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000 >DM\_train200 MPIHDKSPRPQEFAAVDLGSNSFHMVIARVVDGAMQIIGRLKQRVHLADGLGPDNMLSEEAMTRGL NCLSLFAERLQGFSPASVCIVGTHTLRQALNATDFLKRAEKVIPYPIEIISGNEEARLIFMGVEHTQPEKG RKLVIDIGGGSTELVIGENFEPILVESRRMGCVSFAQLYFPGGVINKENFQRARMAAAQKLETLTWQFR IQGWNVAMGASGTIKAAHEVLMEMGEKDGIITPERLEKLVKEVLRHRNFASLSLPGLSEERKTVFVPGL AILCGVFDALAIRELRLSDGALREGVLYEMEGRFRHQDVRSRTASSLANQYHIDSEQARRVLDTTMQ MYEQWREQQPKLAHPQLEALLRWAAMLHEVGLNINHSGLHRHSAYILQNSDLPGFNQEQQLMM ATLVRYHRKAIKLDDLPRFTLFKKKQFLPLIQLLRLGVLLNNQRQATTTPPTLTLITDDSHWTLRFPHDW FSQNALVLLDLEKEQEYWEGVAGWRLKIEEESTPEIAA 111111111110000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000001111

>DM\_train201 GSPEFMHTINEEERREFIKHINSVLAGDPDVGSRVPINTETFEFFDQCKDGLILSKLINDSVPDTIDERVL NKQRNNKPLDNFKCIENNNVVINSAKAMGGISITNIGAGDILEGREHLILGLVWQIIRRGLLGKIDITLH PELYRLLEEDETLDQFLRLPPEKILLRWFNYHLKAANWPRTVSNFSKDVSDGENYTVLLNQLAPELCSR APLQTTDVLQRAEQVLQNAEKLDCRKYLTPTAMVAGNPKLNLAFVAHLFNTHPGLEPLNEEEKPEIEP FDAEGEREARVFTLWLNSLDVTPSIHDFFNNLRDGLILLQAYDKITPNTVNWKKVNKAPASGDEMMR FKAVENCNYAVDLGKNQGFSLVGIQGADITDGSRTLTLALVWQMMRMNITKTLHSLSRGGKTLSDS DMVAWANSMAAKGGKGSQIRSFRDPSISTGVFVLDVLHGIKSEYVDYNLVTDGSTEELAIQNARLAIS IARKLGAVIFILPEDIVAVRPRLVLHFIGSLMAV

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>DM\_train202 GMPEIHQSIAQHYHERTKYDPETIASKSQRLDWAKQPVPFKEYKIGSAIDLKPYLQETPEVFVNDTNG QWWQRLSRLLFRSYGLTARMPSMGNTVYLRAAPSAGGLYPAEVYVVSRGTPLLSPGLYNYQCRTHS LIHYWESDVWQSLQEACFWHPALESTQLAIIVTAVFYRSAWRYEDRAYRRICLDTGHLLGNIELSAAIT DYRPHLIGGFIDEAVNDLLYIDPLQEGAIAVLPLADLLDIQQNISPGCTALPSATETNYPQVPDGELLKY FHHHTQISASITGKLNLPTVIQEKSLEDKYNFPFCLKISTVSAPIYWGENLSDLEITMHKRRSTRAYNGEE LTFDELKALLDFTYQPQNYIDQSLDNSPDYFDLNLIETFIAVCGVQGLEAGCYYYAPKAQELRQIRFKN FRRELHFLCLGQELGRDAAAVIFHTSDLKSAIAQYGDRVYRYLHMDAGHLGQRLNLAAIQLNLGVSGI GGFFDDQVNEVLGIPNDEAVIYITTLGRPR 111110000000000000000000000110000000000000000000000000000001111100000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000011111111111100 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000

>DM\_train204 MSNDKTGKSLEQENSERDVEIRDRNYFRKLSLFDDTVIAGAEMIGTSYDVFGKYCNVGSCMNSLFDE RKINASEDNFKKVTILGKTLKVPYYIDCYSVGDLKYTNASGESIESYQSNISSKSRIKGNYLFFSASLKVDF DTDSLTDFENAFSRIQYTYDLYILKSSAEALKEFLKESVKTALDKADTEEDMNDLFNTWGSHFLSGVVM GGCAQYSSSTNKYTSNLTNSFDVVAAASFAGFIGLSARTGNSFMEDIKKFRSASNIKTHAIGGDLSRFD PFGGATSADQPSAEEIAAAKKAFEDWKASVPNAPELVNFADSNPLTGIWELCSDRTQKAKLKKHFET VWAPAESAKRRVHADYIDEIIIGINNTNTPPEGYIGLKSTKDENLNSKGNICLFMHKAKYDPNIDNKDCI TELKFITVRDKSPEGDWVKIPQDIYISPNQYLYLCYLPAKYSAEKAIKDIQLLCSSCGSSMILPYGYNDVL DERGERANATEDDNVHYLIYSAGWK 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000011110000000000000000000000000000000000001

>DM\_train206 GVSKEEYKDVETAKKEKEQLGELMEPALGYVVKVPVSSFENKKVDISDIEVITNGNLDDVPYKANSSKY NYPDIKTKDSSLQYVRSGYVIDGEHSGSNEKGYVYYKGNSPAKELPVNQLLTYTGSWDFTSNANLNN EEGRPNYLNDDYYTKFIGKRVGLVSGDAKPAKHKYTSQFEVDFATKKMTGKLSDKEKTIYTVNADIRG NRFTGAATASDKNKGKGESYNFFSADSQSLEGGFYGPKAEEMAGKFVANDKSLFAVFSAKHNGSNV

DTVRIIDASKIDLTNFSISELNNFGDASVLIIDGKKIKLAGSGFTNKHTIEINGKTMVAVACCSNLEYMKF GQLWQQAEGGKPENNSLFLQGERTATDKMPKGGNYKYIGTWDAQVSKENNWVATADDDRKAGY RTEFDVDFGNKNLSGKLFDKNGVNPVFTVDPKIDGNGFTGKAKTSDAGFALDSGSSRYENVKFNDVA VSGGFYGPTAAELGGQFHHKSENGSVGAVFGAKQQVKK 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000

>DM\_train207 MFRLGTTPRATTYDPDARIGEVASRFGLPTRVLIEIVRTESFQRSLARVTSGKPVVLDLRELDSDLASWIA THARLVEPALRELVRTVAPDVEPRVRFRGLPHRFRRVERIRPMDGALISIEGVVREVRGAERLEHAIVDT GSELVAVRLHGHRLGPGLRVEILGIVRSATLDALEVHKKDPIPEVHPDPAELEEFRELADKDPLTTFARAI APLPGAEEVGKMLALQLFSCVGKNSERLHVLLAGYPVVCSEILHHVLDHLAPRGVYVDLRRTELTDLT AVLKEDRGWALRAGAAVLADGGILAVDHLEGAPEPHRWALMEAMDKGTVTVDGIALNARCAVLAA INPGEQWPSDPPIARIDLDQDFLSHFDLIAFLGVDPRPGEPEEQDTEVPSYTLLRRYLLYAIREHPAPELT EEARKRLEHWYETRREEVEERLGMGLPTLPVTRRQLESVERLAKAHARMRLSDDVEPEDVDIAAELVD WYLETAMQIPGGDEIRISSLKP 111111111111111110000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000001100000000000000000000000 000011111111111111000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000011111111111111

>DM\_train208 GAASEAEYGKVSKAWTLHADGSQEYRSSMELTLFTHTAMNSTYGESFIVYNPDFQTLKIHSSYTRQKD GTIVKTPDNAFVEVLPRFAADAPAYNQLKEMVVVHTGLELGATIYLDYSIITKPGYYPALDINERLQETS PVKECKVSISVPEGTPLACGLYGSPVKAVEESHDGIKEVHWTLRNIPASSREAFQPKNREASPHLVAST YPSGKAALATLDKRLKESQGYESKTFAQFLTDKSGNEQEKVNIIRDHILNNLSTCPIPMAMTGYTVRDI DTVLRSAYGTPLEIAQLLNVMLNAAGIPSEVLAVYPGHLDTDACGLAAIQTLAVKATVDGKDQYLSAS PLTNRGGLDKVVSLSGTSIEIETTPIQIKESRSVAISADQAKDGFAICVLPAISAGIDSWGMSALNSKRSN LFELPSLIREEVTYTVTPAEGMKLQTSTQEQVISKPFGKVTRTITPRGNTIEVVRTIELNKQQFTPAEYSDV RSLIHEWTNPDNRVLLFSL 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000

>DM\_train211

CGIVGIAGVMPVNQSIYDALTVLQHRGQDAAGIITIDANNCFRLRKANGLVSDVFEARHMQRLQGN MGIGHVRYPTAGSSSASEAQPFYVNSPYGITLAHNGNLTNAHELRKKLFEEKRRHINTTSDSEILLNIFA SELDNFRHYPLEADNIFAAIAATNRLIRGAYACVAMIIGHGMVAFRDPNGIRPLVLGKRDIDENRTEY

MVASESVALDTLGFDFLRDVAPGEAIYITEEGQLFTRQCADNPVSNPCLFEYVYFARPDSFIDKISVYSA RVNMGTKLGEKIAREWEDLDIDVVIPIPETSCDIALEIARILGKPYRQGFVKNRYVGRTFIMPGQQLRRK SVRRKLNANRAEFRDKNVLLVDDSIVRGTTSEQIIEMAREAGAKKVYLASAAPEIRFPNVYGIDMPSAT ELIAHGREVDEIRQIIGADGLIFQDLNDLIDAVRAENPDIQQFECSVFNGVYVTKDVDQGYLDFLDTLR NDDAKAVQRQNEVENLEMHNEG

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>DM\_train212 MATKKATMIIEKDFKIAEIDKRIYGSFIEHLGRAVYGGIYEPGHPQADENGFRQDVIELVKELQVPIIRYP GGNFVSGYNWEDGVGPKEQRPRRLDLAWKSVETNEIGLNEFMDWAKMVGAEVNMAVNLGTRGID AARNLVEYCNHPSGSYYSDLRIAHGYKEPHKIKTWCLGNAMDGPWQIGHKTAVEYGRIACEAAKVM KWVDPTIELVVCGSSNRNMPTFAEWEATVLDHTYDHVDYISLHQYYGNRDNDTANYLALSLEMDDF IRSVVAIADYVKAKKRSKKTIHLSFDEWNVWYHSNEADKLIEPWTVAPPLLEDIYNFEDALLVGCMLITL MKHADRVKIACLAQLVNVIAPIMTEKNGPAWKQTIYYPFMHASVYGRGVALHPVISSPKYDSKDFTD VPYLESIAVYNEEKEEVTIFAVNRDMEDALLLECDVRSFEDYRVIEHIVLEHDNVKQTNSAQSSPVVPH RNGDAQLSDRKVSATLPKLSWNVIRLGKR 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000001

>DM\_train214 METKDLIVIGGGINGAGIAADAAGRGLSVLMLEAQDLACATSSASSKLIHGGLRYLEHYEFRLVSEALA EREVLLKMAPHIAFPMRFRLPHRPHLRPAWMIRIGLFMYDHLGKRTSLPGSTGLRFGANSVLKPEIKRG FEYSDCWVDDARLVLANAQMVVRKGGEVLTRTRATSARRENGLWIVEAEDIDTGKKYSWQARGLV NATGPWVKQFFDDGMHLPSPYGIRLIKGSHIVVPRVHTQKQAYILQNEDKRIVFVIPWMDEFSIIGTT DVEYKGDPKAVKIEESEINYLLNVYNTHFKKQLSRDDIVWTYSGVRPLCDDESDSPQAITRDYTLDIHD ENGKAPLLSVFGGKLTTYRKLAEHALEKLTPYYQGIGPAWTKESVLPGGAIEGDRDDYAARLRRRYPFL TESLARHYARTYGSNSELLLGNAGTVSDLGEDFGHEFYEAELKYLVDHEWVRRADDALWRRTKQGM WLNADQQSRVSQWLVEYTQQRLSLAS 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train215 MVYDLIVIGGGSGGMAAARRAARHNAKVALVEKSRLGGTCVNVGCVPKKIMFNAASVHDILENSRH YGFDTKFSFNLPLLVERRDKYIQRLNNIYRQNLSKDKVDLYEGTASFLSENRILIKGTKDNNNKDNGPL NEEILEGRNILIAVGNKPVFPPVKGIENTISSDEFFNIKESKKIGIVGSGYIAVELINVIKRLGIDSYIFARGNR ILRKFDESVINVLENDMKKNNINIVTFADVVEIKKVSDKNLSIHLSDGRIYEHFDHVIYCVGRSPDTENLK LEKLNVETNNNYIVVDENQRTSVNNIYAVGDCCMVKKSKEIEDLNLLKLYNEERYLNKKENVTEDIFYN VQLTPVAINAGRLLADRLFLKKTRKTNYKLIPTVIFSHPPIGTIGLSEEAAIQIYGKENVKIYESKFTNLFFSV YDIEPELKEKTYLKLVCVGKDELIKGLHIIGLNADEIVQGFAVALKMNATKKDFDETIPIHPTAAEEFLTLQ PWMK 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000111111111111111111111111110000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000001111111111111111111111111111110000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000001111

>DM\_train216 TEKKYIVALDQGTTSSRAVVMDHDANIISVSQREFEQIYPKPGWVEHDPMEIWATQSSTLVEVLAKAD ISSDQIAAIGITNQRETTIVWEKETGKPIYNAIVWQCRRTAEICEHLKRDGLEDYIRSNTGLVIDPYFSGT KVKWILDHVEGSRERARRGELLFGTVDTWLIWKMTQGRVHVTDYTNASRTMLFNIHTLDWDDKMLE VLDIPREMLPEVRRSSEVYGQTNIDGKGGTRIPISGIAGDQQAALFGQLCVKEGMAKNTYGTGCFML MNTGEKAVKSENGLLTTIACGPTGEVNYALEGAVFMAGASIQWLRDEMKLINDAYDSEYFATKVQN TNGVYVVPAFTGLGAPYWDPYARGAIFGLTRGVNANHIIRATLESIAYQTRDVLEAMQADSGIRLHAL RVDGGAVANNFLMQFQSDILGTRVERPEVREVTALGAAYLAGLAVGFWQNLDELQEKAVIEREFRP GIETTERNYRYAGWKKAVKRAMAWEEHD 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000111111100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000001111000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000011100000000000000 00000000000011100000000000000000000000000000000000

>DM\_train217 AFYIATFDIGTTEVKAALADRDGGLHFQRSIALETYGDGNGPVEQDAGDWYDAVQRIASSWWQSGV DARRVSAIVLSGQMQNFLPLDQDHEPLHRAVLYSDKRPLKEAEEINARHGADNLWSALENPMTAASI LPKLVFWRASFPQAFGRLRHVVLGAKDYVVLRLTGRHATDRTNASTTGLYRPKDDAWHVELLADYGF SLDLMPRLLEPGEQVGGVSALAARQTGFVSGTPVLCGLGDAGAATLGVGVLDDEDAYLHLGTTGWL ARLTQTDPVGDMPVGTIFRLAGIIAGKTLQVAPVLNAGNILQWALTLVGHRPGEDCAEYFHMAAAEV QGVTVPDGLLFVPYLHAERCPVELPAPRGALLGVTGATTRAQILLAVLEGAALSLRWCAELLGMEKVG LLKVVGGGARSEAWLRMIADNLNVSLLVKPDAHLHPLRGLAALAAVELEWSHSIQDFLREADLREPA SNILHPQPCDEGRRRRKFERFKQCVETLGRLD

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>DM\_train218 MASLQLLPSPTPNLEIKYTKIFINNEWQNSESGRVFPVCNPATGEQVCEVQEADKVDIDKAVQAARL AFSLGSVWRRMDASERGRLLDKLADLVERDRATLATMESLNGGKPFLQAFYIDLQGVIKTLRYYAGW ADKIHGMTIPVDGDYFTFTRHEPIGVCGQIIPWNFPLLMFTWKIAPALCCGNTVVIKPAEQTPLSALYM GALIKEAGFPPGVVNILPGYGPTAGAAIASHIGIDKIAFTGSTEVGKLIQEAAGRSNLKRVTLELGGKSPN IIFADADLDYAVEQAHQGVFFNQGQCCTAGSRIFVEESIYEEFVKRSVERAKRRIVGSPFDPTTEQGPQI DKKQYNKILELIQSGVAEGAKLECGGKGLGRKGFFIEPTVFSNVTDDMRIAKEEIFGPVQEILRFKTMDE VIERANNSDFGLVAAVFTNDINKALMVSSAMQAGTVWINCYNALNAQSPFGGFKMSGNGREMGE FGLREYSEVKTVTVKIPQKNS 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000011111111111111111111100000000000000000000000

>DM\_train220 LEPRHAMLLRCRLPGGVITTKQWQAIDKFAGENTIYGSIRLTNRQTFQFHGILKKNVKPVHQMLHSVG LDALATANDMNRNVLCTSNPYESQLHAEAYEWAKKISEHLLPRTRAYAEIWLDQEKVATTDEEPILG QTYLPRKFKTTVVIPPQNDIDLHANDMNFVAIAENGKLVGFNLLVGGGLSIEHGNKKTYARTASEFGY LPLEHTLAVAEAVVTTQRDWGNRTDRKNAKTKYTLERVGVETFKAEVERRAGIKFEPIRPYEFTGRGDR IGWVKGIDDNWHLTLFIENGRILDYPARPLKTGLLEIAKIHKGDFRITANQNLIIAGVPESEKAKIEKIAKE SGLMNAVTPQRENSMACVSFPTCPLAMAEAERFLPSFIDNIDNLMAKHGVSDEHIVMRVTGCPNGC GRAMLAEVGLVGKAPGRYNLHLGGNRIGTRIPRMYKENITEPEILASLDELIGRWAKEREAGEGFGDFT VRAGIIRPVLDPARDLWD 111111110000000000000000000000000000000000000000000001111100000000000000111 000000000000000000000000000000000001111111111111111111111111111000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000

>DM\_train221 MAHHHHHHMASPASTNPAHDHFETFVQAQLCQDVLSSFQGLCRALGVESGGGLSQYHKIKAQLN YWSAKSLWAKLDKRASQPVYQQGQACTNTKCLVVGAGPCGLRAAVELALLGARVVLVEKRIKFSRH NVLHLWPFTIHDLRALGAKKFYGRFCTGTLDHISIRQLQLLLLKVALLLGVEIHWGVKFTGLQPPPRKGS GWRAQLQPNPPAQLASYEFDVLISAAGGKFVPEGFTIREMRGKLAIGITANFVNGRTVEETQVPEISG

VARIYNQKFFQSLLKATGIDLENIVYYKDETHYFVMTAKKQCLLRLGVLRQDLSETDQLLGKANVVPEA LQRFARAAADFATHGKLGKLEFAQDARGRPDVAAFDFTSMMRAESSARVQEKHGARLLLGLVGDCL VEPFWPLGTGVARGFLAAFDAAWMVKRWAEGAGPLEVLAERESLYQLLSQTSPENMHRNVAQYGL DPATRYPNLNLRAVTPNQVQDLYDMMDKE

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>DM\_train222 GKDDDNVETGAFDPSKPVAISDFTPKEGGAYQKLLIYGENFGTDVSKVKVKIGGKDAIVINVKSTYVYC FVPSGAFSGEIEITVGEGENAVTTTASTTFSYEKKMVVGTLCGYRNNRDDQGWRDGPFDGPEGVKCC GFSDNGRLAFDPLNKDHLYICYDGHKAIQLIDLKNRMLSSPLNINTIPTNRIRSIAFNKKIEGYADEAEY MIVAIDYDGKGDESPSVYIIKRNADGTFDDRSDIQLIAAYKQCNGATIHPINGELYFNSYEKGQVFRLD LVDYFKTIKNGGSWDPIVKNNPNTFKQLFTIADPSWEFQIFIHPTGKYAYFGVINNHYFMRSDYDEIKK EFITPYNFVGGYKQSGYRDDVGTEARMNNPCQGVFVKNPDYTGEEEYDFYFVDRLNFCVRKVTPEGI VSTYAGRGASTSLADGNQWGTDDGDLREVARFRDVSGLVYDDVKEMFYVHDQVGHTIRTISMEQE ENVAGDENIPEDESTVESNE 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000001111111111111111111

>DM\_train223 ATSDSNMLLNYVPVYVMLPLGVVNVDNVFEDPDGLKEQLLQLRAAGVDGVMVDVWWGIIELKGPK QYDWRAYRSLLQLVQECGLTLQAIMSFHQCGGNVGDIVNIPIPQWVLDIGESNHDIFYTNRSGTRNK EYLTVGVDNEPIFHGRTAIEIYSDYMKSFRENMSDFLESGLIIDIEVGLGPAGELRYPSYPQSQGWEFPGI GEFQCYDKYLKADFKAAVARAGHPEWELPDDAGKYNDVPESTGFFKSNGTYVTEKGKFFLTWYSNKL LNHGDQILDEANKAFLGCKVKLAIKVSGIHWWYKVENHAAELTAGYYNLNDRDGYRPIARMLSRHH AILNFTCLEMRDSEQPSDAKSGPQELVQQVLSGGWREDIRVAGENALPRYDATAYNQIILNARPQGV NNNGPPKLSMFGVTYLRLSDDLLQKSNFNIFKKFVLKMHADQDYCANPQKYNHAITPLKPSAPKIPIE VLLEATKPTLPFPWLPETDMKVDG 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000

>DM\_train224

MTSRDGYQWTPETGLTQGVPSLGVISPPTNIEDTDKDGPWDVIVIGGGYCGLTATRDLTVAGFKTLLL EARDRIGGRSWSSNIDGYPYEMGGTWVHWHQSHVWREITRYKMHNALSPSFNFSRGVNHFQLRT NPTTSTYMTHEAEDELLRSALHKFTNVDGTNGRTVLPFPHDMFYVPEFRKYDEMSYSERIDQIRDELSL NERSSLEAFILLCSGGTLENSSFGEFLHWWAMSGYTYQGCMDCLMSYKFKDGQSAFARRFWEEAAG TGRLGYVFGCPVRSVVNERDAARVTARDGREFVAKRVVCTIPLNVLSTIQFSPALSTERISAMQAGHV SMCTKVHAEVDNKDMRSWTGIAYPFNKLCYAIGDGTTPAGNTHLVCFGNSANHIQPDEDVRETLKA VGQLAPGTFGVKRLVFHNWVKDEFAKGAWFFSRPGMVSECLQGLREKHGGVVFANSDWALGWRS FIDGAIEEGTRAARVVLEELGTKREVKARL 000000000000000000000000000000011111111000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000111111111

>DM\_train225 MAQILPIRFQEHLQLQNLGINPANIGFSTLTMESDKFICIREKVGEQAQVVIIDMNDPSNPIRRPISADS AIMNPASKVIALKAGKTLQIFNIEMKSKMKAHTMTDDVTFWKWISLNTVALVTDNAVYHWSMEGES QPVKMFDRHSSLAGCQIINYRTDAKQKWLLLTGISAQQNRVVGAMQLYSVDRKVSQPIEGHAASFA QFKMEGNAEESTLFCFAVRGQAGGKLHIIEVGTPPTGNQPFPKKAVDVFFPPEAQNDFPVAMQISEK HDVVFLITKYGYIHLYDLETGTCIYMNRISGETIFVTAPHEATAGIIGVNRKGQVLSVCVEEENIIPYITNV LQNPDLALRMAVRNNLAGAEELFARKFNALFAQGNYSEAAKVAANAPKGILRTPDTIRRFQSVPAQP GQTSPLLQYFGILLDQGQLNKYESLELCRPVLQQGRKQLLEKWLKEDKLECSEELGDLVKSVDPTLALS VYLRANVPNKVIQCFAE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000001111111

>DM\_train226 MDYTYADDSLTLHTDMYQINMMQTYWELGRADLHAVFECYFREMPFNHGYAIFAGLERLVNYLEN LTFTESDIAYLREVEEYPEDFLTYLANFEFKCTVRSALEGDLVFNNEPLIQIEGPLAQCQLVETALLNMV NFQTLIATKAARIKSVIGDDPLLEFGTRRAQELDAAIWGTRAAYIGGADATSNVRAGKIFGIPVSGTHA HSLVQSYGNDYEAFMAYAKTHRDCVFLVDTYDTLKAGVPSAIRVAREMGDKINFLGVRIDSGDMAYI SKRVREQLDEAGFTEAKIYASNDLDENTILNLKMQKSKIDVWGVGTKLITAYDQPALGAVFKLVSIEGE DGQMKDTIKLSSNAEKVTTPGKKQVWRITRKSDKKSEGDYVTLWNEDPRQEEEIYMFHPVHTFINKY VRDFEARPVLQDIFVEGKRVYELPTLDEIKQYAKENLDSLHEEYKRDLNPQKYPVDLSTDCWNHKMN LLEKVRKDVKHLTETVNKEA 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train227 TGNLVTKNSLTPDVRNGIDFKIADLSLADFGRKELRIAEHEMPGLMSLRREYAEVQPLKGARISGSLHM TVQTAVLIETLTALGAEVRWASCNIFSTQDHAAAAVVVGPHGTPDEPKGVPVFAWKGETLEEYWWA AEQMLTWPDPDKPANMILDDGGDATMLVLRGMQYEKAGVVPPAEEDDPAEWKVFLNLLRTRFETD KDKWTKIAESVKGVTEETTTGVLRLYQFAAAGDLAFPAINVNDSVTKSKFDNKYGTRHSLIDGINRGT DALIGGKKVLICGYGDVGKGCAEAMKGQGARVSVTEIDPINALQAMMEGFDVVTVEEAIGDADIVVT ATGNKDIIMLEHIKAMKDHAILGNIGHFDNEIDMAGLERSGATRVNVKPQVDLWTFGDTGRSIIVLSE GRLLNLGNATGHPSFVMSNSFANQTIAQIELWTKNDEYDNEVYRLPKHLDEKVARIHVEALGGHLTK LTKEQAEYLGVDVEGPYKPDHYRY 111111111000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000

>DM\_train228 MTANGTAEAVQIQFGLINCGNKYLTAEAFGFKVNASASSLKKKQIWTLEQPPDEAGSAAVCLRSHLG RYLAADKDGNVTCEREVPGPDCRFLIVAHDDGRWSLQSEAHRRYFGGTEDRLSCFAQTVSPAEKWS VHIAMHPQVNIYSVTRKRYAHLSARPADEIAVDRDVPWGVDSLITLAFQDQRYSVQTADHRFLRHD GRLVARPEPATGYTLEFRSGKVAFRDCEGRYLAPSGPSGTLKAGKATKVGKDELFALEQSCAQVVLQA ANERNVSTRQGMDLSANQDEETDQETFQLEIDRDTKKCAFRTHTGKYWTLTATGGVQSTASSKNAS CYFDIEWRDRRITLRASNGKFVTSKKNGQLAASVETAGDSELFLMKLINRPIIVFRGEHGFIGCRKVTGT LDANRSSYDVFQLEFNDGAYNIKDSTGKYWTVGSDSAVTSSGDTPVDFFFEFCDYNKVAIKVGGRYL KGDHAGVLKASAETVDPASLWEY 111111100000000000000000000000000000000000000000011111111000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000001111000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000

>DM\_train229 GGTAYWKNPDQFTAFNTGLHALLREKSYNFFLLGEPRADIYGDNPIGGEASQGMERLPFNTINKENV GISNYGDMYKIINQINQMIAKTTETTILTEATQNYYLGEAYGMRAYLYFHLLRSWGDVVLYLDYTEGQ NLDLSNITKGVSPATEVMEQIKKDIQASENAFGSDYSFKLGRHFWSAAATQMLKGEAYLWSGRQMN GGNSDYTIAKNAFENVKKADVGLVTSSFKDIFSFENKKNKEMIFTIHNGKDEYEMWGGYYRMRLIPAQ DKMVKIYCDENGNSFVGTPDAQLNGLTQLQVRREFYFKGFRNNDTRWTTSLKAVYKKDAQGVVSYF GPITYKFQGTMLEGGSTRSFLDDFPIYRYADCLLQLAMAKVLLGEDPTEEINAVRERAYGSKYFNEHKA EIAYPNDNDPEFYTDNKWMKPDNAGALEAILKERLREFMFEGKRWYDIRLLGWDYVHQYSSAEQSR LLWPIDAGTLTNNSALKQTPGYE

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>DM\_train231 SVTVQQPQLTLTAAVIGDGAPANGKTAITVEFTVADFEGKPLAGQEVVITTNNGALPNKITEKTDANG VARIALTNTTDGVTVVTAEVEGQRQSVDTHFVKGTIAADKSTLAAVPTSIIADGLMASTITLELKDTYG DPQAGANVAFDTTLGNMGVITDHNDGTYSAPLTSTTLGVATVTVKVDGAAFSVPSVTVNFTADPIP DAGRSSFTVSTPDILADGTMSSTLSFVPVDKNGHFISGMQGLSFTQNGVPVSISPITEQPDSYTATVVG NSVGDVTITPQVDTLILSTLQKKISLFPVPTLTGILVNGQNFATDKGFPKTIFKNATFQLQMDNDVANN TQYEWSSSFTPNVSVNDQGQVTITYQTYSEVAVTAKSKKFPSYSVSYRFYPNRWIYDGGRSLVSSLEA SRQCQGSDMSAVLESSRATNGTRAPDGTLWGEWGSLTAYSSDWQSGEYWVKKTSTDFETMNMDT GALQPGPAYLAFPLCALSI 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000

>DM\_train234 LLAGASSQRSVARMDGDVIIGALFSVHHQPPAEKVPERKCGEIREQYGIQRVEAMFHTLDKINADPVL LPNITLGSEIRDSCWHSSVALEQSIEFIRDSLISIRDEKDGINRCLPDGQSLPPGRTKKPIAGVIGPGSSSV AIQVQNLLQLFDIPQIAYSATSIDLSDKTLYKYFLRVVPSDTLQARAMLDIVKRYNWTYVSAVHTEGNY GESGMDAFKELAAQEGLSIAHSDKIYSNAGEKSFDRLLRKLRERLPKARVVVCFCEGMTVRGLLSAMR RLGVVGEFSLIGSDGWADRDEVIEGYEVEANGGITIKLQSPEVRSFDDYFLKLRLDTNTRNPWFPEFW QHRFQCRLPGHLLENPNFKRICTGNESLEENYVQDSKMGFVINAIYAMAHGLQNMHHALCPGHVG LCDAMKPIDGSKLLDFLIKSSFIGVSGEEVWFDEKGDAPGRYDIMNLQYTEANRYDYVHVGTWHEGV LNIDDYKIQMNKSG 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000011111111111111111111111111000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000001111111000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000111111111

>DM\_train235 MKKRILAVAVTSMLLSASVFAQETVVPSRVGDLKFESDFPTQETMKNMLNEMDFQRATQAYLWGIP ASSIMEWLNVSRNDFKFEEGQMGFFNTLKQKQGIITANFTTPYVIGTWNLEKTGPLIINLPEAKMAGM MLDVHQRVLSDLSLLGPDKGKGGKYLIVPPGEKYKDLNPKGYYVIRPKTNVVYGGIRILEPDVDRVVK QVVPNITTQPYADGKLGRKIPVAQVPEIDWTHIPKDGLEYWKTIHQIIQENPVEERDRFVMAQLKFLGI

EKGKPFNPTEEQKKILLEASKVGRAMAQSNDYTKRFTQPYWKGTNWKDAISVSLDQRSENYDELDER AAWFYEAITVSRGMKSTIPGFGQRYLVTYQDSDGNWLSGEHTYKLHVPANVPASNFWSTTVYDENN RLMIINDAGSPDISSRKNLKVNSDGSIDVYYGPKPVKGYENNWVQTNPGEGWFTYFRFYGPTEKMFD KSWTMGDIELVKLEHHHHHH

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>DM\_train236 RLTELREDIDAILEDPALEGAVSGVVVVDTATGEELYSRDGGEQLLPASNMKLFTAAAALEVLGADHSF GTEVAAESAPGRRGEVQDLYLVGRGDPTLSAEDLDAMAAEVAASGVRTVRGDLYADDTWFDSERLV DDWWPEDEPYAYSAQISALTVAHGERFDTGVTEVSVTPAAEGEPADVDLGAAEGYAELDNRAVTGA AGSANTLVIDRPVGTNTIAVTGSLPADAAPVTALRTVDEPAALAGHLFEEALESNGVTVKGDVGLGGV PADWQDAEVLADHTSAELSEILVPFMKFSNNGHAEMLVKSIGQETAGAGTWDAGLVGVEEALSGLG VDTAGLVLNDGSGLSRGNLVTADTVVDLLGQAGSAPWAQTWSASLPVAGESDPFVGGTLANRMR GTAAEGVVEAKTGTMSGVSALSGYVPGPEGELAFSIVNNGHSGPAPLAVQDAIAVRLAEYAGHQAPE GARMMRGPVQGSGELECSWVQAC 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000011111111111111111111111

>DM\_train237 MNSTNSGPPDSGSATGVVPTPDEIASLLQVEHLLDQRWPETRIDPSLTRISALMDLLGSPQRSYPSIHI AGTNGKTSVARMVDALVTALHRRTGRTTSPHLQSPVERISIDGKPISPAQYVATYREIEPLVALIDQQS QASAGKGGPAMSKFEVLTAMAFAAFADAPVDVAVVEVGMGGRWDATNVINAPVAVITPISIDHVD YLGADIAGIAGEKAGIITRAPDGSPDTVAVIGRQVPKVMEVLLAESVRADASVAREDSEFAVLRRQIAV GGQVLQLQGLGGVYSDIYLPLHGEHQAHNAVLALASVEAFFGAGAQRQLDGDAVRAGFAAVTSPG RLERMRSAPTVFIDAAHNPAGASALAQTLAHEFDFRFLVGVLSVLGDKDVDGILAALEPVFDSVVVTH NGSPRALDVEALALAAGERFGPDRVRTAENLRDAIDVATSLVDDAAADPDVAGDAFSRTGIVITGSV VTAGAARTLFGRDPQ 111111111111111111111000000000000000001110000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000111110000 000000000000000000000000000000000000000000000000000000000000000000000000001 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000111100000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000011110000000000000000000000000

>DM\_train238

MNAPESVQAKPRKRYDAGVMKYKMGYWDGDYVPKDTDLLALFRITPQDGVDPVEAAAAVAGESST ATWTVVWTDRLTACDMYRAKAYRVDPVPNNPEQFFCYVAYDLSLFEEGSIANLTASIIGNVFSFKPIK AARLEDMRFPVAYVKTFAGPSTGIIVERERLDKFGRPLLGATTKPKLGLSGRNYGRVVYEGLKGGLDFM KDDENINSQPFMHWRDRFLFVMDAVNKASAATGEVKGSYLNVTAGTMEEMYRRAEFAKSLGSVIIM VDLIVGWTCIQSMSNWCRQNDMILHLHRAGHGTYTRQKNHGVSFRVIAKWLRLAGVDHMHTGTA VGKLEGDPLTVQGYYNVCRDAYTQTDLTRGLFFDQDWASLRKVMPVASGGIHAGQMHQLIHLFGD DVVLQFGGGTIGHPQGIQAGATANRVALEAMVLARNEGRDILNEGPEILRDAARWCGPLRAALDTW GDISFNYTPTDTSDFAPTASVA 111111111111111111111000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000001111111111111111111

>DM\_train239 MSQPDATPFDYILSGGTVIDGTNAPGRLADVGVRGDRIAAVGDLSASSARRRIDVAGKVVSPGFIDSH THDDNYLLKHRDMTPKISQGVTTVVTGNCGISLAPLAHANPPAPLDLLDEGGSFRFARFSDYLEALRA APPAVNAACMVGHSTLRAAVMPDLRREATADEIQAMQALADDALASGAIGISTGAFYPPAAHASTE EIIEVCRPLITHGGVYATHMRDEGEHIVQALEETFRIGRELDVPVVISHHKVMGKLNFGRSKETLALIEAA MASQDVSLDAYPYVAGSTMLKQDRVLLAGRTLITWCKPYPELSGRDLEEIAAERGKSKYDVVPELQPA GAIYFMMDEPDVQRILAFGPTMIGSDGLPHDERPHPRLWGTFPRVLGHYSRDLGLFPLETAVWKMT GLTAAKFGLAERGQVQPGYYADLVVFDPATVADSATFEHPTERAAGIHSVYVNGAAVWEDQSFTGQ HAGRVLNRAGA 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000111

>DM\_train241 LLSRRRTRRPGEPPLDLGSIPWLGYALDFGKDAASFLTRMKEKHGDIFTILVGGRYVTVLLDPHSYDAV VWEPRTRLDFHAYAIFLMERIFDVQLPHYSPSDEKARMKLTLLHRELQALTEAMYTNLHAVLLGDATE AGSGWHEMGLLDFSYSFLLRAGYLTLYGIEALPRTHESQAQDRVHSADVFHTFRQLDRLLPKLARGSL SVGDKDHMCSVKSRLWKLLSPARLARRAHRSKWLESYLLHLEEMGVSEEMQARALVLQLWATQGN MGPAAFWLLLFLLKNPEALAAVRGELESILWQAEQPVSQTTTLPQKVLDSTPVLDSVLSESLRLTAAPFI TREVVVDLAMPMADGREFNLRRGDRLLLFPFLSPQRDPEIYTDPEVFKYNRFLNPDGSEKKDFYKDGK RLKNYNMPWGAGHNHCLGRSYAVNSIKQFVFLVLVHLDLELINADVEIPEFDLSRYGFGLMQPEHDV PVRYRIRP 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train242 MMNDGKQQSTFLFHDYETFGTHPALDRPAQFAAIRTDSEFNVIGEPEVFYCKPADDYLPQPGAVLIT GITPQEARAKGENEAAFAARIHSLFTVPKTCILGYNNVRFDDEVTRNIFYRNFYDPYAWSWQHDNSR WDLLDVMRACYALRPEGINWPENDDGLPSFRLEHLTKANGIEHSNAHDAMADVYATIAMAKLVKTR QPRLFDYLFTHRNKHKLMALIDVPQMKPLVHVSGMFGAWRGNTSWVAPLAWHPENRNAVIMVDL AGDISPLLELDSDTLRERLYTAKTDLGDNAAVPVKLVHINKCPVLAQANTLRPEDADRLGINRQHCLD NLKILRENPQVREKVVAIFAEAEPFTPSDNVDAQLYNGFFSDADRAAMKIVLETEPRNLPALDITFVDK RIEKLLFNYRARNFPGTLDYAEQQRWLEHRRQVFTPEFLQGYADELQMLVQQYADDKEKVALLKAL WQYADEIVEHHHHHH 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000111000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000001111000000 000000000000000000000000000000000000000000000000000000111100000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000011111

>DM\_train243 MSRLVVVSNRIAPPDEHAASAGGLAVGILGALKAAGGLWFGWSGETGNEDQPLKKVKKGNITWASF NLSEQDLDEYYNQFSNAVLWPAFHYRLDLVQFQRPAWDGYLRVNALLADKLLPLLQDDDIIWIHDY HLLPFAHELRKRGVNNRIGFFLHIPFPTPEIFNALPTYDTLLEQLCDYDLLGFQTENDRLAFLDCLSNLTR VTTRSAKSHTAWGKAFRTEVYPIGIEPKEIAKQAAGPLPPKLAQLKAELKNVQNIFSVERLDYSKGLPER FLAYEALLEKYPQHHGKIRYTQIAPTSRGDVQAYQDIRHQLENEAGRINGKYGQLGWTPLYYLNQHF DRKLLMKIFRYSDVGLVTPLRDGMNLVAKEYVAAQDPANPGVLVLSQFAGAANELTSALIVNPYDRD EVAAALDRALTMSLAERISRHAEMLDVIVKNDINHWQECFISDLKQIVPRSAESQQRDKVATFPKLAL EHHHHHH 100000000000001111110000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000001111111111111111111111111

>DM\_train244 TKFYTDAVEAVKDIPNGATVLVGGFGLCGIPENLIGALLKTGVKELTAVSNNAGVDNFGLGLLLQSKQI KRMISSYVGENAEFERQYLAGELEVELTPQGTLAERIRAGGAGVPAFYTSTGYGTLVQEGGSPIKYNKD GSIAIASKPREVREFNGQHFILEEAIRGDFALVKAWKADQAGNVTFRKSARNFNLPMCKAAETTVVEV EEIVDIGSFAPEDIHIPKIYVHRLVKGEKYEKRIERLSVRKEEDVKTRSGKLGDNVRERIIKRAALEFEDGMY ANLGIGIPLLASNFISPNMTVHLQSENGILGLGPYPLQNEVDADLINAGKETVTVLPGASYFSSDESFA MIRGGHVNLTMLGAMQVSKYGDLANWMIPGKLVKGMGGAMDLVSSAKTKVVVTMEHSAKGNAH KIMEKCTLPLTGKQCVNRIITEKAVFDVDRKKGLTLIELWEGLTVDDIKKSTGCDFAVSPKLIPMQQVTT 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train246 MARTGAEYIEALKTRPPNLWYKGEKVEDPTTHPVFRGIVRTMAALYDLQHDPRYREVLTYEEEGKRHG MSFLIPKTKEDLKRRGQAYKLWADQNLGMMGRSPDYLNAVVMAYAASADYFGEFAENVRNYYRYL RDQDLATTHALTNPQVNRARPPSGQPDPYIPVGVVKQTEKGIVVRGARMTATFPLADEVLIFPSTLLQ AGSEKYALAFALPTSTPGLHFVCREALVGGDSPFDHPLSSRVEEMDCLVIFDDVLVPWERVFILGNVEL CNNAYAATGALNHMAHQVVALKTAKTEAFLGVAALMAEGIGADVYGHVQEKIAEIIVYLEAMRAFW TRAEEEAKENAYGLLVPDRGALDGARNLYPRLYPRIREILEQIGASGLITLPSEKDFKGPLGPFLEKFLQG AALEAKERVALFRLAWDMTLSGFGARQELYERFFFGDPVRMYQTLYNVYNKEPYKERIRAFLKESLKVF EEVQA 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000001111

>DM\_train247 GSMGATKILMDSTHFNEIRSIIRSRSVAWDALARSEELSEIDASTAKALESILVKKNIGDGLSSSNNAHS GFKVNGKTLIPLIHLLSTSDNEDCKKSVQNLIAELLSSDKYGDDTVKFFQEDPKQLEQLFDVSLKGDFQ TVLISGFNVVSLLVQNGLHNVKLVEKLLKNNNLINILQNIEQMDTCYVCIRLLQELAVIPEYRDVIWLHE KKFMPTLFKILQRATDSQLATRIVATNSNHLGIQLQYHSLLLIWLLTFNPVFANELVQKYLSDFLDLLKL VKITIKEKVSRLCISIILQCCSTRVKQHKKVIKQLLLLGNALPTVQSLSERKYSDEELRQDISNLKEILENEY QELTSFDEYVAELDSKLLCWSPPHVDNGFWSDNIDEFKKDNYKIFRQLIELLQAKVRNGDVNAKQEKII IQVALNDITHVVELLPESIDVLDKTGGKADIMELLNHSDSRVKYEALKATQAIIGYTFK 111000000000000000000000000000000000000000000000000000011111111111111111000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 111111111111100000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000

>DM\_train249 GASETQQWKTLEDTRSALMGVYGLTRAALADNNTHWICGDLRKGDFTVYKRSDLQAVSDNELNKP YDLLKKVSNWRRFYAVINAASVFMEKAPRTVELDRSYSEQNLKYDIAQVRALRAFAYFYMVRIWGDV PLVTYSYDNGTFPSMPRTDAQTVLSYAKAELLTAIEDLPYQYGTQTNLYYGSYGAQWQGKLFNKLSA YSVLAHICAWQGNYAEAETYSAFIIDHASEINAKYTSIADLTSETGLFYSNASVKGSRILGFNFAHNDNE ATQSGHLEQLTLAYPLVQKSYPEIYISKDSLFSIFTNFDDLRFGIIDTIKYSSYYVQNLNEETPVFSKIKIIQD GSAKDNDFGVFGSSIVFTRLEDITLLRAEALCALNRSTEAVSYLNMIRTNRGLREVSFKKDFGNNRESLI



>DM\_train250 ARTDNFKLSSLANGLKVATSNTPGHFSALGLYIDAGSRFEGRNLKGCTHILDRLAFKSTEHVEGRAMA ETLELLGGNYQCTSSRENLMYQASVFNQDVGKMLQLMSETVRFPKITEQELQEQKLSAEYEIDEVWM KPELVLPELLHTAAYSGETLGSPLICPRGLIPSISKYYLLDYRNKFYTPENTVAAFVGVPHEKALELTGKYL GDWQSTHPPITKKVAQYTGGESCIPPAPVFGNLPELFHIQIGFEGLPIDHPDIYALATLQTLLGGGGSFS AGGPGKGMYSRLYTHVLNQYYFVENCVAFNHSYSDSGIFGISLSCIPQAAPQAVEVIAQQMYNTFAN KDLRLTEDEVSRAKNQLKSSLLMNLESKLVELEDMGRQVLMHGRKIPVNEMISKIEDLKPDDISRVAE MIFTGNVNNAGNGKGRATVVMQGDRGSFGDVENVLKAYGLGNSSSSKNDSPKKKGWFHHHHHH 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000011111111110000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000011111111111111111111

>DM\_train251 GGNLEEMNIDPDNATQTHPKLLLTQICMNAFKRGTDGMYATKKVIQADGESADQYYKWTRGSFGY YDNLRNVQKMGEEAERVNAPVYTALTKFFRAYYFYELTLRFGDIPYSQALKGEKEEIYTPEYDAQEDVF AGILQELREADEILANDASVIDGDIIYNGNSTQWRKLINSFRLKVLMTLSNHTTVGNINIASEFKNIATN SPLMNSLADNGQLVYLDQQGNRYPQFNAQWSGYYMDDTFIQRMRERRDPRLFIFSAQTNKGKTEG KPIDDFSSYEGGDPAAPYSDAIIKVSEGTISPINDRFRTDPIVEPTMLMGYAELQQILAEAVVRGWISGN AQTYYEKGIRASFSFYETHAKDYAGYLNENAVAQYLKEPLVDFTQASGTEEQIERIIMQKYLVTFYQGN WDSFYEQLRTGYPDFRRPAGTEIPKRWMYPQGEYDNNGTNVETAITRQFGAGNDKINQATWWQK

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>DM\_train252 GALRSLVLIGHGSHHHGESARATQQVAEALRGRGLAGHLPYDEVLEGYWQQEPGLRQVLRTVAYSD VTVVPVFLSEGYVTETVLPRELGLGHQGPVPTGGVVRVLGGRRVRYTRPLGAHPGMADAIAAQARDT LPEGTDPADVTLLLLAARPGNAALETHAQALRERGQFAGVEVVLESREALTPESHAASAVPLSEWPSR VEAGQAVLVPFLTHLGKHAAERLQQALAQAAERFPQAPPLHVGGPVGEHPAVAEVVLALAAEGRED

ERGGDIDQAHAEAWAALRHLAERGGRLGEVLLTPYGGLFELRHTLDEGRATLDLQTVVTPEGLRDLT ARDEAGRWRPIRTWRTLPRGWRAVLSPADLRLGLELLYPAVIEESYAHEHRRLHWTPWMSTARRQT GTLARVQRATPDQVDTVAAQVCASCLRTRLWAGHTLGQTIFSGVPGGLPCAEACTVLLAAVRDEVG REAMGSGD

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>DM\_train253 SKDVSSTITTVSASPDGTLNLPAAAPLSIASGRLNQTILETGSQFGGVARWGQESHEFGMRRLAGTAL DGAMRDWFTNECESLGCKVKVDKIGNMFAVYPGKNGGKPTATGSHLDTQPEAGKYDGILGVLAGL EVLRTFKDNNYVPNYDVCVVVWFNAEGARFARSCTGSSVWSHDLSLEEAYGLMSVGEDKPESVYDS LKNIGYIGDTPASYKENEIDAHFELHIEQGPILEDENKAIGIVTGVQAYNWQKVTVHGVGAHAGTTPW RLRKDALLMSSKMIVAASEIAQRHNGLFTCGIIDAKPYSVNIIPGEVSFTLDFRHPSDDVLATMLKEAAA EFDRLIKINDGGALSYESETLQVSPAVNFHEVCIECVSRSAFAQFKKDQVRQIWSGAGHDSCQTAPHV PTSMIFIPSKDGLSHNYYEYSSPEEIENGFKVLLQAIINYDNYRVIRGHQFPGDDDDKHHHHHHHHSG

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>DM\_train254 MKTDTSTFLAQQIVRLRRRDQIRRLLQRDKTPLAILFMAAVVGTLTGLVGVAFEKAVSWVQNMRIGA LVQVADHAFLLWPLAFILSALLAMVGYFLVRKFAPEAGGSGIPEIEGALEELRPVRWWRVLPVKFIGGM GTLGAGMVLGREGPTVQIGGNLGRMVLDVFRMRSAEARHTLLATGAAAGLSAAFNAPLAGILFIIEE MRPQFRYNLISIKAVFTGVIMSSIVFRIFNGEAPIIEVGKLSDAPVNTLWLYLILGIIFGVVGPVFNSLVLRT QDMFQRFHGGEIKKWVLMGGAIGGLCGILGLIEPAAAGGGFNLIPIAAAGNFSVGLLLFIFITRVVTTLL CFSSGAPGGIFAPMLALGTLLGTAFGMAAAVLFPQYHLEAGTFAIAGMGALMAASVRAPLTGIVLVLE MTDNYQLILPMIITCLGATLLAQFLGGKPLYSTILARTLAKQDAEQAEKNQNAPADENT 111111111111111111111111111111000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000001111111111111

>DM\_train256 MGSSSSENLYFQGHMATESPATRRVQVAEHPRLLKLKEMFNSKFGSIPKFYVRAPGRVNIIGEHIDYC

GYSVLPMAVEQDVLIAVEPVKTYALQLANTNPLYPDFSTSANNIQIDKTKPLWHNYFLCGLKGIQEHF GLSNLTGMNCLVDGNIPPSSGLSSSSALVCCAGLVTLTVLGRNLSKVELAEICAKSERYIGTEGGGMD QSISFLAEEGTAKLIEFSPLRATDVKLPSGAVFVIANSCVEMNKAATSHFNIRVMECRLAAKLLAKYKSL QWDKVLRLEEVQAKLGISLEEMLLVTEDALHPEPYNPEEICRCLGISLEELRTQILSPNTQDVLIFKLYQR AKHVYSEAARVLQFKKICEEAPENMVQLLGELMNQSHMSCRDMYECSCPELDQLVDICRKFGAQGS



>DM\_train257 ATLDSWLSNEATVARTAILNNIGADGAWVSGADSGIVVASPSTDNPDYFYTWTRDSGLVLKTLVDLF RNGDTSLLSTIENYISAQAIVQGISNPSGDLSSGAGLGEPKFNVDETAYTGSWGRPQRDGPALRATA MIGFGQWLLDNGYTSTATDIVWPLVRNDLSYVAQYWNQTGYDLWEEVNGSSFFTIAVQHRALVEG SAFATAVGSSCSWCDSQAPEILCYLQSFWTGSFILANFDSSRSGKDANTLLGSIHTFDPEAACDDSTF QPCSPRALANHKEVVDSFRSIYTLNDGLSDSEAVAVGRYPEDTYYNGNPWFLCTLAAAEQLYDALYQ WDKQGSLEVTDVSLDFFKALYSDAATGTYSSSSSTYSSIVDAVKTFADGFVSIVETHAASNGSMSEQY DKSDGEQLSARDLTWSYAALLTANNRRNSVVPASWGETSASSVPGTCAATSAIGTYSSVTVTSWPSI

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>DM\_train258 MPEQYRYTLPVKAGEQRLLGELTGAACATLVAEIAERHAGPVVLIAPDMQNALRLHDEISQFTDQMV MNLADWETLPYDSFSPHQDIISSRLSTLYQLPTMQRGVLIVPVNTLMQRVCPHSFLHGHALVMKKG QRLSRDALRTQLDSAGYRHVDQVMEHGEYATRGALLDLFPMGSELPYRLDFFDDEIDSLRVFDVDSQ RTLEEVEAINLLPAHEFPTDKAAIELFRSQWRDTFEVKRDPEHIYQQVSKGTLPAGIEYWQPLFFSEPLP PLFSYFPANTLLVNTGDLETSAERFQADTLARFENRGVDPMRPLLPPQSLWLRVDELFSELKNWPRVQ LKTEHLPTKAANANLGFQKLPDLAVQAQQKAPLDALRKFLETFDGPVVFSVESEGRREALGELLARIKI APQRIMRLDEASDRGRYLMIGAAEHGFVDTVRNLALICESDLLGERVARRRQDSRRTINPDTL 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 11111111111111111111

>DM\_train259 MLSNELRQTLQKGLHDVNSDWTVPAAIINDPEVHDVERERIFGHAWVFLAHESEIPERGDYVVRYISE DQFIVCRDEGGEIRGHLNACRHRGMQVCRAEMGNTSHFRCPYHGWTYSNTGSLVGVPAGKDAYG NQLKKSDWNLRPMPNLASYKGLIFGSLDPHADSLEDYLGDLKFYLDIVLDRSDAGLQVVGAPQRWVI DANWKLGADNFVGDAYHTMMTHRSMVELGLAPPDPQFALYGEHIHTGHGHGLGIIGPPPGMPLPE FMGLPENIVEELERRLTPEQVEIFRPTAFIHGTVFPNLSIGNFLMGKDHLSAPTAFLTLRLWHPLGPDKM EVMSFFLVEKDAPDWFKDESYKSYLRTFGISGGFEQDDAENWRSITRVMGGQFAKTGELNYQMGRG VLEPDPNWTGPGEAYPLDYAEANQRNFLEYWMQLMLAESPLRDGNSNGSGTADASTPAAAKSKSP AKAEA 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000111111111 11111111111111111111

>DM\_train260 GSPGIPMVAAHAAHSQSSAEWIACLDKRPLERSSEDVDIIFTRLKGVKAFEKFHPNLLRQICLCGYYEN LEKGITLFRQGDIGTNWYAVLAGSLDVKVSETSSHQDAVTICTLGIGTAFGESILDNTPRHATIVTRESSE LLRIEQEDFKALWEKYRQYMAGLLAPPYGVMETGSNNDRIPDKENVPSEKILRAGKILRIAILSRAPHMI RDRKYHLKTYRQCCVGTELVDWMIQQTSCVHSRTQAVGMWQVLLEDGVLNHVDQERHFQDKYLF YRFLDDEREDAPLPTEEEKKECDEELQDTMLLLSQMGPDAHMRMILRKPPGQRTVDDLEIIYDELLHIK ALSHLSTTVKRELAGVLIFESHAKGGTVLFNQGEEGTSWYIILKGSVNVVIYGKGVVCTLHEGDDFGKL ALVNDAPRAASIVLREDNCHFLRVDKEDFNRILRDVEANTVRLKEHDQDVLVLEKVP 111111111111111111000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000001111111111110000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0111111111111111111

>DM\_train261 MRGSHHHHHHSNFAIILAAGKGTRMKSDLPKVLHKVAGISMLEHVFRSVGAIQPEKTVTVVGHKAEL VEEVLAGQTEFVTQSEQLGTGHAVMMTEPILEGLSGHTLVIAGDTPLITGESLKNLIDFHINHKNVATIL TAETDNPFGYGRIVRNDNAEVLRIVEQKDATDFEKQIKEINTGTYVFDNERLFEALKNINTNNAQGEYY ITDVIGIFRETGEKVGAYTLKDFDESLGVNDRVALATAESVMRRRINHKHMVNGVSFVNPEATYIDIDV EIAPEVQIEANVILKGQTKIGAETVLTNGTYVVDSTIGAGAVITNSMIEESSVADGVTVGPYAHIRPNSS LGAQVHIGNFVEVKGSSIGENTKAGHLTYIGNCEVGSNVNFGAGTITVNYDGKNKYKTVIGDNVFVG SNSTIIAPVELGDNSLVGAGSTITKDVPADAIAIGRGRQINKDEYATRLPHHPKNQ 111111111100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 011111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train264 MEELNIDFDVFKKRIELLYSKYNEFEGSPNSLLFVLGSSNAENPYQKTTILHNWLLSYEFPATLIALVPGK VIIITSSAKAKHLQKAIDLFKDPESKITLELWQRNNKEPELNKKLFDDVIALINSAGKTVGIPEKDSYQGKF MTEWNPVWEAAVKENEFNVIDISLGLSKVWEVKDVNEQAFLSVSSKGSDKFMDLLSNEMVRAVDEE LKITNAKLSDKIENKIDDVKFLKQLSPDLSALCPPNYKFNFDLLDWTYSPIIQSGKKFDLRVSARSTNDQ LYGNGCILASCGIRYNNYCSNITRTFLIDPSEEMANNYDFLLTLQKEIVTNILKPGRTPKEVYESVIEYIEKT KPELVPNFTKNIGSLIGLEFRDSNFILNVKNDYRKIQRGDCFNISFGFNNLKDSQSANNYALQLADTVQ IPLDETEPPRFLTNYTKAKSQISFYFNNEEEDNNKKKSSPATKV 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000110000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000111 111111111111111

>DM\_train265 VSPKTYKDADFYVAPTQQDVNYDLVDDFGANGNDTSDDSNALQRAINAISRKPNGGTLLIPNGTYH FLGIQMKSNVHIRVESDVIIKPTWNGDGKNHRLFEVGVNNIVRNFSFQGLGNGFLVDFKDSRDKNLA VFKLGDVRNYKISNFTIDDNKTIFASILVDVTERNGRLHWSRNGIIERIKQNNALFGYGLIQTYGADNIL FRNLHSEGGIALRMETDNLLMKNYKQGGIRNIFADNIRCSKGLAAVMFGPHFMKNGDVQVTNVSSV SCGSAVRSDSGFVELFSPTDEVHTRQSWKQAVESKLGRGCAQTPYARGNGGTRWAARVTQKDACL DKAKLEYGIEPGSFGTVKVFDVTARFGYNADLKQDQLDYFSTSNPMCKRVCLPTKEQWSKQGQIYIG PSLAAVIDTTPETSKYDYDVKTFNVKRINFPVNSHKTIDTNTESSRVCNYYGMSECSSSRWER 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000111111111111111 111111100000111111111111000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000

>DM\_train266 MCYASMEMSAPIRFGTEGFRGVIAREFTFATLHRLAEAYGRHLLERGGGLVVVGHDTRFLADAFARAL SGHLAGMGLKVVLLKGPVPTPLLSFAVRHLKAAGGAMLTASHNPPQYLGVKFKDATGGPIAQEEAKA IEALVPEEARALEGAYETLDLREAYFEALKAHLDLKALSGFSGVLYHDSMGGAGAGFLKGFLRHVGLEIP VRPIREEPHPLFHGVNPEPIPKNLGVTLAVLGPETPPSFAVATDGDADRVGVVLPGGVFFNPHQVLTT LALYRFRKGHRGRAVKNFAVTWLLDRLGERLGFGVTTTPVGFKWIKEEFLKGDCFIGGEESGGVGYPE HLPERDGILTSLLLLESVAATGKDLAEQFKEVEALTGLTHAYDRLDLPLKAPLDLTPFREPRPLAGLTPKG VDTLDGVKWLYEEAWVLFRASGTEPVVRIYVEAQSPELVRALLEEARKLVEG 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train267 GRPANANSGFYVSGTTLYDANGNPFVMRGINHGHAWYKDQATTAIEGIANTGANTVRIVLSDGGQ WTKDDIQTVRNLISLAEDNNLVAVLEVHDATGYDSIASLNRAVDYWIEMRSALIGKEDTVIINIANEWF GSWDGAAWADGYKQAIPRLRNAGLNNTLMIDAAGWGQFPQSIHDYGREVFNADPQRNTMFSIH MYEYAGGNASQVRTNIDRVLNQDLALVIGEFGHRHTNGDVDESTIMSYSEQRGVGWLAWSWKGN GPEWEYLDLSNDWAGNNLTAWGNTIVNGPYGLRETSKLSTVFTGGGSDGRTSPTTLYDFEESTQGW TGSSLSRGPWTVTEWSSKGNHSLKADIQMSSNSQHYLHVIQNRSLQQNSRIQATVKHANWGSVG NGMTARLYVKTGHGYTWYSGSFVPINGSSGTTLSLDLSNVQNLSQVREIGVQFQSESNSSGQTSIYID NVIVE 000001100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000011111111100000000000000000000000000000000000000000000000000000000000000 000000000011111110000000000000000000000000000000000000000000000000000000000 00000000000000

>DM\_train268 MGSDKIHHHHHHMFLGEDYLLTNRAAVRLFNEVKDLPIVDPHNHLDAKDIVENKPWNDIWEVEGA TDHYVWELMRRCGVSEEYITGSRSNKEKWLALAKVFPRFVGNPTYEWIHLDLWRRFNIKKVISEETAEE IWEETKKKLPEMTPQKLLRDMKVEILCTTDDPVSTLEHHRKAKEAVEGVTILPTWRPDRAMNVDKEG WREYVEKMGERYGEDTSTLDGFLNALWKSHEHFKEHGCVASDHALLEPSVYYVDENRARAVHEKAF SGEKLTQDEINDYKAFMMVQFGKMNQETNWVTQLHIGALRDYRDSLFKTLGPDSGGDISTNFLRIAE GLRYFLNEFDGKLKIVLYVLDPTHLPTISTIARAFPNVYVGAPWWFNDSPFGMEMHLKYLASVDLLYN LAGMVTDSRKLLSFGSRTEMFRRVLSNVVGEMVEKGQIPIKEARELVKHVSYDGPKALFFG 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000

>DM\_train270 MELITILEKTVSPDRLELEAAQKFLERAAVENLPTFLVELSRVLANPGNSQVARVAAGLQIKNSLTSKDP DIKAQYQQRWLAIDANARREVKNYVLQTLGTETYRPSSASQCVAGIACAEIPVNQWPELIPQLVANV TNPNSTEHMKESTLEAIGYICQDIDPEQLQDKSNEILTAIIQGMRKEEPSNNVKLAATNALLNSLEFTKA NFDKESERHFIMQVVCEATQCPDTRVRVAALQNLVKIMSLYYQYMETYMGPALFAITIEAMKSDIDEV ALQGIEFWSNVCDEEMDLAIEASEAAEQGRPPEHTSKFYAKGALQYLVPILTQTLTKQDENDDDDD WNPCKAAGVCLMLLATCCEDDIVPHVLPFIKEHIKNPDWRYRDAAVMAFGCILEGPEPSQLKPLVIQ AMPTLIELMKDPSVVVRDTAAWTVGRICELLPEAAINDVYLAPLLQCLIEGLSA 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train271 MAIVPFKRDPTFYPSPKMAMKAPPEDLAYVACLYTGTGINRADFIAVVDVNPKSETYSKIVHKVELPYI NDELHHFGWNACSSALCPNGKPNIERRFLIVPGLRSSRIYIIDTKPNPREPKIIKVIEPEEVKKVSGYSRLH TVHCGPDAIYISALGNEEGEGPGGILMLDHYSFEPLGKWEIDRGDQYLAYDFWWNLPNEVLVSSEWA VPNTIEDGLKLEHLKDRYGNRIHFWDLRKRKRIHSLTLGEENRMALELRPLHDPTKLMGFINMVVSLKD LSSSIWLWFYEDGKWNAEKVIEIPAEPLEGNLPEILKPFKAVPPLVTDIDISLDDKFLYLSLWGIGEVRQY DISNPFKPVLTGKVKLGGIFHRADHPAGHKLTGAPQMLEISRDGRRVYVTNSLYSTWDNQFYPEGLK GWMVKLNANPSGGLEIDKEFFVDFGEARSHQVRLSGGDASSDSYCYP 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000

>DM\_train274 MSLDIQSLDIQCEELSDARWAELLPLLQQCQVVRLDDCGLTEARCKDISSALRVNPALAELNLRSNEL GDVGVHCVLQGLQTPSCKIQKLSLQNCCLTGAGCGVLSSTLRTLPTLQELHLSDNLLGDAGLQLLCE GLLDPQCRLEKLQLEYCSLSAASCEPLASVLRAKPDFKELTVSNNDINEAGVRVLCQGLKDSPCQLEAL KLESCGVTSDNCRDLCGIVASKASLRELALGSNKLGDVGMAELCPGLLHPSSRLRTLWIWECGITAKG CGDLCRVLRAKESLKELSLAGNELGDEGARLLCETLLEPGCQLESLWVKSCSFTAACCSHFSSVLAQNR FLLELQISNNRLEDAGVRELCQGLGQPGSVLRVLWLADCDVSDSSCSSLAATLLANHSLRELDLSNNC LGDAGILQLVESVRQPGCLLEQLVLYDIYWSEEMEDRLQALEKDKPSLRVIS 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000

>DM\_train275 MTQPELTPAQRTEVELLARGRADKSRVLRDLKLPETPEAAHALLLRLGVWDEARTPYADRLRAALNA VELPVPDFDPAEERLDLTHLPTFAIDDEGNQDPDDAVGVEDLGGGLTRLWVHVADVAALVAPDSPL DLEARARGATLYLPDRTIGMLPDELVAKAGLGLHEVSPALSICLDLDPDGNAEAVDVLLTRVKVQRLA YQEAQARLEAGEEPFVTLARLARASRRLREGEGALSIDLPEVRVKADETGASVFPLPKPEMRTVVQEC MTLAGWGTAIFADDNEIPLPFATQDYPTREVAGDTLPAMWARRKTLARTRFQPSPGPHHGMGLDLY AQATSPMRRYLDLVVHQQLRAFLAGRDPLSSKVMAAHIAESQMNADATRQAERLSRRHHTLRFIAA QPERVWDAVVVDRRGAQATLLIPDLAFDVQVNTPAAPGTALQVQFADIDLPQMRVRARSV 110000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train276 FSYGAAIPQSTQEKQFSQEFRDGYSILKHYGGNGPYSERVSYGIARDPPTSCEVDQVIMVKRHGERYP SPSAGKDIEEALAKVYSINTTEYKGDLAFLNDWTYYVPNECYYNAETTSGPYAGLLDAYNHGNDYKAR YGHLWNGETVVPFFSSGYGRVIETARKFGEGFFGYNYSTNAALNIISESEVMGADSLTPTCDTDNDQT TCDNLTYQLPQFKVAAARLNSQNPGMNLTASDVYNLMVMASFELNARPFSNWINAFTQDEWVSF GYVEDLNYYYCAGPGDKNMAAVGAVYANASLTLLNQGPKEAGSLFFNFAHDTNITPILAALGVLIPN EDLPLDRVAFGNPYSIGNIVPMGGHLTIERLSCQATALSDEGTYVRLVLNEAVLPFNDCTSGPGYSCPL ANYTSILNKNLPDYTTTCNVSASYPQYLSFWWNYNTTTELNYRSSPIACQEGDAMD 111111111111100000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000011110000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000

>DM\_train279 LERGRDYEKNKVCKEFSHLGKEDFTSLSLVLYSRKFPSGTFEQVSQLVKEVVSLTEACCAEGADPDCYD TRTSALSAKSCESNSPFPVHPGTAECCTKEGLERKLCMAALKHQPQEFPTYVEPTNDEICEAFRKDPKE YANQFMWEYSTNYGQAPLSLLVSYTKSYLSMVGSCCTSASPTVCFLKERLQLKHLSLLTTLSNRVCSQ YAAYGEKKSRLSNLIKLAQKVPTADLEDVLPLAEDITNILSKCCESASEDCMAKELPEHTVKLCDNLSTK NSKFEDCCQEKTAMDVFVCTYFMPAAQLPELPDVELPTNKDVCDPGNTKVMDKYTFELSRRTHLPE VFLSKVLEPTLKSLGECCDVEDSTTCFNAKGPLLKKELSSFIDKGQELCADYSENTFTEYKKKLAERLKAK LPDATPTELAKLVNKRSDFASNCCSINSPPLYCDSEIDAELKNIL 111111111111000000000000000000000000000000000000000000000001111111100000000 000000000000000000000001111000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000

>DM\_train280 MSLMLSHNPIVEPFALAHATIVTGDKAGTILRNMTIVVGADGRIEQVAPSIETSIPAEYHYLDGTGKIVM PGLINAHTHLFSQGKPLNPKLATPKGQRMVATFAHSPLGKPYMAATVKHNATTLLESGVTTIRTLGDV GYEVVTLRDQIDAGQILGPRILASGPLMAIPEGHGAPLIALTSGTPEEARTAVAQNLKAGVNAIKIAAT GGVTDAQEIGEAGSPQMSVEQMRAICDEAHQYGVIVGAHAQSPEGVRRSLLAGVDTIEHGSVLDDE LIGMFRHNPNALRGYSALIPTLSAGLPLTLLGQDVTGITDIQLENSKNVVGGMVSGARQAHEAGLMIG VGTDTGMTFVPQYATWRELELLVAYAGFSPAEALHAATAVNASILGVDAETGSLEVGKSADLLVLNA NPLDDLRALEHPALVIAAGHPVWRPGPKRFADIDALLDEAYAEGHHHHHH

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>DM\_train282 MGSSGHIEGRHMGKNVLLLGSGFVAQPVIDTLAANDDINVTVACRTLANAQALAKPSGSKAISLDVT DDSALDKVLADNDVVISLIPYTFHPNVVKSAIRTKTDVVTSSYISPALRELEPEIVKAGITVMNEIGLDPGI DHLYAVKTIDEVHRAGGKLKSFLSYCGGLPAPEDSDNPLGYKFSWSSRGVLLALRNSAKYWKDGKIET VSSEDLMATAKPYFIYPGYAFVCYPNRDSTLFKDLYHIPEAETVIRGTLRYQGFPEFVKALVDMGMLKD DANEIFSKPIAWNEALKQYLGAKSTSKEDLIASIDSKATWKDDEDRERILSGFAWLGLFSDAKITPRGNA LDTLCARLEELMQYEDNERDMVVLQHKFGIEWADGTTETRTSTLVDYGKVGGYSSMAATVGYPVAI ATKFVLDGTIKGPGLLAPYSPEINDPIMKELKDKYGIYLKEKTVA 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000

>DM\_train283 MSQTTTNPHVAVLAFPFSTHAAPLLAVVRRLAAAAPHAVFSFFSTSQSNASIFHDSMHTMQCNIKSY DISDGVPEGYVFAGRPQEDIELFTRAAPESFRQGMVMAVAETGRPVSCLVADAFIWFAADMAAEMG VAWLPFWTAGPNSLSTHVYIDEIREKIGVSGIQGREDELLNFIPGMSKVRFRDLQEGIVFGNLNSLFSR MLHRMGQVLPKATAVFINSFEELDDSLTNDLKSKLKTYLNIGPFNLITPPPVVPNTTGCLQWLKERKPT SVVYISFGTVTTPPPAEVVALSEALEASRVPFIWSLRDKARVHLPEGFLEKTRGYGMVVPWAPQAEVLA HEAVGAFVTHCGWNSLWESVAGGVPLICRPFFGDQRLNGRMVEDVLEIGVRIEGGVFTKSGLMSCF DQILSQEKGKKLRENLRALRETADRAVGPKGSSTENFITLVDLVSKPKDV 111111000000000000000000000000000000000000000000000001111111000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000011111111100000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000

>DM\_train284 MNYPAEPFRIKSVETVSMIPRDERLKKMQEAGYNTFLLNSKDIYIDLLTDSGTNAMSDKQWAGMMM GDEAYAGSENFYHLERTVQELFGFKHIVPTHQGRGAENLLSQLAIKPGQYVAGNMYFTTTRYHQEKN GAVFVDIVRDEAHDAGLNIAFKGDIDLKKLQKLIDEKGAENIAYICLAVTVNLAGGQPVSMANMRAV RELTEAHGIKVFYDATRCVENAYFIKEQEQGFENKSIAEIVHEMFSYADGCTMSGKKDCLVNIGGFLC MNDDEMFSSAKELVVVYEGMPSYGGLAGRDMEAMAIGLREAMQYEYIEHRVKQVRYLGDKLKAAG VPIVEPVGGHAVFLDARRFCEHLTQDEFPAQSLAASIYVETGVRSMERGIISAGRNNVTGEHHRPKLET



>DM\_train286 CFAKGTNVLMADGSIECIENIEVGNKVMGKDGRPREVIKLPRGRETMYSVVQKSQHRAHKSDSSREV PELLKFTCNATHELVVRTPRSVRRLSRTIKGVEYFEVITFEMGQKKAPDGRIVELVKEVSKSYPISEGPERA NELVESYRKASNKAYFEWTIEARDLSLLGSHVRKATYQTYAPILYENDHFFDYMQKSKFHLTIEGPKVL AYLLGLWIGDGLSDRATFSVDSRDTSLMERVTEYAEKLNLCAEYKDRKEPQVAKTVNLYSKVVRGNGI RNNLNTENPLWDAIVGLGFLKDGVKNIPSFLSTDNIGTRETFLAGLIDSDGYVTDEHGIKATIKTIHTSV RDGLVSLARSLGLVVSVNAEPAKVDMNGTKHKISYAIYMSGGDVLLNVLSKCAGSKKFRPAPAAAFA RECRGFYFELQELKEDDYYGITLSDDSDHQFLLANQVVVHN 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000001111111111111111 100000000000000000000000000000000000000000001111100000000000000000000000000 000000000000000000000000000011111111111111111111111111100000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000

>DM\_train287 GAPIHDPDFIGGIGKELIVDNASDVTSFYPSAFQEHLNFIPAPTTGSGCTRIPSFDMSATHYCYTHNVIL SGCRDHSHSHQYLALGVLRTTATGRIFFSTLRSISLDDTQNRKSCSVSATPLGCDMLCSKVTETEEEDY NSAVPTLMAHGRLGFDGQYHEKDLDVTTLFEDWVANYPGVGGGSFIDGRVWFSVYGGLKPNSPSD TVQEGKYVIYKRYNDTCPDEQDYQIRMAKSSYKPGRFGGKRIQQAILSIKVSTSLGEDPVLTVPPNTVT LMGAEGRILTVGTSHFLYQRGSSYFSPALLYPMTVSNKTATLHSPYTFNAFTRPGSIPCQASARCPNSC VTGVYTDPYPLIFYRNHTLRGVFGTMLDSEQARLNPASAVFDSTSRSRITRVSSSSTKAAYTTSTCFKVV KTNKTYCLSIAEISNTLFGEFRIVPLLVEILKNDGVREARSG 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000001111 1111

>DM\_train289 LEDKDLRSIQEVRNLIESANKAQKELAAMSQQQIDTIVKAIADAGYGAREKLAKMAHEETGFGIWQD KVIKNVFASKHVYNYIKDMKTIGMLKEDNEKKVMEVAVPLGVVAGLIPSTNPTSTVIYKTLISIKAGNSIV FSPHPNALKAILETVRIISEAAEKAGCPKGAISCMTVPTIQGTDQLMKHKDTAVILATGGSAMVKAAYS SGTPAIGVGPGNGPAFIERSANIPRAVKHILDSKTFDNGTICASEQSVVVERVNKEAVIAEFRKQGAHF LSDAEAVQLGKFILRPNGSMNPAIVGKSVQHIANLAGLTVPADARVLIAEETKVGAKIPYSREKLAPILA



>DM\_train290 MASLPILTVLEQSQVSPPPDTLGDKSLQLTFFDFFWLRSPPINNLFFYELPITRSQFTETVVPNIKHSLSIT LKHFYPFVGKLVVYPAPTKKPEICYVEGDSVAVTFAECNLDLNELTGNHPRNCDKFYDLVPILGESTRLS DCIKIPLFSVQVTLFPNQGIAIGITNHHCLGDASTRFCFLKAWTSIARSGNNDESFLANGTRPLYDRIIKY PMLDEAYLKRAKVESFNEDYVTQSLAGPSDKLRATFILTRAVINQLKDRVLAQLPTLEYVSSFTVACAYI WSCIAKSRNDKLQLFGFPIDRRARMKPPIPTAYFGNCVGGCAAIAKTNLLIGKEGFITAAKLIGENLHKT LTDYKDGVLKDDMESFNDLVSEGMPTTMTWVSGTPKLRFYDMDFGWGKPKKLETVSIDHNGAISIN SCKESNEDLEIGVCISATQMEDFVHIFDDGLKAYL 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000011111000000 000000000000000000000000000000000000000000000000000000000000000000000000000 1111

>DM\_train291 MKTLSPAVITLLWRQDAAEFYFSRLSHLPWAMLLHSGYADHPYSRFDIVVAEPICTLTTFGKETVVSES EKRTTTTDDPLQVLQQVLDRADIRPTHNEDLPFQGGALGLFGYDLGRRFESLPEIAEQDIVLPDMAVG IYDWALIVDHQRHTVSLLSHNDVNARRAWLESQQFSPQEDFTLTSDWQSNMTREQYGEKFRQVQE YLHSGDCYQVNLAQRFHATYSGDEWQAFLQLNQANRAPFSAFLRLEQGAILSLSPERFILCDNSEIQT RPIKGTLPRLPDPQEDSKQAVKLANSAKDRAENLMIVDLMRNDIGRVAVAGSVKVPELFVVEPFPAV HHLVSTITAQLPEQLHASDLLRAAFPGGSITGAPKVRAMEIIDELEPQRRNAWCGSIGYLSFCGNMDT SITIRTLTAINGQIFCSAGGGIVADSQEEAEYQETFDKVNRILKQLEK 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000011111111111111111111111110000 000000000000000000000000000111111111111110000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000

>DM\_train293 MEALNQSQAATGAPVITDLKVVPVAGHDSMLLNLSGAHGPLFTRNILILTDSSGHVGVGEVPGGEGI RKTLEDARHLLINQSIGNYQSLLNKVRNAFADRDVGGRGLQTFDLRIAVHAVTAVESALLDLLGQHL QVPVAALLGEGQQRDAVEMLGYLFYVGDRNKTDLGYRSEHEADNEWFRLRNKEALTPESVVALAEA AYDRYGFKDFKLKGGVLRGEDEIAAVTALSERFPDARITLDPNGAWSLKEAVALCRDQHHVLAYAED



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>DM\_train294 IIQVSPAGSMDLLSQLEVERLKKTASSDLYQLYRNCSLAVLNSGSHTDNSKELLDKYKNFDITVMRRER GIKLELANPPEHAFVDGQIIKGIQEHLFSVLRDIVYVNMHLADSQRLNLTNATHITNLVFGILRNAGALI PGATPNLVVCWGGHSINEVEYQYTREVGHELGLRELNICTGCGPGAMEGPMKGAAVGHAKQRYSE YRYLGLTEPSIIAAEPPNPIVNELVIMPDIEKRLEAFVRMAHGIIIFPGGPGTAEELLYILGIMMHPENADQ PMPIVLTGPKQSEAYFRSLDKFITDTLGEAARKHYSIAIDNPAEAARIMSNAMPLVRQHRKDKEDAYSF NWSLKIEPEFQLPFEPNHESMANLDLHLNQRPEVLAANLRRAFSGVVAGNVKAEGIREIERHGPFEM HGDPVLMKKMDQLLNDFVAQNRMKLPGGSAYEPCYKIVT 000000000000000000000000000000000000000000000011000000000000000000000000000 000000000000000000000000000000000001111111110000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train295 MKTWPAPTAPTPVRATVTVPGSKSQTNRALVLAALAAAQGRGASTISGALRSRDTELMLDALQTLGL RVDGVGSELTVSGRIEPGPGARVDCGLAGTVLRFVPPLAALGSVPVTFDGDQQARGRPIAPLLDALRE LGVAVDGTGLPFRVRGNGSLAGGTVAIDASASSQFVSGLLLSAASFTDGLTVQHTGSSLPSAPHIAMT AAMLRQAGVDIDDSTPNRWQVRPGPVAARRWDIEPDLTNAVAFLSAAVVSGGTVRITGWPRVSVQ PADHILAILRQLNAVVIHADSSLEVRGPTGYDGFDVDLRAVGELTPSVAALAALASPGSVSRLSGIAHL RGHETDRLAALSTEINRLGGTCRETPDGLVITATPLRPGIWRAYADHRMAMAGAIIGLRVAGVEVDDI AATTKTLPEFPRLWAEMVGPGQGWGYPQPRSGQRARRATGQGSGG 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000011111111111111111111111111 >DM\_train296 RQGCEARRAHEHLIRLLLEQGKCPEDGWDESTLELFLHELAVMDSNNFLGNCGVGEREGRVASALVA RRHYRFIHGIGRSGDISAVQPKAAGSSLLNKITNSLVLNVIKLAGVHSVASCFVVPMATGMSLTLCFLTL RHKRPKAKYIIWPRIDQKSCFKSMVTAGFEPVVIENVLEGDELRTDLKAVEAKIQELGPEHILCLHSTTA CFAPRVPDRLEELAVICANYDIPHVVNNAYGLQSSKCMHLIQQGARVGRIDAFVQSLDKNFMVPVG

GAIIAGFNEPFIQDISKMYPGRASASPSLDVLITLLSLGCSGYRKLLKERKEMFVYLSTQLKKLAEAHNER LLQTPHNPISLAMTLKTIDGHHDKAVTQLGSMLFTRQVSGARAVPLGNVQTVSGHTFRGFMSHADN YPCAYLNAAAAIGMKMQDVDLFIKRLDKCLNIVRKEQTRA 111100000000000000000000000000000000000000000000000000000000000000000000000 000011111110000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000001 >DM\_train297 SKYVDRVIAEVEKKYADEPEFVQTVEEVLSSLGPVVDAHPEYEEVALLERMVIPERVIEFRVPWEDDNG KVHVNTGYRVQFNGAIGPYLGGLRFAPSVNLSIMKFLGFEQAFKDSLTTLPMGGAKGGSDFDPNGKS DREVMRFCQAFMTELYRHIGPDIDVPAGDLGVGAREIGYMYGQYRKIVGGFYNGVLTGKARSFGGSL VRPEATGYGSVYYVEAVMKHENDTLVGKTVALAGFGNVAWGAAKKLAELGAKAVTLSGPDGYIYDP EGITTEEKINYMLEMRASGRNKVQDYADKFGVQFFPGEKPWGQKVDIIMPCATQNDVDLEQAKKIV ANNVKYYIEVANMPTTNEALRFLMQQPNMVVAPSKAVNAGGVLVVGFEMSQNSERLSWTAEEVD SKLHQVMTDIHDGSAAAAERYGLGYNLVAGANIVGFQKIADAMMAQGIAW 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000111111111111000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000111111111100000000000000000000000000000000000000000000000000000000 >DM\_train298 GAADPVVVPANMEPLTIEGNRFVTLCIMIRTTPWEVSRDVKLHPRDEVDWHTLEGVRALREAFATNN PNGRLTWGFTMNALEDGRKNYREIRDYVVECQKKYGDEVTYFPGYFPAMYLPRERVNREMSEAIEIIS KMVGNGYRPQSIMGGFLSADNLRYLAEKENIHVAHAVIWSQHNIDGGGADGSPSYPFYPSTEHFCK PAQGKSDFIDCVNLDGWTMDFICARRSGQTGHGIDGYNSRRGVGPIETYKGWGLDLGHREVMHTE AIHFDKGLELNGFGWVANIWEAQMVHEFGKDLICDAMKMWVTGTKERWPDTHFVTFGEFGELWR KQYKSNDDWNYRFVERGSGLGDSYNNLEIKWFMNKEFRLALLRDWHTKNSPAYVIDFTRYDLQAHE PADPSPEKPAKDWSLINKINQKALRPQDKPVLIDKLEKEDQDLIRKYYPELLK 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000011000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000000001 >DM\_train300 MGSDKIHHHHHHMTFEEFKDRLFALAKKNGVEVQISFLETREFSLRLANGDLDQYTDAGKFNVEIKVL KDGKTGTFRTQVLENPEKCFEEALSNLQVKDSEEKEYFFEGGKEYREMETYVGRFEKLSVKEKMDMAK KAHESAAKDERVVMVPTVMYKDMVIKKIITNTLGLDVESQMDGGFLFAMAIARDANPRSGSWYELA RTPEDLNPEEIGKRAAEEAISLIGSKTIPSGKYPVLMRNTALLDLMEMFIPMISAENVQKNLSPLKGKLGE QVGNPAVSIKDLPYHPKGLSSTPFDDEGVPTTEKFVLENGVLKTFLHNLKTARKEGVEPTGNGFVGGIR PVNLMLMPGEKSFEELLKEMDRGVVITEVEGMHAGANSISGEFSLFAKGYWVENGEIAHGVEDITISG

NFLDLLRKIVLVGNDVKVSQHTIAPSVLVEVLDVAGK 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000001111000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000011 >DM\_train301 ASMKETNQKPYKETYGISHITRHDMLQIPEQQKNEKYQVPEFDSSTIKNISSAKGLDVWDSWPLQNA DGTVANYHGYHIVFALAGDPKNADDTSIYMFYQKVGETSIDSWKNAGRVFKDSDKFDANDSILKDQ TQEWSGSATFTSDGKIRLFYTDFSGKHYGKQTLTTAQVNVSASDSSLNINGVEDYKSIFDGDGKTYQN VQQFIDEGNYSSGDNHTLRDPHYVEDKGHKYLVFEANTGTEDGYQGEESLFNKAYYGKSTSFFRQES QKLLQSDKKRTAELANGALGMIELNDDYTLKKVMKPLIASNTVTDEIERANVFKMNGKWYLFTDSRG SKMTIDGITSNDIYMLGYVSNSLTGPYKPLNKTGLVLKMDLDPNDVTFTYSHFAVPQAKGNNVVITSY MTNRGFYADKQSTFAPSFLLNIKGKKTSVVKDSILEQGQLTVNK 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train302 MKGRLISSDPYRQQFLVERAVSFSHRQRDCSELISVLPRHALQQIDGFGGSFTEGAGVVFNSMSEKTK AQFLSLYFSAQEHNYTLARMPIQSCDFSLGNYAYVDSSADLQQGRLSFSRDEAHLIPLISGALRLNPH MKLMASPWSPPAFMKTNNDMNGGGKLRRECYADWADIIINYLLEYRRHGINVQALSVQNEPVAVK TWDSCLYSVEEETAFAVQYLRPRLARQGMDEMEIYIWDHDKDGLVDWAELAFADEANYKGINGLAF HWYTGDHFSQIQYLAQCLPDKKLLFSEGCVPMESDAGSQIRHWHTYLHDMIGNFKSGCSGFIDWNL LLNSEGGPNHQGNLCEAPIQYDAQNDVLRRNHSWYGIGHFCRYVRPGARVMLSSSYDNLLEEVGFV NPDGERVLVVYNRDVQERRCRVLDGDKEIALTLPPSGASTLLWRQESI 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000001 >DM\_train303 NAWEVNFDGLVGLTHHYAGLSFGNEASTRHRFQVSNPRLAAKQGLLKMKALADAGFPQAVIPPHE RPFIPVLRQLGFSGSDEQVLEKVARQAPHWLSSVSSASPMWVANAATIAPSADTLDGKVHLTVANL NNKFHRSLEAPVTESLLKAIFNDEEKFSVHSALPQVALLGDEGAANHNRLGGHYGEPGMQLFVYGRE EGNDTRPSRYPARQTREASEAVARLNQVNPQQVIFAQQNPDVIDQGVFHNDVIAVSNRQVLFCHQ QAFARQSQLLANLRARVNGFMAIEVPATQVSVSDTVSTYLFNSQLLSRDDGSMMLVLPQECREHAG VWGYLNELLAADNPISELKVFDLRESMANGGGPACLRLRVVLTEEERRAVNPAVMMNDTLFNALND WVDRYYRDRLTAADLADPQLLREGREALDVLSQLLNLGSVYPFQREGGGNG 000000000000000000111111111110000000000000000000000000000000000000000000000

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>DM\_train304 MSDQPIIRRRQVKTGISDARANNAKTQSQYQPYKDAAWGFINHWYPALFTHELEEDQVQGIQICGV PIVLRRVNGKVFALKDQCLHRGVRLSEKPTCFTKSTISCWYHGFTFDLETGKLVTIVANPEDKLIGTTGV TTYPVHEVNGMIFVFVREDDFPDEDVPPLAHDLPFRFPERSEQFPHPLWPSSPSVLDDNAVVHGMH RTGFGNWRIACENGFDNAHILVHKDNTIVHAMDWVLPLGLLPTSDDCIAVVEDDDGPKGMMQWL FTDKWAPVLENQELGLKVEGLKGRHYRTSVVLPGVLMVENWPEEHVVQYEWYVPITDDTHEYWEIL VRVCPTDEDRKKFQYRYDHMYKPLCLHGFNDSDLYAREAMQNFYYDGTGWDDEQLVATDISPITW RKLASRWNRGIAKPGRGVAGAVKDTSLIFKQTADGKRPGYKVEQIKEDH 111111111111111000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000001111 >DM\_train305 MREIVHIQAGQCGNQIGAKFWEVISDEHGIDPTGSYHGDSDLQLERINVYYNEAAGNKYVPRAILVD LEPGTMDSVRSGPFGQIFRPDNFVFGQSGAGNNWAKGHYTEGAELVDSVLDVVRKESESCDCLQGF QLTHSLGGGTGSGMGTLLISKIREEYPDRIMNTFSVVPSPKVSDTVVEPYNATLSVHQLVENTDETYCI DNEALYDICFRTLKLTTPTYGDLNHLVSATMSGVTTCLRFPGQLNADLRKLAVNMVPFPRLHFFMPGF APLTSRGSQQYRALTVPELTQQMFDAKNMMAACDPRHGRYLTVAAVFRGRMSMKEVDEQMLNV QNKNSSYFVEWIPNNVKTAVCDIPPRGLKMSATFIGNSTAIQELFKRISEQFTAMFRRKAFLHWYTGE GMDEMEFTEAESNMNDLVSEYQQYQDATADEQGEFEEEGEEDEA 000000000000000000000000000000011111111111111111000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000111111111111111111 >DM\_train306 GKKAVINDSNTPLHLLQPAYQGTYGDLTPEQVKKDIDRVFAYIDKETPARVVDKNTGKVITDYTAMG DEAQLERGAFRLASYEWGVTYSALIAAAETTGDKRYTDYVQNRFRFLAEVAPHFKRVYEEKGKTDSQL LQILTPHALDDAGAVCTAMIKLRLKDESLPVDGLIQNYFDFIINKEYRLADGTFARNRPQRNTLWLDD MFMGIPAVAQMSRYDKEAKNKYLAEAVKQFLQFADRMFIPEKGLYRHGWVESSTDHPAFCWARAN GWALLTACELLDVLPEDYPQRPKVMDYFRAHVRGVTALQSGEGFWHQLLDCNDSYLETSATAIYVY CLAHAINKGWIDAIAYGPVAQLGWHAVAGKINEEGQVEGTCVGTGMAFDPAFYYYRPVNVYAAHG YGPVLWAGAEMIRLLNTQHPQMNDSAVQYYQEKQKTTAPIFAVDSE 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train311 MERVNVVGAGLAGSEAAWTLLRLGVPVRLFEMRPKRMTPAHGTDRFAEIVCSNSLGGEGETNAKGL LQAEMRRAGSLVMEAADLARVPAGGALAVDREEFSGYITERLTGHPLLEVVREEVREIPPGITVLATGP LTSEALAEALKRRFGDHFLAYYDAASPIVLYESIDLTKCFRAGRYGQSADYLNCPMTEEEYRRFHQALLE AQRHTPHDWEKLEFFEACVPVEELARRGYQTLLFGPMKPVGLVDPRTGKEPFAVVQLRQEDKAGRM WSLVGFQTGLKWPEQKRLIQMIPGLENAEIVRYGVMHRNTYLNAPRLLGETLEFREAEGLYAAGVLA GVEGYLESAATGFLAGLNAARKALGLPPVAPPEESMLGGLVRYLATANPEGFQPMYANWGLVPPVE GRMGKKEKRQAMYRRGLEAFSAWLSGLNPPLPRPEAALV 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000111110000000000000000000000000001111111000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000001111111 >DM\_train312 MRIDPFKLAHWMNARKYTAAQTADLAGLPLDDLRRLLGDEANEPDPAAATALAEALSVEPSQLAAD AHRNLTVVHKSAEEMHASRRPIQRDGIHFYNYYTLAAPEGRVAPVVLDILCPSDRLPALNNGHLEPAI TVNLGPGDINGRWGEEITPQTWRVLHANHGGDRWITGDSYVEPSYCPHSYSLAGDAPARIVSYTAQ SNISPLMTEANNWSTGAFEEALKALSGKVSAGSVLDLFLARRAHTRTSAAEAAGVPPADLEAALRSPA SETGLTVLRTLGRALGFDYRVLLPADDQHDGVGKTWTTIEDSRRSRRTFGTYEAASMASAAHLPDLV GSFLRVDADGRGADLIDHAENHYVVTEGRLTLEWDGPDGPASVELEPDGSAWTGPFVRHRWHGTG TVLKFGSGAHLGYQDWLELTNTFEPAATLRRGRRDLAGWGYDN 000000000000000000000000000000000000011111111000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000001100 000000000000000000000000000000000000000000111111000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000111111111 >DM\_train313 MWEANELSSTNTFSHQAEMDWPSANWWQRYQDAQLNHLIEEALQHSPSLCMAMARLKGAQGF ARQAGAIRSFDLGLAASATESKVSERYQSATPPDGWNDYGTLTLNFQYDFDFWGKNRAAVVAATSE LAAAEAESVAARLMISTSIANAYAELARLYANQETVHAALQVRNKTVELLEKRYANGLETLGSVSQAK AVAASVEAELLGIQESIQLQKNALAALVGQGPDRAASIEEPHITLTSRYGLPSEAGVGLLGHRADITAA RWRAEAAAQQVGIAQAQFYPDVTLSAFIGYQAFGLDHLFDSGNDAGAIGPAIYLPLFTGGRLEGQLT SAEARYQEAVAQYNGTLVQALHEIADVVTSSQALQARINKTEQAVQQAEQALHIATNRYQGGLATY LDVLVAEESLLNNQRALVNLQSRAFSLDLALIHALGGGFETTES 111111111111111111110000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000001111111000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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MPKLVTWMNNQRVGELTKLANGAHTFKYAPEWLASRYARPLSLSLPLQRGNITSDAVFNFFDNLLP DSPIVRDRIVKRYHAKSRQPFDLLSEIGRDSVGAVTLIPEDETVTHPIMAWEKLTEARLEEVLTAYKADIP LGMIREENDFRISVAGAQEKTALLRIGNDWCIPKGITPTTHIIKLPIGEIRQPNATLDLSQSVDNEYYCLL LAKELGLNVPDAEIIKAGNVRALAVERFDRRWNAERTVLLRLPQEDMCQTFGLPSSVKYESDGGPGIA RIMAFLMGSSEALKDRYDFMKFQVFQWLIGATQGHAKNFSVFIQAGGSYRLTPFYDIISAFPVLGGTGI HISDLKLAMGLNASKGKKTAIDKIYPRHFLATAKVLRFPEVQMHEILSDFARMIPAALDNVKTSLPTDFP ENVVTAVESNVLRLHGRLSREYGSK 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000011110000000000000000000001111111111100000 000000000000000000000000000000000011111111111000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000111 >DM\_train320 MKPLSSPLQQYWQTVVERLPEPLAEESLSAQAKSVLTFSDFVQDSVIAHPEWLTELESQPPQADEWQ HYAAWLQEALCNVSDEAGLMRELRLFRRRIMVRIAWAQTLALVTEESILQQLSYLAETLIVAARDWLY DACCREWGTPCNAQGEAQPLLILGMGKLGGGELNFSSDIDLIFAWPEHGCTQGGRRELDNAQFFTR MGQRLIKVLDQPTQDGFVYRVDMRLRPFGESGPLVLSFAALEDYYQEQGRDWERYAMVKARIMGD SEGVYANELRAMLRPFVFRRYIDFSVIQSLRNMKGMIAREVRRRGLTDNIKLGAGGIREIEFIVQVFQLIR GGREPSLQSRSLLPTLSAIAELHLLSENDAEQLRVAYLFLRRLENLLQSINDEQTQTLPSDELNRARLAW AMDFADWPQLTGALTAHMTNVRRVFNELIGDDE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000001111111100000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000111 >DM\_train322 DIAVVGIGYVGLVSATCFAELGANVRCIDTDRNKIEQLNSGTIPIYEPGLEKMIARNVKAGRLRFGTEIE QAVPEADIIFIAVGTPAGEDGSADMSYVLDAARSIGRAMSRYILIVTKSTVPVGSYRLIRKAIQEELDKRE VLIDFDIASNPEFLKEGNAIDDFMKPDRVVVGVDSDRARELITSLYKPMLLNNFRVLFMDIASAEMTKY AANAMLATRISFMNDVANLCERVGADVSMVRLGIGSDSRIGSKFLYPGCGYGGSCFPKDVKALIRTA EDNGYRMEVLEAVERVNEKQKSILFDKFSTYYKGNVQGRCVAIWGLSFKPGTDDMREAPSLVLIEKLL EVGCRVRVYDPVAMKEAQKRLGDKVEYTTDMYDAVRGAEALFHVTEWKEFRMPDWSALSQAMAA SLVIDGRNVYELPADSDFTLLNIGNSAIES 000000000000000000000000000000000000000011110000000000000000000000000000000 000000000000110000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000011111000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000011100000000111111 >DM\_train323 GRDAPAPAASQPSGCGKHNSPERKVYMDYNATTPLEPEVIQAMTKAMWEAWGNPSSPYSAGRKA KDIINAARESLAKMIGGKPQDIIFTSGGTESNNLVIHSVVKHFHANQTSKGHTGGHHSPVKGAKPHFIT

SSVEHDSIRLPLEHLVEEQVAAVTFVPVSKVSGQTEVDDILAAVRPTTRLVTIMLANNETGIVMPVPEIS QRIKALNQERVAAGLPPILVHTDAAQALGKQRVDVEDLGVDFLTIVGHKFYGPRIGALYIRGLGEFTPL YPMLFGGGQERNFRPGTENTPMIAGLGKAAELVTQNCEAYEAHMRDVRDYLEERLEAEFGQKRIHL



>DM\_train324 MAAGTFTAQNKVRPGVYINFKSEPQAAGTLGERGIVSMPLILSWGEPGKMITIEAGDDVFPKLGYSIM DAQLRLINEALKRAKTLLLYRLNAGTKAAVTVGNLTVTAKWGGARGNDITLVIQENIDDETKFDVSTLV DGAELDKQTVSDIAGLAANDWVIFSGTGALTETAGAPLINGSDGAVTNQAYIDYLAAVEIFDFNTIAL PSTDDALKATFTAFAKRLRDDEGKKIQVVLENYPAADYEGVISVKNGVVLADGTILTAAQATAWVAG ATAGARVNESLTYQGYDEAVDVAPRYTNAQIIAALQAGEFLFTASDNQALVEQDINTLTSFTADKGK QFAKNRVIRVLDGINNDFVRIFSKFYIGKVSNNADGRNLLKSECINYMNTLQDIDAIKNFDGQTDLTV QSGNDVDAVYIEAYAWPVDSIEKIYVRVRIK 111111111111110000000000011110000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000001111000000 000000000000000000000000000000000011000000000000000000000000000

>DM\_train325 GAMDPSQYASSSSWTSFLKSIASFNGDLSSLSAPPFILSPISLTEFSQYWAEHPELFLEPSFINDDNYKEH CLIDPEVESPELARMLAVTKWFISTLKSQYCSRNESLGSEKKPLNPFLGELFVGKWENKEHPEFGETVLL SEQVSHHPPVTAFSIFNDKNKVKLQGYNQIKASFTKSLMLTVKQFGHTMLDIKDESYLVTPPPLHIEGIL VASPFVELEGKSYIQSSTGLLCVIEFSGRGYFSGKKNSFKARIYKDSKDSKDKEKALYTISGQWSGSSKIIK ANKKEESRLFYDAARIPAEHLNVKPLEEQHPLESRKAWYDVAGAIKLGDFNLIAKTKTELEETQRELRKE EEAKGISWQRRWFKDFDYSVTPEEGALVPEKDDTFLKLASALNLSTKNAPSGTLVGDKEDRKEDLSSIH WRFQRELWDEEKEIVL 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000

>DM\_train326 STLHGISHIFSYERLSLKRVVWALCFMGSLALLALVCTNRIQYYFLYPHVTKLDEVAATRLTFPAVTFCNL NEFRFSRVTKNDLYHAGELLALLNNRYEIPDTQTADEKQLEILQDKANFRNFKPKPFNMLEFYDRAGH DIREMLLSCFFRGEQCSPEDFKVVFTRYGKCYTFNAGQDGKPRLITMKGGTGNGLEIMLDIQQDEYLP VWGETDETSFEAGIKVQIHSQDEPPLIDQLGFGVAPGFQTFVSCQEQRLIYLPPPWGDCKATTGDSEF

YDTYSITACRIDCETRYLVENCNCRMVHMPGDAPYCTPEQYKECADPALDFLVEKDNEYCVCEMPC NVTRYGKELSMVKIPSKASAKYLAKKYNKSEQYIGENILVLDIFFEALNYETIEQKKAYEVAGLLGDIGGQ MGLFIGASILTVLELFDYAYEVIKHR 111111111111111100000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000001111111111

>DM\_train327 MSLPGTGSGTSSGGGNTQGQDVYIIPRPFSNFGKKLSTYTKSHKFMIFGLANNVIGPTGTGTTAVNRL LTTCLAEIPWQKLPLYMNQSEFDLLPPGSRVVECNVKVIFRTNRIAFETSSTVTKQATLNQISNVQTAIG LNKLGWGINRAFTAFQSDQPMIPTATTAPKYEPVTGDTGYRGMIADYYGADSTNDTAFGNAGNYP HHQVSSFTFLQNYYCMYQQTNQGTGGWPCLAEHLQQFDSKTVNNQCLIDVTYKPKMGLIKSPLNY KIIGQPTVKGTISVGDNLVNMRGAVVTNPPEATQNVAESTHNLTRNFPADLFNIYSDIEKSQVLHKGP WGHENPQIQPSVHIGIQAVPALTTGALLINSSPLNSWTDSMGYIDVMSSCTVMEAQPTHFPFSTEAN TNPGNTIYRINLTPNSLTSAFNGLYGNGATLGNV 111111111111111111111000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000

>DM\_train328 ADYQGKNVVIIGLGLTGLSCVDFFLARGVTPRVMDTRMTPPGLDKLPEAVERHTGSLNDEWLMAAD LIVASPGIALAHPSLSAAADAGIEIVGDIELFCREAQAPIVAITGSNGKSTVTTLVGEMAKAAGVNVGVG GNIGLPALMLLDDECELYVLELSSFQLETTSSLQAVAATILNVTEDHMDRYPFGLQQYRAAKLRIYENA KVCVVNADDALTMPIRGADERCVSFGVNMGDYHLNHQQGETWLRVKGEKVLNVKEMKLSGQHN YTNALAALALADAAGLPRASSLKALTTFTGLPHRFEVVLEHNGVRWINDSKATNVGSTEAALNGLHV DGTLHLLLGGDGKSADFSPLARYLNGDNVRLYCFGRDGAQLAALRPEVAEQTETMEQAMRLLAPRV QPGDMVLLSPACASLDQFKNFEQRGNEFARLAKELG 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000001111110000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000

>DM\_train329 LNSVGQGEFGGAPFKRFLRGTRIVSGGKLKRMTREKAKQVTVAGVPMPRDAEPRHLLVNGATGTGK SVLLRELAYTGLLRGDRMVIVDPNGDMLSKFGRDKDIILNPYDQRTKGWSFFNEIRNDYDWQRYALS VVPRGKTDEAEEWASYGRLLLRETAKKLALIGTPSMRELFHWTTIATFDDLRGFLEGTLAESLFAGSNEA SKALTSARFVLSDKLPEHVTMPDGDFSIRSWLEDPNGGNLFITWREDMGPALRPLISAWVDVVCTSIL SLPEEPKRRLWLFIDELASLEKLASLADALTKGRKAGLRVVAGLQSTSQLDDVYGVKEAQTLRASFRSL VVLGGSRTDPKTNEDMSLSLGEHEVERDRYSKNTGKHHSTGRALERVRERVVMPAEIANLPDLTAYV

GFAGNRPIAKVPLEIKQFANRQPAFVEGTI 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000001111111 11111111100000000000000000000000000000000000000000000000000111

>DM\_train330 MASSSSFTYYCPPSSSPVWSEPLYSLRPEHARERLQDDSVETVTSIEQAKVEEKIQEVFSSYKFNHLVPR LVLQREKHFHYLKRGLRQLTDAYECLDASRPWLCYWILHSLELLDEPIPQIVATDVCQFLELCQSPDGG FGGGPGQYPHLAPTYAAVNALCIIGTEEAYNVINREKLLQYLYSLKQPDGSFLMHVGGEVDVRSAYCA ASVASLTNIITPDLFEGTAEWIARCQNWEGGIGGVPGMEAHGGYTFCGLAALVILKKERSLNLKSLLQ WVTSRQMRFEGGFQGRCNKLVDGCYSFWQAGLLPLLHRALHAQGDPALSMSHWMFHQQALQEY ILMCCQCPAGGLLDKPGKSRDFYHTCYCLSGLSIAQHFGSGAMLHDVVMGVPENVLQPTHPVYNIG PDKVIQATTHFLQKPVPGFEECEDAVTSDPATD 111111111111111111111000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000001111111111111111

>DM\_train331 MAGGLSQLVAYGAQDVYLTGNPQITFFKTVYRRYTNFAIESIQQTINGSVGFGNKVSTQISRNGDLIT DIVVEFVLTKGGNGGTTYYPAEELLQDVELEIGGQRIDKHYNDWFRTYDALFRMNDDRYNYRRMTD WVNNELVGAQKRFYVPLIFFFNQTPGLALPLIALQYHEVKLYFTLASQVQGVNYNGSSAIAGAAQPT MSVWVDYIFLDTQERTRFAQLPHEYLIEQLQFTGSETATPSATTQASQNIRLNFNHPTKYLAWNFNN PTNYGQYTALANIPGACSGAGTAAATVTTPDYGNTGTYNEQLAVLDSAKIQLNGQDRFATRKGSYF NKVQPYQSIGGVTPAGVYLYSFALKPAGRQPSGTCNFSRIDNATLSLTYKTCSIDATSPAAVLGNTETV TANTATLLTALNIYAKNYNVLRIMSGMGGLAYAN 111111111111111111111111000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000

>DM\_train332 MSLSINSREVLAEKVKNAVNNQPVTDMHTHLFSPNFGEILLWDIDELLTYHYLVAEVMRWTDVSIEAF WAMSKREQADLIWEELFIKRSPVSEACRGVLTCLQGLGLDPATRDLQVYREYFAKKTSEEQVDTVLQL ANVSDVVMTNDPFDDNERISWLEGKQPDSRFHAALRLDPLLNEYEQTKHRLRDWGYKVNDEWNE GSIQEVKRFLTDWIERMDPVYMAVSLPPTFSFPEESNRGRIIRDCLLPVAEKHNIPFAMMIGVKKRVHP ALGDAGDFVGKASMDGVEHLLREYPNNKFLVTMLSRENQHELVVLARKFSNLMIFGCWWFMNNPE IINEMTRMRMEMLGTSFIPQHSDARVLEQLIYKWHHSKSIIAEVLIDKYDDILQAGWEVTEEEIKRDVA DLFSRNFWRFVGRNDHVTSVKVEQQTEGHHHHHH 110000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train333 MLLAQKPFWQRHLAYPHINLDTVAHSLRLTGPLDTTLLLRALHLTVSEIDLFRARFSAQGELYWHPFSP PIDYQDLSIHLEAEPLAWRQIEQDLQRSSTLIDAPITSHQVYRLSHSEHLIYTRAHHIVLDGYGMMLFE QRLSQHYQSLLSGQTPTAAFKPYQSYLEEEAAYLTSHRYWQDKQFWQGYLREAPDLTLTSATYDPQL SHAVSLSYTLNSQLNHLLLKLANANQIGWPDALVALCALYLESAEPDAPWLWLPFMNRWGSVAAN VPGLMVNSLPLLRLSAQQTSLGNYLKQSGQAIRSLYLHGRYRIEQIEQDQGLNAEQSYFMSPFINILPF ESPHFADCQTELKVLASGSAEGINFTFRGSPQHELCLDITADLASYPQSHWQSHCERFPRFFEQLLARF QQVEQDVARLLAEPAALAATTSTRAIAS 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000111111111111

>DM\_train334 MSASQKEGKLSTATISVDGKSAEMPVLSGTLGPDVIDIRKLPAQLGVFTFDPGYGETAACNSKITFIDG DKGVLLHRGYPIAQLAENASYEEVIYLLLNGELPNKAQYDTFTNTLTNHTLLHEQIRNFFNGFRRDAHP MAILCGTVGALSAFYPDANDIAIPANRDLAAMRLIAKIPTIAAWAYKYTQGEAFIYPRNDLNYAENFLS MMFARMSEPYKVNPVLARAMNRILILHADHEQNASTSTVRLAGSTGANPFACIAAGIAALWGPAHG GANEAVLKMLARIGKKENIPAFIAQVKDKNSGVKLMGFGHRVYKNFDPRAKIMQQTCHEVLTELGIK DDPLLDLAVELEKIALSDDYFVQRKLYPNVDFYSGIILKAMGIPTSMFTVLFAVARTTGWVSQWKEMIE EPGQRISRPRQLYIGAPQRDYVPLAKR 111111111100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000011111111100000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000

>DM\_train336 YTPVEEKENGRMIVIVAKKYEGDIKDFVDWKNQRGLRTEVKVAEDIASPVTANAIQQFVKQEYEKEGN DLTYVLLVGDHKDIPAKITPGIKSDQVYGQIVGNDHYNEVFIGRFSCESKEDLKTQIDRTIHYERNITTED KWLGQALCIASAEGGPSADNGESDIQHENVIANLLTQYGYTKIIKCYDPGVTPKNIIDAFNGGISLVNY TGHGSETAWGTSHFGTTHVKQLTNSNQLPFIFDVACVNGDFLFSMPCFAEALMRAQKDGKPTGTVA IIASTIDQYWAPPMRGQDEMNEILCEKHPNNIKRTFGGVTMNGMFAMVEKYKKDGENMLDTWTVF GDPSLLVRTLVPTEMQVTAPANISASAQTFEVACDYNGAIATLSDDGDMVGTAIVKDGKAIIKLNESIA DETNLTLTVVGYNKVTVIKDVKVEGTS 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train337 SLMAGLPNSSNALQQWHHLFEAEGTKRSPQAQQHLQQLLRTGLPTRKHENWKYTPLEGLINSQFVS IAGEISPQQRDALALTLDSVRLVFVDGRYVPALSDATEGSGYEVSINDDRQGLPDAIQAEVFLHLTESL AQSVTHIAVKRGQRPAKPLLLMHITQGVAGEEVNTAHYRHHLDLAEGAEATVIEHFVSLNDARHFTG ARFTINVAANAHLQHIKLAFENPLSHHFAHNDLLLAEDATAFSHSFLLGGAVLRHNTSTQLNGENSTL RINSLAMPVKNEVCDTRTWLEHNKGFCNSRQLHKTIVSDKGRAVFNGLINVAQHAIKTDGQMTNN NLLMGKLAEVDTKPQLEIYADDVKCSHGATVGRIDDEQIFYLRSRGINQQDAQQMIIYAFAAELTEAL RDEGLKQQVLARIGQRLPGGAREGGSHHHHHH 111111111100000000000011100000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000111111111111

>DM\_train338 ERTSIAVHALMGLPTGQPANGTKLDSIGLPKVDGMSFTLYRVNEIDLTTQAGWDAASKIKLEELYTNG HPTDKVTKVATKKTEGGVAKFDNLTPALYLVVQELNGAEAVVRSQPFLVAAPQTNPTGDGWLQDV HVYPKHQALSEPVKTAVDPDATQPGFSVGENVKYRVATKIPEIASNTKFEGFTVADKLPAELGKPDTN KITVTLGGKPINSTDVSVQTYQVGDRTVLSVQLAGATLQSLDQHKDQELVVEFEAPVTKQPENGQLD NQAWVLPSNPTAQWDPEESGDAALRGMPSSRVSSKFGQITIEKSFDGNTPGADRTATFQLHRCEAD GSLVKSDPPISLDGKQEFVTGQDGKAVLSGIHLGTLQLESNVMKYTDAWAGKGTEFCLVETATASGYE LLPKPVIVKLEANESTNVLVEQKVKIDNKKKN 100000000000000011111111111000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000011

>DM\_train339 MTQDVREPPALKYGIVLDAGSSHTSMFVYKWPADKENDTGIVGQHSSCDVQGGGISSYANDPSKA GQSLVRCLEQALRDVPRDRHASTPLYLGATAGMRLLNLTSPEATARVLEAVTQTLTQYPFDFRGARIL SGQDEGVFGWVTANYLLENFIKYGWVGRWIRPRKGTLGAMDLGGASTQITFETTSPSEDPGNEVHLR LYGQHYRVYTHSFLCYGRDQILLRLLASALQIHRFHPCWPKGYSTQVLLQEVYQSPCTMGQRPRAFN GSAIVSLSGTSNATLCRDLVSRLFNISSCPFSQCSFNGVFQPPVAGNFIAFSAFYYTVDFLTTVMGLPV GTLKQLEEATEITCNQTWTELQARVPGQKTRLADYCAVAMFIHQLLSRGYHFDERSFREVVFQKKAA DTAVGWALGYMLNLTNLIPADLPGLRKGTHF 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000111111100000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train343 MSNVFYRSSKPYPVAVRGEGVFLYDDAGRRYLDGSSGALVANIGHGRAEVGERMAAQAARLPFVHG SQFSSDVLEEYAGRLARFVGLPTFRFWAVSGGSEATESAVKLARQYHVERGEPGRFKVITRVPSYHGA SLGSLAASGMGARRELYTPLMRPEAWPKLPKPDPARNGAEDAEGLRALLEREGPETVAAFMAEPVVG ASDAALAPAPGYYERVRDICDEAGIIFIADEVMSGMGRCGSPLALSRWSGVTPDIAVLGKGLAAGYAP LAGLLAAPQVYETVMGGSGAFMHGFTYAGHPVSVAAGLSVLDIVEREDLTGAAKERGAQLLAGLQA LQARFPQMMQVRGTGLLLGVVLGDLATGQAFETPGIASRIGAAALKRGLITYPGSGAEPNGRGDHLL LGPPLSITAAEVDGLLALLAGALEDVLG 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000011111111111111111111 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000011111111111100000 0000000000001111111111100000000000000000000000000000001

>DM\_train344 MAEFRIAQDVVARENDRRASALKEDYEALGANLARRGVDIEAVTAKVEKFFVAVPSWGVGTGGTRFA RFPGTGEPRGIFDKLDDCAVIQQLTRATPNVSLHIPWDKADPKELKARGDALGLGFDAMNSNTFSDA PGQAHSYKYGSLSHTNAATRAQAVEHNLECIEIGKAIGSKALTVWIGDGSNFPGQSNFTRAFERYLSA MAEIYKGLPDDWKLFSEHKMYEPAFYSTVVQDWGTNYLIAQTLGPKAQCLVDLGHHAPNTNIEMIV ARLIQFGKLGGFHFNDSKYGDDDLDAGAIEPYRLFLVFNELVDAEARGVKGFHPAHMIDQKHNVTDP IESLINSANEIRRAYAQALLVDRAALSGYQEDNDALMATETLKRAYRTDVEPILAEARRRTGGAVDPVA TYRASGYRARVAAERPASVAGGGGII 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000111111111

>DM\_train345 MTTQTTPAHIAMFSIAAHGHVNPSLEVIRELVARGHRVTYAIPPVFADKVAATGPRPVLYHSTLPGPD ADPEAWGSTLLDNVEPFLNDAIQALPQLADAYADDIPDLVLHDITSYPARVLARRWGVPAVSLSPNL VAWKGYEEEVAEPMWREPRQTERGRAYYARFEAWLKENGITEHPDTFASHPPRSLVLIPKALQPHAD RVDEDVYTFVGACQGDRAEEGGWQRPAGAEKVVLVSLGSAFTKQPAFYRECVRAFGNLPGWHLVL QIGRKVTPAELGELPDNVEVHDWVPQLAILRQADLFVTHAGAGGSQEGLATATPMIAVPQAVDQFG NADMLQGLGVARKLATEEATADLLRETALALVDDPEVARRLRRIQAEMAQEGGTRRAADLIEAELPA RHERQEPVGDRPNVGDRPAGVRSDRQRSAL 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000111110000 000000000000000000010000000000000000000000000111000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000111111111111111111111111111111

>DM\_train346

MNVLVIGRGGREHAIAWKAAQSPLVGKLYVAPGNPGIADVAELVHIDELDIEALVQFAKQQAIDLTIV GPEAPLASGIVDRFMAEGLRIFGPSQRAALIEGSKAFAKELMKKYGIPTADHAAFTSYEEAKAYIEQKGA PIVIKADGLAAGKGVTVAQTVEEALAAAKAALVDGQFGTAGSQVVIEEYLEGEEFSFMAFVNGEKVYP LAIAQDHKRAYDGDEGPNTGGMGAYSPVPQISDEMMDAALEAILRPAAKALAAEGRPFLGVLYAGL MATANGPKVIEFNARFGDPEAQVVLPRLKTDLVEAVLAVMDGKELELEWTDEAVLGVVLAAKGYPG AYERGAEIRGLDRISPDALLFHAGTKREGGAWYTNGGRVLLLAAKGETLAKAKEKAYEQLAAIDCDGL FYRRDIGRRAIERASAAYTRMKGR

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>DM\_train347 MGSDKIHHHHHHMFDPESLKKLAIEIVKKSIEAVFPDRAVKETLPKLNLDRVILVAVGKAAWRMAKAA YEVLGKKIRKGVVVTKYGHSEGPIDDFEIYEAGHPVPDENTIKTTRRVLELVDQLNENDTVLFLLSGGGS SLFELPLEGVSLEEIQKLTSALLKSGASIEEINTVRKHLSQVKGGRFAERVFPAKVVALVLSDVLGDRLDVI ASGPAWPDSSTSEDALKVLEKYGIETSESVKRAILQETPKHLSNVEIHLIGNVQKVCDEAKSLAKEKGFN AEIITTSLDCEAREAGRFIASIMKEVKFKDRPLKKPAALIFGGETVVHVKGNGIGGRNQELALSAAIALEGI EGVILCSAGTDGTDGPTDAAGGIVDGSTAKTLKAMGEDPYQYLKNNDSYNALKKSGALLITGPTGTN VNDLIIGLIV 111111111111111000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000

>DM\_train348 MAAVVLENGVLSRKLSDFGQETSYIEDNSNQNGAISLIFSLKEEVGALAKVLRLFEENDINLTHIESRPSR LNKDEYEFFTYLDKRTKPVLGSIIKSLRNDIGATVHELSRDKEKNTVPWFPRTIQELDRFANQILSYGAEL DADHPGFKDPVYRARRKQFADIAYNYRHGQPIPRVEYTEEEKQTWGTVFRTLKALYKTHACYEHNHI FPLLEKYCGFREDNIPQLEDVSQFLQTCTGFRLRPVAGLLSSRDFLGGLAFRVFHCTQYIRHGSKPMYT PEPDICHELLGHVPLFSDRSFAQFSQEIGLASLGAPDEYIEKLATIYWFTVEFGLCKEGDSIKAYGAGLLS SFGELQYCLSDKPKLLPLELEKTACQEYSVTEFQPLYYVAESFSDAKEKVRTFAATIPRPFSVRYDPYTQR VEVLDNTQQ 111111111111111111000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000011111100000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000

>DM\_train349 SQFDILCKTPPKVLVRQFVERFERPSGEKIASCAAELTYLCWMITHNGTAIKRATFMSYNTIISNSLSFDI VNKSLQFKYKTQKATILEASLKKLIPAWEFTIIPYNGQKHQSDITDIVSSLQLQFESSEEADKGNSHSKK

MLKALLSEGESIWEITEKILNSFEYTSRFTKTKTLYQFLFLATFINCGRFSDIKNVDPKSFKLVQNKYLGVII QCLVTETKTSVSRHIYFFSARGRIDPLVYLDEFLRNSEPVLKRVNRTGNSSSNKQEYQLLKDNLVRSYN KALKKNAPYPIFAIKNGPKSHIGRHLMTSFLSMKGLTELTNVVGNFSDKRASAVARTTYTHQITAIPDH YFALVSRYYAYDPISKEMIALKDETNPIEEWQHIEQLKGSAEGSIRYPAWNGIISQEVLDYLSSYINRRIG HHHHHH

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>DM\_train350 MTDFYSLIPSAPKGRFDGIERAHTAEDVKRLRGSVEIKYSLAEMGANRLWKLIHEEDFVNALGALSGN QAMQMVRAGLKAIYLSGWQVAADANTASAMYPDQSLYPANAGPELAKRINRTLQRADQIETAEGK GLSVDTWFAPIVADAEAGFGDPLDAFEIMKAYIEAGAAGVHFEDQLASEKKCGHLGGKVLIPTAAHIR NLNAARLAADVMGTPTLIVARTDAEAAKLLTSDIDERDQPFVDYEAGRTAEGFYQVKNGIEPCIARAI AYAPYCDLIWMETSKPDLAQARRFAEAVHKAHPGKLLAYNCSPSFNWKKNLDDATIAKFQRELGAM GYKFQFITLAGFHQLNYGMFELARGYKDRQMAAYSELQQAEFAAEADGYTATKHQREVGTGYFDAV SLAITGGQSSTTAMKESTETAQFKPAAE 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000111111111111111111111110000000000000000000000000000000000000000001 110000000000000000000000000000111111111000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000111111110000000000001111111111111111111111

>DM\_train352 VDFHGYARSGIGWTGSGGEQQCFQATGAQSKYRLGNECETYAELKLGQEVWKEGDKSFYFDTNVA YSVNQQNDWESTDPAFREANVQGKNLIEWLPGSTIWAGKRFYQRHDVHMIDFYYWDISGPGAGIE NIDLGFGKLSLAATRSTEAGGSYTFSSQNIYDEVKDTANDVFDVRLAGLQTNPDGVLELGVDYGRAN TTDGYKLADGASKDGWMFTAEHTQSMLKGYNKFVVQYATDAMTTQGKGQARGSDGSSSFTEELS DGTKINYANKVINNNGNMWRILDHGAISLGDKWDLMYVGMYQNIDWDNNLGTEWWTVGVRPM YKWTPIMSTLLEVGYDNVKSQQTGDRNNQYKITLAQQWQAGDSIWSRPAIRIFATYAKWDEKWGYI KDGDNISRYAAATNSGISTNSRGDSDEWTFGAQMEIWW 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000111111000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000

>DM\_train353 ELDGKAPSHRNLNVQTWSTAEGAKVLFVEARELPMFDLRLIFAAGSSQDGNAPGVALLTNAMLNEG VAGKDVGAIAQGFEGLGADFGNGAYKDMAVASLRSLSAVDKREPALKLFAEVVGKPTFPADSLARIK NQMLAGFEYQKQNPGKLASLELMKRLYGTHPYAHASDGDAKSIPPITLAQLKAFHAKAYAAGNVVIA LVGDLSRSDAEAIAAQVSAALPKGPALAKIEQPAEPKASIGHIEFPSSQTSLMLAQLGIDRDDPDYAAV

SLGNQILGGGGFGTRLMSEVREKRGLTYGVYSGFTPMQARGPFMINLQTRAEMSEGTLKLVQDVFAE YLKNGPTQKELDDAKRELAGSFPLSTASNADIVGQLGAMGFYNLPLSYLEDFMRQSQELTVEQVKAA MNKHLNVDKMVIVSAGPTVAQKPL

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>DM\_train354 MMEYKIVENGLTYRIGNGASVPISNTGELIKGLRNYGPYEVPSLKYNQIALIHNNQFSSLINQLKSQISS KIDEVWHIHNINISEFIYDSPHFDSIKSQVDNAIDTGVDGIMLVLPEYNTPLYYKLKSYLINSIPSQFMRY DILSNRNLTFYVDNLLVQFVSKLGGKPWILNVDPEKGSDIIIGTGATRIDNVNLFCFAMVFKKDGTML WNEISPIVTSSEYLTYLKSTIKKVVYGFKKSNPDWDVEKLTLHVSGKRPKMKDGETKILKETVEELKKQE MVSRDVKYAILHLNETHPFWVMGDPNNRFHPYEGTKVKLSSKRYLLTLLQPYLKRNGLEMVTPIKPLS VEIVSDNWTSEEYYHNVHEILDEIYYLSKMNWRGFRSRNLPVTVNYPKLVAGIIANVNRYGGYPINPE GNRSLQTNPWFL 111111111100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000001111000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 001111111100000000000000000001111111111000000000000000000000000000000000000 0000000000000000000000000000000000000111111000000000

>DM\_train355 TEAAAQPHALPADAPDIAPERDLLSKFDGLIAERQKLLDSGVTDPFAIVMEQVKSPTEAVIRGKDTILLG TYNYMGMTFDPDVIAAGKEALEKFGSGTCGSRMLNGTFHDHMEVEQALRDFYGTTGAIVFSTGYMA NLGIISTLAGKGEYVILDADSHASIYDGCQQGNAEIVRFRHNSVEDLDKRLGRLPKEPAKLVVLEGVYS MLGDIAPLKEMVAVAKKHGAMVLVDEAHSMGFFGPNGRGVYEAQGLEGQIDFVVGTFSKSVGTVG GFVVSNHPKFEAVRLACRPYIFTASLPPSVVATATTSIRKLMTAHEKRERLWSNARALHGGLKAMGFR LGTETCDSAIVAVMLEDQEQAAMMWQALLDGGLYVNMARPPATPAGTFLLRCSICAEHTPAQIQTV LGMFQAAGRAVGVIGLEHHHHHH 111111111111111111111000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000011111111

>DM\_train356 GHHHHHHMTTQLEQAWELAKQRFAAVGIDVEEALRQLDRLPVSMHCWQGDDVSGFENPEGSLTG GIQATGNYPGKARNASELRADLEQAMRLIPGPKRLNLHAIYLESDTPVSRDQIKPEHFKNWVEWAKA NQLGLDFNPSCFSHPLSADGFTLSHADDSIRQFWIDHCKASRRVSAYFGEQLGTPSVMNIWIPDGMK DITVDRLAPRQRLLAALDEVISEKLNPAHHIDAVESKLFGIGAESYTVGSNEFYMGYATSRQTALCLDA GHFHPTEVISDKISAAMLYVPQLLLHVSRPVRWDSDHVVLLDDETQAIASEIVRHDLFDRVHIGLDFFD ASINRIAAWVIGTRNMKKALLRALLEPTAELRKLEAPGDYTARLALLEEQKSLPWQAVWEMYCQRHD

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>DM\_train357 GMKVTNYQGATIDPYSKGLGMVPGTSIQLTDAARLEWNLLNEDVSLPAAVLYADRVEHNLKWMQA FVAEYGVKLAPHGKTTMAPQLFRRQLETGAWGITLATAHQVRAAYHGGVSRVLMANQLVGRRNM MMVAELLSDPEFEFFCLVDSVEGVEQLGEFFKSVNKQLQVLLELGVPGGRTGVRDAAQRNAVLEAIT RYPDTLKLAGVELYEGVLKEEHEVREFLQSAVAVTRELVEQERFARAPAVLSGAGSAWYDVVAEEFVK ASETGKVEVVLRPGCYLTHDVGIYRKAQTDIFARNPVAKKMGEGLLPALQLWAYVQSIPEPDRAIIGLG KRDSAFDAGMPEPARHYRPGNEAPRDIAASEGWEIFGLMDQHAYLRIPAGADLKVGDMIAFDISHPC LTFDKWRQVLVVDPAYRVTEVIETFF 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000111111111111111111 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000

>DM\_train358 MKNTTLYTYRDYFVIRGGKPLTGKVKISGAKNAALPIMFATILTEEPCTITNVPDLLDVRNTLLLLRELGA ELEFLNNTVFINPSINSFITNQEIIRRMRASVLSLGPLLGRFGRAVVGLPGGCSIGARPIDQHLKFFKEAG ADVEVREGYVYVNLKEKRRVHFKFDLVTVTGTENALLYLASVPEESILENIALEPEVMDLIEVLKKMGAH VKVEGRSAYVKGSENLKGFTHSVIPDRIEAGTFMVGAVLTDGEILLENARINHLRAVVEKLKLIGGEVVE ENGNLRVFRKESLRACDIETQVYPGFPTDMQAQFMALLSVAKGKSRIKENIFEHRFHHAQELNRLGA NITVRGNTAYVEGVERLYGSEVYSTDLRASASLVLAGLVAQGETVVRDVYHLDRGYEKLEEKLKKLGA DIERVSEL 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000001

>DM\_train359 GSMSFIPVAEDSDFPIQNLPYGVFSTQSNPKPRIGVAIGDQILDLSVIKHLFTGPALSKHQHVFDETTLN NFMGLGQAAWKEARASLQNLLSASQARLRDDKELRQRAFTSQASATMHLPATIGDYTDFYSSRQH ATNVGIMFRGKENALLPNWLHLPVGYHGRASSIVVSGTPIRRPMGQMRPDNSKPPVYGACRLLDME LEMAFFVGPGNRFGEPIPISKAHEHIFGMVLMNDWSARDIQQWEYVPLGPFLGKSFGTTISPWVVPM DALMPFVVPNPKQDPKPLPYLCHSQPYTFDINLSVSLKGEGMSQAATICRSNFKHMYWTMLQQLTH HSVNGCNLRPGDLLASGTISGSDPESFGSMLELSWKGTKAIDVGQGQTRTFLLDGDEVIITGHCQGD GYRVGFGQCAGKVLPALSPAGS 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train360 MSSGVDLGTENLYFQSNAMYMAQPGHIDHIKQINAGRVYKLIDQKGPISRIDLSKESELAPASITKITRE LIDAHLIHETTVQEAISRGRPAVGLQTNNLGWQFLSMRLGRGYLTIALHELGGEVLIDTKIDIHEIDQDD VLARLLFEIEEFFQTYAAQLDRVTSIAITLPGLVNSEQGIVLQMPHYNVKNLALGPEIYKATGLPVFVAN DTRAWALAEKLFGHSQDVDNSVLISIHHGLGAGIVLDGRVLQGRHGNIGELGHIQIDPQGKRCHCG NYGCLETVASSQAIRDQVTARIQAGEPSCLATVEEISIEDICAAAADGDPLAVDVIQQLGRYLGAAIAIV INLFNPEKILIGGVINQAKSILYPSIEQCIREQSLPVYHQDLKLVESRFYKQATMPGAALIKQALYDGLLL MKVVEG 111111111111111111111111111000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000

>DM\_train361 SGDFSLLSSPINREKNGTEIVKFSIHPYKGTVIRLGEEILPFKVLEMDKNIALVEMAIPVYKDEKEIELKLSSP GFQNSSYRIRKPEELNEKLIALDKEGITHRFISRFKTGFQPKSVRFIDNTRLAIPLLEDEGMDVLDINSGQT VRLSPPEKYKKKLGFVETISIPEHNELWVSQMQANAVHVFDLKTLAYKATVDLTGKWSKILLYDPIRDL VYCSNWISEDISVIDRKTKLEIRKTDKIGLPRGLLLSKDGKELYIAQFSASNQESGGGRLGIYSMDKEKLID TIGPPGNKRHIVSGNTENKIYVSDMCCSKIEVYDLKEKKVQKSIPVFDKPNTIALSPDGKYLYVSCRGPN HPTEGYLKKGLVLGKVYVIDTTTDTVKEFWEAGNQPTGLDVSPDNRYLVISDFLDHQIRVYRRDGF 111111111111111100000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000

>DM\_train362 MRVLVRDLKAHVGQEVELLGFLHWRRDLGRIQFLLLRDRSGVVQVVTGGLKLPLPESALRVRGLVVE NAKAPGGLEVQAKEVEVLSPALEPTPVEIPKEEWRANPDTLLEYRYVTLRGEKARAPLKVQAALVRGFR RYLDRQDFTEIFTPKVVRAGAEGGSGLFGVDYFEKRAYLAQSPQLYKQIMVGVFERVYEVAPVWRME EHHTSRHLNEYLSLDVEMGFIADEEDLMRLEEALLAEMLEEALNTAGDEIRLLGATWPSFPQDIPRLTH AEAKRILKEELGYPVGQDLSEEAERLLGEYAKERWGSDWLFVTRYPRSVRPFYTYPEEDGTTRSFDLLFR GLEITSGGQRIHRYEELLESLKAKGMDPEAFHGYLEVFKYGMPPHGGFAIGAERLTQKLLGLPNVRYAR AFPRDRHRLTP 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000111111111111111110000000000000000000000000000000000000000 111111111111111111111111111100000000000000000000011111111111110000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train363 GSQSRSIQTFPQPDTSVINGPDRPAGIPDPAGTTVAGGGAVYTVVPHLSMPHWAAQDFAKSLQSFR LGCANLKNRQGWQDVCAQAFQTPIHSFQAKRFFERYFTPWQVAGNGSLAGTVTGYYEPVLKGDGR RTERARFPIYGIPDDFISVPLPAGLRGGKNLVRIRQTGKNSGTIDNAGGTHTADLSRFPITARTTAIKGRF EGSRFLPYHTRNQINGGALDGKAPILGYAEDPVELFFMHIQGSGRLKTPSGKYIRIGYADKNEHPYVSI GRYMADKGYLKLGQTSMQGIKAYMRQNPQRLAEVLGQNPSYIFFRELAGSGGDGPVGALGTPLMG EYAGAIDRHYITLGAPLFVATAHPVTRKALNRLIMAQDTGSAIKGAVRVDYFWGYGDEAGELAGKQK TTGYVWQLLPNGMKPEYRP 111111111111111111110000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000111111110000000000001111111000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000111110000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000

>DM\_train365 MGLPPLLSLPSNSAPRSLGRVETPPEVVDFMVSLAEAPRGGRVLEPACAHGPFLRAFREAHGTGYRFV GVEIDPKALDLPPWAEGILADFLLWEPGEAFDLILGNPPYGIVGEASKYPIHVFKAVKDLYKKAFSTWKG KYNLYGAFLEKAVRLLKPGGVLVFVVPATWLVLEDFALLREFLAREGKTSVYYLGEVFPQKKVSAVVIRF QKSGKGLSLWDTQESESGFTPILWAEYPHWEGEIIRFETEETRKLEISGMPLGDLFHIRFAARSPEFKKHP AVRKEPGPGLVPVLTGRNLKPGWVDYEKNHSGLWMPKERAKELRDFYATPHLVVAHTKGTRVVAA WDERAYPWREEFHLLPKEGVRLDPSSLVQWLNSEAMQKHVRTLYRDFVPHLTLRMLERLPVRREYGF HTSPESARNF 111111111111111111110000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000111111111111000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000011111111

>DM\_train366 MSRTVMERIEYEMHTPDPKADPDKLHFVQIDEAKCIGCDTCSQYCPTAAIFGEMGEPHSIPHIEACIN CGQCLTHCPENAIYEAQSWVPEVEKKLKDGKVKCIAMPAPAVRYALGDAFGMPVGSVTTGKMLAAL QKLGFAHCWDTEFTADVTIWEEGSEFVERLTKKSDMPLPQFTSCCPGWQKYAETYYPELLPHFSTCKS PIGMNGALAKTYGAERMKYDPKQVYTVSIMPCIAKKYEGLRPELKSSGMRDIDATLTTRELAYMIKKA GIDFAKLPDGKRDSLMGESTGGATIFGVTGGVMEAALRFAYEAVTGKKPDSWDFKAVRGLDGIKEAT VNVGGTDVKVAVVHGAKRFKQVCDDVKAGKSPYHFIEYMACPGGCVCGGGQPVMPGVLEAMDR TTTRLYAGLKKRLAMASANKA 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000111111111111111111111111

>DM\_train367 MGSDKIHHHHHHMKEKVVLAYSGGLDTSVILKWLCEKGFDVIAYVANVGQKDDFVAIKEKALKTGAS KVYVEDLRREFVTDYIFTALLGNAMYEGRYLLGTAIARPLIAKRQVEIAEKEGAQYVAHGATGKGNDQ VRFELTYAALNPNLKVISPWKDPEFLAKFKGRTDLINYAMEKGIPIKVSKKRPYSEDENLMHISHEAGKL EDPAHIPDEDVFTWTVSPKDAPDEETLLEIHFENGIPVKVVNLKDGTEKTDPLELFEYLNEVGAKNGVG RLDMVENRFIGIKSRGVYETPGATILWIAHRDLEGITMDKEVMHLRDMLAPKFAELIYNGFWFSPEME FLLAAFRKAQENVTGKVTVSIYKGNVMPVARYSPYSLYNPELSSMDVEGGFDATDSKGFINIHALRLK VHQLVKKGYQR 111111111111100000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000011110000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000001111111111000000000000000000000000011111

>DM\_train368 MSRNPSNSDAAHAFWSTQPVPQTEDETEKIVFAGPMDEPKTVADIPEEPYPIASTFEWWTPNMEAA DDIHAIYELLRDNYVEDDDSMFRFNYSEEFLQWALCPPSYIPDWHVAVRRKADKKLLAFIAGVPVTLR MGTPKYMKVKAQEKGQEEEAAKYDAPRHICEINFLCVHKQLREKRLAPILIKEVTRRVNRTNVWQAV YTAGVLLPTPYASGQYFHRSLNPEKLVEIRFSGIPAQYQKFQNPMAMLKRNYQLPNAPKNSGLREMK PSDVPQVRRILMNYLDNFDVGPVFSDAEISHYLLPRDGVVFTYVVENDKKVTDFFSFYRIPSTVIGNSN YNILNAAYVHYYAATSMPLHQLILDLLIVAHSRGFDVCNMVEILDNRSFVEQLKFGAGDGHLRYYFYN WAYPKIKPSQVALVML 111111111100000000000000000000000000000000000000000000000000000000000000000 000000011100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000111111000000000000000000000000000000000000 0000000000000000000000000000000000000000000000

>DM\_train371 MFVFMLLLLLPFTISKAKDFPANPIEKAGYKLDFSDEFNGPTLDREKWTDYYLPHWCKDPESAKANYRF ENGSLVEYITEDQKPWCPEHDGTVRSSAIMSFDKSWIHNFSGTTDNHERNEWRGYTTKYGYFEIRAKL SNTGGGGHQAWWMVGMQDDTNDWFNSKQTGEIDILETFFSKKDTWRIAAYGWNDPNFQTSWTI SEDKVPSGDPTSEYHIYAMEWTPTALKFYYDNELFKVIYGSPDYEMGTILNIYTDAGSGAHNDVWPKE WAIDYMRVWKPVDGYKESESLNNYLIRNRQTGKFLYIEENNDKVSYGDITLKNEKNAKWSKEYRDGY TLLKNNETGEYLNIENQTGYIEHGKVPKTWWSAQWSEVPVDGYTRFVNRWKPNMSIHTESYEGVLQ YGNVPNTYWTSQWQLIPVE 111111111111111111000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000001111100000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000

>DM\_train373 MIDLSKTVFYTSIDIGSRYIKGLVLGKRDQEWEALAFSSVKSRGLDEGEIKDAIAFKESVNTLLKELEEQL

QKSLRSDFVISFSSVSFEREDTVIERDFGEEKRSITLDILSEMQSEALEKLKENGKTPLHIFSKRYLLDDERIV FNPLDMKASKIAIEYTSIVVPLKVYEMFYNFLQDTVKSPFQLKSSLVSTAEGVLTTPEKDRGVVVVNLGY NFTGLIAYKNGVPIKISYVPVGMKHVIKDVSAVLDTSFEESERLIITHGNAVYNDLKEEEIQYRGLDGNTI KTTTAKKLSVIIHARLREIMSKSKKFFREVEAKIVEEGEIGIPGGVVLTGGGAKIPRINELATEVFKSPVRTG

CYANSDRPSIINADEVANDPSFAAAFGNVFAVSENPYEETPVKSENPLKKIFRLFKELME 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000001111110000000000000000000000000000000000000000000000000 00000000000000011111111111111111111111111111

>DM\_train375 MAAKNAFYAQSGGVTAVINASAAGVIEAARKQSGKIGRIYAGRNGIIGALTEDLIDTGQESDAAISALR YTPSGAFGSCRYKLKSLEQNRREYERLIEVFKAHDIGYFFYNGGGDSADTCLKVSQLSGTLGYPIQAIHV PKTVDNDLPITDCCPGFGSVAKYIAVSTLEASFDVASMSATSTKVFVLEVMGRHAGWIAAAGGLASSP EREIPVVILFPEISFDKQKFLAKVDSCVKKFGYCSVVVSEGVKGDDGKFLSDQGVRDAFGHAQLGGVA PVVASMVKEGLGLKYHWGVADYLQRAARHIASKTDVEQAYAMGQAAVEFAVQGHNSVMPTIERIS ARPYQWKVGMAQLSQVANVEKMMPENFITEDGFGITDLCREYLAPLIEGEDYPPYKDGLPDYVRLKN VAVPKKLSGFTL 100000000000000000000000000000000000000000000000000000000000000000000000000 000000011111100000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000011111111111111110000000000000000000000000000 000000000000000000000000000000000000000001000000000000000000000000000000000 00000000000000000000000000000000000000000001

>DM\_train376 MGDKGTRVFKKASPNGKLTVYLGKRDFVDHIDLVEPVDGVVLVDPEYLKERRVYVTLTCAFRYGREDL DVLGLTFRKDLFVANVQSFPPAPEDKKPLTRLQERLIKKLGEHAYPFTFEIPPNLPCSVTLQPGPEDTGK ACGVDYEVKAFCAENLEEKIHKRNSVRLVIRKVQYAPERPGPQPTAETTRQFLMSDKPLHLEASLDKEI YYHGEPISVNVHVTNNTNKTVKKIKISVRQYADICLFNTAQYKCPVAMEEADDTVAPSSTFCKVYTLTP FLANNREKRGLALDGKLKHEDTNLASSTLLREGANREILGIIVSYKVKVKLVVSRGGLLGDLASSDVAVE LPFTLMHPKPKEEPPHREVPEHETPVDTNLIELDTNDDDIVFEDFARQRLKGMKDDKEEEEDGTGSPRL NDR 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000111111111000000000000000011111111111111111111 1111111000000000000000001111111111111111111

>DM\_train377 GSHMTNYKEKLQQYAELLVKVGMNVQPKQPVFIRSSVETLELTHLIVEEAYHCGASDVRVVYSDPTLK RLKFENESVEHFANHEIKSYDVEARMDYVKRGAANLALISEDPDLMDGIDSQKLQAFQQQNARAFK GYMESVQKNQFPWVVAAFPSKAWAKRVYPELSVEEAYIKFIDEVFDIVRIDGNDPVENWRQHIANLS VYAQKLQQKNYHALHYVSEGTDLTVGLAKNHIWEDATSYVNGKEQAFIANIPTEEVFTAPDRNRVD

GYVTNKLPLSYNGTIIDQFKLMFKDGEIIDFSAEKGEAVLKDLINTDEGSRRLGEVALVPDDSPISNRNTI FYNTLFDENAACHLAIGSAYAFNIQGGTEMTVEEKIASGLNDSNVHVDFMIGSSDLTIYGIFEDGSKEL VFENGNWASTF

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>DM\_train378 MSLSTPLQGIKVLDFTGVQSGPSCTQMLAWFGADVIKIERPGVGDVTRHQLRDIPDIDALYFTMLNS NKRSIELNTKTAEGKEVMEKLIREADILVENFHPGAIDHMGFTWEHIQEINPRLIFGSIKGFDECSPYVN VKAYENVAQAAGGAASTTGFWDGPPLVSAAALGDSNTGMHLLIGLLAALLHREKTGRGQRVTMSM QDAVLNLCRVKLRDQQRLDKLGYLEEYPQYPNGTFGDAVPRGGNAGGGGQPGWILKCKGWETDP NAYIYFTIQEQNWENTCKAIGKPEWITDPAYSTAHARQPHIFDIFAEIEKYTVTIDKHEAVAYLTQFDIP CAPVLSMKEISLDPSLRQSGSVVEVEQPLRGKYLTVGCPMKFSAFTPDIKAAPLLGEHTAAVLQELGYS DDEIAAMKQNHAI 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000001111111000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000

>DM\_train379 SESPWIAEDTSQIQTKLLEFAKSPEVFDWMVKIRRKIHENPELGYEELETSKLIRSELELIGIKYRYPVAITG VIGYIGTGEPPFVALRADMDALPIQEGVEWEHKSKIAGKMHACGHDGHVTMLLGAAKILHEHRHHL QGTVVLIFQPAEEGLSGAKKMREEGALKNVEAIFGIHLSARIPFGKAASRAGSFLAGAGVFEAVITGKG GHAAIPQHTIDPVVAASSIVLSLQQLVSRETDPLDSKVVTVSKVNGGNAFNVIPDSITIGGTLRAFTGFT QLQQRVKEVITKQAAVHRCNASVNLTPNGREPMPPTVNNKDLYKQFKKVVRDLLGQEAFVEAAPV MGSEDFSYFAETIPGHFSLLGMQDETNGYASSHSPLYRINEDVLPYGAAIHASMAVQYLKEKASKGSV SGFHEEL 111111111111111000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000111111111000000000 000000000000000000000000000011111111000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000011111111111

>DM\_train381 TSPTTTSTGTGTGSSTDQAISPLVEGENAPEVTTAKLGFIALTDAAPLIIAKEKGFYAKYGMPDVEVLKQ ASWGTTRDNLVLGSASGGIDGAHILTPMPYLITMGTVTDGKPTPMYILARLNVNGQGIQLGNNYKDL KVGTDAAPLKEAFAKVTDPKVAMTFPGGTHDMWIRYWLAAGGMEPGKDFSTIVVPPAQMVANVK VNAMESFCVGEPWPLQTVNQGVGYQALTTGQLWKDHPEKAFGMRADWVDQNPKAAKALLMAV MEAQQWCDQAENKEEMCQILSKREWFKVPFEDIIDRSKGIYNFGNGQETFEDQEIMQKYWVDNAS YPYKSHDQWFLTENIRWGYLPASTDTKAIVDKVNREDLWREAAQALEVPADQIPSSPSRGIETFFDGIT

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>DM\_train382 MSLSNKLTLDKLDVKGKRVVMRVDFNVPMKNNQITNNQRIKAAVPSIKFCLDNGAKSVVLMSHLGR PDGVPMPDKYSLEPVAVELKSLLGKDVLFLKDCVGPEVEKACANPAAGSVILLENLRFHVEEEGKGKD ASGNKVKAEPAKIEAFRASLSKLGDVYVNDAFGTAHRAHSSMVGVNLPQKAGGFLMKKELNYFAKA LESPERPFLAILGGAKVADKIQLINNMLDKVNEMIIGGGMAFTFLKVLNNMEIGTSLFDEEGAKIVKDL MSKAEKNGVKITLPVDFVTADKFDENAKTGQATVASGIPAGWMGLDCGPESSKKYAEAVTRAKQIV WNGPVGVFEWEAFARGTKALMDEVVKATSRGCITIIGGGDTATCCAKWNTEDKVSHVSTGGGASLE LLEGKVLPGVDALSNI 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000011110000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000011 111111111110000000000000000000000000000000

>DM\_train385 CGSSSHETSYGYATLSYADYWAGELGQSRDVLLAGNAEADRAGDLDAGMFDAVSRATHGHGAFR QQFQYAVEVLGEKVLSKQETEDSRGRKKWEYETDPSVTKMVRASASFQDLGEDGEIKFEAVEGAVAL ADRASSFMVDSEEYKITNVKVHGMKFVPVAVPHELKGIAKEKFHFVEDSRVTENTNGLKTMLTEDSFS ARKVSSMESPHDLVVDTVGTGYHSRFGSDAEASVMLKRADGSELSHREFIDYVMNFNTVRYDYYGD DASYTNLMASYGTKHSADSWWKTGRVPRISCGINYGFDRFKGSGPGYYRLTLIANGYRDVVADVRFL PKYEGNIDIGLKGKVLTIGGADAETLMDAAVDVFADGQPKLVSDQAVSLGQNVLSADFTPGTEYTVE VRFKEFGSVRAKVVAQ 111111000000000000000000000000000011111111100000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000

>DM\_train386 MGSDKIHHHHHHPEQQVQQFAQLPVGFKNMGNTCYLNATLQALYRVNDLRDMILNYNPSQGVS NSGAQDEEIHKQIVIEMKRCFENLQNKSFKSVLPVVLLNTLRKCYPQFAERDSQGGFYKQQDAEELFT QLFHSMSIVFGDKFSEDFRIQFKTTIKDTANDNDITVKENESDSKLQCHISGTTNFMRNGLLEGLNEKIE KRSDLTGANSIYSVEKKISRLPKFLTVQYVRFFWKRSTNKKSKILRKVVFPFQLDVADMLTPEYAAEKVK VRDELRKVEKEKNEKEREIKRRKFDPSSSENVMTPREQYETQVALNESEKDQWLEEYKKHFPPNLEKGE NPSCVYNLIGVITHQGANSESGHYQAFIRDELDENKWYKFNDDKVSVVEKEKIESLAGGGESDSALIL MYKGFGL 111111111111111111000000000000000000000000000000000000000000000000000000000

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>DM\_train387 MSSKPKYVQDQEMIPGVYWVGIVDWMVRIFHGYHTDEGSSYNSYFIDDECPTVIDSVKYPFAEEWLS RIAACCPLDKIKYVVMNHAEGDHASSLKDHYHKFTNATFVCTKKCQEHLKILYGMEKATWLIVDDKYT LKIGKRTLKFIPVPLLHWPDSTFTYCPEDKILFSNDGFGQHYATSRRWADECDVSHVMHLFKEYTANIL GLFSAQMRKALEVASTVEIKYILSAHGVSWRGDAMGLAIAEYDRWSKGQHCQKKVTVVLDSMYGTT HRMALALLDGARSTGCETVLLEMTSSDITKVALHTYDSGAVAFASPTLNNTMMPSVAAALNYVRGLT LIKGKPAFAFGAFGWSNRAVPDIVAELRDGCKADVYDEKGITFKFNYTEELLEQAYNAGVDLGKRAIA YCEKNAPKQ 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000011

>DM\_train388 MGQLFSSPKSDENNDLPSSFTGYFKKFNTGRKIISQEILNLIELRMRAGNIQLTNSAISDALKEIDSSVLN VAVTGETGSGKSSFINTLRGIGNEEEGAAKTGVVEVTMERHPYKHPNIPNVVFWDLPGIGSTNFPPDT YLEKMKFYEYDFFIIISATRFKKNDIDIAKAISMMKKEFYFVRTKVDSDITNEADGEPQTFDKEKVLQDIRL NCVNTFRENGIAEPPIFLLSNKNVCHYDFPVLMDKLISDLPIYKRHNFMVSLPNITDSVIEKKRQFLKQRI WLEGFAADLVNIIPSLTFLLDSDLETLKKSMKFYRTVFGVDETSLQRLARDWEIEVDQVEAMIKSPAVFK PTDEETIQERLSRYIQEFCLANGYLLPKNSFLKEIFYLKYYFLDMVTEDAKTLLKEICLRN 111111111111100000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000001111000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000

>DM\_train389 KIQGGSVVEMQGDEMTRIIWELIKEKLILPYVELDLHSYDLGIENRDATNDQVTKDAAEAIKKYNVGVK CATITPDEKRVEEFKLKQMWKSPNGTIRNILGGTVFREAIICKNIPRLVTGWVKPIIIGRHAYGDQYRAT DFVVPGPGKVEITYTPKDGTQKVTYMVHDFEEGGGVAMGMYNQDKSIEDFAHSSFQMALSKGWPL YLSTKNTILKKYDGRFKDIFQEIYDKKYKSQFEAQNICYEHRLIDDMVAQAMKSEGGFIWACKNYDGD VQSDSVAQGYGSLGMMTSVLICPDGKTVEAEAAHGTVTRHYRMYQKGQETSTNPIASIFAWSRGLA HRAKLDNNTELSFFAKALEDVCIETIEAGFMTKDLAACIKGLPNVQRSDYLNTFEFMDKLGENLKAKLA QAK 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train390 ADGQQGAPLNSPNTYDVTTWRIKAHPEVTAQSDIGAVINDIIADIKQRQTSPDARPGAAIIIPPGDYD LHTQVVVDVSYLTIAGFGHGFFSRSILDNSNPTGWQNLQPGASHIRVLTSPSAPQAFLVKRAGDPRLS GIVFRDFCLDGVGFTPGKNSYHNGKTGIEVASDNDSFHITGMGFVYLEHALIVRGADALRVNDNMIA ECGNCVELTGAGQATIVSGNHMGAGPDGVTLLAENHEGLLVTGNNLFPRGRSLIEFTGCNRCSVTSN RLQGFYPGMLRLLNGCKENLITANHIRRTNEGYPPFIGRGNGLDDLYGVVHIAGDNNLISDNLFAYNV PPANIAPAGAQPTQILIAGGDANVVALNHVVSDVASQHVVLDASTTHSKVLDSGTASQITSYSSDTAI RPTP 111111111110000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000

>DM\_train391 MSVFDSKFKGIHVYSEIGELESVLVHEPGREIDYITPARLDELLFSAILESHDARKEHKQFVAELKANDIN VVELIDLVAETYDLASQEAKDKLIEEFLEDSEPVLSEEHKVVVRNFLKAKKTSRELVEIMMAGITKYDLGIE ADHELIVDPMPNLYFTRDPFASVGNGVTIHYMRYKVRQRETLFSRFVFSNHPKLINTPWYYDPSLKLSI EGGDVFIYNNDTLVVGVSERTDLQTVTLLAKNIVANKECEFKRIVAINVPKWTNLMHLDTWLTMLDK DKFLYSPIANDVFKFWDYDLVNGGAEPQPVENGLPLEGLLQSIINKKPVLIPIAGEGASQMEIERETHF DGTNYLAIRPGVVIGYSRNEKTNAALEAAGIKVLPFHGNQLSLGMGNARCMSMPLSRKDVKW 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000

>DM\_train392 GMNNIQAIRKKVETQIDDLQNKTDEIAEFNQAKVLDAFQENKVSDFHFHPSTGYGYDDEGRDTLERV YATVFKTEAALVRPQIISGTHAISTVLFGILRPDDELLYITGQPYDTLEEIVGIRKQGQGSLKDFHIGYSSV PLLENGDVDFPRIAKKMTPKTKMIGIQRSRGYADRPSFTIEKIKEMIVFVKNINPEVIVFVDNCYGEFVEY QEPPEVGADIIAGSLIKNPGGGLAKTGGYIAGKEALVDLCGYRLTTPGIGREAGASLYSLLEMYQGFFLA PHVTAQAIKGARFTAAMLAEFGVEADPVWDAPRTDLIQSVSFHNKEKMVAFAQAIQAASPVNAHVL PIGAYMPGYEDDVIMAAGTFIQGASLELTADGPIREPYQLYVQGGLTYEHIKIAVTRAIQKIV 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000001100000000000000000000000000000000110000000000000000 0001111110000000000000000000000001

>DM\_train393 APQVVDKVAAVVNNGVVLESDVDGLMQSVKLNAAQARQQLPDDATLRHQIMERLIMDQIILQMG

QKMGVKISDEQLDQAIANIAKQNNMTLDQMRSRLAYDGLNYNTYRNQIRKEMIISEVRNNEVRRRIT ILPQEVESLAQQVGNQNDASTELNLSHILIPLPENPTSDQVNEAESQARAIVDQARNGADFGKLAIAH SADQQALNGGQMGWGRIQELPGIFAQALSTAKKGDIVGPIRSGVGFHILKVNDLRGESKNISVTEVH ARHILLKPSPIMTDEQARVKLEQIAADIKSGKTTFAAAAKEFSQDPGSANQGGDLGWATPDIFDPAFR DALTRLNKGQMSAPVHSSFGWHLIELLDTRNVDKTDAAQKDRAYRMLMNRKFSEEAASWMQEQR ASAYVKILSN

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>DM\_train394 MLFDEKEILAITRWAKLYANQSPDRILLGSNDIPPEYRAAVATQIELWPRLRNKLPQWAGISSLYIPSRL SLEQSSGAVTSSYKSRFIREGTKVVDLTGGLGIDFIALMSKASQGIYIERNDETAVAARHNIPLLLNEGK DVNILTGDFKEYLPLIKTFHPDYIYVDPARRSGADKRVYAIADCEPDLIPLATELLPFCSSILAKLSPMIDL WDTLQSLLHVQELHVVAAHGEVKELLVRMSLNEATIPPEKVPIHAINLLLEDTVIPFIFTMEEERSISIPYT DSIDKYVYEPHTALLKAGAFKTVAYRLGLRKLHPNSHLYTSEAYESAFPGRTFVLEEIIPFSTSVLKQLRKV VPQASISCRNFPLSPIELRQRSKMADGGEKTLMGTTMADGKKVLLLLRKAE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000111110000000000000000000000000000000000000000000000000 000000000000000000000000000000000000001000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000

>DM\_train395 PGSSVSGTFGCLGGRLTIPGTGVSLLVPNGAIPQGKFYDLYLRINKTESTLPLSEGSQTVLSPSVTCGPT GLLLCRPVVLTVPHCAEVIAGDWIFQLKTQAHQGHWEEVVTLDEETLNTPCYCQLEAKSCHILLDQLG TYVFTGESYSRSAVKRLQLAIFAPALCTSLEYSLRVYCLEDTPAALKEVLELERTLGGYLVEEPKPLLFKDS YHNLRLSLHDIPHAHWRSKLLAKYQEIPFYHVWNGSQKALHCTFTLERHSLASTEFTCKVCVRQVEGE GQIFQLHTTLAETPAGSLDALCSAPGNAATTQLGPYAFKIPLSIRQKICNSLDAPNSRGNDWRLLAQK LSMDRYLNYFATKASPTGVILDLWEARQQDDGDLNSLASALEEMGKSEMLVAMTTDGDC 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000111111111111 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000111

>DM\_train396 MADLLPEHPEFLWANPEPKKSYDAIIVGGGGHGLATAYFLAKNHGITNVAVLEKGWLAGGNMARNT TIIRSNYLWDESAGIYEKSLKLWEQLPEDLEYDFLFSQRGVLNLAHTLGDVRESVRRVEANKLNGVDAE WLDPSQVKEACPIINTSDDIRYPVMGATWQPRAGIAKHDHVAWAFARKANEMGVDIIQNCEVTGFI KDGEKVTGVKTTRGTIHAGKVALAGAGHSSVLAEMAGFELPIQSHPLQALVSELFEPVHPTVVMSNHI HVYVSQAHKGELVMGAGIDSYNGYGQRGAFHVIQEQMAAAVELFPIFARAHVLRTWGGIVDTTMD

ASPIISKTPIQNLYVNCGWGTGGFKGTPGAGFTLAHTIANDEPHELNKPFSLERFETGHLIDEHGAAAV AH 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000

>DM\_train398 LHLDQTPSRQPIPSEGLQLHLPQVLADAVSRLVLGKFGDLTDNFSSPHARRKVLAGVVMTTGTDVKD AKVISVSTGTKCINGEYMSDRGLALNDCHAEIISRRSLLRFLYTQLELYLNNKDDQKRSIFQKSERGGFR LKENVQFHLYISTSPCGDARIFSPHEPILEEPADRHPNRKARGQLRTKIESGEGTIPVRSNASIQTWDGV LQGERLLTMSCSDKIARWNVVGIQGSLLSIFVEPIYFSSIILGSLYHGDHLSRAMYQRISNIEDLPPLYTL NKPLLSGISNAEARQPGKAPNFSVNWTVGDSAIEVINATTGKDELGRASRLCKHALYCRWMRVHGK VPSHLLRSKITKPNVYHESKLAAKEYQAAKARLFTAFIKAGLGAWVEKPTEQDQFSLTP 111111100000001111000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000011111111111100000000000000000000111111111111111110000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000001

>DM\_train399 MSTFNRIHLVVLDSVGIGAAPDANNFSNAGVPDGASDTLGHISKTVGLNVPNMAKIGLGNIPRDTPL KTVPAENHPTGYVTKLEEVSLGKDTMTGHWEIMGLNITEPFDTFWNGFPEEIISKIEKFSGRKVIREANK PYSGTAVIDDFGPRQMETGELIIYTSADPVLQIAAHEDVIPLDELYRICEYARSITLERPALLGRIIARPYVG KPRNFTRTANRHDYALSPFAPTVLNKLADAGVSTYAVGKINDIFNGSGITNDMGHNKSNSHGVDTLI KTMGLSAFTKGFSFTNLVDFDALYGHRRNAHGYRDCLHEFDERLPEIIAAMKVDDLLLITADHGNDPT YAGTDHTREYVPLLAYSPSFTGNGVLPVGHYADISATIADNFGVDTAMIGESFLDKLI 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000111111111 111100000000000000000000000000000000000000000000000000000111111111100000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000

>DM\_train400 SKKVKVSHRSHSTEPGLVLTLGQGDVGQLGLGENVMERKKPALVSIPEDVVQAEAGGMHTVCLSKS GQVYSFGCNDEGALGRDTSVEGSEMVPGKVELQEKVVQVSAGDSHTAALTDDGRVFLWGSFRDN NGVIGLLEPMKKSMVPVQVQLDVPVVKVASGNDHLVMLTADGDLYTLGCGEQGQLGRVPELFANR GGRQGLERLLVPKCVMLKSRGSRGHVRFQDAFCGAYFTFAISHEGHVYGFGLSNYHQLGTPGTESCFI PQNLTSFKNSTKSWVGFSGGQHHTVCMDSEGKAYSLGRAEYGRLGLGEGAEEKSIPTLISRLPAVSSV ACGASVGYAVTKDGRVFAWGMGTNYQLGTGQDEDAWSPVEMMGKQLENRVVLSVSSGGQHTVL LVKDKEQS 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train401 EKPGETKEVHPQLTTFRCTKRGGCKPATNFIVLDSLSHPIHRAEGLGPGGCGDWGNPPPKDVCPDVE SCAKNCIMEGIPDYSQYGVTTNGTSLRLQHILPDGRVPSPRVYLLDKTKRRYEMLHLTGFEFTFDVDAT KLPCGMNSALYLSEMHPTGAKSKYNPGGAYYGTGYCDAQCFVTPFINGLGNIEGKGSCCNSMDIWE ANSRASHVAPHTCNKKGLYLCEGEECAFEGVCDKNGCGWNNYRVNVTDYYGRGEEFKVNTLKPFT VVTQFLANRRGKLEKIHRFYVQDGKVIESFYTNKEGVPYTNMIDDEFCEATGSRKYMELGATQGMGE ALTRGMVLAMSIWWDQGGNMEWLDHGEAGPCAKGEGAPSNIVQVEPFPEVTYTNLRWGEIGSTY QELQ 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000111

>DM\_train402 GSMRICIFMARGLEGCGVTKFSLEQRDWFIKNGHEVTLVYAKDKSFTRTSSHDHKSFSIPVILAKEYDK ALKLVNDCDILIINSVPATSVQEATINNYKKLLDNIKPSIRVVVYQHDHSVLSLRRNLGLEETVRRADVIF SHSDNGDFNKVLMKEWYPETVSLFDDIEEAPTVYNFQPPMDIVKVRSTYWKDVSEINMNINRWIGRT TTWKGFYQMFDFHEKFLKPAGKSTVMEGLERSPAFIAIKEKGIPYEYYGNREIDKMNLAPNQPAQILD CYINSEMLERMSKSGFGYQLSKLNQKYLQRSLEYTHLELGACGTIPVFWKSTGENLKFRVDNTPLTSH DSGIIWFDENDMESTFERIKELSSDRALYDREREKAYEFLYQHQDSSFCFKEQFDIITK 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000001111111 111111111111111111111100000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000

>DM\_train403 MSEPIDILIAGAGIGGLSCALALHQAGIGKVTLLESSSEIRPLGVGINIQPAAVEALAELGLGPALAATAIP THELRYIDQSGATVWSEPRGVEAGNAYPQYSIHRGELQMILLAAVRERLGQQAVRTGLGVERIEERD GRVLIGARDGHGKPQALGADVLVGADGIHSAVRAHLHPDQRPLSHGGITMWRGVTEFDRFLDGKT MIVANDEHWSRLVAYPISARHAAEGKSLVNWVCMVPSAAVGQLDNEADWNRDGRLEDVLPFFAD WDLGWFDIRDLLTRNQLILQYPMVDRDPLPHWGRGRITLLGDAAHLMYPMGANGASQAILDGIELA AALARNADVAAALREYEEARRPTANKIILANREREKEEWAAASRPKTEKSAALEAITGSYRNQVERPR 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000011111111111111111110000

>DM\_train404 MQRPSDQTAPGTSSRPILSAKEAQNFDAQHYFASLTPGAAAWNPSPITLPAQPDFVVGPAGTQGVT HTTIQAAVDAAIIKRTNKRQYIAVMPGEYQGTVYVPAAPGGITLYGTGEKPIDVKIGLSLDGGMSPAD WRHDVNPRGKYMPGKPAWYMYDSCQSKRSDSIGVLCSAVFWSQNNGLQLQNLTIENTLGDSVDA GNHPAVALRTDGDQVQINNVNILGRQNTFFVTNSGVQNRLETNRQPRTLVTNSYIEGDVDIVSGRG AVVFDNTEFRVVNSRTQQEAYVFAPATLSNIYYGFLAVNSRFNAFGDGVAQLGRSLDVDANTNGQV VIRDSAINEGFNTAKPWADAVISNRPFAGNTGSVDDNDEIQRNLNDTNYNRMWEYNNRGVGSKVV AEAKK 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000001111111

>DM\_train405 SSLDDKPQFPGASAEFIDKLEFIQPNVISGIPIYRVMDRQGQIINPSEDPHLPKEKVLKLYKSMTLLNTM DRILYESQRQGRISFYMTNYGEEGTHVGSAAALDNTDLVFGQAREAGVLMYRDYPLELFMAQCYGNI SDLGKGRQMPVHYGCKERHFVTISSPLATQIPQAVGAAYAAKRANANRVVICYFGEGAASEGDAHA GFNFAATLECPIIFFCRNNGYAISTPTSEQYRGDGIAARGPGYGIMSIRVDGNDVFAVYNATKEARRRA VAENQPFLIEAMTYRIGHASTSDDSSAFRSVDEVNYWDKQDHPISRLRHYLLSQGWWDEEQEKAWR KQSRRKVMEAFEQAERKPKPNPNLLFSDVYQEMPAQLRKQQESLARHLQTYGEHYPLDHFDK 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000011001111111 111111111111000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000

>DM\_train406 MGVSPAAPASGIRRPCYLVLSSHDFRTPRRANIHFITDQLALRGTTRFFSLRYSRLSRMKGDMRLPLDD TANTVVSHNGVDCYLWRTTVHPFNTRRSWLRPVEDAMFRWYAAHPPKQLLDWMRESDVIVFESGI AVAFIELAKRVNPAAKLVYRASDGLSTINVASYIEREFDRVAPTLDVIALVSPAMAAEVVSRDNVFHVG HGVDHNLDQLGDPSPYAEGIHAVAVGSMLFDPEFFVVASKAFPQVTFHVIGSGMGRHPGYGDNVIV YGEMKHAQTIGYIKHARFGIAPYASEQVPVYLADSSMKLLQYDFFGLPAVCPNAVVGPYKSRFGYTPG NADSVIAAITQALEAPRVRYRQCLNWSDTTDRVLDPRAYPETRLYPHPPTAAPQLSSEAALSH 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000111111111111111

>DM\_train407 MTALKVGSESWWQSKHGPEWQRLNDEMFEVTFWWRDPQGSEEYSTIKRVWVYITGVTDHHQNS QPQSMQRIAGTDVWQWTTQLNANWRGSYCFIPTERDDIFSAPSPDRLELREGWRKLLPQAIADPLN PQSWKGGLGHAVSALEMPQAPLQPGWDCPQAPEIPAKEIIWKSERLKNSRRVWIFTTGDVTAEERPL

AVLLDGEFWAQSMPVWPVLTSLTHRQQLPPAVYVLIDAIDTTHRAHELPCNADFWLAVQQELLPLV KVIAPFSDRADRTVVAGQSFGGLSALYAGLHWPERFGCVLSQSGSYWWPHRGGQQEGVLLEKLKA GEVSAEGLRIVLEAGIREPMIMRANQALYAQLHPIKESIFWRQVDGGHDALCWRGGLMQGLIDLWQ PLFHDRS

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>DM\_train408 MKTITLYLDPASLPALNQLMDFTQNNEDKTHPRIFGLSRFKIPDNIITQYQNIHFVELKDNRPTEALFTIL DQYPGNIELNIHLNIAHSVQLIRPILAYRFKHLDRVSIQQLNLYDDGSMEYVDLEKEENKDISAEIKQAE KQLSHYLLTGKIKFDNPTIARYVWQSAFPVKYHFLSTDYFEKAEFLQPLKEYLAENYQKMDWTAYQQL TPEQQAFYLTLVGFNDEVKQSLEVQQAKFIFTGTTTWEGNTDVREYYAQQQLNLLNHFTQAEGDLFI GDHYKIYFKGHPRGGEINDYILNNAKNITNIPANISFEVLMMTGLLPDKVGGVASSLYFSLPKEKISHIIF TSNKQVKSKEDALNNPYVKVMRRLGIIDESQVIFWDSLKQLGGGLEHHHHHH 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000111111111

>DM\_train409 TMAHHHHHHVTNSTDGRADGRLRVVVLGSTGSIGTQALQVIADNPDRFEVVGLAAGGAHLDTLLR QRAQTGVTNIAVADEHAAQRVGDIPYHGSDAATRLVEQTEADVVLNALVGALGLRPTLAALKTGAR LALANKESLVAGGSLVLRAARPGQIVPVDSEHSALAQCLRGGTPDEVAKLVLTASGGPFRGWSAADL EHVTPEQAGAHPTWSMGPMNTLNSASLVNKGLEVIETHLLFGIPYDRIDVVVHPQSIIHSMVTFIDGS TIAQASPPDMKLPISLALGWPRRVSGAAAACDFHTASSWEFEPLDTDVFPAVELARQAGVAGGCMT AVYNAANEEAAAAFLAGRIGFPAIVGIIADVLHAADQWAVEPATVDDVLDAQRWARERAQRAVSG

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>DM\_train410 MAYDVARVRGLHPSLGDGWVHFDAPAGMLIPDSVATTVSTAFRRSGASTVGAHPSARRSAAVLDA AREAVADLVNADPGGVVLGADRAVLLSLLAEASSSRAGLGYEVIVSRLDDEANIAPWLRAAHRYGAK VKWAEVDIETGELPTWQWESLISKSTRLVAVNSASGTLGGVTDLRAMTKLVHDVGALVVVDHSAAA PYRLLDIRETDADVVTVNAHAWGGPPIGAMVFRDPSVMNSFGSVSTNPYATGPARLEIGVHQFGLLA GVVASIEYLAALDESARGSRRERLAVSMQSADAYLNRVFDYLMVSLRSLPLVMLIGRPEAQIPVVSFAV HKVPADRVVQRLADNGILAIANTGSRVLDVLGVNDVGGAVTVGLAHYSTMAEVDQLVRALASLG

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>DM\_train411 MSKVFIATANAGKAHDADIFSVSACNSFTVSCSGDGYLKVWDNKLLDNENPKDKSYSHFVHKSGLH HVDVLQAIERDAFELCLVATTSFSGDLLFYRITREDETKKVIFEKLDLLDSDMKKHSFWALKWGASNDR LLSHRLVATDVKGTTYIWKFHPFADESNSLTLNWSPTLELQGTVESPMTPSQFATSVDISERGLIATGF NNGTVQISELSTLRPLYNFESQHSMINNSNSIRSVKFSPQGSLLAIAHDSNSFGCITLYETEFGERIGSLS VPTHSSQASLGEFAHSSWVMSLSFNDSGETLCSAGWDGKLRFWDVKTKERITTLNMHCDDIEIEEDIL AVDEHGDSLAEPGVFDVKFLKKGWRSGMGADLNESLCCVCLDRSIRWFREAGGK 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000011110000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 001110000000000000000000000000000000000000000000000011111111000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000011

>DM\_train412 APARGTLLTSNFLTSYTRDAISAMLASGSQPASGSQPEQAKCNVRVAEFTYATIGVEGEPATASGVLLI PGGERCSGPYPLLGWGHPTEALRAQEQAKEIRDAKGDDPLVTRLASQGYVVVGSDYLGLGKSNYAY HPYLHSASEASATIDAMRAARSVLQHLKTPLSGKVMLSGYSQGGHTAMATQREIEAHLSKEFHLVAS APISGPYALEQTFLDSWSGSNAVGENTFGILLGSYAIVAMQHTYKNIYLEPGQVFQDPWAAKVEPLFP GKQSLTDMFLNDTLPSIDKVKSYFQPGFYSDFPSNPANPFRQDLARNNLLEWAPQTPTLLCGSSNDA TVPLKNAQTAIASFQQRGSNQVALVDTGTGNASDNSAFAHMLTKESCIVVVRDQLLDKQR 100000000000000000000000000111111111000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000

>DM\_train413 MSLVVFPFKHEHPEVLLHNVRVAAAHPRVHEVLCIGYERDQTYEAVERAAPEISRATGTPVSVRLQER LGTLRPGKGDGMNTALRYFLEETQWERIHFYDADITSFGPDWITKAEEAADFGYGLVRHYFPRASTDA MITWMITRTGFALLWPHTELSWIEQPLGGELLMRREVAAMLYEDERVRRRSDWGIDTLYTFVTVQQG VSIYECYIPEGKAHRLYGGLDDLRTMLVECFAAIQSLQHEVVGQPAIHRQEHPHRVPVHIAERVGYDV EATLHRLMQHWTPRQVELLELFTTPVREGLRTCQRRPAFNFMDEMAWAATYHVLLEHFQPGDPDW EELLFKLWTTRVLNYTMTVALRGYDYAQQYLYRMLGRYRYQAALENGRGHPVPPRAALSTA 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train414 MGVTKTPLYETLNESSAVALAVKLGLFPSKSTLTCQEIGDGNLNYVFHIYDQEHDRALIIKQAVPYAKV VGESWPLTIDRARIESSALIRQGEHVPHLVPRVFYSDTEMAVTVMEDLSHLKIARKGLIEGENYPHLSQ HIGEFLGKTLFYSSDYALEPKVKKQLVKQFTNPELCDITERLVFTDPFFDHDTNDFEEELRPFVEKLWNN DSVKIEAAKLKKSFLTSAETLIHGDLHTGSIFASEHETKVIDPEFAFYGPIGFDVGQFIANLFLNALSRDGA DREPLYEHVNQVWETFEETFSEAWQKDSLDVYANIDGYLTDTLSHIFEEAIGFAGCELIRRTIGLAHVA DLDTIVPFDKRIGRKRLALETGTAFIEKRSEFKTITDVIELFKLLVKE 111111000000000000000000001111111000000000000000001111100000000001111111110 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000001

>DM\_train416 MSPLRKTVPEFLAHLKSLPISKIASNDVLTICVGNESADMDSIASAITYSYCQYIYNEGTYSEEKKKGSFIV PIIDIPREDLSLRRDVMYVLEKLKIKEEELFFIEDLKSLKQNVSQGTELNSYLVDNNDTPKNLKNYIDNVV GIIDHHFDLQKHLDAEPRIVKVSGSCSSLVFNYWYEKLQGDREVVMNIAPLLMGAILIDTSNMRRKVE ESDKLAIERCQAVLSGAVNEVSAQGLEDSSEFYKEIKSRKNDIKGFSVSDILKKDYKQFNFQGKGHKGL EIGLSSIVKRMSWLFNEHGGEADFVNQCRRFQAERGLDVLVLLTSWRKAGDSHRELVILGDSNVVREL IERVSDKLQLQLFGGNLDGGVAMFKQLNVEATRKQVVPYLEEAYSNLEE 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000111110000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000

>DM\_train417 GMETYDVLVVGGGPGGSTAARYAAKYGLKTLMIEKRPEIGSPVRCGEGLSKGILNEADIKADRSFIANE VKGARIYGPSEKRPIILQSEKAGNEVGYVLERDKFDKHLAALAAKAGADVWVKSPALGVIKENGKVAG AKIRHNNEIVDVRAKMVIAADGFESEFGRWAGLKSVILARNDIISALQYRMINVDVDPDYTDFYLGSIA PAGYIWVFPKGEGMANVGIGSSINWIHNRFELKNYLDRFIENHPGLKKGQDIQLVTGGVSVSKVKMPI TMPGLMLVGDAARLIDPITGGGIANAIVSGMYAAQVTKEAIESNDYSPQMMQKYEKLIKERFERKHLR NWVAKEKLAMLSDDTLDKLVDIVSEQVLTTISVEAILKAIAEKYPEVVKELEDLI 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000111110000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000001111111111

>DM\_train418 TTLLNPYFGEFGGMYVPQILMPALNQLEEAFVRAQKDPEFQAQFADLLKNYAGRPTALTKCQNITAG TRTTLYLKREDLLHGGAHKTNQVLGQALLAKRMGKSEIIAETGAGQHGVASALASALLGLKCRIYMGA KDVERQSPNVFRMRLMGAEVIPVHSGSATLKDACNEALRDWSGSYETAHYMLGTAAGPHPYPTIVR

EFQRMIGEETKAQILDKEGRLPDAVIACVGGGSNAIGMFADFINDTSVGLIGVEPGGHGIETGEHGAP LKHGRVGIYFGMKAPMMQTADGQIEESYSISAGLDFPSVGPQHAYLNSIGRADYVSITDDEALEAFKT LCRHEGIIPALESSHALAHALKMMREQPEKEQLLVVNLSGRGDKDIFTVHDILKARGEI

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>DM\_train419 PQDLMVTCTAPVNIAVIKYWGKRDEALILPINSSLSVTLHQDQLKTTTTVAISKDFTEDRIWLNGREED VGQPRLQACLREIRRLARKRRSTEDGDTLPLSLSYKVHVASVNNFPTAAGLASSAAGYACLAYTLAQV YGVEGDLSEVARRGSGSACRSLYGGFVEWQMGEQADGKDSIARQIAPEWHWPQLRILILVVSADKK QTGSTVGMQTSVETSTLLKFRAESVVPERMKEMTRCIQEQDFQGFAQLTMKDSNQFHATCLDTFPPI SYLNDTSRRIIQLVHRFNTHHGQTKVAYTFDAGPNAVIFTLEDTVAEFVAAVRHSFPPAANGDKFLKG LQVAPVLLSDELKAALVVEPSPGGVQYIIATQVGPGPQVLDDTHDHLLGQDGLPQRDL 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000111111111000000000000000011111000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000011000000000000000000000011000000000000000000 000000000000000000111

>DM\_train420 MFENITAAPADPILGLADLFRADERPGKINLGIGVYKDETGKTPVLTSVKKAEQYLLENETTKNYLGIDGI PEFGRCTQELLFGKGSALINDKRARTAQTPGGTGALRVAADFLAKNTSVKRVWVSNPSWPNHKSVF NSAGLEVREYAYYDAENHTLDFDALINSLNEAQAGDVVLFHGCCHNPTGIDPTLEQWQTLAQLSVE KGWLPLFDFAYQGFARGLEEDAEGLRAFAAMHKELIVASSYSKNFGLYNERVGACTLVAADSETVDR AFSQMKAAIRANYSNPPAHGASVVATILSNDALRAIWEQELTDMRQRIQRMRQLFVNTLQEKGANR DFSFIIKQNGMFSFSGLTKEQVLRLREEFGVYAVASGRVNVAGMTPDNMAPLCEAIVAVL 000000000011111111111111111000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000

>DM\_train421 MSQPQSSQVTKRGLTDPERAAIIAAAVPDHALDTQRKYHYFIQPRWKPLSEYEQLSCYAQPNPDWIA GGLDWGDWTQKFHGGRPSWGNESTELRTTDWYRHRDPARRWHHPYVKDKSEEARYTQRFLAAYS SEGSIRTIDPYWRDEILNKYFGALLYSEYGLFNAHSSVGRDCLSDTIRQTAVFAALDKVDNAQMIQME RLFIAKLVPGFDASTDVPKKIWTTDPIYSGARATVQEIWQGVQDWNEILWAGHAVYDATFGQFARRE FFQRLATVYGDTLTPFFTAQSQTYFQTTRGAIDDLFVYCLANDSEFGAHNRTFLNAWTEHYLASSVAA LKDFVGLYAKVEKVAGATDSAGVSEALQRVFGDWKIDYADKIGFRVDVDQKVDAVLAGYKN 111111111100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train422 MFAKFPSSASISPNPFTVSIPDEQLDDLKTLVRLSKIAPPTYESLQADGRFGITSEWLTTMREKWLSEFD WRPFEARLNSFPQFTTEIEGLTIHFAALFSEREDAVPIALLHGWPGSFVEFYPILQLFREEYTPETLPFHLV VPSLPGYTFSSGPPLDKDFGLMDNARVVDQLMKDLGFGSGYIIQGGDIGSFVGRLLGVGFDACKAVH LNFCNMSAPPEGPSIESLSAAEKEGIARMEKFMTDGYAYAMEHSTRPSTIGHVLSSSPIALLAWIGEKYL QWVDKPLPSETILEMVSLYWLTESFPRAIHTYREWVPTASAPNGATPYQKELYIHKPFGFSFFPKDLVP VPRSWIATTGNLVFFRDHAEGGHFAALERPRELKTDLTAFVEQVWQK 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000111111 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000111111110000000000000000000000000000000000000000000000000000 00000000000000000011

>DM\_train424 AQVQQLTPAQQAALRNQQAMAANLQARQIVLQQSYPVIQQVETQTFDPANRSVFDVTPANVGIV KGFLVKVTAAITNNHATEAVALTDFGPANLVQRVIYYDPDNQRHTETSGWHLHFVNTAKQGAPFLS SMVTDSPIKYGDVMNVIDAPATIAAGATGELTMYYWVPLAYSETDLTGAVLANVPQSKQRLKLEFAN NNTAFAAVGANPLEAIYQGAGAADCEFEEISYTVYQSYLDQLPVGQNGYILPLIDLSTLYNLENSAQA GLTPNVDFVVQYANLYRYLSTIAVFDNGGSFNAGTDINYLSQRTANFSDTRKLDPKTWAAQTRRRIA TDFPKGVYYCDNRDKPIYTLQYGNVGFVVNPKTVNQNARLLMGYEYFTSRTELVNAGTISTT 111111111111100000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000111111111111

>DM\_train425 APLASVPTPAFPFPVPTMVHGPCVAESEPALLTGSKQFGLSRNSHIAIAFDDTKVKNRLTIELEVRTEAE SGLLFYMARINHADFATVQLRNGFPYFSYDLGSGDTSTMIPTKINDGQWHKIKIVRVKQEGILYVDDA SSQTISPKKADILDVVGILYVGGLPINYTTRRIGPVTYSLDGCVRNLHMEQAPVDLDQPTSSFHVGTCF ANAESGTYFDGTGFAKAVGGFKVGLDLLVEFEFRTTRPTGVLLGVSSQKMDGMGIEMIDEKLMFHVD NGAGRFTAIYDAEIPGHMCNGQWHKVTAKKIKNRLELVVDGNQVDAQSPNSASTSADTNDPVFVG GFPGGLNQFGLTTNIRFRGCIRSLKLTKGTGKPLEVNFAKALELRGVQPVSCPTT 111111111111111111100000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000

>DM\_train426

MKTQVAIIGAGPSGLLLGQLLHKAGIDNVILERQTPDYVLGKIRAGVLEQGMVDLLREAGVDRRMAR DGLVHEGVEIAFAGQRRRIDLKRLSGGKTVTVYGQTEVTRDLMEAREASGATTVYQAAEVRLHDLQG ERPYVTFERDGERLRLDCDYIAGCDGFHGISRQSIPAERLKVFERVYPFGWLGLLADTPPVSHELIYANH PRGFALCSQRSATRSRYYVQVPLTEKVEDWSDERFWTELKARLPAEVAEKLVTGPSLEKSIAPLRSFVVE PMQHGRLFLAGDAAHIVPPTGAKGLNLAASDVSTLYRLLLKAYREGRGELLERYSAICLRRIWKAERFS WWMTSVLHRFPDTDAFSQRIQQTELEYYLGSEAGLATIAENYVGLPYEEIE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000111

>DM\_train428 GMSSSDRYMQRGVSSQKEDVHKAIKSIDKGIYPRAFCKIIPDILGGDPEYCNIMHADGAGTKSSLAYV YWKETGDISVWKGIAQDAVIMNIDDLICVGAVDNILLSSTIGRNKNLIPGEVLAAIINGTEEVLQMLRD NGIGIYSTGGETADVGDLVRTIIVDSTVTCRMKRQDVISNENIKAGNVIVGFASYGQTSYETEYNGGM GSNGLTSARHDVFNNVLASKYPESFDPKVPENLVYSGEMNLTDPYLNVPLDAGKLVLSPTRTYAPLM KEIIHQYKGKLDGVVHCSGGGQTKVLHFTDATTHIIKDNLFDVPPLFQLIQGQSNTPWEEMYKVFNM GHRLEIYTDAAHAEGMIAIAKKFNIEAKIIGRVEAPVAGKRLTITGPQGTEYTYA 111111111111111111111111111000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000

>DM\_train429 MRCIGISNRDFVEGVSGGSWVDIVLEHGSCVTTMAKNKPTLDFELIKTEAKQPATLRKYCIEAKLTNTT TESRCPTQGEPTLNEEQDKRFVCKHSMVDRGWGNGCGLFGKGGIVTCAMFTCKKNMEGKIVQPEN LEYTVVITPHSGEEHAVGNDTGKHGKEVKITPQSSITEAELTGYGTVTMECSPRTGLDFNEMVLLQMK DKAWLVHRQWFLDLPLPWLPGADTQGSNWIQKETLVTFKNPHAKKQDVVVLGSQEGAMHTALTG ATEIQMSSGNLLFTGHLKCRLRMDKLQLKGMSYSMCTGKFKVVKEIAETQHGTIVIRVQYEGDGSPCK IPFEIMDLEKRHVLGRLITVNPIVTEKDSPVNIEAEPPFGDSYIIIGVEPGQLKLNWFKK 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000111111 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000

>DM\_train430 MKLEIFSWWAGDEGPALEALIRLYKQKYPGVEVINATVTGGAGVNARAVLKTRMLGGDPPDTFQVH AGMELIGTWVVANRMEDLSALFRQEGWLQAFPKGLIDLISYKGGIWSVPVNIHRSNVMWYLPAKLK GWGVNPPRTWDKFLATCQTLKQKGLEAPLALGENWTQQHLWESVALAVLGPDDWNNLWNGKLK FTDPKAVRAWEVFGRVLDCANKDAAGLSWQQAVDRVVQGKAAFNIMGDWAAGYMTTTLKLKPG TDFAWAPSPGTQGVFMMLSDSFGLPKGAKNRQNAINWLRLVGSKEGQDTSNPLKGSIAARLDSDPS

KYNAYGQSAMRDWRSNRIVGSLVHGAVAPESFMSQFGTVMEIFLQTRNPQAAANAAQAIADQVG LGRLGQ 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000111

>DM\_train431 MGSSSSGRENLYFQGMASIVFSTIGNPKGYQKVTYEIDGEKFESNVSVLALRDLLKVDKTVVILGISVAD VYNCKYADYRSCKECIIQNSKNDLGISESYVVAPNVYQKFKGKPDHYFTYIYYHSLRILEKEGINEVFIDT THGINYMGVLAKEAIQLAVSAYAAKSEKEVKVSLYNSDPVGKDVSDTVKLHEIEAIKISPLSGLKYVTYQI LNKDKNFFNKIFSDSVNAIPRFATALDNGLFIYLSEKDSSLHLKRLEDDLSKDPLLTPSENEINVVYKDM KYALSHALFYVISRFSGNVDLDTLRHYAETYADKVTRAIIENEVDKIEKYQMGSERKLLGEYMKVEGKGF DKRILYAHGGLPYAGTYVYKEKDKVYVTYGDKIDEIERQIGS 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000111111111000000000000000000000 0000000000000000011

>DM\_train432 IESLCMNCYRNGTTRLLLTKIPFFREIIVSSFSCEHCGWNNTEIQSAGRIQDQGVRYTLTVRSQEDMNR EVVKTDSATTRIPELDFEIPAFSQKGALTTVEGLISRAISGLEQDQPTRRAVEGAIAERIDEFIGKLKDLKQ MASPFTLVIDDPSGNSFVENPHAPQKDNALVITYYDRTPQQAEMLGLQAEAPEEKAEEEDLRNEVLQ FNTNCPECNAPAQTNMKLVQIPHFKEVIIMATNCENCGHRTNEVKSGGAVEPLGTRITLHITDPSDM TRDLLKSETCSVEIPELEFELGMAVLGGKFTTLEGLLKDIRELVTKNPFTLGDSSNPDQSEKLQEFSQKLG QIIEGKMKAHFIMNDPAGNSYLQNVYAPEDDPEMKVERYKRTFDQNEE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000001111111111000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000

>DM\_train433 MASMQKLINSVQNYAWGSKTALTELYGIANPQQQPMAELWMGAHPKSSSRITTANGETVSLRDAIE KNKTAMLGEAVANRFGELPFLFKVLCAAQPLSIQVHPNKRNSEIGFAKENAAGIPMDAAERNYKDPN HKPELVFALTPFLAMNAFREFSDIVSLLQPVAGAHSAIAHFLQVPNAERLSQLFASLLNMQGEEKSRAL AVLKAALNSQQGEPWQTIRVISEYYPDDSGLFSPLLLNVVKLNPGEAMFLFAETPHAYLQGVALEVM ANSDNVLRAGLTPKYIDIPELVANVKFEPKPAGELLTAPVKSGAELDFPIPVDDFAFSLHDLALQETSIG QHSAAILFCVEGEAVLRKDEQRLVLKPGESAFIGADESPVNASGTGRLARVYNKL 000000000000000000000000000000000000000000000000000011111000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train434 MLLEAPVYKEIFGAVTIHEVQKVIKMDTETEEVPIYTISNIPREKIYDLLGKMAVIVPMKNEKLHLVDGVL KAIPHKCPIIIVSNSKREGPNRYKLEVDLIRHFYNLTHSKIIMIHQKDPGLAKAFKEVGYTDILDENGMIRS GKGEGMLVGLLLAKAIGAEYVGFVDADNYIPGAVNEYVKDYAAGFLMSESEYTMVRLHWRHKPKVT KGTLYFKKWGRVSEITNHYLNLLVSEHTAFETTIMVTGNAGEHAMTMKLAEILPFSTGYSIEPYEIVYILE RFGKWENVEEFKDVFDQGIEIFQIETLNPHFHEDKGKEHVKEMLLLSLATIYHSKLATDNLRKRILKDLR DHGILGENEEPPKPLVMRPIKEIPIKEWMDIVEGNSETLLRFEL 000000000000000000000000000011111111000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000011111111111111111100000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000011111111100000000000000000 0000000000000000000

>DM\_train435 MSNPTKISILGRESIIADFGLWRNYVAKDLISDCSSTTYVLVTDTNIGSIYTPSFEEAFRKRAAEITPSPRLLI YNRPPGEVSKSRQTKADIEDWMLSQNPPCGRDTVVIALGGGVIGDLTGFVASTYMRGVRYVQVPTT LLAMVDSSIGGKTAIDTPLGKNLIGAIWQPTKIYIDLEFLETLPVREFINGMAEVIKTAAISSEEEFTALEEN AETILKAVRREVTPGEHRFEGTEEILKARILASARHKAYVVSADEREGGLRNLLNWGHSIGHAIEAILTPQ ILHGECVAIGMVKEAELARHLGILKGVAVSRIVKCLAAYGLPTSLKDARIRKLTAGKHCSVDQLMFNM ALDKKNDGPKKKIVLLSAIGTPYETRASVVANEDIRVVLAP 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000011111111111110000000000 000000000000000000

>DM\_train436 MAEGKMMSDFLPFSRPAMGAEELAAVKTVLDSGWITTGPKNQELEAAFCRLTGNQYAVAVSSATAG MHIALMALGIGEGDEVITPSMTWVSTLNMIVLLGANPVMVDVDRDTLMVTPEHIEAAITPQTKAIIPV HYAGAPADLDAIYALGERYGIPVIEDAAHATGTSYKGRHIGARGTAIFSFHAIKNITCAEGGIVVTDNP QFADKLRSLKFHGLGVDAWDRQSGGRAPQAEVLAPGYKYNLPDLNAAIALAQLQKLDALNARRAAI AAQYHQAMADLPFQPLSLPSWEHIHAWHLFIIRVDEARCGITRDALMASLKTKGIGTGLHFRAAHTQ KYYRERFPTLTLPDTEWNSERICSLPLFPDMTESDFDRVITALHQIAGQGSHHHHHH 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000011111 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000001111111111

>DM\_train437 GAKSEMAFAGKGEISPRAITMWDFSWLERRWPGAGYEDWDQVLDELSERGYNAIRIDAYPHLIAENP

MKKWLLKEVWNQQDWGSPDMNEVQVQPNLNLFLSKCKERDIKVGLSSWYRLDVDEVCLKLDTPEK LADCWLTILRSIEEDGLLDTILYVDLCNEWPGDSWAPFFAKTYPNVGWGNWYKEESLRWMKTSLEK MRQVYPDMPFLYSFDHGDVKKYEEVDCSFLDLYEHHIWMAQQNGGEFYKLVGYGYNRFLPDDYKN VVKNAERVYRERPGYWQKLLTDKIELMASVARKNRRPLVTTECWGLVDYKDWPLLKWDWVKDLCEL GTITAARTGMWVGVATSNFCGPQFAGMWRDVEWHKRLTSIIRSSPLDESLTKNNEVAAKLLKRL 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000

>DM\_train438 RIGIPRERLTNETRVAATPKTVEQLLKLGFTVAVESGAGQLASFDDKAFVQAGAEIVEGNSVWQSEIILK VNAPLDDEIALLNPGTTLVSFIWPAQNPELMQKLAERNVTVMAMDSVPRISRAQSLDALSSMANIAG YRAIVEAAHEFGRFFTGQITAAGKVPPAKVMVIGAGVAGLAAIGAANSLGAIVRAFDTRPEVKEQVQS MGAEFLELDFKEEAGSGDGYAKVMSDAFIKAEMELFAAQAKEVDIIVTTALIPGKPAPKLITREMVDSM KAGSVIVDLAAQNGGNCEYTVPGEIFTTENGVKVIGYTDLPGRLPTQSSQLYGTNLVNLLKLLCKEKD GNITVDFDDVVIRGVTVIRAGEITWPAPPIQVSAQPQAAQKAAPEVKTEEK 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000011111111111 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 011111111111111111

>DM\_train439 ASASTPHALLLISIDGLRADMLDRGITPNLSHLAREGVRARWMAPSYPSLTFPNHYTLVTGLRPDHHGI VHNSMRDPTLGGFWLSKSEAVGDARWWGGEPVWVGVENTGQHAATWSWPGSEAAIKGVRPSQ WRHYQKGVRLDTRVDAVRGWLATDGAQRNRLVTLYFEHVDEAGHDHGPESRQYADAVRAVDAAI GRLLAGMQRDGTRARTNIIVVSDHGMAEVAPGHAISVEDIAPPQIATAITDGQVIGFEPLPGQQAAA EASVLGAHDHYDCWRKAELPARWQYGSHPRIPSLVCQMHEGWDALFPDKLAKRAQRGTRGSHGY DPALPSMRAVFLAQGPDLAQGKTLPGFDNVDVYALMSRLLGIPAAPNDGNPATLLPALRMPPAPDA

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>DM\_train441 MTAASLDPTAFSLDAASLAARLDAVFDQALRERRLVGAVAIVARHGEILYRRAQGLADREAGRPMRE DTLFRLASVTKPIVALAVLRLVARGELALDAPVTRWLPEFRPRLADGSEPLVTIHHLLTHTSGLGYWLLE GAGSVYDRLGISDGIDLRDFDLDENLRRLASAPLSFAPGSGWQYSLALDVLGAVVERATGQPLAAAV DALVAQPLGMRDCGFVSAEPERFAVPYHDGQPEPVRMRDGIEVPLPEGHGAAVRFAPSRVFEPGAY PSGGAGMYGSADDVLRALEAIRANPGFLPETLADAARRDQAGVGAETRGPGWGFGYLSAVLDDPA

AAGTPQHAGTLQWGGVYGHSWFVDRALGLSVLLLTNTAYEGMSGPLTIALRDAVYAR 111111111111110000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000

>DM\_train442 MATALYTANDFILISLPQNAQPVTAPGSKTDSWFNETLIGGRAFVSDFKIPEFKIGSLDTLIVESEELSKV DNQIGASIGKIIEILQGLNETSTNAYRTLPINNMPVPEYLENFQWQTRKFKLDKSIKDLITLISNESSQLD ADVRATYANYNSAKTNLAAAERKKTGDLSVRSLHDIVKPEDFVLNSEHLTTVLVAVPKSLKSDFEKSYE TLSKNVVPASASVIAEDAEYVLFNVHLFKKNVQEFTTAAREKKFIPREFNYSEELIDQLKKEHDSAASLE QSLRVQLVRLAKTAYVDVFINWFHIKALRVYVESVLRYGLPPHFNIKIIAVPPKNLSKCKSELIDAFGFLG GNAFMKDKKGKINKQDTSLHQYASLVDTEYEPFVMYIINL 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000111111111111111111 11111100000000000

>DM\_train443 GAMGSMKPYLFDLKLKDTEKLDWKKGLSSYLKKSYGSSQWRTFYDEKATSELDHLRNNANGELAPSS LSEQNLKYYSFLEHLYFRLGSKGSRLKMDFTWYDAEYSSAQKGLKYTQHTLAFEKSCTLFNIAVIFTQIA RENINEDYKNSIANLTKAFSCFEYLSENFLNSPSVDLQSENTRFLANICHAEAQELFVLKLLNDQISSKQ YTLISKLSRATCNLFQKCHDFMKEIDDDVAIYGEPKWKTTVTCKLHFYKSLSAYYHGLHLEEENRVGEAI AFLDFSMQQLISSLPFKTWLVEFIDFDGFKETLEKKQKELIKDNDFIYHESVPAVVQVDSIKALDAIKSPT WEKILEPYMQDVANKYDSLYRGIIPLDVYEKESIYSEEKATLLR 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000111 11111111111111111

>DM\_train444 MNARSTGQHPARYPGAAAGEPTLDSWQEPPHNRWAFAHLGEMVPSAAVSRRPVNAPGHALARL GAIAAQLPDLEQRLEQTYTDAFLVLRGTEVVAEYYRAGFAPDDRHLLMAVSKSLCGTVVGALVDEGRI DPAQPVTEYVPELAGSVYDGPSVLQVLDMQISIDYNEDYVDPASEVQTHDRSAGWRTRRHGDPAD TYEFLTTLRGDGSTGEFQYCSANTDVLAWIVERVTGLRYVEALSTYLWAKLDADRDATITVDTTGFGF ANGGVSCTARDLARVGRMMLDGGVAPGGRVVSEDWVRRVLAGGSHEAMTDKGFTNTFPDGSYTR QWWCTGNERGNVSGIGIHGQNLWLDPLTDSVIVKLSSWPDPDTEHWHRLQNGILLDVSRALDAV 111100000000000000000000000000000000000000000000000011110000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train445 TSTATDSPLKYYDIGLNLTDPMFHGIYNGKQYHPADYVKLLERAAQRHVKNALVTGSSIAESQSAIELV SSVKDLSPLKLYHTIGVHPCCVNEFADASQGDKASASIDNPSMDEAYNESLYAKVISNPSFAQGKLKE LYDLMNQQAKPHDTSFRSIGEIGLDYDRFHYSSKEMQKVFFEEQLKISCLNDKLSSYPLFLHMRSACD DFVQILERFVVGFTDEKDTFQLQKLGASSSSGFYKFHPDRKLVVHSFTGSAIDLQKLLNLSPNIFIGVNG CSLRTEENLAVVKQIPTERLLLETDAPWCEIKRTHASFQYLAKYQEVRDFEYPAFKSVKKNKLADKLNA EELYMVKGRNEPCNMEQVAIVVSEVKDVDLATLIDTTWKTTCKIFGE 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000001111111111111111110000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000001100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000011

>DM\_train446 TSKNQFYKPGMLVPVFSAAGLLKNGRYQFLLQQIETLSLLPTEQYAQLYEALVYRFVEFVQVLPIRLDEP LCSLMNEGLLRGVNSLNHYIQNHPEATPLERYALFSAGLLLEVAHAVVNQKIFITDEEGNFIKQWNPFS GPLIDDVETKHYKIMPLSSYYQRNIPSITPILVRQLLPDEGFLWLTSDMRVFSDWMQALRDDEGEGGG RFEHVLQLFKHKNIDGLFNTLPALPVNLQDSPATAHADAFLNWLKEALATNQIKVNTSDAGVHVIPE GVFLEKTGIFKQYIDLHVNVPVNLFTVYQQFGNLFGLTKLSGIDYRFEQLFSEYPDALKRKSKMGFAGLI GIRRASPTREGVLIADPNLIFTRGEIPSATSYLKLSSAQKSQNIPMT 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000111110000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000011110000000000000011111100000000000000000000000001 0000111111111111

>DM\_train447 PEFFSVRHLELAGDDPYSNVNCTKILQGDPEEIQKVKLEILTVQFKKRPRWTPHDYINMTRDCASFIRT RKYIVEPLTKEEVGFPIAYSIVVHHKIEMLDRLLRAIYMPQNFYCIHVDRKAEESFLAAVQGIASCFDNVF VASQLESVVYASWTRVKADLNCMKDLYRMNANWKYLINLCGMDFPIKTNLEIVRKLKCSTGENNLET EKMPPNKEERWKKRYAVVDGKLTNTGIVKAPPPLKTPLFSGSAYFVVTREYVGYVLENENIQKLMEWA QDTYSPDEFLWATIQRIPEVPGSFPSSNKYDLSDMNAIARFVKWQYFEGDVSNGAPYPPCSGVHVRS VCVFGAGDLSWMLRQHHLFANKFDMDVDPFAIQCLDEHLRRKALENLEH 111111000001111111000000000000000000011111111110000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000001111

>DM\_train448 YEHSTVMPNVVGFPYKAHIERPGYSPLTLQMQVVETSLEPTLNLEYITCEYKTVVPSPYVKCCGASECS TKEKPDYQCKVYTGVYPFMWGGAYCFCDSENTQLSEAYVDRSDVCRHDHASAYKAHTASLKAKVR

VMYGNVNQTVDVYVNGDHAVTIGGTQFIFGPLSSAWTPFDNKIVVYKDEVFNQDFPPYGSGQPGR FGDIQSRTVESNDLYANTALKLARPSPGMVHVPYTQTPSGFKYWLKEKGTALNTKAPFGCQIKTNPV RAMNCAVGNIPVSMNLPDSAFTRIVEAPTIIDLTCTVATCTHSSDFGGVLTLTYKTNKNGDCSVHSHS NVATLQEATAKVKTAGKVTLHFSTASASPSFVVSLCSARATCSASCEPPKDHIVPY

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>DM\_train449 MIDYTAAGFTLLQGAHLYAPEDRGICDVLVANGKIIAVASNIPSDIVPNCTVVDLSGQILCPGFIDQHV HLIGGGGQAGPTTRTPEVALSRLTEAGVTSVVGLLGTDSISRHPESLLAKTRALNEEGISAWMLTGAYH VPSRTITGSVEKDVAIIDRVIGVKCAISDHRSAAPDVYHLANMAAESRVGGLLGGKPGVTVFHMGDSK KALQPIYDLLENCDVPISKLLPTHVNRNVPLFEQALEFARKGGTIDITSSIDEPVAPAEGIARAVQAGIPL ARVTLSSDGNGSQPFFDDEGNLTHIGVAGFETLLETVQVLVKDYDFSISDALRPLTSSVAGFLNLTGKG EILPGNDADLLVMTPELRIEQVYARGKLMVKDGKACVKGTFETA 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000011111111111 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000001

>DM\_train450 MKSKFKLTTAAAMLGLMVLAGGAQAQDKPREVLTGGHSVSAPQENRIYVMDSVFMHLTESRVHVY DYTNGKFLGMVPTAFNGHVQVSNDGKKIYTMTTYHERITRGKRSDVVEVWDADKLTFEKEISLPPKR VQGLNYDGLFRQTTDGKFIVLQNASPATSIGIVDVAKGDYVEDVTAAAGCWSVIPQPNRPRSFMTIC GDGGLLTINLGEDGKVASQSRSKQMFSVKDDPIFIAPALDKDKAHFVSYYGNVYSADFSGDEVKVDG PWSLLNDEDKAKNWVPGGYNLVGLHRASGRMYVFMHPDGKEGTHKFPAAEIWVMDTKTKQRVAR IPGRDALSMTIDQQRNLMLTLDGGNVNVYDISQPEPKLLRTIEGAAEASLQVQFHPVGGV 111111111111111111111111111100000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000111

>DM\_train451 MTESYDVVVVGGGPVGLATAWQVAERGHRVLVLERHTFFNENGGTSGAERHWRLQYTQEDLFRLT LETLPLWRALESRCERRLIHEIGSLWFGDTDVVTNEGQISGTAAMMDKLSVRYEWLKATDIERRFGFR GLPRDYEGFLQPDGGTIDVRGTLAALFTLAQAAGATLRAGETVTELVPDADGVSVTTDRGTYRAGKV VLACGPYTNDLLEPLGARLAYSVYEMAIAAYRQATPVTEAPFWFAFQQPTPQDTNLFYGFGHNPWA PGEFVRCGPDFEVDPLDHPSAATGVADRRQMDRLSGWLRDHLPTVDPDPVRTSTCLAVLPTDPERQ FFLGTARDLMTHGEKLVVYGAGWAFKFVPLFGRICADLAVEDSTAYDISRLAPQSAL 110000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train452 ASPRANDAPIVLLHGFTGWGREEMLGFKYWGGVRGDIEQWLNDNGYRTYTLAVGPLSSNWDRACE AYAQLVGGTVDYGAAHAAKHGHARFGRTYPGLLPELKRGGRVHIIAHSQGGQTARMLVSLLENGSQ EEREYAKEHNVSLSPLFEGGHRFVLSVTTIATPHDGTTLVNMVDFTDRFFDLQKAVLEAAAVASNAPY TSEIYDFKLDQWGLRREPGESFDHYFERLKRSPVWTSTDTARYDLSVPGAETLNRWVKASPNTYYLSF STERTYRGALTGNYYPELGMNAFSAIVCAPFLGSYRNAALGIDSHWLGNDGIVNTISMNGPKRGSND RIVPYDGTLKKGVWNDMGTYNVDHLEVIGVDPNPSFNIRAFYLRLAEQLASLRP 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000

>DM\_train453 MNLHEYQAKQLFARYGLPAPVGYACTTPREAEEAASKIGAGPWVVKCQVHAGGRGKAGGVKVVNS KEDIRAFAENWLGKRLVTYQTDANGQPVNQILVEAATDIAKELYLGAVVDRSSRRVVFMASTEGGVEI EKVAEETPHLIHKVALDPLTGPMPYQGRELAFKLGLEGKLVQQFTKIFMGLATIFLERDLALIEINPLVITK QGDLICLDGKLGADGNALFRQPDLREMRDQSQEDPREAQAAQWELNYVALDGNIGCMVNGAGL AMGTMDIVKLHGGEPANFLDVGGGATKERVTEAFKIILSDDKVKAVLVNIFGGIVRCDLIADGIIGAVA EVGVNVPVVVRLEGNNAELGAKKLADSGLNIIAAKGLTDAAQQVVAAVEGK 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000111

>DM\_train455 MEKTTEGAFYTREYRNLFKEFGYSEAEIQERVKDTWEQLFGDNPETKIYYEVGDDLGYLLDTGNLDVRT EGMSYGMMMAVQMDRKDIFDRIWNWTMKNMYMTEGVHAGYFAWSCQPDGTKNSWGPAPDG EEYFALALFFASHRWGDGDEQPFNYSEQARKLLHTCVHNGEGGPGHPMWNRDNKLIKFIPEVEFSD PSYHLPHFYELFSLWANEEDRVFWKEAAEASREYLKIACHPETGLAPEYAYYDGTPNDEKGYGHFFSD SYRVAANIGLDAEWFGGSEWSAEEINKIQAFFADKEPEDYRRYKIDGEPFEEKSLHPVGLIATNAMGSL ASVDGPYAKANVDLFWNTPVRTGNRRYYDNCLYLFAMLALSGNFKIWFPEGQEEEH 111110000000000000000000000000000000000000001100000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000001111111

>DM\_train456 MAGSATVEKRLDFGLLGPLQMTIDGTPVPSGTPKQRAVLAMLVINRNRPVGVDALITALWEEWPPSG ARASIHSYVSNLRKLLGGAGIDPRVVLAAAPPGYRLSIPDNTCDLGRFVAEKTAGVHAAAAGRFEQAS RHLSAALREWRGPVLDDLRDFQFVEPFATALVEDKVLAHTAKAEAEIACGRASAVIAELEALTFEHPYR EPLWTQLITAYYLSDRQSDALGAYRRVKTTLADDLGIDPGPTLRALNERILRQQPLDAKKSAKTTAAGT VTVLDQRTMASGQQAVAYLHDIASGRGYPLQAAATRIGRLHDNDIVLDSANVSRHHAVIVDTGTNY VINDLRSSNGVHVQHERIRSAVTLNDGDHIRICDHEFTFQISAGTHGGT 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000011111111

>DM\_train457 MGKNLQALAQLYKNALLNDVLPFWENHSLDSEGGYFTCLDRQGKVYDTDKFIWLQNRQVWTFSM LCNQLEKRENWLKIARNGAKFLAQHGRDDEGNWYFALTRGGEPLVQPYNIFSDCFAAMAFSQYALA SGEEWAKDVAMQAYNNVLRRKDNPKGKYTKTYPGTRPMKALAVPMILANLTLEMEWLLPQETLEN VLAATVQEVMGDFLDQEQGLMYENVAPDGSHIDCFEGRLINPGHGIEAMWFIMDIARRKNDSKTIN QAVDVVLNILNFAWDNEYGGLYYFMDAAGHPPQQLEWDQKLWWVHLESLVALAMGYRLTGRDA CWAWYQKMHDYSWQHFADPEYGEWFGYLNRRGEVLLNLKGGKWKGCFHVPRAMYLCWQQFEA

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>DM\_train458 NSIQIGGLFPRGADQEYSAFRVGMVQFSTSEFRLTPHIDNLEVANSFAVTNAFCSQFSRGVYAIFGFYD KKSVNTITSFCGTLHVSFITPSFPTDGTHPFVIQMRPDLKGALLSLIEYYQWDKFAYLYDSDRGLSTLQA VLDSAAEKKWQVTAINVGNINNDKKDEMYRSLFQDLELKKERRVILDCERDKVNDIVDQVITIGKHVK GYHYIIANLGFTDGDLLKIQFGGANVSGFQIVDYDDSLVSKFIERWSTLEEKEYPGAHTTTIKYTSALTYD AVQVMTEAFRNLRKQRIEISRRGNAGDCLANPAVPWGQGVEIERALKQVQVEGLSGNIKFDQNGKR INYTINIMELKTNGPRKIGYWSEVDKMVVTLTELPSGNDTSGLE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000111 111000000000000000000000000000000000000000000000000000000000000000000000001 1111111111111

>DM\_train459 QKTQSAPGTLSPDARNEKQPFYGEHQAGILTPQQAAMMLVAFDVLASDKADLERLFRLLTQRFAFLT QGGAAPETPNPRLPPLDSGILGGYIAPDNLTITLSVGHSLFDERFGLAPQMPKKLQKMTRFPNDSLDA ALCHGDVLLQICANTQDTVIHALRDIIKHTPDLLSVRWKREGFISDHAARSKGKETPINLLGFKDGTAN

PDSQNDKLMQKVVWVTADQQEPAWTIGGSYQAVRLIQFRVEFWDRTPLKEQQTIFGRDKQTGAPL GMQHEHDVPDYASDPEGKVIALDSHIRLANPRTAESESSLMLRRGYSYSLGVTNSGQLDMGLLFVCY QHDLEKGFLTVQKRLNGEALEEYVKPIGGGYFFALPGVKDANDYFGSALLRV

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>DM\_train460 MEQVVIVDAIRTPMGRSKGGAFRNVRAEDLSAHLMRSLLARNPSLTAATLDDIYWGCVQQTLEQGF NIARNAALLAEIPHSVPAVTVNRLCGSSMQALHDAARMIMTGDAQVCLVGGVEHMGHVPMSHGV DFHPGLSRNVAKAAGMMGLTAEMLSRLHGISREMQDQFAARSHARAWAATQSGAFKTEIIPTGGH DADGVLKQFNYDEVIRPETTVEALSTLRPAFDPVSGTVTAGTSSALSDGAAAMLVMSESRARELGLKP RARIRSMAVVGCDPSIMGYGPVPASKLALKKAGLSASDIDVFEMNEAFAAQILPCIKDLGLMEQIDEKI NLNGGAIALGHPLGCSGARISTTLINLMERKDAQFGLATMCIGLGQGIATVFERV 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000001111111000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000

>DM\_train461 MSKTIIKNIGKIVSGDIKSPVLQADTIVVEDGLIAAIGGEELMKDAGDATIIDAAGSTVTPGLLDTHVHVS GGDYAPRQKTMDFISSALHGGVTTMISAGSPHFPGRPKDAAGTKALAITLSKSYYNARPAGVKVHGG AVILEKGLTEEDFIEMKKEGVWIVGEVGLGTIKNPEDAAPMVEWAHKHGFKVQMHTGGTSIPGSSTVT ADDVIKTKPDVVSHINGGPTAISVQEVDRIMDETDFAMEIVQCGNPKIADYVARRAAEKGQLGRVIFG NDAPSGTGLIPLGILRNMCQIASMSDIDPEVAVCMATGNSTAVYGLNTGVIAPGKEADLIIMDTPLGS VAEDAMGAIAAGDIPGISVVLIDGEAVVTKSRNTPPAKRAAKIL 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000

>DM\_train462 MKKQNDIPQPIRGDKGATVKIPRNIERDRQNPDMLVPPETDHGTVSNMKFSFSDTHNRLEKGGYAR EVTVRELPISENLASVNMRLKPGAIRELHWHKEAEWAYMIYGSARVTIVDEKGRSFIDDVGEGDLWYF PSGLPHSIQALEEGAEFLLVFDDGSFSENSTFQLTDWLAHTPKEVIAANFGVTKEEISNLPGKEKYIFEN QLPGSLKDDIVEGPNGEVPYPFTYRLLEQEPIESEGGKVYIADSTNFKVSKTIASALVTVEPGAMRELHW HPNTHEWQYYISGKARMTVFASDGHARTFNYQAGDVGYVPFAMGHYVENIGDEPLVFLEIFKDDHY ADVSLNQWLAMLPETFVQAHLDLGKDFTDVLSKEKHPVVKKKCSK 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train466 MTPISQTPGLLAEAMVDLGAIEHNVRVLREHAGHAQLMAVVKADGYGHGATRVAQTALGAGAAEL GVATVDEALALRADGITAPVLAWLHPPGIDFGPALLADVQVAVSSLRQLDELLHAVRRTGRTATVTVK VDTGLNRNGVGPAQFPAMLTALRQAMAEDAVRLRGLMSHMVYADKPDDSINDVQAQRFTAFLA QAREQGVRFEVAHLSNSSATMARPDLTFDLVRPGIAVYGLSPVPALGDMGLVPAMTVKCAVALVKSI RAGEGVSYGHTWIAPRDTNLALLPIGYADGVFRSLGGRLEVLINGRRCPGVGRICMDQFMVDLGPGP LDVAEGDEAILFGPGIRGEPTAQDWADLVGTIHYEVVTSPRGRITRTYREAENR 111111111100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000001111111111111110000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000111

>DM\_train467 MKSKKILIVGAGFSGAVIGRQLAEKGHQVHIIDQRDHIGGNSYDARDSETNVMVHVYGPHIFHTDNE TVWNYVNKHAEMMPYVNRVKATVNGQVFSLPINLHTINQFFSKTCSPDEARALIAEKGDSTIADPQT FEEEALRFIGKELYEAFFKGYTIKQWGMQPSELPASILKRLPVRFNYDDNYFNHKFQGMPKCGYTQMI KSILNHENIKVDLQREFIVEERTHYDHVFYSGPLDAFYGYQYGRLGYRTLDFKKFTYQGDYQGCAVMN YCSVDVPYTRITEHKYFSPWEQHDGSVCYKEYSRACEENDIPYYPIRQMGEMALLEKYLSLAENETNIT FVGRLGTYRYLDMDVTIAEALKTAEVYLNSLTENQPMPVFTVSVR 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000

>DM\_train468 MELQEVLHMNGGEGDTSYAKNSSYNLFLIRVKPVLEQCIQELLRANLPNINKCFKVGDLGCASGPNTF STVRDIVQSIDKVGQEKKNELERPTIQIFLNDLFQNDFNSVFKLLPSFYRNLEKENGRKIGSCLIGAMPG SFYSRLFPEESMHFLHSCYCLHWLSQVPSGLVTELGISVNKGCIYSSKASRPPIQKAYLDQFTKDFTTFL RIHSEELISRGRMLLTFICKEDEFDHPNSMDLLEMSINDLVIEGHLEEEKLDSFNVPIYAPSTEEVKRIVEE EGSFEILYLETFNAPYDAGFSIDDDYQGRSHSPVSCDEHARAAHVASVVRSIYEPILASHFGEAILPDLS HRIAKNAAKVLRSGKGFYDSVIISLAKKPEKADM 110000000001111000000000000000000000000000000000000000000000000000000000000 000000111111111100000000000000000000000000000000000000000000000000000000000 000000000000000000111111000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 001111111110000000000000000000000000000000000000000000000000000000000000000 000011111

>DM\_train469

MRILFVAAGSPATVFALAPLATAARNAGHQVVMAANQDMGPVVTGVGLPAVATTDLPIRHFITTDR EGRPEAIPSDPVAQARFTGRWFARMAASSLPRMLDFSRAWRPDLIVGGTMSYVAPLLALHLGVPHA RQTWDAVDADGIHPGADAELRPELSELGLERLPAPDLFIDICPPSLRPANAAPARMMRHVATSRQCP LEPWMYTRDTRQRVLVTSGSRVAKESYDRNFDFLRGLAKDLVRWDVELIVAAPDTVAEALRAEVPQA RVGWTPLDVVAPTCDLLVHHAGGVSTLTGLSAGVPQLLIPKGSVLEAPARRVADYGAAIALLPGEDST

EAIADSCQELQAKDTYARRAQDLSREISGMPLPATVVTALEQLAHHHHHH 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000001111111 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000

>DM\_train470 APKRKAGVSKCETKCTKACPRPAPVPKLLIKGGMEVLDLVTGPDSVTEIEAFLNPRMGQPPTPESLTEG GQYYGWSRGINLATSDTEDSPGNNTLPTWSMAKLQLPMLNEDLTCDTLQMWEAVSVKTEVVGSGS LLDVHGFNKPTDTVNTKGISTPVEGSQYHVFAVGGEPLDLQGLVTDARTKYKEEGVVTIKTITKKDMV NKDQVLNPISKAKLDKDGMYPVEIWHPDPAKNENTRYFGNYTGGTTTPPVLQFTNTLTTVLLDENGV GPLCKGEGLYLSCVDIMGWRVTRNYDVHHWRGLPRYFKITLRKRWVKNPYPMASLISSLFNNMLPQ VQGQPMEGENTQVEEVRVYDGTEPVPGDPDMTRYVDRFGKTKTVFPGN 111111111111111100000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000001111111111111111111 11111111

>DM\_train471 NDVGAESKQPLLDIALKGLKRTLPQLEQMDGNSLRENFQEMASGNGPLRSLMTNLQNLNKIPEAKQ LNDYVTTLTNIQVGVARFSQWGTCGGEVERWVDKASTHELTQAVKKIHVIAKELKNVTAELEKIEAGA PMPQTMSGPTLGLARFAVSSIPINQQTQVKLSDGMPVPVNTLTFDGKPVALAGSYPKNTPDALEAH MKMLLEKECSCLVVLTSEDQMQAKQLPPYFRGSYTFGEVHTNSQKVSSASQGEAIDQYNMQLSCGE KRYTIPVLHVKNWPDHQPLPSTDQLEYLADRVKNSNQNGAPGRSSSDKHLPMIHCLGGVGRTGTM AAALVLKDNPHSNLEQVRADFRDSRNNRMLEDASQFVQLKAMQAQLLMTTAS 111111111100000000000000000000000001111111111100000000000001111100000000000 000000000000111110000000000000000000000000000000000000011111100000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00001111

>DM\_train472 AAASFGQTKIPRGNGPYSVGCTDLMFDHTNKGTFLRLYYPSQDNDRLDTLWIPNKEYFWGLSKFLGT HWLMGNILRLLFGSMTTPANWNSPLRPGEKYPLVVFSHGLGAFRTLYSAIGIDLASHGFIVAAVEHRD RSASATYYFKDQSAAEIGDKSWLYLRTLKQEEETHIRNEQVRQRAKECSQALSLILDIDHGKPVKNALD LKFDMEQLKDSIDREKIAVIGHSFGGATVIQTLSEDQRFRCGIALDAWMFPLGDEVYSRIPQPLFFINSE YFQYPANIIKMKKCYSPDKERKMITIRGSVHQNFADFTFATGKIIGHMLKLKGDIDSNVAIDLSNKASLA

FLQKHLGLHKDFDQWDCLIEGDDENLIPGTNINTTNQHI 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00001111

>DM\_train473 PQPPADEQPEPRTRRRAYLWCKEFLPGAWRGLREDEFHISVIRGGLSNMLFQCSLPDTTATLGDEPRK VLLRLYGAILQMRSCNKEGSEQAQKENEFQGAEAMVLESVMFAILAERSLGPKLYGIFPQGRLEQFIPS RRLDTEELSLPDISAEIAEKMATFHGMKMPFNKEPKWLFGTMEKYLKEVLRIKFTEESRIKKLHKLLSYNL PLELENLRSLLESTPSPVVFCHNDCQEGNILLLEGRENSEKQKLMLIDFEYSSYNYRGFDIGNHFCEWM YDYSYEKYPFFRANIRKYPTKKQQLHFISSYLPAFQNDFENLSTEEKSIIKEEMLLEVNRFALASHFLWGL WSIVQAKISSIEFGYMDYAQARFDAYFHQKRKLGV 111111111111100000000000001001111111111111111111000001111111111111110000011 111111111111111111111111111000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000

>DM\_train476 MKALHFGAGNIGRGFIGKLLADAGIQLTFADVNQVVLDALNARHSYQVHVVGETEQVDTVSGVNA VSSIGDDVVDLIAQVDLVTTAVGPVVLERIAPAIAKGLVKRKEQGNESPLNIIACENMVRGTTQLKGHV MNALPEDAKAWVEEHVGFVDSAVDRIVPPSASATNDPLEVTVETFSEWIVDKTQFKGALPNIPGMEL TDNLMAFVERKLFTLNTGHAITAYLGKLAGHQTIRDAILDEKIRAVVKGAMEESGAVLIKRYGFDADKH AAYIQKILGRFENPYLKDDVERVGRQPLRKLSAGDRLIKPLLGTLEYSLPHKNLIQGIAGAMHFRSEDDP QAQELAALIADKGPQAALAQISGLDANSEVVSEAVTAYKAMQ 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000011111000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000

>DM\_train477 EESRESPAEHGYYMPAEWDSHAQTWIGWPERQDNWRHNALPAQRVFAGVAKAISKFEPVTVCASP AQWENARKQLPEDIRVVEMSMNDSWFRDSGPTFIVRKRPVKLSSLNRNIAGIDWNFNAWGGAND GCYNDWSHDLLVSRKILALERIPRFQHSMILEGGSIHVDGEGTCLVTEECLLNKNRNPHMSKEQIEEEL KKYLGVQSFIWLPRGLYGDEDTNGHIDNMCCFARPGVVLLSWTDDETDPQYERSVEALSVLSNSIDA RGRKIQVIKLYIPEPLYMTEEESSGITQDGEAIPRLAGTRLAASYVNFYIANGGIIAPQFGDPIRDKEAIRV LSDTFPHHSVVGIENAREIVLAGGNIHCITQQQPAEPTSVAENGH 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000011111110000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train478 MKSFQLVATAASGLEAIVGKEVARLGYDPKVENGKVYFEGDLSAIARANLWLRVADRVKIVVGVFKAT TFDELFEKTKALPWEDYLPLDAQFPVAGKSVKSTLYSVPDCQAIVKKAIVNRVSEKYRRSGRLMETGAL FKLEVSILKDEVTLTIDTSGAGLHKRGYRLAQGSAPIKETMAAALVLLTSWHPDRPFYDPVCGSGTIPIE AALIGQNIAPGFNREFVSETWDWMPKQVWADARQEAEDLANYDQPLNIIGGDIDARLIEIAKQNAV EAGLGDLITFRQLQVADFQTEDEYGVVVANPPYGERLEDEEAVRQLYREMGIVYKRMPTWSVYVLTS YELFEEVYGKKATKKRKLYNGYLRTDLYQYWGPRKPRPKKED 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000001111000000000011 1111111

>DM\_train480 MQRLDALLPTLRERAQETEDLRRIPDDSMKALQETGFFRLLQPEQWGGYQADPVLFYSAVRKIASAC GSTGWVSSIIGVHNWHLALFSQQAQEDVWGNDTDVRISSSYAPMGAGQVVDGGYTVNGAWAWS SGCDHASWAVLGGPVIKDGRPVDFVSFLIPREDYRIDDVWNVVGLRGTGSNTVVVEDVFVPTHRVLS FKAMSNLTAPGLERNTAPVYKMPWGTIHPTTISAPIVGMAYGAYDAHVEHQGKRVRAAFAGEKAKD DPFAKVRIAEASSDIDAAWRQLSGNVADEYALLVAGEEVPFELRLRARRDQVRATGRAISSIDKLFESS GATALANGTPLQRFWRDAHAGRVHAANDPERAYVMYGTGEFGLPITDTMV 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000111111111100000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000

>DM\_train482 MDINGGGATLPQALYQTSGVLTAGFAQYIGVGSGNGKAAFLNNDYTKFQAGVTNKNVHWAGSDS KLSATELSTYASAKQPTWGKLIQVPSVGTSVAIPFNKSGSAAVNLSVQELCGVFSGRINTWDGISGSG RTGPIVVVYRSESSGTTELFTRFLNAKCNAETGNFAVTTTFGTSFSGGLPAGAVAATGSQGVMTALAA GDGRITYMSPDFAAPTLAGLDDATKVARVGKNVATNTQGVSPAAANVSAAIGAVPVPAAADRSNP DAWVPVFGPDNTAGVQPYPTSGYPILGFTNLIFSQCYADATQTTQVRDFFTKHYGASNNNDAAITA NAFVPLPTAWKATVRASFLTASNALSIGNTNVCNGIGRPLLEAAHHHHHH 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000111 111111

>DM\_train483 HHHHHHTDPALRAAQQTPLYEQHTLCGARMVDFHGWMMPLHYGSQIDEHHAVRTDAGMFDVS HMTIVDLRGSRTREFLRYLLANDVAKLTKSGKALYSGMLNASGGVIDDLIVYYFTEDFFRLVVNSATRE

KDLSWITQHAEPFGIEITVRDDLSMIAVQGPNAQAKAATLFNDAQRQAVEGMKPFFGVQAGDLFIAT TGYTGEAGYEIALPNEKAADFWRALVEAGVKPCGLGARDTLRLEAGMNLYGQEMDETISPLAANMG WTIAWEPADRDFIGREALEVQREHGTEKLVGLVMTEKGVLRNELPVRFTDAQGNQHEGIITSGTFSPT LGYSIALARVPEGIGETAIVQIRNREMPVKVTKPVFVRNGKAVAGLCGR 111111111111111000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000011

>DM\_train484 MSTAVQFRGGTTAQHATFTGAAREITVDTDKNTVVVHDGATAGGFPLARHDLVKTAFIKADKSAVA FTRTGNATASIKAGTIVEVNGKLVQFTADTAITMPALTAGTDYAIYVCDDGTVRADSNFSAPTGYTSTT ARKVGGFHYAPGSNAAAQAGGNTTAQINEYSLWDIKFRPAALDPRGMTLVAGAFWADIYLLGVNH LTDGTSKYNVTIADGSASPKKSTKFGGDGSAAYSDGAWYNFAEVMTHHGKRLPNYNEFQALAFGTT EATSSGGTDVPTTGVNGTGATSAWNIFTSKWGVVQASGCLWTWGNEFGGVNGASEYTANTGGRG SVYAQPAAALFGGAWNGTSLSGSRAALWYSGPSFSFAFFGARGVCDHLILE 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000001

>DM\_train488 MIQFSINRTLFIHALNTTKRAISTKNAIPILSSIKIEVTSTGVTLTGSNGQISIENTIPVSNENAGLLITSPGAI LLEASFFINIISSLPDISINVKEIEQHQVVLTSGKSEITLKGKDVDQYPRLQEVSTENPLILKTKLLKSIIAETA FAASLQESRPILTGVHIVLSNHKDFKAVATDSHRMSQRLITLDNTSADFMVVLPSKSLREFSAVFTDDIE TVEVFFSPSQILFRSEHISFYTRLLEGNYPDTDRLLMTEFETEVVFNTQSLRHAMERAFLISNATQNGTV KLEITQNHISAHVNSPEVGKVNEDLDIVSQSGSDLTISFNPTYLIESLKAIKSETVKIHFLSPVRPFTLTPGD EEESFIQLITPVRTN 100000000000000000000000000000000000000000000000000000000000111110000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 001

>DM\_train489 MELIEVQEGKAKILIPKAESIYDSPVFYNPRMALNRDIVVVLLNILNPKIVLDALSATGIRGIRFALETPAEE VWLNDISEDAYELMKRNVMLNFDGELRESKGRAILKGEKTIVINHDDANRLMAERHRYFHFIDLDPFG SPMEFLDTALRSAKRRGILGVTATDGAPLCGAHPRACLRKYLAVPLRGELCHEVGTRILVGVIARYAAK YDLGIDVILAYYKDHYFRAFVKLKDGARKGDETLEKLGYIYFDDKTGKFELEQGFLPTRPNAYGPVWLG PLKDEKIVSKMVKEAESLSLARKKQALKLLKMIDQELDIPLFYDTHAIGRRLKIETKKVEEIISALREQGYEA TRTHFSPTGIKTSAPYEVFIETIKRI 110000000000000011111111000000000000000000000000000000000000000000000000000

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>DM\_train491 GLKEHDFNPEEAEETKQVSWKLVTEYAMETKCDDVLLLLGMYLEFQYSFEMCLKCIKKEQPSHYKYHE KHYANAAIFADSKNQKTICQQAVDTVLAKKRVDSLQLTREQMLTNRFNDLLDRMDIMFGSTGSADIE EWMAGVAWLHCLLPKMDSVVYDFLKCMVYNIPKKRYWLFKGPIDSGKTTLAAALLELCGGKALNVN LPLDRLNFELGVAIDQFLVVFEDVKGTGGESRDLPSGQGINNLDNLRDYLDGSVKVNLEKKHLNKRTQ IFPPGIVTMNEYSVPKTLQARFVKQIDFRPKDYLKHCLERSEFLLEKRIIQSGIALLLMLIWYRPVAEFAQS IQSRIVEWKERLDKEFSLSVYQKMKFNVAMGIGVLD 111111111111111000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train492 GMKSAPDWIAHPDTPYLLIDEAKLKSNINYLKQRVESLGSHLRPHLKTLRTLEAAGYLLDSKSAPATVST LAEAEAYAKAGYTDLLYAVGIAPAKLKRVAALRQQGINLHILLDNITQAQAVVDYAAEFGQDFSVFIEI DSDDHRGGIKPSDSKLLTIAKTLGEHFTGLMTHAGGSYACNTEQGLKNFAKQECDAVRIARNNLETA GIHCAITSVGSTPTAHFGEDFSDISEVRAGVYTTFDLVMKNIGVCDFSHIAMSVVTTVIGHNKEKNWLL TDSGWMALSRDSGTAGQNRDFGYGQVCKIDGSVLDGLCVNSTSQEHGVIELSDAYQLEDFPVGHQ LRIMPNHACATAAMHPVYHVLMSDGSHNTWQRITGW 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train493 MREWKIIDSTLREGEQFEKANFSTQDKVEIAKALDEFGIEYIEVTTPVASPQSRKDAEVLASLGLKAKVV THIQCRLDAAKVAVETGVQGIDLLFGTSKYLRAPHGRDIPRIIEEAKEVIAYIREAAPHVEVRFSAEDTFR SEEQDLLAVYEAVAPYVDRVGLADTVGVATPRQVYALVREVRRVVGPRVDIEFHGHNDTGCAIANA YEAIEAGATHVDTTILGIGERNGITPLGGFLARMYTLQPEYVRRKYKLEMLPELDRMVARMVGVEIPFN NYITGETAFSHKAGMHLKAIYINPEAYEPYPPEVFGVKRKLIIASRLTGRHAIKARAEELGLHYGEEELHR VTQHIKALADRGQLTLEELDRILREWITA 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000001111110000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000001111111111111111111111000000000000000000000000000000000000000

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>DM\_train494 MTSQTPTRKPRARDLGLPFTGVTGPYNAITDVDGVGVGFQTIIENEPRPGRKRPARSGVTAILPHMQS ETPVPVYAGVHRFNGNGEMTGTHWIEDGGYFLGPVVITNTHGIGMAHHATVRWMVDRYASTYQT DDFLWIMPVVAETYDGALNDINGFPVTEADVRKALDNVASGPVQEGNCGGGTGMITYGFKGGTGT ASRVVEFGGRSFTIGALVQANHGQRDWLTIAGVPVGQHMRDGTPQSQLQERGSIIVVLATDLPLMP HQLKRLARRASIGIGRNGTPGGNNSGDIFIAFSTANQRPMQHRSAPFLDVEMVNDEPLDTVYLAAV DSVEEAVVNAMIAAEDMGGTPFDRLLVQAIDHERLRAVLRQYGRLA 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000001111000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train495 MSLTREAYHRLTPLPHPGGRLFIKPGARGYRDPVHDLLQKTVEPFGERALDLNPGVGWGSLPLEGRM AVERLETSRAAFRCLTASGLQARLALPWEAAAGAYDLVVLALPAGRGTAYVQASLVAAARALRMGG RLYLAGDKNKGFERYFKEARALLGYGVVVRREGPYRVALLEKEKEAPPLPSLWRAFSARILGAEYTFHHL PGVFSAGKVDPASLLLLEALQERLGPEGVRGRQVLDLGAGYGALTLPLARMGAEVVGVEDDLASVLS LQKGLEANALKAQALHSDVDEALTEEARFDIIVTNPPFHVGGAVILDVAQAFVNVAAARLRPGGVFFL VSNPFLKYEPLLEEKFGAFQTLKVAEYKVLFAEKRGR 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000011 >DM\_train497 MENFPTEYFLNTTVRLLEYIRYRDSNYTREERIENLHYAYNKAAHHFAQPRQQQLLKVDPKRLQASLQ TIVGMVVYSWAKVSKECMADLSIHYTYTLVLDDSKDDPYPTMVNYFDDLQAGREQAHPWWALVNE HFPNVLRHFGPFCSLNLIRSTLDFFEGCWIEQYNFGGFPGSHDYPQFLRRMNGLGHCVGASLWPKEQ FNERSLFLEITSAIAQMENWMVWVNDLMSFYKEFDDERDQISLVKNYVVSDEISLHEALEKLTQDTLH SSKQMVAVFSDKDPQVMDTIECFMHGYVTWHLCDRRYRLSEIYEKVKEEKTEDAQKFCKFYEQAAN VGAVSPSEWAYPPVAQLANVRSKDVKEVQKPFLSSIELVE

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>DM\_train498 MTWKNFGFEIFGEKYGQEELEKRIKDEHTPPPDSPVFGGLKLKLKKEKFKTLFTLGTTLKGFRRATHTVG TGGIGEITIVNDPKFPEHEFFTAGRTFPARLRHANLKYPDDAGADARSFSIKFADSDSDGPLDIVMNTG EANIFWNSPSLEDFVPVEEGDAAEEYVYKNPYYYYNLVEALRRAPDTFAHLYYYSQVTMPFKAKDGKV RYCRYRALPGDVDIKEEDESGRLTEEEQRKIWIFSRHENEKRPDDYLRKEYVERLQKGPVNYRLQIQIHE ASPDDTATIFHAGILWDKETHPWFDLAKVSIKTPLSPDVLEKTAFNIANQPASLGLLEAKSPEDYNSIGE LRVAVYTWVQHLRKLKIGSLVPAGQNA 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000111111 >DM\_train499 MGSDKIHHHHHHMTSSPTSTQESSTSWYLLLQQLIDGESLSRSQAAELMQGWLSEAVPPELSGAILT ALNFKGVSADELTGMAEVLQSQSKMGTGENYSQLPITNSPFSIIDTCGTGGDGSSTFNISTAVAFVAA AYGVPVAKHGNRSASSLTGSADVLEALGVNLGASPEKVQAALQEVGITFLFAPGWHPALKAVATLRR TLRIRTVFNLLGPLVNPLRPTGQVVGLFTPKLLTTVAQALDNLGKQKAIVLHGRERLDEAGLGDLTDLA VLSDGELQLTTINPQEVGVTPAPIGALRGGDVQENAEILKAVLQGKGTQAQQDAVALNAALALQVA GAVPLLDHAQGVSVAKEILQTGTAWAKLAQLVYFLGN 111111111111111111111111100000000000000000000000000000000000000000000000000 000000000000000001111111111110000000000000111000000000000000000000000000000 100000000000000000000000000000000000001110000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train500 MIVAFCLYKYFPFGGLQRDFMRIASTVAARGHHVRVYTQSWEGDCPKAFELIQVPVKSHTNHGRNA EYYAWVQNHLKEHPADRVVGFNKMPGLDVYFAADVCYAEKVAQEKGFLYRLTSRYRHYAAFERATF EQGKSTKLMMLTDKQIADFQKHYQTEPERFQILPPGIYPDRKYSEQIPNSREIYRQKNGIKEQQNLLLQ VGSDFGRKGVDRSIEALASLPESLRHNTLLFVVGQDKPRKFEALAEKLGVRSNVHFFSGRNDVSELMA AADLLLHPAYQEAAGIVLLEAITAGLPVLTTAVCGYAHYIADANCGTVIAEPFSQEQLNEVLRKALTQS PLRMAWAENARHYADTQDLYSLPEKAADIITGGLDG 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000000111 >DM\_train501 GHEIKDIREDTMHAEFNALRAQVAINDGNPDEAERLAKLALEELPPGWFYSRIVATSVLGEVLHCKGEL TRSLALMQQTEQMARQHDVWHYALWSLIQQSEILFAQGFLQTAWETQEKAFQLINEQHLEQLPMH

EFLVRIRAQLLWAWARLDEAEASARSGIEVLSSYQPQQQLQCLAMLIQCSLARGDLDNARSQLNRLE NLLGNGKYHSDWISNANKVRVIYWQMTGDKAAAANWLRHTAKPEFANNHFLQGQWRNIARAQIL LGEFEPAEIVLEELNENARSLRLMSDLNRNLLLLNQLYWQAGRKSDAQRVLLDALKLANRTGFISHFVI EGEAMAQQLRQLIQLNTLPELEQHRAQRILREINQHHGA

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>DM\_train502 MGSMDQSIAVKSPLTYAEALANTIMNTYTVEELPPANRWHYHQGVFLCGVLRLWEATGEKRYFEYA KAYADLLIDDNGNLLFRRDELDAIQAGLILFPLYEQTKDERYVKAAKRLRSLYGTLNRTSEGGFWHKDG YPYQMWLDGLYMGGPFALKYANLKQETELFDQVVLQESLMRKHTKDAKTGLFYHAWDEAKKMPW ANEETGCSPEFWARSIGWYVMSLADMIEELPKKHPNRHVWKNTLQDMIKSICRYQDKETGLWYQIV DKGDRSDNWLESSGSCLYMYAIAKGINKGYLDRAYETTLLKAYQGLIQHKTETSEDGAFLVKDICVGT SAGFYDYYVSRERSTNDLHGAGAFILAMTELEPLFRSAGK 111111111100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train503 MAAVTLHLRAETKPLEARAALTPTTVKKLIAKGFKIYVEDSPQSTFNINEYRQAGAIIVPAGSWKTAPRD RIIIGLKEMPETDTFPLVHEHIQFAHCYKDQAGWQNVLMRFIKGHGTLYDLEFLENDQGRRVAAFGFY AGFAGAALGVRDWAFKQTHSDDEDLPAVSPYPNEKALVKDVTKDYKEALATGARKPTVLIIGALGRC GSGAIDLLHKVGIPDANILKWDIKETSRGGPFDEIPQADIFINCIYLSKPIAPFTNMEKLNNPNRRLRTVV DVSADTTNPHNPIPIYTVATVFNKPTVLVPTTAGPKLSVISIDHLPSLLPREASEFFSHDLLPSLELLPQRK TAPVWVRAKKLFDRHCARVKRSSRL 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train504 MGNSYITKEDNQISATSEQTEDSACLSAMVLTTNLVYPAVLNAAIDLNLFEIIAKATPPGAFMSPSEIAS KLPASTQHSDLPNRLDRMLRLLASYSVLTSTTRTIEDGGAERVYGLSMVGKYLVPDESRGYLASFTTFL CYPALLQVWMNFKEAVVDEDIDLFKNVHGVTKYEFMGKDKKMNQIFNKSMVDVCATEMKRMLEIY TGFEGISTLVDVGGGSGRNLELIISKYPLIKGINFDLPQVIENAPPLSGIEHVGGDMFASVPQGDAMILK AVCHNWSDEKCIEFLSNCHKALSPNGKVIIVEFILPEEPNTSEESKLVSTLDNLMFITVGGRERTEKQYEK LSKLSGFSKFQVACRAFNSLGVMEFYK 111111111111111111000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000111111111111110000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train511 WDGKIDGTGTHAMIVTQGVSILENDLSKNEPESVRKNLEILKENMHELQLGSTYPDYDKNAYDLYQD HFWDPDIDNNFSKDNSWYLAYSIPDTGESQIRKFSALARYEWQRGNYKQATFYLGEAMHYFGDIDT PYHPANVTAVDSAGHVKFETFAEERKEQYKINTAGCKTNEAFYTDILKNKDFNAWSKEYARGFAKTG KSIYYSHASMSHSWDDWDYAAKVTLANSQKGTAGYIYRFLHDVSEGNDPSVGKNVKELVAYISTSGE KDAGTDDYMYFGIKTKDGKTQEWEMDNPGNDFMTGSKDTYTFKLKDENLKIDDIQNMWIRKRKYT AFPDAYKPENIKIIANGKVVVDKDINEWISGNSTYNIK 000000000000000000000000000000000000000000000000000000000000000000000000001 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train512 MSTDIDCIVIGAGVVGLAIARALAAGGHEVLVAEAAEGIGTGTSSRNSEVIHAGIYYPADSLKARLCVR GKHLLYEYCAARGVPHQRLGKLIVATSDAEASQLDSIARRAGANGVDDLQHIDGAAARRLEPALHCT AALVSPSTGIVDSHALMLAYQGDAESDGAQLVFHTPLIAGRVRPEGGFELDFGGAEPMTLSCRVLINA AGLHAPGLARRIEGIPRDSIPPEYLCKGSYFTLAGRAPFSRLIYPVPQHAGLGVHLTLDLGGQAKFGPDT EWIATEDYTLDPRRADVFYAAVRSYWPALPDGALAPGYTGIRPKISGPHEPAADFAIAGPASHGVAGL VNLYGIESPGLTASLAIAEETLARLAA 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000001 >DM\_train513 KERRRAVLELLQRPGNARCADCGAPDPDWASYTLGVFICLSCSGIHRNIPQVSKVKSVRLDAWEEAQ VEFMASHGNDAARARFESKVPSFYYRPTPSDCQLLREQWIRAKYERQEFIYPEKQEPYSAGYREGFLW KRGRDNGQFLSRKFVLTEREGALKYFNRNDAKEPKAVMKIEHLNATFQPAKIGHPHGLQVTYLKDNS TRNIFIYHEDGKEIVDWFNALRAARFHYLQVAFPGASDADLVPKLSRNYLKEGYMEKTGPKQTEGFRK RWFTMDDRRLMYFKDPLDAFARGEVFIGSKESGYTVLHGFPPSTQGHHWPHGITIVTPDRKFLFACET ESDQREWVAAFQKAVDRPMLPQEYAVEAHF 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000001111110000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000011111111111 >DM\_train514 GMRVDKHEVRVGELAAGQPLSLPVYRFKGKGAGPSVYIQANVHGAEVQGNAVIYQLMKLLEHYELL GDISLVPLANPLGINQKSGEFTLGRFDPITGVNWNREYLDHGFNIEVWYQEHSHLDDDTLITAFRATL

VEECARRLNNPWGVTTGHRLAVTLQSMAHRADIVLDLHTGPKSCKHLYCPEYERSAAQYFSIPYTLLI PNSFGGAMDEAAFVPWWTLAEVASSHGRELGVRVSALTLELGSQERIDLDDALEDAEGILAYLSHRG VIAETVLPKPMKRYGCFLKNYRKFHAPKAGMVEYLGKVGVPMKATDPLVNLLRLDLYGTGEELTVLRL PEDGVPILHFASASVHQGTELYKVMTKVFEL

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>DM\_train517 MPNPPAKEDTWAFGPIGSPFPDNPVKALGQQNMYVALWYKNGRPMHGRAWNNGGVIECSFPYN KSELTGVKDLGGQIQVLQYKGNHLSLGYWYNWIKYSDRFDKMDKGAEMLRCGDSFPILWSERPGGA LLGYADNKTEIARFSHDGKVDEVSGSALANMLIIARELKGGPPYCECEECKSEPPKPIVRVTLNEWADF RCGDPWPTVGTPVRALGRSLDTLPGENPDQYVALWYQSGEPVMGRIWNDGGKIAACFGWGGHEY RQKIGSIQILYELPEAIRGFDYDWKPFPEAAQFGAKEWIPVHVDHHKGNISPAVLIVDGKEILGKADIRN ERATIGYGGTEKVLVGPAVHSCMVLCRKAKPGCTID 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000001100000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000111100 00000000000000000000000000000000000000000000000000000000000000000000 >DM\_train518 ASHSRKFLDVRSEEELLSCIKKETEAGKLPPNVAAGMEELYQNYRNAVIESGNPKADEIVLSNMTVALD RILLDVEDPFVFSSHHKAIREPFDYYIFGQNYIRPLIDFGNSFVGNLSLFKDIEEKLQQGHNVVLISNHQT EADPAIISLLLEKTNPYIAENTIFVAGDRVLADPLCKPFSIGRNLICVYSKKHMFDIPELTETKRKANTRSLK EMALLLRGGSQLIWIAPSGGRDRPDPSTGEWYPAPFDASSVDNMRRLIQHSDVPGHLFPLALLCHDI MPPPSQVEIEIGEKRVIAFNGAGLSVAPEISFEEIAATHKNPEEVREAYSKALFDSVAMQYNVLKTAISG KQGLGASTADVSLSQPW 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000001111111111000000 0000000000000000000000000000000000000000000000000000000000000000000 >DM\_train520 MKMKLAVLPGDGIGPEVMDAAIRVLKTVLDNDGHEAVFENALIGGAAIDEAGTPLPEETLDICRRSDA ILLGAVGGPKWDHNPASLRPEKGLLGLRKEMGLFANLRPVKAYATLLNASPLKRERVENVDLVIVRELT GGLYFGRPSERRGPGENEVVDTLAYTREEIERIIEKAFQLAQIRRKKLASVDKANVLESSRMWREIAEET AKKYPDVELSHMLVDSTSMQLIANPGQFDVIVTENMFGDILSDEASVITGSLGMLPSASLRSDRFGMY EPVHGSAPDIAGQGKANPLGTVLSAALMLRYSFGLEKEAAAIEKAVDDVLQDGYCTGDLQVANGKV VSTIELTDRLIEKLNNSAARPRIFQ 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

000000000000000000000000000000000000000000000000000000001111111111 >DM\_train522 MGSSHHHHHHSSGLVSRRHMNIDMAALHAIEVDRGISVNELLETIKSALLTAYRHTQGHQTDARIEID RKTGVVRVIARETDEAGNLISEWDDTPEGFGRIAATTARQVMLQRFRDAENERTYGEFSTREGEIVAG VIQRDSRANARGLVVVRIGTETKASEGVIPAAEQVPGESYEHGNRLRCYVVGVTRGAREPLITLSRTHP NLVRKLFSLEVPEIADGSVEIVAVAREAGHRSKIAVRSNVAGLNAKGACIGPMGQRVRNVMSELSGEK IDIIDYDDDPARFVANALSPAKVVSVSVIDQTARAARVVVPDFQLSLAIGKEGQNARLAARLTGWRIDI RGDAPPPPPGQPEPGVSRGMAHDR 111111111111110000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000011111111000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000111111111111111111 >DM\_train523 MPYRNCWSKIMKKLINDVQDVLDEQLAGLAKAHPSLTLHQDPVYVTRADAPVAGKVALLSGGGSG HEPMHCGYIGQGMLSGACPGEIFTSPTPDKIFECAMQVDGGEGVLLIIKNYTGDILNFETATELLHDSG VKVTTVVIDDDVAVKDSLYTAGRRGVANTVLIEKLVGAAAERGDSLDACAELGRKLNNQGHSIGIALG ACTVPAAGKPSFTLADNEMEFGVGIHGEPGIDRRPFSSLDQTVDEMFDTLLVNGSYHRTLRFWDYQ QGSWQEEQQTKQPLQSGDRVIALVNNLGATPLSELYGVYNRLTTRCQQAGLTIERNLIGAYCTSLDM TGFSITLLKVDDETLALWDAPVHTPALNWGK 111111111111111111100000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000111111111110000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000 >DM\_train524 AVPATIPLTITNNSGRAEQIHIYNLGTELSSGRQGWADASGAFHPWPAGGNPPTPAPDASIPGPAPG RSTTIQIPKFSGRIYFSYGRKMEFRLTTGGLVQPAVQNPTDPNRDILFNWSEYTLNDSGLWINSTQVD MFSAPYTVGVRRGDGTTLSTGKLRPGGYNGVFNALRGQSGGWANLIQTRSDGTVLRALSPLYGVET GALPASVMDDYINRVWNKYTGTDLIVTPFADRPDVRYTGRVSGGVLRFTDGSGAVVTTFQKPDASS VFGCHRLLDAPNDQVRGPISRTLCAGFNRTTLLANPHQPDRSAAGFYQEPVTNHYARIIHAHMADG KAYGFAFDDVGHHESLVHDGDPRGASLTLDPFD 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000001110000000000000000000 000000000000000000000000000000000000000000000000000000000000000000 >DM\_train526 KKCKYSFKCVNSLKEDHNQPLFGVQFNWHSKEGDPLVFATVGSNRVTLYECHSQGEIRLLQSYVDAD ADENFYTCAWTYDSNTSHPLLAVAGSRGIIRIINPITMQCIKHYVGHGNAINELKFHPRDPNLLLSVSK DHALRLWNIQTDTLVAIFGGVEGHRDEVLSADYDLLGEKIMSCGMDHSLKLWRINSKRMMNAIKESY DYNPNKTNRPFISQKIHFPDFSTRDIHRNYVDCVRWLGDLILSKSCENAIVCWKPGKMEDDIDKIKPSE SNVTILGRFDYSQCDIWYMRFSMDFWQKMLALGNQVGKLYVWDLEVEDPHKAKCTTLTHHKCGA AIRQTSFSRDSSILIAVCDDASIWRWDRLR

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>DM\_train528 ESDSEMVPFPQLPMPIENNYRACTIPYRFPSDDPKKATPNEISWINVFANSIPSFKKRAESDITVPDAPA RAEKFAERYAGILEDLKKDPESHGGPPDGILLCRLREQVLRELGFRDIFKKVKDEENAKAISLFPQVVSLS DAIEDDGKRLENLVRGIFAGNIFDLGSAQLAEVFSRDGMSFLASCQNLVPRPWVIDDLENFQAKWIN KSWKKAVIFVDNSGADIILGILPFARELLRRGAQVVLAANELPSINDITCTELTEILSQLKDENGQLLGVD TSKLLIANSGNDLPVIDLSRVSQELAYLSSDADLVIVEGMGRGIETNLYAQFKCDSLKIGMVKHLEVAEF LGGRLYDCVFKFNEVQS 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000001111111111111110000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000001100000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000011 >DM\_train529 MKPHALIGLLAGMLLSSSLYAADSTKPLPLHIGGRVLVESPANQPVSYTYSWPAVYFETAFKGQSLTLK FDDDQNIFRLIVDDKAPVVINKPGKVDYPVESLAPGKHRVRLEKLTETQSTSGRFLGFYTDPSAKPLALP KRKRQIEFIGDSFTVGYGNTSPSRECTDEELFKTTNSQMAFGPLTAKAFDADYQINASSGFGIVRNYNG TSPDKSLLSLYPYTLNNPDQLYHNKHWKPQVIVIGLGTNDFSTALNDNERWKTREALHADYVANYVK FVKQLHSNNARAQFILMNSDQSNGEIAEQVGKVVAQLKGGGLHQVEQIVFKGLDYSGCHWHPSAN DDQLLANLLITHLQQKKGIWLEHHHH 111111111111111111111111110000000000000001100000000000000000010000000000000 000000110000000000000001111111110000000000000000000011111111100000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000011111 >DM\_train530 MVVEGVKTDFGPPYFRDLLHPVIAKNYGKWKYHEVVKPGVIKRVAESGDVIYVVRFGTPRLLSIYTVRE LCDIADKYSDGYLRWTSRNNVEFFVTDESKIDDLINEVQERVGFPCGGTWDAVKGEYGLSNIVHTQG WIHCHTPAIDASGIVKAVMDELYEYFTDHKLPAMCRISLACCANMCGAVHASDIAIVGIHRTPPIPND EAIRKTCEIPSTVAACPTGALKPDMKNKTIKVDVEKCMYCGNCYTMCPGMPLFDPENDGAAIMVGG KLSEARRMPELSKVVVPWVPNEPPRWPTLVKYVKQILEAWAANANKHERLIEWVDRIGWERFFELTG LEFTQHLIDDYRITPYFYSEFRASTQFKW 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000 >DM\_train533 NVIDLFSGVGGLSLGAARAGFDVKMAVEIDQHAINTHAINFPRSLHVQEDVSLLNAEIIKGFFKNDMPI DGIIGGPPCQGFSSIGKGNPDDSRNQLYMHFYRLVSELQPLFFLAENVPGIMQEKYSGIRNKAFNLVS

GDYDILDPIKVKASDYGAPTIRTRYFFIGVKKSLKLDISDEVFMPKMIDPVTVKDALYGLPDIIDANWQS DSESWRTIKKDRKGGFYEKLWGQIPRNVGDTESIAKLKNNIISGCTGTLHSKIVQERYASLSFGETDKISR STRLDPNGFCPTLRAGTARDKGSFQAVRPIHPYHPRVITPREAARLQGFPDWFRFHVTKWHSFRQIG NSVSPIVAEYILKGLYNLLN 000000000000000000000000000000000000000000000000000000000000000000000000000 000000011111110000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000111111111 11110000000000000000000000000000000000000000000000000000000000000 >DM\_train534 MTSRVDPANPGSELDSAIRDTLTYSNSPVPNALLTASESGFLDAAGIELDVLSGQQGTVHFTYDQPAY TRFGGEIPPLLSEGLRAPGRTRLLGITPLLGRQGFFVRDDSPITAAADLAGRRIGVSASAIRILRGQLGDY LELDPWRQTLVALGSWEARALLHTLEHGELGVDDVELVPISSPGVDVPAEQLEESATVKGADLFPDVA RGQAAVLASGDVDALYSWLPWAGELQATGARPVVDLGLDERNAYASVWTVSSGLVRQRPGLVQR LVDAAVDAGLWARDHSDAVTSLHAANLGVSTGAVGQGFGADFQQRLVPRLDHDALALLERTQQF LLTNNLLQEPVALDQWAAPEFLNNSLNRHR 111111111111111111100000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000011 >DM\_train536 MMSGQGKRLMVMAGGTGGHVFPGLAVAHHLMAQGWQVRWLGTADRMEADLVPKHGIEIDFIRI SGLRGKGIKALIAAPLRIFNAWRQARAIMKAYKPDVVLGMGGYVSGPGGLAAWSLGIPVVLHEQNGI AGLTNKWLAKIATKVMQAFPGAFPNAEVVGNPVRTDVLALPLPQQRLAGREGPVRVLVVGGSQGA RILNQTMPQVAAKLGDSVTIWHQSGKGSQQSVEQAYAEAGQPQHKVTEFIDDMAAAYAWADVVV CRSGALTVSEIAAAGLPALFVPFQHKDRQQYWNALPLEKAGAAKIIEQPQLSVDAVANTLAGWSRET LLTMAERARAASIPDATERVANEVSRVARALEHHHHHH 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000011111111 >DM\_train537 MGFKCGIVGLPNVGKSTLFNALTKAGIEAANYPFCTIEPNTGVVPMPDPRLDALAEIVKPERILPTTMEF VDIAGLVAGASKGEGLGNKFLANIRETDAIGHVVRCFENDDIVHVAGKIDPLDDIDTINTELALADLDS CERAIQRLQKRAKGGDKEAKFELSVMEKILPVLENAGMIRSVGLDKEELQAIKSYNFLTLKPTMYIANV NEDGFENNPYLDRVREIAAKEGAVVVPVCAAIESEIAELDDEEKVEFLQDLGIEEPGLNRVIRAGYALLN LQTYFTAGVKEVRAWTVSVGATAPKAAAVIHTDFEKGFIRAEVIAYEDFIQFNGENGAKEAGKWRLEG KDYIVQDGDVMHFRFNV 000000000000000000000000011111111111111100000000000000000000000000000000000 000000000000000000000000000000000111111111111100000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train538 ASTLKSGSKEVENLKKPFMPPREVHVQVTHSMPPQKIEIFKSLDNWAEENILVHLKPVEKCWQPQDFL PDPASDGFDEQVRELRERAKEIPDDYFVVLVGDMITEEALPTYQTMLNTLDGVRDETGASPTSWAIW TRAWTAEENRHGDLLNKYLYLSGRVDMRQIEKTIQYLIGSGMDPRTENSPYLGFIYTSFQERATFISHG NTARQAKEHGDIKLAQICGTIAADEKRHETAYTKIVEKLFEIDPDGTVLAFADMMRKKISMPAHLMYD GRDDNLFDHFSAVAQRLGVYTAKDYADILEFLVGRWKVDKLTGLSAEGQKAQDYVCRLPPRIRRLEE RAQGRAKEAPTMPFSWIFDRQVKL 111111111111111110000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000011111111000000000000000000

>DM\_train539 MFQPLLDAYVESASIEKMASKSPPPLKIAVANWWGDEEIKEFKNSVLYFILSQRYTITLHQNPNEFSDL VFGNPLGSARKILSYQNAKRVFYTGENESPNFNLFDYAIGFDELDFNDRYLRMPLYYDRLHHKAESVN DTTAPYKLKDNSLYALKKPSHCFKEKHPNLCAVVNDESDPLKRGFASFVASNPNAPIRNAFYDALNSI EPVTGGGSVRNTLGYNVKNKNEFLSQYKFNLCFENTQGYGYVTEKIIDAYFSHTIPIYWGSPSVAKDFN PKSFVNVHDFKNFDEAIDYIKYLHTHKNAYLDMLYENPLNTLDGKAYFYQNLSFKKILAFFKTILENDTI YHDNPFIFCRDLNEPLVTI 000000000000000000000000000000000000000000000000000000000000000000000000001 111111111000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000111111111111111

>DM\_train540 MHSFASLLAYGLVAGATFASASPIEARDSCTFTTAAAAKAGKAKCSTITLNNIEVPAGTTLDLTGLTSGT KVIFEGTTTFQYEEWAGPLISMSGEHITVTGASGHLINCDGARWWDGKGTSGKKKPKFFYAHGLDSSS ITGLNIKNTPLMAFSVQANDITFTDVTINNADGDTQGGHNTDAFDVGNSVGVNIIKPWVHNQDDC LAVNSGENIWFTGGTCIGGHGLSIGSVGDRSNNVVKNVTIEHSTVSNSENAVRIKTISGATGSVSEITYS NIVMSGISDYGVVIQQDYEDGKPTGKPTNGVTIQDVKLESVTGSVDSGATEIYLLCGSGSCSDWTWD DVKVTGGKKSTACKNFPSVASC 111111111111111111111111111000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000

>DM\_train541 SVNNSQLVVSVAGTVEGTNQDISLKFFEIDLTSRPAHGGKTEQGLSPKSKPFATDSGAMPHKLEKADL LKAIQEQLIANVHSNDDYFEVIDFASDATITDRNGKVYFADKDGSVTLPTQPVQEFLLSGHVRVRPYKE KPIQNQAKSVDVEYTVQFTPLNPDDDFRPGLKDTKLLKTLAIGDTITSQELLAQAQSILNKTHPGYTIYE RDSSIVTHDNDIFRTILPMDQEFTYHVKNREQAYEINKKSGLNEEINNTDLISEKYYVLKKGEKPYDPFD RSHLKLFTIKYVDVNTNELLKSEQLLTASERNLDFRDLYDPRDKAKLLYNNLDAFGIMDYTLTGKVEDN HDDTNRIITVYMGKRP

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>DM\_train542 ALTVSAGTKSKLAKPIQDLIKMIFDVESMKKAMVEFEIDLQKMPLGKLSKRQIQSAYSILNEVQQAVSD GGSESQILDLSNRFYTLIPHDFGMKKPPLLSNLEYIQAKVQMLDNLLDIEVAYSLLRGGNEDGDKDPIDI NYEKLRTDIKVVDKDSEEAKIIKQYVKNTHAATHNAYDLKVVEIFRIEREGESQRYKPFKQLHNRQLLW HGSRTTNFAGILSQGLRIAPPEAPVTGYMFGKGIYFADMVSKSANYCHTSQADPIGLILLGEVALGNM YELKNASHITKLPKGKHSVKGLGKTAPDPTATTTLDGVEVPLGNGISTGINDTCLLYNEYIVYDVAQVN LKYLLKLKFNYKTSLW 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000011111

>DM\_train544 VKQVFNFNAGPSALPKPALERAQKELLNFNDTQMSVMELSHRSQSYEEVHEQAQNLLRELLQIPND YQILFLQGGASLQFTMLPMNLLTKGTIGNYVLTGSWSEKALKEAKLLGETHIAASTKANSYQSIPDFSEF QLNENDAYLHITSNNTIYGTQYQNFPEINHAPLIADMSSDILSRPLKVNQFGMIYAGAQKNLGPSGVT VVIVKKDLLNTKVEQVPTMLQYATHIKSDSLYNTPPTFSIYMLRNVLDWIKDLGGAEAIAKQNEEKAKII YDTIDESNGFYVGHAEKGSRSLMNVTFNLRNEELNQQFLAKAKEQGFVGLNGHRSVGGCRASIYNA VPIDACIALRELMIQFKENA 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000111000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000

>DM\_train545 PPFPWFGMDIGGTLVKLVYFEPKDITAEEEQEEVENLKSIRKYLTSNTAYGKTGIRDVHLELKNLTMCGR KGNLHFIRFPSCAMHRFIQMGSEKNFSSLHTTLCATGGGAFKFEEDFRMIADLQLHKLDELDCLIQGLL YVDSVGFNGKPECYYFENPTNPELCQKKPYCLDNPYPMLLVNMGSGVSILAVYSKDNYKRVTGTSLG GGTFLGLCCLLTGCETFEEALEMAAKGDSTNVDKLVKDIYGGDYERFGLQGSAVASSFGNMMSKEKR DSISKEDLARATLVTITNNIGSIARMCALNENIDRVVFVGNFLRINMVSMKLLAYAMDFWSKGQLKAL FLEHEGYFGAVGALLELFK 110000000000000000000000111111111111000000000000000000000000000000011000000 000000000000000011111111111100000000000000111111100000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000

>DM\_train546 SCDLNATNYIRGCQSKTYDGKIFPGKGGEKQWICKDTIIHGDTNGACIPPRTQNLCVGELWDKSYGG RSNIKNDTKELLKEKIKNAIHKETELLYEYHDTGTAIISKNDKKGQKGKNDPNGLPKGFCHAVQRSFIDY

KNMILGTSVNIYEHIGKLQEDIKKIIEKGTPQQKDKIGGVGSSTENVNAWWKGIEREMWDAVRCAITKI NKKNNNSIFNGDECGVSPPTGNDEDQSVSWFKEWGEQFCIERLRYEQNIREACTINGKNEKKCINSK SGQGDKIQGACKRKCEKYKKYISEKKQEWDKQKTKYENKYVGKSASDLLKENYPECISANFDFIFNDNI EYKTYYPYGDYSSICSCE

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>DM\_train547 MRGSHHHHHHGSLVPRGSMVAADAPAAGTDITNQLTNVTVGIDSGTTVYPHQAGYVKLNYGFSVP NSAVKGDTFKITVPKELNLNGVTSTAKVPPIMAGDQVLANGVIDSDGNVIYTFTDYVNTKDDVKATLT MPAYIDPENVKKTGNVTLATGIGSTTANKTVLVDYEKYGKFYNLSIKGTIDQIDKTNNTYRQTIYVNPS GDNVIAPVLTGNLKPNTDSNALIDQQNTSIKVYKVDNAADLSESYFVNPENFEDVTNSVNITFPNPN QYKVEFNTPDDQITTPYIVVVNGHIDPNSKGDLALRSTLYGYNSNIIWRSMSWDNEVAFNNGSGSG DGIDKPVVPEQPDEPGEIEPIPEK 111111111111111111111111111000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000

>DM\_train548 MIESKTYAVLGLGNGGHAFAAYLALKGQSVLAWDIDAQRIKEIQDRGAIIAEGPGLAGTAHPDLLTSDI GLAVKDADVILIVVPAIHHASIAANIASYISEGQLIILNPGATGGALEFRKILRENGAPEVTIGETSSMLFT CRSERPGQVTVNAIKGAMDFACLPAAKAGWALEQIGSVLPQYVAVENVLHTSLTNVNAVMHPLPTL LNAARCESGTPFQYYLEGITPSVGSLAEKVDAERIAIAKAFDLNVPSVCEWYKESYGQSPATIYEAVQG NPAYRGIAGPINLNTRYFFEDVSTGLVPLSELGRAVNVPTPLIDAVLDLISSLIDTDFRKEGRTLEKLGLSG LTAAGIRSAVE 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000011111110000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000

>DM\_train549 MGDVRLSALSTLNYRNLAPGTLNFPEGVTGIYGENGAGKTNLLEAAYLALTGQTDAPRIEQLIQAGET EAYVRADLQQGGSLSIQEVGLGRGRRQLKVDGVRARTGDLPRGGAVWIRPEDSELVFGPPSGRRAYL DSLLSRLSARYGEQLSRYERTVSQRNAALRGGEEWAMHVWDDVLLKLGTEIMLFRRRALTRLDELARE ANAQLGSRKTLALTLTESTSPETYAADLRGRRAEELARGSTVTGPHRDDLLLTLGDFPASDYASRGEGR TVALALRRAELELLREKFGEDPVLLLDDFTAELDPHRRQYLLDLAASVPQAIVTGTELAPGAALTLRAQ AGRFTPVADEEMQAEGTA 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train550 PGDVVIEELFNRIPQANVRTTSEYMQSAADSLVSTSLWNTGQPFRVESELGERPRTLVRGTVLGQEDP YAYLEATDQETGESFEVHVPYFTERPPSNAIKQMKEEVLRLRLLRGIKNQKQAKVHLRFIFPFDLVKDP QKKKMIRVRLDERDMWVLSRFFLYPRMQSNLQTFGEVLLSHSSTHKSLVHHARLQLTLQVIRLLASLH HYGLVHTYLRPVDIVLDQRGGVFLTGFEHLVRDGARVVSSVSRGFEPPELEARRATISYHRDRRTLMTF SFDAWALGLVIYWIWCADLPITKDAALGGSEWIFRSCKNIPQPVRALLEGFLRYPKEDRLLPLQAMETP EYEQLRTELSAALPLY 000000000000000000000001000000000000000100000000000000000000000000000000000 010000000000000001000000000000000000000000000000000000000000000000000011111 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000011111 10000000000000000000000000000000000000000000000000000000000

>DM\_train551 MKIAILGAGCYRTHAAAGITNFMRACEVAKEVGKPEIALTHSSITYGAELLHLVPDVKEVIVSDPCFAEE PGLVVIDEFDPKEVMEAHLSGNPESIMPKIREVVKAKAKELPKPPKACIHLVHPEDVGLKVTSDDREAV EGADIVITWLPKGNKQPDIIKKFADAIPEGAIVTHACTIPTTKFAKIFKDLGREDLNITSYHPGCVPEMKG QVYIAEGYASEEAVNKLYEIGKIARGKAFKMPANLIGPVCDMCSAVTATVYAGLLAYRDAVTKILGAPA DFAQMMADEALTQIHNLMKEKGIANMEEALDPAALLGTADSMCFGPLAEILPTALKVLEKHKVVEEE GKTKCEIMSQKE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000011111111111111

>DM\_train552 MAVKEATSETKKRSGYEIITLTSWLLQQEQKGIIDAELTIVLSSISMACKQIASLVQRANISNLTGTQGAV NIQGEDQKKLDVISNEVFSNCLRSSGRTGIIASEEEDVPVAVEESYSGNYIVVFDPLDGSSNLDAAVST GSIFGIYSPNDESLPDFGDDSDDNTLGTEEQRCIVNVCQPGSNLLAAGYCMYSSSVIFVLTIGKGVFVF TLDPLYGEFVLTQENLQIPKSGKIYSFNEGNYKLWDENLKKYIDDLKEPGPSGKPYSARYIGSLVGDFHR TLLYGGIYGYPRDKKSKNGKLRLLYECAPMSFIVEQAGGKGSDGHQRVLDIQPTEIHQRVPLYIGSTEE VEKVEKYLA 111111111111111110000000000000000000000000000000000000000000000001111111111 000000000000000000000000000000000000000000000000000000000000000000000000000 111111111111100000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000

>DM\_train553 MSAFEKPQIIAHIQKGFNYTVFDCKWVPCSAKFVTMGNFARGTGVIQLYEIQHGDLKLLREIEKAKPIK CGTFGATSLQQRYLATGDFGGNLHIWNLEAPEMPVYSVKGHKEIINAIDGIGGLGIGEGAPEIVTGSRD GTVKVWDPRQKDDPVANMEPVQGENKRDCWTVAFGNAYNQEERVVCAGYDNGDIKLFDLRNMA LRWETNIKNGVCSLEFDRKDISMNKLVATSLEGKFHVFDMRTQHPTKGFASVSEKAHKSTVWQVRHL PQNRELFLTAGGAGGLHLWKYEYPIQRSKKDSEGIEMGVAGSVSLLQNVTLSTQPISSLDWSPDKRGL CVCSSFDQTVRVLIVTKLNKI

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>DM\_train554 GMNRLRTSFQQTTGQISGHGKRNVGVLKTAFAAVADEMASDQYGTGAIIEPFEQKFADVLGMDDA VFFPSGTMAQQVALRIWSDETDNRTVAYHPLCHLEIHEQDGLKELHPIETILVGAADRLMTLDEIKALP DIACLLLELPQREIGGVAPAFSELETISRYCRERGIRLHLDGARLFEMLPYYEKTAAEIAGLFDSIYISFYKG LGGIAGAILAGPAAFCQTARIWKRRYGGDLISLYPYIVSADYYYELRKDRMGQYYEQAKQLAEQFNAL PGVHTTPEVPVSNMFHLHFDGQAADISPKLEQVQEETGLGFVGYLVDKDGYCSTEISVGDAYGELDQ QTRDAGFARLRQAFS 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000001

>DM\_train555 MLHILCQGTPFEIGYEHGSAAKAVIARSIDFAVDLIRGKTKKTDEELKQVLSQLGRVIEERWPKYYEEIRG IAKGAERDVSEIVMLNTRTEFAYGLKAARDGCTTAYCQLPNGALQGQNWDFFSATKENLIRLTIRQA GLPTIKFITEAGIIGKVGFNSAGVAVNYNALHLQGLRPTGVPSHIALRIALESTSPSQAYDRIVEQGGMA ASAFIMVGNGHEAFGLEFSPTSIRKQVLDANGRMVHTNHCLLQHGKNEKELDPLPDSWNRHQRME FLLDGFDGTKQAFAQLWADEDNYPFSICRAYEEGKSRGATLFNIIYDHARREATVRLGRPTNPDEMFV MRFDEEDERSALNARL 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000011111000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000001

>DM\_train558 MQTLHALLRDIPAPDAEAMARTQQHIDGLLKPPGSLGRLETLAVQLAGMPGLNGTPQVGEKAVLVM CADHGVWDEGVAVSPKIVTAIQAANMTRGTTGVCVLAAQAGAKVHVIDVGIDAEPIPGVVNMRVA RGCGNIAVGPAMSRLQAEALLLEVSRYTCDLAQRGVTLFGVGELGMANTTPAAAMVSVFTGSDAKE VVGIGANLPPSRIDNKVDVVRRAIAINQPNPRDGIDVLSKVGGFDLVGMTGVMLGAARCGLPVLLDG FLSYSAALAACQIAPAVRPYLIPSHFSAEKGARIALAHLSMEPYLHMAMRLGEGSGAALAMPIVEAAC AMFHNMGELAASNIVLPEGNANAT 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000001111111111111

>DM\_train559 EIKTTTTLHRVVEETTKPLGATLVVETDISRKDVNGLARGHLVDGIPLCTPSFYADIAMQVGQYSMQRL RAGHPGAGAIDGLVDVSDMVVDKALVPHGKGPQLLRTTLTMEWPPKAAATTRSAKVKFATYFADGK

LDTEHASCTVRFTSDAQLKSLRRSVSEYKTHIRQLHDGHAKGQFMRYNRKTGYKLMSSMARFNPDY MLLDYLVLNEAENEAASGVDFSLGSSEGTFAAHPAHVDAITQVAGFAMNANDNVDIEKQVYVNHG WDSFQIYQPLDNSKSYQVYTKMGQAKENDLVHGDVVVLDGEQIVAFFRGLTLRSVPRGALRVVLQT TVKKADRQLGFKTMPSPPPPTTTM

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>DM\_train560 MKLTLKNLSMAIMMSTIVMGSSAMAADSNEKIVIAHRGASGYLPEHTLPAKAMAYAQGADYLEQDL VMTKDDNLVVLHDHYLDRVTDVADRFPDRARKDGRYYAIDFTLDEIKSLKFTEGFDIENGKKVQTYPG RFPMGKSDFRVHTFEEEIEFVQGLNHSTGKNIGIYPEIKAPWFHHQEGKDIAAKTLEVLKKYGYTGKDD KVYLQCFDADELKRIKNELEPKMGMELNLVQLIAYTDWNETQQKQPDGSWVNYNYDWMFKPGAM KQVAEYADGIGPDYHMLIEETSQPGNIKLTGMVQDAQQNKLVVHPYTVRSDKLPEYTPDVNQLYDA LYNKAGVNGLFTDFPDKAVKFLN 111111111111111111111111111100000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000

>DM\_train561 HHHHHHPMSNTNIPTTENLYPEGAMVNKNKEGLNIDGKEVLAGSTNYYELTWDLDQYKGDKSSKE AIQNGFYYVDDYPEEALDVRPDLVKVADEKGNQVSGVSVQQYDSLEAAPKKVQDLLKKANITVKGA FQLFSADNPEEFYKQYVATGTSLVITDPMTVKSEFGKTGGKYENKAYQIDFGNGYATEVVVNNVPKIT PKKDVTVSLDPTSENLDGQTVQLYQTFNYRLIGGLIPQNHSEELEDYSFVDDYDQAGDQYTGNYKTF SSLNLTMKDGSVIKAGTDLTSQTTAETDATNGIVTVRFKEDFLQKISLDSPFQAETYLQMRRIAIGTFEN TYVNTVNKVAYASNTVRTTT 111111111111111111111110000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000

>DM\_train563 MRICLFLCLCLCMASPALAQVAVFPALSGKTDAQTLVVYSSLDEPLATPMIEGFQKANPDIAVHYEDM LTGEIYDRIVKETDAGKKTADFAFSSAMDLQVKLSNDGYAQRSDLAMSARWPAWANWRNTAYALT FEPAVFVYHKPSFTTEKPPATRAEFVDYLERHAKEVHGRIATYDIERSGVGFLFMSRDQEQFGDIWSVIK AMGAAGVKVYSTSSAILERVSDGRFVLGYNILGSYAADWASRHPDVGIVLPKDYTVVMSRIGLVPEAA ANPELGRRYLEFFMSKEGQTIMARQLQIPAVSPEVAGENTANTMQAIHGAQLRPVPVSPGLMVYLD QVKRSRLIERWNEALRSQ 111111111111111000000000000001111000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000100000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train564 KELKFVTLVFRHGDRSPIDTFPTDPIKESSWPQGFGQLTQLGMEQHYELGEYIRKRYRKFLNESYKHEQ VYIRSTDVDRTLMSAMTNLAALFPPEGVSIWNPILLWQPIPVHTVPLSEDQLLYLPFRNCPRFQELESE TLKSEEFQKRLHPYKDFIATLGKLSGLHGQDLFGIWSKVYDPLYCESVHNFTLPSWATEDTMTKLRELS ELSLLSLYGIHKQKEKSRLQGGVLVNEILNHMKRATQIPSYKKLIMYSAHDTTVSGLQMALDVYNGLLP PYASCHLTELYFEKGEYFVEMYYRNETQHEPYPLMLPGCSPSCPLERFAELVGPVIPQDWSTECMTTN SHQGTEDSTD 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000111111111111

>DM\_train565 METMKSKANCAQNPNCNIMIFHPTKEEFNDFDKYIAYMESQGAHRAGLAKIIPPKEWKARETYDNIS EILIATPLQQVASGRAGVFTQYHKKKKAMTVGEYRHLANSKKYQTPPHQNFEDLERKYWKNRIYNSPI YGADISGSLFDENTKQWNLGHLGTIQDLLEKECGVVIEGVNTPYLYFGMWKTTFAWHTEDMDLYSIN YLHLGEPKTWYVVPPEHGQRLERLARELFPGSSRGCGAFLRHKVALISPTVLKENGIPFNRITQEAGEF MVTFPYGYHAGFNHGFNCAEAINFATPRWIDYGKMASQCSCGEARVTFSMDAFVRILQPERYDLWK RGQDRAVVDHMEPRVPA 111111111100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000001111111111111

>DM\_train566 MKRVFVFQDFKSQKFWSIDVRGTDVIVNYGKLGTDGQTQVKNFSSAGEAEKAAGKLIAEKTKKGYVE TLEEVAKEMKVEAKKYALSYDEAEEGVNLMDKILKDKKLPSLKQITIGCWGYEGEDCSDIADGIVENKE KFAHFEGLFWGDIDFEEQEISWIEQVDLSPVLDAMPLLNNLKIKGTNNLSIGKKPRPNLKSLEIISGGLP DSVVEDILGSDLPNLEKLVLYVGVEDYGFDGDMNVFRPLFSKDRFPNLKWLGIVDAEEQNVVVEMFL ESDILPQLETMDISAGVLTDEGARLLLDHVDKIKHLKFINMKYNYLSDEMKKELQKSLPMKIDVSDSQE YDDDYSYPMITE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000011111100000

>DM\_train567 GMYEEWKIVKREAPILGNDQLIENIWKMKREDSPYDIISLHKVNLIGGGNDAVLILPGTWSSGEQLVTI SWNGVHYTIPDYRKSIVLYLARNGFNVYTIDYRTHYVPPFLKDRQLSFTANWGWSTWISDIKEVVSFIK RDSGQERIYLAGESFGGIAALNYSSLYWKNDIKGLILLDGGPTKHGIRPKFYTPEVNSIEEMEAKGIYVIP SRGGPNNPIWSYALANPDMPSPDPKYKSISDFLMDSLYVTGSANPYDYPYSKKEDMFPILASFDPYW PYRLSLERDLKFDYEGILVPTIAFVSERFGIQIFDSKILPSNSEIILLKGYGHLDVYTGENSEKDVNSVVLKW LSQQR

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>DM\_train568 MGGSHHHHHHMASSVPIPGIKDISKLKFFYGFKYLWNPTVYNKIFDKLDLTKTYKHPEELKVLDLYPGV GIQSAIFYNKYCPRQYSLLEKRSSLYKFLNAKFEGSPLQILKRDPYDWSTYSNLIDEERIFVPEVQSSDHI NDKFLTVANVTGEGSEGLIMQWLSCIGNKNWLYRFGKVKMLLWMPSTTARKLLARPGMHSRSKCSV VREAFTDTKLIAISDANELKGFDSQCIEEWDPILFSAAEIWPTKGKPIALVEMDPIDFDFDVDNWDYVT RHLMILKRTPLNTVMDSLGHGGQQYFNSRITDKDLLKKCPIDLTNDEFIYLTKLFMEWPFKPDILMDFV DMYQTEHSG 111111111111111000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000001111111111111111

>DM\_train569 AGSDEVNRNECKTVVPLHTWVLISNFKLSYNILRRADGTFERDLGEYLDRRVPANARPLEGVSSFDHII DQSVGLEVRIYRAAAEGDAEEGAAAVTRPILEFLTDAPAAEPFPVIIFFHGGSFVHSSASSTIYDSLCRRF VKLSKGVVVSVNYRRAPEHRYPCAYDDGWTALKWVMSQPFMRSGGDAQARVFLSGDSSGGNIAH HVAVRAADEGVKVCGNILLNAMFGGTERTESERRLDGKYFVTLQDRDWYWKAYLPEDADRDHPAC NPFGPNGRRLGGLPFAKSLIIVSGLDLTCDRQLAYADALREDGHHVKVVQCENATVGFYLLPNTVHY HEVMEEISDFLNANLYY 111111111111110000000000000000000000000000000000000000000000000000000000000 000000011111111111111111111111111111000000000000000000000000000000000000000 000000000000000000000000000000001111110000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000111

>DM\_train572 MLREFSFYDVPPAHVPPVSEPLEIACYSLSRDRELLLDDSKLSYYYPPPLFSDLNTGFPNRFHPPKSDPD PISIVKDVLMTKGIQMNSSFLTWRGLITKIMCAPLDPRNHWETYLVMDPTSGIIMMEERTRSETSYAN QDRMCYWGYKFEAISTLPEIWDACSRDQIEQRDNQDVVPDEQYCSIVKINIGKSKLILAGEVDCIWDK KPCSAKESDVHSDDGTIEEDASNAENPNLHYVELKTSKKYPLENYGMRKKLLKYWAQSFLLGIGRIIIGF RDDNGILIEMKELFTHQIPKMLRPYFKPNDWTPNRLLVVLEHALEWIKQTVKQHPPSTEFTLSYTGGSK LVLRQII 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000011111110000000000000 000000000001111111111100000000000000000000000000000000000001111111111111111 111110000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000

>DM\_train573 MTQIIKIDPLNPEIDKIKIAADVIRNGGTVAFPTETVYGLGANAFDGNACLKIFQAKNRPVDNPLIVHIA DFNQLFEVAKDIPDKVLEIAQIVWPGPLTFVLKKTERVPKEVTAGLDTVAVRMPAHPIALQLIRESGVPI

AAPSANLATRPSPTKAEDVIVDLNGRVDVIIDGGHTFFGVESTIINVTVEPPVLLRPGPFTIEELKKLFGEI VIPEFAQGKKEAEIALAPGMKYKHYAPNTRLLLVENRNIFKDVVSLLSKKYKVALLIPKELSKEFEGLQQII LGSDENLYEVARNLFDSFRELDKLNVDLGIMIGFPERGIGFAIMNRARKASGFSIIKAISDVYKYVNI

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>DM\_train574 MDRRRFLVGLLGLGLARGQGLRVEEVVGGLEVPWALAFLPDGGMLIAERPGRIRLFREGRLSTYAELS VYHRGESGLLGLALHPRFPQEPYVYAYRTVAEGGLRNQVVRLRHLGERGVLDRVVLDGIPARPHGLH SGGRIAFGPDGMLYVTTGEVYERELAQDLASLGGKILRLTPEGEPAPGNPFLGRRGARPEVYSLGHRN PQGLAWHPKTGELFSSEHGPSGEQGYGHDEVNLIVPGGNYGWPRVVGRGNDPRYRDPLYFWPQG FPPGNLAFFRGDLYVAGLRGQALLRLVLEGERGRWRVLRVETALSGFGRLREVQVGPDGALYVTTSN RDGRGQVRPGDDRVLRLL 111111111111111111100000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000011 111100000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000

>DM\_train575 MTYVQDGNKSELRKAKRQLVTVIDLNKCLGCQTCTVACKNIWTKRPGTEHMRWNNVTTYPGKGYP RDYERKGGGFLRGEPQPGVLPTLIDSGDDFQFNHKEVFYEGKGQTVHFHPTSKSTGKDPAWGYNWD EDQGGGKWPNPFFFYLARMCNHCTNPACLAACPTGAIYKREDNGIVLVDQERCKGHRHCVEACPY KAIYFNPVSQTSEKCILCYPRIEKGIANACNRQCPGRVRAFGYLDDTTSHVHKLVKKWKVALPLHAEY GTGPNIYYVPPMGARGFGEDGEITDKTRIPLDVLEGLFGPEVKRVLAVLHTERENMRAGRGSELMDLLI SKKWSDRFGGFTNDPLTQS 111111111111111000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000

>DM\_train576 MKIAIINMGNNVINFKTVPSSETIYLFKVISEMGLNVDIISLKNGVYTKSFDEVDVNDYDRLIVVNSSINF FGGKPNLAILSAQKFMAKYKSKIYYLFTDIRLPFSQSWPNVKNRPWAYLYTEEELLIKSPIKVISQGINLDI AKAAHKKVDNVIEFEYFPIEQYKIHMNDFQLSKPTKKTLDVIYGGSFRSGQRESKMVEFLFDTGLNIEFF GNAREKQFKNPKYPWTKAPVFTGKIPMNMVSEKNSQAIAALIIGDKNYNDNFITLRVWETMASDAV MLIDEEFDTKHRIINDARFYVNNRAELIDRVNELKHSDVLRKEMLSIQHDILNKTRAKKAEWQDAFKK AIDL 000000000000000000000000000000000000000000000000000000000000000000011111111 100000000000000000000000000000000111111111111110000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000

>DM\_train577 MGSDKIHHHHHHMIRAGIIGATGYTGLELVRLLKNHPEAKITYLSSRTYAGKKLEEIFPSTLENSILSEFDP EKVSKNCDVLFTALPAGASYDLVRELKGVKIIDLGADFRFDDPGVYREWYGKELSGYENIKRVYGLPEL HREEIKNAQVVGNPGCYPTSVILALAPALKHNLVDPETILVDAKSGVSGAGRKEKVDYLFSEVNESLRP YNVAKHRHVPEMEQELGKISGKKVNVVFTPHLVPMTRGILSTIYVKTDKSLEEIHEAYLEFYKNEPFVHV LPMGIYPSTKWCYGSNHVFIGMQMEERTNTLILMSAIDNLVKGASGQAVQNMNIMFGLDETKGLEF TPIYP 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000011110000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000

>DM\_train578 MTSPSHASDRGGGDGDSVENQSPELRKDPVTNRWVIFSPARAKRPTDFKSKSPQNPNPKPSSCPFCI GREQECAPELFRVPDHDPNWKLRVIENLYPALSRNLETQSTQPETGTSRTIVGFGFHDVVIESPVHSIQ LSDIDPVGIGDILIAYKKRINQIAQHDSINYIQVFKNQGASAGASMSHSHSQMMALPVVPPTVSSRLD GTKDYFEETGKCCLCEAKSKHFVIDESSHFVSVAPFAATYPFEIWIIPKDHSSHFHHLDDVKAVDLGGLL KLMLQKIAKQLNDPPYNYMIHTSPLKVTESQLPYTHWFLQIVPQLSGVGGFEIGTGCYINPVFPEDVA KVMREVSLT 111111111111111111110000000000000000000111111000001111111111100000000000000 000000000000000000000000000000001111111100000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000001

>DM\_train580 DTSSLIVEDAPDHVRPYVIRHYSHARAVTVDTQLYRFYVTGPSSGYAFTLMGTNAPHSDALGVLPHIH QKHYENFYCNKGSFQLWAQSGNETQQTRVLSSGDYGSVPRNVTHTFQIQDPDTEMTGVIVPGGFE DLFYYLGTNATDTTHTPYIPSSSDSSSTTGPDSSTISTLQSFDVYAELSFTPRTDTVNGTAPANTVWHT GANALASTAGDPYFIANGWGPKYLNSQYGYQIVAPFVTATQAQDTNYTLSTISMSTTPSTVTVPTWS FPGACAFQVQEGRVVVQIGDYAATELGSGDVAFIPGGVEFKYYSEAYFSKVLFVSSGSDGLDQNLVN GGEEWSSVSFPADW 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000111111111111111100000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000

>DM\_train581 APLVHHHHHHALADNCPLEHNPDQLDSDSDRIGDTCDNNQDIDEDGHQNNLDNCPYVPNANQ ADHDKDGKGDACDHDDDNDGIPDDKDNCRLVPNPDQKDSDGDGRGDACKDDFDHDSVPDIDDI CPENVDISETDFRRFQMIPLDPKGTSQNDPNWVVRHQGKELVQTVNSDPGLAVGYDEFNAVDFSG TFFINTERDDDYAGFVFGYQSSSRFYVVMWKQVTQSYWDTNPTRAQGYSGLSVKVVKSTTGPGEHL RNALWHTGNTPGQVRTLWHDPRHIGWKDFTAYRWRLSHRPKTGFIRVVMYEGKKIMADSGPIYDK TYAGGRLGLFVFSQEMVFFSDLKYECRDP 111111111100000000000000000000000000000000000000000000000000000000000000000

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>DM\_train582 MTYFIDVPTMSDLVHDIGVAPFIGELAAALRDDFKRWQAFDKSARVASHSEVGVIELMPVADKSRYA FKYVNGHPANTARNLHTVMAFGVLADVDSGYPVLLSELTIATALRTAATSLMAAQALARPNARKMA LIGNGAQSEFQALAFHKHLGIEEIVAYDTDPLATAKLIANLKEYSGLTIRRASSVAEAVKGVDIITTVTAD KAYATIITPDMLEPGMHLNAVGGDCPGKTELHADVLRNARVFVEYEPQTRIEGEIQQLPADFPVVDL WRVLRGETEGRQSDSQVTVFDSVGFALEDYTVLRYVLQQAEKRGMGTKIDLVPWVEDDPKDLFSHT RGRAGKRRIRRVA 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000001111111111

>DM\_train583 MANVAIIGTEKSGRTSLAANLGKKGTSSDITMYNNDKEGRNMVFVDAHSYPKTLKSLITALNISDIAVL CIPPQGLDAHTGECIIALDLLGFKHGIIALTRSDSTHMHAIDELKAKLKVITSGTVLQDWECISLNTNKSA KNPFEGVDELKARINEVAEKIEAENAELNSLPARIFIDHAFNVTGKGCVVLGVVKQGISKDKDKTKIFPL DRDIEIRSIQSHDVDIDSAPAGTRVGMRLKNVQAKDIERGFIISDKEIVTTDYTLECTVSKFTKKIEPASVL HLFVGLQSEPVRVEKILVDGNEVEEAKPGSTCVLELSGNKKLAYSKQDRFLLANLDLTQRFAAYGFSK 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000011100000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000

>DM\_train584 MAATAAEAVASGSGEPREEAGALGPAWDESQLRSYSFPTRPIPRLSQSDPRAEELIENEEPVVLTDTNL VYPALKWDLEYLQENIGNGDFSVYSASTHKFLYYDEKKMANFQNFKPRSNREEMKFHEFVEKLQDIQ QRGGEERLYLQQTLNDTVGRKIVMDFLGFNWNWINKQQGKRGWGQLTSNLLLIGMEGNVTPAHY DEQQNFFAQIKGYKRCILFPPDQFECLYPYPVHHPCDRQSQVDFDNPDYERFPNFQNVVGYETVVG PGDVLYIPMYWWHHIESLLNGGITITVNFWYKGAPTPKRIEYPLKAHQKVAIMRNIEKMLGEALGNPQ EVGPLLNTMIKGRYN 111111111111110000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0001110000000000000000000000000000000000000000000

>DM\_train586 MQNNNEFKIGNRSVGYNHEPLIICEIGINHEGSLKTAFEMVDAAYNAGAEVVKHQTHIVEDEMSDEA KQVIPGNADVSIYEIMERCALNEEDEIKLKEYVESKGMIFISTLFSRAAALRLQRMDIPAYKIGSGECNNY PLIKLVASFGKPIILSTGMNSIESIKKSVEIIREAGVPYALLHCTNIYPTPYEDVRLGGMNDLSEAFPDAIIG LSDHTLDNYACLGAVALGGSILERHFTDRMDRPGPDIVCSMNPDTFKELKQGAHALKLARGGKKDTII

AGEKPTKDFAFASVVADKDIKKGELLSGDNLWVKRPGNGDFSVNEYETLFGKVAACNIRKGAQIKKTD

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>DM\_train588 VNIKTNPFKAVSFVESAIKKALDNAGYLIAEIKYDGVRGNICVDNTANSYWLSRVSKTIPALEHLNGFD VRWKRLLNDDRCFYKDGFMLDGELMVKGVDFNTGSGLLRTKWTDTKNQEFHEELFVEPIRKKDKVPF KLHTGHLHIKLYAILPLHIVESGEDCDVMTLLMQEHVKNMLPLLQEYFPEIEWQAAESYEVYDMVELQ QLYEQKRAEGHEGLIVKDPMCIYKRGKKSGWWKMKPENEADGIIQGLVWGTKGLANEGKVIGFEVLL ESGRLVNATNISRALMDEFTETVKEATLSQWGFFSPYGIGDNDACTINPYDGWACQISYMEETPDGS LRHPSFVMFR 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000111111110000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000001111111100000000000000000000000000000000000

>DM\_train590 MNGTEGPNFYVPFSNKTGVVRSPFEAPQYYLAEPWQFSMLAAYMFLLIMLGFPINFLTLYVTVQHKKL RTPLNYILLNLAVADLFMVFGGFTTTLYTSLHGYFVFGPTGCNLEGFFATLGGEIALWSLVVLAIERYVV VCKPMSNFRFGENHAIMGVAFTWVMALACAAPPLVGWSRYIPEGMQCSCGIDYYTPHEETNNESF VIYMFVVHFIIPLIVIFFCYGQLVFTVKEAAAQQQESATTQKAEKEVTRMVIIMVIAFLICWLPYAGVAFY IFTHQGSDFGPIFMTIPAFFAKTSAVYNPVIYIMMNKQFRNCMVTTLCCGKNPLGDDEASTTVSKTET SQVAPA 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000011111000 000000000000000000000000000000000000000000000000000000000000000000000000000 011111111111111110000000000000000000000000000000000000000000000000000000000 000000000000000000000000001111111111111111111111

>DM\_train591 SRLQELAVIPILVIACDRSTVRRCLDKLLHYRPSAELFPIIVSQDCGHEETAQVIASYGSAVTHIRQPDLS NIAVQPDHRKFQGYYKIARHYRWALGQIFHNFNYPAAVVVEDDLEVAPDFFEYFQATYPLLKADPSL WCVSAWNDNGKEQMVDSSKPELLYRTDFFPGLGWLLLAELWAELEPKWPKAFWDDWMRRPEQR KGRACVRPEISRTMTFGRKGVSHGQFFDQHLKFIKLNQQFVPFTQLDLSYLQQEAYDRDFLARVYGA PQLQVEKVRTNDRKELGEVRVQYTGRDSFKAFAKALGVMDDLKSGVPRAGYRGIVTFLFRGRRVHLA PPQTWDGYDPSWT 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000001111111 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000

>DM\_train592

MTGREILEKLERREFTREVLKEALSINDRGFNEALFKLADEIRRKYVGDEVHIRAIIEFSNVCRKNCLYCGL RRDNKNLKRYRMTPEEIVERARLAVQFGAKTIVLQSGEDPYYMPDVISDIVKEIKKMGVAVTLSLGEWP REYYEKWKEAGADRYLLRHETANPVLHRKLRPDTSFENRLNCLLTLKELGYETGAGSMVGLPGQTIDD LVDDLLFLKEHDFDMVGIGPFIPHPDTPLANEKKGDFTLTLKMVALTRILLPDSNIPATTAMGTIVPGGR EITLRCGANVIMPNWTPSPYRQLYQLYPGKICVFEKDTACIPCVMKMIELLGRKPGRDWGGRKRVFET

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>DM\_train594 MPKFDVSKSDLERLIGRSFSIEEWEDLVLYAKCELDDVWEENGKVYFKLDSKDTNRPDLWSAEGVAR QIKWALGIEKGLPKYEVKKSNVTVYVDEKLKDIRPYGVYAIVEGLRLDEDSLSQMIQLQEKIALTFGRRR REVAIGIFDFDKIKPPIYYKAAEKTEKFAPLGYKEEMTLEEILEKHEKGREYGHLIKDKQFYPLLIDSEGNVL SMPPIINSEFTGRVTTDTKNVFIDVTGWKLEKVMLALNVMVTALAERGGKIRSVRVVYKDFEIETPDLT PKEFEVELDYIRKLSGLELNDGEIKELLEKMMYEVEISRGRAKLKYPAFRDDIMHARDILEDVLIAYGY 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000

>DM\_train595 MKERLEKLVKFMDENSIDRVFIAKPVNVYYFSGTSPLGGGYIIVDGDEATLYVPELEYEMAKEESKLPVV KFKKFDEIYEILKNTETLGIEGTLSYSMVENFKEKSNVKEFKKIDDVIKDLRIIKTKEEIEIIEKACEIADKAVM AAIEEITEGKREREVAAKVEYLMKMNGAEKPAFDTIIASGHRSALPHGVASDKRIERGDLVVIDLGALYN HYNSDITRTIVVGSPNEKQREIYEIVLEAQKRAVEAAKPGMTAKELDSIAREIIKEYGYGDYFIHSLGHGV GLEIHEWPRISQYDETVLKEGMVITIEPGIYIPKLGGVRIEDTVLITENGAKRLTKTERELL 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 011111111111111111000000000000000000000000000000001000000000000000000001100 000000000000000001111000000000000000000000000111

>DM\_train596 MVKRMIALDGAQGEGGGQILRSALSLSMITGQPFTITSIRAGRAKPGLLRQHLTAVKAATEICGATVEG AELGSQRLLFRPGTVRGGDYRFAIGSAGSCTLVLQTVLPALWFADGPSRVEVSGGTDNPSAPPADFIR RVLEPLLAKIGIHQQTTLLRHGFYPAGGGVVATEVSPVASFNTLQLGERGNIVQMRGEVLLAGVPRHV AEREIATLAGSFSLHEQNIHNLPRDQGPGNTVSLEVESENITERFFVVGEKRVSAEVVAAQLVKEVKRY LASTAAVGEYLADQLVLPMALAGAGEFTVAHPSCHLLTNIAVVERFLPVRFSLIETDGVTRVSIEGSHH HHHH 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train597 MRVVVIGAGVIGLSTALCIHERYHSVLQPLDVKVYADRFTPFTTTDVAAGLWQPYTSEPSNPQEANW NQQTFNYLLSHIGSPNAANMGLTPVSGYNLFREAVPDPYWKDMVLGFRKLTPRELDMFPDYRYGW FNTSLILEGRKYLQWLTERLTERGVKFFLRKVESFEEVARGGADVIINCTGVWAGVLQPDPLLQPGRG QIIKVDAPWLKNFIITHDLERGIYNSPYIIPGLQAVTLGGTFQVGNWNEINNIQDHNTIWEGCCRLEPT LKDAKIVGEYTGFRPVRPQVRLEREQLRFGSSNTEVIHNYGHGGYGLTIHWGCALEVAKLFGKVLEER NLLTMPPSHL 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000011111111

>DM\_train598 MLMREVTKEERSEFYSKEWSAKKIPKFIVDTLESREFGFDHNGEGPSDRKNQYSDIRDLEDYIRATSPYA VYSSVAFYENPREMEGWRGAELVFDIDAKDLPLKRCNHEPGTVCPICLEDAKELAKDTLIILREELGFEN IHVVYSGRGYHIRILDEWALQLDSKSRERILAFISASEIENVEEFRRFLLEKRGWFVLKHGYPRVFRLRLGY FILRVNVPHLLSIGIRRNIAKKILDHKEEIYEGFVRKAILASFPEGVGIESMAKLFALSTRFSKAYFDGRVTV DIKRILRLPSTLHSKVGLIATYVGTKEREVMKFNPFRHAVPKFRKKEVREAYKLWRESLEYE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000111

>DM\_train600 PQFMAAIYGGVEGGGTRSEVLLVSEDGKILAEADGLSTNHWLIGTDKCVERINEMVNRAKRKAGVDP LVPLRSLGLSLSGGDQEDAGRILIEELRDRFPYLSESYLITTDAAGSIATATPDGGVVLISGTGSNCRLINP DGSESGCGGWGHMMGDEGSAYWIAHQAVKIVFDSIDNLEAAPHDIGYVKQAMFHYFQVPDRLGIL THLYRDFDKCRFAGFCRKIAEGAQQGDPLSRYIFRKAGEMLGRHIVAVLPEIDPVLFQGKIGLPILCVGS VWKSWELLKEGFLLALTQGREIQAQNFFSSFTLMKLRHSSALGGASLGARHIGHLLPMDYSANAIAFY SYTFS 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000001111 10000000000000000000000000000000000000000000000

>DM\_train601 MASLSRFRGCLAGALLGDCVGSFYEAHDTVDLTSVLRHVQSLEPDPGTPGSERTEALYYTDDTAMAR ALVQSLLAKEAFDEVDMAHRFAQEYKKDPDRGYGAGVVTVFKKLLNPKCRDVFEPARAQFNGKGSY GNGGAMRVAGISLAYSSVQDVQKFARLSAQLTHASSLGYNGAILQALAVHLALQGESSSEHFLKQLL GHMEDLEGDAQSVLDARELGMEERPYSSRLKKIGELLDQASVTREEVVSELGNGIAAFESVPTAIYCFL RCMEPDPEIPSAFNSLQRTLIYSISLGGDTDTIATMAGAIAGAYYGMDQVPESWQQSCEGYEETDILA QSLHRVFQKS 000000000000000000000000000000000000000000000011111111000000000000000000000

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>DM\_train602 MSSIEWNEKTFAKFAYLSDPRTKGELVAYVLTKANLKDNKYENTIVIENLKNNARRFIENATMPRISPD GKKIAFMRANEEKKVSEIWVADLETLSSKKILEAKNIRSLEWNEDSRKLLIVGFKRREDEDFIFEDDVPA WFDDLGFFDGEKTTFWIFDTESEEVIEEFEKPRFSSGIWHRDKIVVNVPHREIIPQYFKFWDIYIWEDGKE EKMFEKVSFYAVDSDGERILLYGKPEKKYMSEHNKLYIYDGKEVMGILDEVDRGVGQAKIKDGKVYFTL FEEGSVNLYIWDGEIKPIAKGRHWIMGFDVDEIVVYLKETATRLRELFTWDGEEKQLTDYNDPIFAKL 111111111111000000000000000000000011100000000000000000000000000000000000000 000000000000000000000000000000000000000000000000011111111111111111111111000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000011111

>DM\_train604 CSALIKLLPGGHDLLVAHNTWNSYQNMLRIIKKYRLQFREGPQEEYPLVAGNNLVFSSYPGTIFSGDDF YILGSGLVTLETTIGNKNPALWKYVQPQGCVLEWIRNVVANRLALDGATWADVFKRFNSGTYNNQ WMIVDYKAFLPNGPSPGSRVLTILEQIPGMVVVADKTAELYKTTYWASYNIPYFETVFNASGLQALVA QYGDWFSYTKNPRAKIFQRDQSLVEDMDAMVRLMRYNDFLHDPLSLCEACNPKPNAENAISARSD LNPANGSYPFQALHQRAHGGIDVKVTSFTLAKYMSMLAASGPTWDQCPPFQWSKSPFHSMLHMG QPDLWMFSPIRVPWD 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000011

>DM\_train605 MTVSPVPSPKGRVLIAGATGFIGQFVATASLDAHRPTYILARPGPRSPSKAKIFKALEDKGAIIVYGLINE QEAMEKILKEHEIDIVVSTVGGESILDQIALVKAMKAVGTIKRFLPSEFGHDVNRADPVEPGLNMYREK RRVRQLVEESGIPFTYICCNSIASWPYYNNIHPSEVLPPTDFFQIYGDGNVKAYFVAGTDIGKFTMKTV DDVRTLNKSVHFRPSCNCLNINELASVWEKKIGRTLPRVTVTEDDLLAAAGENIIPQSVVAAFTHDIFIK GCQVNFSIDGPEDVEVTTLYPEDSFRTVEECFGEYIVKMEEKQPTADSAIANTGPVVGMRQVTATCA 111111111100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000001111100000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000011111111111111111111111111111

>DM\_train606 MSNVYVMALDFGNGFVKGKINDEKFVIPSRIGRKTNENNQLKGFVDNKLDVSEFIINGNNDEVLLFG NDLDKTTNTGKDTASTNDRYDIKSFKDLVECSIGLLAREVPEEVVNVVIATGMPSNEIGTDKQAKFEKL LNKSRLIEIDGIAKTINVKGVKIVAQPMGTLLDLNMENGKVFKAFTEGKYSVLDFGSGTTIIDTYQNMKR VEEESFVINKGTIDFYKRIASHVSKKSEGASITPRMIEKGLEYKQCKLNQKTVIDFKDEFYKEQDSLIEEVM SNFEITVGNINSIDRIIVTGGGANIHFDSLSHYYSDVFEKADDSQFSNVRGYEKLGELLKNKVEQESK

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>DM\_train607 MGSDKIHHHHHHKDLLGREVEIPSNVNRIVAVGPGALRLIAYLKATDMVVGVEDFEKLRPYGRPYILA YPELKKLPSVGPGGPGKLPDLESLITLQPDVVFITYVDRKTAKDIQEKTGIPVVVLSYGNLGTFEDEDLFR SIELAGKILGREERAHEVVDFIRKAQEDLVTRSEGVESPTVYVGGIGYKGAHGIDSTEAKYPPFVVLHAR NVVDELGEGHKFIDPEKLLVWNPEYIFIDENGLSLVLDDYSKHREFYESLSAVKRGKVYGILPYNYYTTNI GTALADAYFIGKVLYPERFTDIDPEEKADEIYEFLLGKRVYGEMAEQFGGFGKIDLPSGRILRGTW 111111111100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000

>DM\_train608 MPSRTELLAEEYLRREGHDPQKFRYVHPDGTPYTDADGLARIARLAVPPAYQDVYVSPDAENELQAF GRDAAGRLQYRYHPDFVQAGALKKWQRLTRFAGALPTLKVATTADLRASGLPPRKVMALMTRLLHV ARFRVGSDIYARQHKTYGLSTLRQRHVVVDGNTVTFRFKGKHGVSQHKATSDRTLAANMQKLLDLP GPWLFQTVDAGGGERRRIHSTELNAYLREVIGPFTAKDFRTWGGTLLAAEYLAQQGTESSERQAKKVL VDCVKFVADDLGNTPAVTRGSYICPVIFDRYLDGKVLDDYEPRTERQEAELEGLTRSEGALKRMLESER TLRQRGRALK 100000000000000011100000111111111111110000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000111111111100 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000111111111

>DM\_train610 VTDKTSLSYKDAGVDIDAGNALVGRIKGVVKKTRRPEVMGGLGGFGALCALPQKYREPVLVSGTDGV GTKLRLAMDLKRHDTIGIDLVAMCVNDLVVQGAEPLFFLDYYATGKLDVDTASAVISGIAEGCLQSGC SLVGGETAEMPGMYHGEDYDVAGFCVGVVEKSEIIDGSKVSDGDVLIALGSSGPHSNGYSLVRKILEV SGCDPQTTELDGKPLADHLLAPTRIYVKSVLELIEKVDVHAIAHLTGGGFWENIPRVLPDNTQAVIDES SWQWPEVFNWLQTAGNVEHHEMYRTFNCGVGMIIALPAPEVDKALALLNANGENAWKIGIIKASD SEQRVVIE 111111111111111111110000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000

>DM\_train611 MTFNPSKKLYISDVTLRDGSHAIRHQYTLDDVRAIARALDKAKVDSIEVAHGDGLQGSSFNYGFGRHT DLEYIEAVAGEISHAQIATLLLPGIGSVHDLKNAYQAGARVVRVATHCTEADVSKQHIEYARNLGMDT VGFLMMSHMIPAEKLAEQGKLMESYGATCIYMADSGGAMSMNDIRDRMRAFKAVLKPETQVGMH

AHHNLSLGVANSIVAVEEGCDRVDASLAGMGAGAGNAPLEVFIAVAERLGWNHGTDLYTLMDAAD DIVRPLQDRPVRVDRETLGLGYAGVYSSFLRHAEIAAAKYNLKTLDILVELGHRRMVGGQEDMIVDVA LDLLAAHKENRA

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>DM\_train613 MPARALLPRRMGHRTLASTPALWASIPCPRSELRLDLVLPSGQSFRWREQSPAHWSGVLADQVWTL TQTEEQLHCTVYRGDKSQASRPTPDELEAVRKYFQLDVTLAQLYHHWGSVDSHFQEVAQKFQGVRL LRQDPIECLFSFICSSNNNIARITGMVERLCQAFGPRLIQLDDVTYHGFPSLQALAGPEVEAHLRKLGLG YRARYVSASARAILEEQGGLAWLQQLRESSYEEAHKALCILPGVGTKVADCICLMALDKPQAVPVDV HMWHIAQRDYSWHPTTSQAKGPSPQTNKELGNFFRSLWGPYAGWAQAVLFSADLRQSRHAQEPP AKRRKGSKGPEG 111111111110000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000001111111111111111111111

>DM\_train614 MSLRSIFWDDGLKLIDQTKLPEKLEVIECRNVEELADAIKKLAVRGAPALEAAGAYGIALAAREREFADV DELKEHLKKAADFLASTRPTAVNLFVGIERALNAALKGESVEEVKELALREAEKLAEEDVERNRKMGEY GAELLEDGDVVLTYCNAGRLATVDWGTALGVVRSAVEQGKEIRVIACETRPLNQGSRLTCWELMED GIDVTLITDSMVGIVMQKGMVDKVIVGADRIVRDAVFNKIGTYTVSVVAKHHNIPFYVAAPKATFDW ERTAKDVVIEERPREELIFCGKRQIAPLNVKVYNPAFDPTPLENVTALITEYGVIYPPYEVNVPKVLKFEG GS 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000001111

>DM\_train617 MIIDIHGHYTTAPKALEDWRNRQIAGIKDPSVMPKVSELKISDDELQASIIENQLKKMQERGSDLTVFS PRASFMAHHIGDFNVSSTWAAICNELCYRVSQLFPDNFIGAAMLPQSPGVDPKTCIPELEKCVKEYGF VAINLNPDPSGGHWTSPPLTDRIWYPIYEKMVELEIPAMIHVSTSCNTCFHTTGAHYLNADTTAFMQ CVAGDLFKDFPELKFVIPHGGGAVPYHWGRFRGLAQEMKKPLLEDHVLNNIFFDTCVYHQPGIDLLN TVIPVDNVLFASEMIGAVRGIDPRTGFYYDDTKRYIEASTILTPEEKQQIYEGNARRVYPRLDAALKAKG KLE 000000000000000000000000000000000000000000000000000000000000000000000000011 111000000000000000000000000000000000000000000000000000000000000000000000111 100000000000000000000000000000111111111100000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000

>DM\_train618 MFKYVIPLCALTLAAPSFAAQTTLMLSQKSDVNYLGWSTDESKVARQEVYRGTTSNPDLRERIAVLDA ETRTFKDADTNSGLNYWYWVDVVSENQAQVVSNAVTTAPNAGPLRAAKASSECKPGATFENRTVD CGGVTIGTSCPNDSDKQKPLIILKNATVKNLRISASGGADGIHCDSGNCTIENVIWEDICEDAATNNG KTMTIVGGIAHNAKDGYGGKPDKVLQHNSKNSTTVVKGNFTLTGEHGKLWRSCGDCSNNGGPRFL TVTSATVNGTIDSIAGVNRNYGDVATISGLKIKNYKEGKPPVCEEFKGVVKGQGSTEKYGEKWDTTNC KVSRSGVSKL 111111111111111111100000000000000000000000000000000000000000000000000000000 000000000000000000000000000000001111111111100000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000

>DM\_train619 MVSFKAGINLGGWISQYQVFSKEHFDTFITEKDIETIAEAGFDHVRLPFDYPIIESDDNVGEYKEDGLSYI DRCLEWCKKYNLGLVLDMHHAPGYRFQDFKTSTLFEDPNQQKRFVDIWRFLAKRYINEREHIAFELLN EVVEPDSTRWNKLMLECIKAIREIDSTMWLYIGGNNYNSPDELKNLADIDDDYIVYNFHFYNPFFFTH QKAHWSESAMAYNRTVKYPGQYEGIEEFVKNNPKYSFMMELNNLKLNKELLRKDLKPAIEFREKKKCK LYCGEFGVIAIADLESRIKWHEDYISLLEEYDIGGAVWNYKKMDFEIYNEDRKPVSQELVNILARRKT 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000011111111000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000111

>DM\_train620 MSASHADQPTQTVSYPQLIDLLRRIFVVHGTSPEVADVLAENCASAQRDGSHSHGIFRIPGYLSSLAS GWVDGKAVPVVEDVGAAFVRVDACNGFAQPALAAARSLLIDKARSAGVAILAIRGSHHFAALWPDV EPFAEQGLVALSMVNSMTCVVPHGARQPLFGTNPIAFGAPRAGGEPIVFDLATSAIAHGDVQIAARE GRLLPAGMGVDRDGLPTQEPRAILDGGALLPFGGHKGSALSMMVELLAAGLTGGNFSFEFDWSKHP GAQTPWTGQLLIVIDPDKGAGQHFAQRSEELVRQLHGVGQERLPGDRRYLERARSMAHGIVIAQAD LERLQELAGH 111111111000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000011

>DM\_train621 MSLKQTVYIASPESQQIHVWNLNHEGALTLTQVVDVPGQVQPMVVSPDKRYLYVGVRPEFRVLAYR IAPDDGALTFAAESALPGSLTHISTDHQGQFVFVGSYNAGNVSVTRLEDGLPVGVVDVVEGLDGCHS ANISPDNRTLWVPALKQDRICLFTVSDDGHLVAQDPAEVTTVEGAGPRHMVFHPNEQYAYCVNEL NSSVDVWELKDPHGNIECVQTLDMMPENFSDTRWAADIHITPDGRHLYACDRTASLITVFSVSEDGS VLSKEGFQPTETQPRGFNVDHSGKYLIAAGQKSHHISVYEIVGEQGLLHEKGRYAVGQGPMWVVVN AHEGGSHHHHHH 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train622 GMENLGDRLEVVAELSLAPGNITLTPDGRLFLSLHQFYQPEMQVAELTQDGLIPFPPQSGNAIITFDTV LGIKSDGNGIVWMLDNGNQSKSVPKLVAWDTLNNQLSRVIYLPPPITLSNSFVNDLAVDLIHNFVYIS DPAPDDKAALIRVDLQTGLAARVLQGYPGIAPEDIDLVIDGVPVQIGQPDGTVIRPHLGVNGIVLDAE NEWLYLSPMHSTSMYRIKSADLSNLQLTDAELGSKIERYSEKPICDGISIDKDHNIYVGDLAHSAIGVITS ADRAYKLLVTDEKLSWTDSFNFGSDGYLYFDCNQLHHSAPLNAGENISAPPYYIFRLKPLAAGIVGR 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000

>DM\_train623 MSGSHHHHHHSSGIEGRGRLQTRQDVLYLYNWTYYTPTSLIKKFEQQYNVQVVYDDYASNEDMFA KLSIGASGYDLVVPSGDFVSIMKRKHLLEKIDLSKIPNVQFIKESVRARIAYDPKMEYSVPYYLGAAGIAV NKKAVPSYARTWSIFSRKDLAYRMSMMDDMREVMGAALASLGYNVNTKNEQELAQAAILVTDHW KPNLVKFDSDGYAKSFASGDFVVAHGFAEAFFAETPEAMHEHIDFFIPQDVASPVYVDSFCIPKGARN RDLAHAFINFFLEPAHYAEFLDTFGFPSTIHREAAAYQKKTPYYSEHDLERGTLKTDVGAAIEHYNAHW NAVRFR 111111111111111111111111000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000

>DM\_train624 GMNSDIIVADFWKNNEEILTDFDKDSFCESWTENEMWSIEFKVAQTPKNAHCYSFLDYESSVYFRGQ EFVVKQLSHDAVGKTLSKDIRAPHIYYTCQDGRQDDAITGSFTLEQCLTHIFKTDNRGFSWEIIDPSNIL EKVQQENFGNNNYLTLIDQLLDDYGVVVIPDNRHLVFKPREIYGAKTENFIRYKYNTDEASFDIDTLSL KTKIKGYGKVDSNGNNYFSPITYTSPEVEKWGIRWQEPVSDERYTVAGNMQRRLKLELQDYPATTGS VILKNDYECEKGDYVLFIYEPLGIDYDVQIVAYKKYPFTIKAPEITLSNNKKSIVSIMAQLAKVLKGAK 111000000000000000000000000000000000000000000011111000000000000000000000000 000111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000011100000000000000000000 000000000000000000000000000000000000000011

>DM\_train625 GHMLVMRPAQAADLPQVQRLAADSPVGVTSLPDDAERLRDKILASEASFAAEVSYNGEESYFFVLED SASGELVGCSAIVASAGFSEPFYSFRNETFVHASRSLSIHNKIHVLSLCHDLTGNSLLTSFYVQRDLVQS VYAELNSRGRLLFMASHPERFADAVVVEIVGYSDEQGESPFWNAVGRNFFDLNYIEAEKLSGLKSRTFL AELMPHYPIYVPLLPDAAQESMGQVHPRAQITFDILMREGFETDNYIDIFDGGPTLHARTSGIRSIAQS RVVPVKIGEAPKSGRPYLVTNGQLQDFRAVVLDLDWAPGKPVALSVEAAEALGVGEGASVRLVAVGS 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train626 MKERRYLPLSQARKSGFQMDWLSEPHPVKPTFIGTQVFEEYDLQKLVDYIDWKPFFDVWQLRGKYP NRGFPKIFNDKTVGGEARKVYDDAHNMLNTLISQKKLRARGVVGFWPAQSIQDDIHLYAEAAVPQA AEPIATFYGLRQQAENDSASTEPYYCLSDFIAPLHSGIRDYLGLFAVACFGVEELSKAYEDDGDDYSSIM VKALGDRLAEAFAEELHERVRRELWAYCGSEQLDVADLRRLRYKGIRPAPGYPSQPDHTEKLTMWRL ADIEQSTGIRLTESLAMAPASAVSGLYFSNLKSKYFAVGKISKDQVEDYALRKNISVAEVEKWLGPILGY DTD 110000000000000000000000000000000000000000000000000000000000000000000000000 001110000000000000000000000000000000000000000000000000000000000000000000011 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000011

>DM\_train627 GLMEPPGPSTPIVQRPRILLVIDDAHTDWSKYFHGKKVNGEIEIRVEQAEFSELNLAAYVTGGCMVDM QVVRNGTKVVSRSFKPDFILVRQHAYSMALGEDYRSLVIGLQYGGLPAVNSLYSVYNFCSKPWVFSQ LIKIFHSLGPEKFPLVEQTFFPNHKPMVTAPHFPVVVKLGHAHAGMGKIKVENQLDFQDITSVVAMAK TYATTEAFIDSKYDIRIQKIGSNYKAYMRTSISGNWKANTGSAMLEQVAMTERYRLWVDSCSEMFGG LDICAVKAVHSKDGRDYIIEVMDSSMPLIGEHVEEDRQLMADLVVSKMSQLPMPGGTAPSPLRPWA PQIKSA 111111111111110000000000000000000000000000000000000000000000000000000111111 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000011111111111111111111

>DM\_train628 LTCGTNSGFVCKGTQTQYAGGFAPGVGYGGFGGGSCTATKTPVIFIHGNGDNAISFDMPPGNVSGY GTPARSVYAELKARGYNDCEIFGVTYLSSSEQGSAQYNYHSSTKYAIIKTFIDKVKAYTGKSQVDIVAHS MGVSMSLATLQYYNNWTSVRKFINLAGGIRGLYSCYYTGYANAAAPTCGSQNYYNSYTFGFFPEGW YYGVWVSNPWTGSGSTNSMRDMPAKRTAVSFYTLSAGFKDQVGCATASFWAGCDSAAKFASTTS NVKAQINVGAGSNATQADYDWADGMPYNAGGGDTTNGVGHFRTKTNTGAIIQRMLLTTCTGLDC AAEYTTGPKAAY 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000011000000 000000000000000000000000000000000000000000

>DM\_train629 PFKESQARGLLQDNMANSYNGGDFEDGLLNLSKEVFPTDKYLYQDGQFLDKKTINAYLNPKYTKREI DKMSEKDKKDKKANENLGLNPSHEGETNPEKIAEKSPAYLSNILEQDFYGGGDTKGKNIKGMTIGLA MNSVYYYKKEKDGPTFSKKLDDSEVKKQGKQMASEILSRLRENDDLKDIPIHFAIYKQSSEDSITPGEFIT

QATAEKSQTKLNEWHNINEKSALLPSSTAADYDENLNNNFKQFNDNLQSYFSNFTQAVGKVKFVDK KPQRLVVDLPIDYYGQAETIGITQYVTEQANKYFDKIDNYEIRIKDGNQPRALISKTKDDKEPQVHIYSN 111111111000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000111111000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000100000000 000000000000000000000000000011111110000000000000000000000000000000000000000 00000000000000000000000000000000000000000

>DM\_train630 MPTLTARSVIPPYMLRRIIEHGSLPQRDCALHTLNHVQSLLGNKPLRAPGAKTSTGGEVIRDIYDAENS TQLPGKQVRNEGQASNHDVAVDEAYDYLGVTYDFFWQAFKRNSLDNQGLPLTGSVHYGKEYQNA FWNGQQMVFGDGDGEIFNRFTIAIDVVGHALAHGVTESEAGLIYFQQAGALNESLSDVFGSLVKQF HLKQTADKADWLIGEGLLAKGINGKGLRSMSAPGTAYDDPLLGKDPQPASMKDYIQTKEDNGGVHL NSGIPNRAFYLAATALGGYAWEKAGYIWYDTLCDKALPQDADFATFARTTVKHAEQRFDSKVAQKV QQAWHQVGVA 111110000000000000000000000000000000011111111111111000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000

>DM\_train631 MDRNSLSNSLKTCYKYLNQTSRSFAAVIQALDGEMRNAVCIFYLVLRALDTLEDDMTISVEKKVPLLH NFHSFLYQPDWRFMESKEKDRQVLEDFPTISLEFRNLAEKYQTVIADICRRMGIGMAEFLDKHVTSEQ EWDKYCHYVAGLVGIGLSRLFSASEFEDPLVGEDTERANSMGLFLQKTNIIRDYLEDQQGGREFWPQ EVWSRYVKKLGDFAKPENIDLAVQCLNELITNALHHIPDVITYLSRLRNQSVFNFCAIPQVMAIATLAA CYNNQQVFKGAVKIRKGQAVTLMMDATNMPAVKAIIYQYMEEIYHRIPDSDPSSSKTRQIISTIRTQN 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000001111111111111000 0000000000000000000000000000000000000000

>DM\_train632 GMHPNIATLLSANLGESRTRHLLSLVSVPDGLPSDAEGRATRAEIAQALNMVLFAGILDRVPTGRAYT DDVAATGGKVVFDHGALRTVKWRDNGALPEGEAAFTRILRPLGYRLNGNYPLDRISMTGRSYAHAD APEGIAQFFVSEFHPERFSDAFREAVGRVTGNSADPLTPRAQTLLWQLDRDGVLTVADGAELIGLLVP CFERQHGVPRLADYETLLRESAEMAWIATEGNAFNHATDRVDDVFGLSEQQKALGRPMKDKVEVSG SGRVKQTAFRADTVRRQFIGAQGETVERDVPGSFYEFITRDRFADAPAASPRVDLGFDAGNAQGIFK MTAAV 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000011111111000000000111111111111

>DM\_train633 NTATEFDGPYVITPISGQSTAYWICDNRLKTTSIEKLQVNRPEHCGDLPETKLSSEIKQIMPDTYLGIKKV



>DM\_train

>DM\_train635 MRGSPHHHHHHGSAKNVVLDHAGNLDDFVAMVLLASNTEKVRLIGALCTDADCFVENGFNVTGKI MCLMHNNMNLPLFPIGKSAATAVNPFPKEWRCLAKNMDDMPILNIPENVELWDKIKAENEKYEGQ QLLADLVMNSEEKVTICVTGPLSNVAWCIDKYGEKFTSKVEECVIMGGAVDVRGNVFLPSTDGTAEW NIYWDPASAKTVFGCPGLRRIMFSLDSTNTVPVRSPYVQRFGEQTNFLLSILVGTMWAMCTHCELLR DGDGYYAWDALTAAYVVDQKVANVDPVPIDVVVDKQPNEGATVRTDAENYPLTFVARNPEAEFFL DMLLRSARAC 111111111111100000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000011111111111100000000000000000000000000000000 000000000000000000000000000000000000000

>DM\_train636 MVSVARELTVGINGFGRIGRLVLRACMEKGVKVVAVNDPFIDPEYMVYMFKYDSTHGRYKGSVEFRN GQLVVDNHEISVYQCKEPKQIPWRAVGSPYVVESTGVYLSIQAASDHISAGAQRVVISAPSPDAPMF VMGVNENDYNPGSMNIVSNASCTTNCLAPLAKVIHERFGIVEGLMTTVHSYTATQKTVDGPSRKAW RDGRGAHQNIIPASTGAAKAVTKVIPELKGKLTGMAFRVPTPDVSVVDLTCRLAQPAPYSAIKEAVKA AAKGPMAGILAYTEDEVVSTDFLGDTHSSIFDAKAGIALNDNFVKLISWYDNEYGYSHRVVDLLRYMF SRD 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train637 PFTYSIEATRNLATTERCIQDIRNAPVRNRSTQFQLAQQNMLAYTFGEVIPGFASAGINGMDYRDVIG RPVENAVTEGTHFFRDDFRVDSNAKAKVAGDIFEIVSSAVMWNCAARWNSLMVGEGWRSQPRYSR PTLSPSPRRQVAVLNLPRSFDWVSLLVPESQEVIEEFRAGLRKDGLGLPTSTPDLAVVVLPEEFQNDEM WREEIAGLTRPNQILLSGAYQRLQGRVQPGEISLAVAFKRSLRSDRLYQPLYEANVMQLLLEGKLGAP KVEFEVHTLAPEGTNAFVTYEAASLYGLAEGRSAVHRAIRELYVPPTAADLARRFFAFLNERMELVNG 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 11110000000000000000000000000000000000

>DM\_train638 MKLATLKDSTRDGKLVVVSKDLTRCSEVGHIARTLQAALDDWAHAGPRLERVAEGIETGAQPTMRFH EHDAASPLPRAFQWADGSAYVNHVELVRKARNAEMPASFWTDPLIYQGGSDSFLGPRDPILMADD AWGIDMEGEAAVIVDDVPMGATLDEAKAAIRLVMLVNDVSLRGLIPGELAKGFGFYQSKPSSAFSPV AVTPEELGEAWDGGKLHLPLHVDLNGEPFGRANAGIDMTFDFPQLIVHAARTRPLSAGTIIGSGTVSN KLEGGPGRPVSEGGAGYSCIAELRMIETIEGGAPKTQFLKFGDVVRIEMKDRTGHSIFGAIEQKVGKYER

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>DM\_train639 MGSDKIHHHHHHMAFTPFPPRQPTASARLPLTLMTLDDWALATITGADSEKYMQGQVTADVSQM AEDQHLLAAHCDAKGKMWSNLRLFRDGDGFAWIERRSVREPQLTELKKYAVFSKVTIAPDDERVLLG VAGFQARAALANLFSELPSKEKQVVKEGATTLLWFEHPAERFLIVTDEATANMLTDKLRGEAELNNSQ QWLALNIEAGFPVIDAANSGQFIPQATNLQALGGISFKKGCYTGQEMVARAKFRGANKRALWLLAG SASRLPEAGEDLELKMGENWRRTGTVLAAVKLEDGQVVVQVVMNNDMEPDSIFRVRDDANTLHIE PLPYSLEE 111111111111110000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000001

>DM\_train640 MGSQSETVCVTGASGFIGSWLVMRLLERGYTVRATVRDPTNVKKVKHLLDLPKAETHLTLWKADLAD EGSFDEAIKGCTGVFHVATPMDFESKDPENEVIKPTIEGMLGIMKSCAAAKTVRRLVFTSSAGTVNIQE HQLPVYDESCWSDMEFCRAKKMTAWMYFVSKTLAEQAAWKYAKENNIDFITIIPTLVVGPFIMSSMP PSLITALSPITGNEAHYSIIRQGQFVHLDDLCNAHIYLFENPKAEGRYICSSHDCIILDLAKMLREKYPEY NIPTEFKGVDENLKSVCFSSKKLTDLGFEFKYSLEDMFTGAVDTCRAKGLLPPSHEKPVDGKT 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train641 MVLVIEIIRKHLPRVLKVPATRILLLVLAVIIYGTAGFHFIEGESWTVSLYWTFVTIATVGYGDYSPSTPLG MYFTVTLIVLGIGTFAVAVERLLEFLINREQMKLMGLIDVAKSRHVVICGWSESTLECLRELRGSEVFVLA EDENVRKKVLRSGANFVHGDPTRVSDLEKANVRGARAVIVDLESDSETIHCILGIRKIDESVRIIAEAERY ENIEQLRMAGADQVISPFVISGRLMSRSIDDGYEAMFVQDVLAEESTRRMVEVPIPEGSKLEGVSVLD ADIHDVTGVIIIGVGRGDELIIDPPRDYSFRAGDIILGIGKPEEIERLKNYISA 111111111111111111000000000000000000000000000000000000000000000000000000000 000000000000000000000001111111111111111100000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000

>DM\_train642 PQDVDFHIPLPGRQSPDHARAEAEQLAWPRSLGLIRSDAAAERHLRGGYADLASRFYPHATGADLDL GVDLMSWFFLFDDLFDGPRGENPEDTKQLTDQVAAALDGPLPDTAPPIAHGFADIWRRTCEGMTPA WCARSARHWRNYFDGYVDEAESRFWNAPCDSAAQYLAMRRHTIGVQPTVDLAERAGRFEVPHRV FDSAVMSAMLQIAVDVNLLLLDIASLEKEEARGEQNNMVMILRREHGWSKSRSVSHMQNEVRARLE QYLLLESCLPKVGEIYQLDTAEREALERYRTDAVRTVIRGSYDWHRSSGRYDAEFALAAGAQGYLEELG SSAH 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000111111110000000000000000000000000000000000000000000000000000000000000 000011110000011111111000000000000000000000000000000000000000000000000000000 000000000111111111111111111111111111

>DM\_train643 RENFPGVSWDSLPDELLLGIFSCLCLPELLKVSGVCKRWYRLASDESLWQTLDLTGKNLHPDVTGRLLS QGVIAFRCPRSFMDQPLAEHFSPFRVQHMDLSNSVIEVSTLHGILSQCSKLQNLSLEGLRLSDPIVNTL AKNSNLVRLNLSGCSGFSEFALQTLLSSCSRLDELNLSWCFDFTEKHVQVAVAHVSETITQLNLSGYRK NLQKSDLSTLVRRCPNLVHLDLSDSVMLKNDCFQEFFQLNYLQHLSLSRCYDIIPETLLELGEIPTLKTL QVFGIVPDGTLQLLKEALPHLQINCSHFTTIARPTIGNKKNQEIWGIKCRLTLQKPSCL 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000011111

>DM\_train644 MPVLNLNDPQAVERYEEFMRQSPYGQVTQDLGWAKVKNNWEPVDVYLEDDQGAIIAAMSMLLG DTPTDKKFAYASKGPVMDVTDVDLLDRLVDEAVKALDGRAYVLRFDPEVAYSDEFNTTLQDHGYVT RNRNVADAGMHATIQPRLNMVLDLTKFPDAKTTLDLYPSKTKSKIKRPFRDGVEVHSGNSATELDEFF KTYTTMAERHGITHRPIEYFQRMQAAFDADTMRIFVAEREGKLLSTGIALKYGRKIWYMYAGSMDGN TYYAPYAVQSEMIQWALDTNTDLYDLGGIESESTDDSLYVFKHVFVKDAPREYIGEIDKVLDPEVYAEL VKD

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>DM\_train645 MALSMTGGQQMGRGSMSRDPLPFFPPLYLGGPEITTENCEREPIHIPGSIQPHGALLTADGHSGEVL QMSLNAATFLGQEPTVLRGQTLAALLPEQWPALQAALPPGCPDALQYRATLDWPAAGHLSLTVHR VGELLILEFEPTEAWDSTGPHALRNAMFALESAPNLRALAEVATQTVRELTGFDRVMLYKFAPDATGE VIAEARREGLHAFLGHRFPASDIPAQARALYTRHLLRLTADTRAAAVPLDPVLNPQTNAPTPLGGAVL RATSPMHMQYLRNMGVGSSLSVSVVVGGQLWGLIACHHQTPYVLPPDLRTTLESLGRLLSLQVQVK

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>DM\_train646 MGADIGDLFEREEVELEYFSGKKIAVDAFNTLYQFISIIRQPDGTPLKDSQGRITSHLSGILYRVSNMVEV GIRPVFVFDGEPPEFKKAEIEERKKRRAEAEEMWIAALQAGDKDAKKYAQAAGRVDEYIVDSAKTLLSY MGIPFVDAPSEGEAQAAYMAAKGDVEYTGSQDYDSLLFGSPRLARNLAITGKRKLPGKNVYVDVKPE IIILESNLKRLGLTREQLIDIAILVGTDYNEGVKGVGVKKALNYIKTYGDIFRALKALKVNIDHVEEIRNFFL NPPVTDDYRIEFREPDFEKAIEFLCEEHDFSRERVEKALEKLKALKSTQATLERWF 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000111111111111100000000000000000000000 000000000000000000000000000000000000000000111100000000000000000000000000000 000000000000000000000000111111111111

>DM\_train648 SMGECSQKGPVPFSHCLPTEKLQRCEKIGEGVFGEVFQTIADHTPVAIKIIAIEGPDLVNGSHQKTFEEIL PEIIISKELSLLSGEVCNRTEGFIGLNSVHCVQGSYPPLLLKAWDHYNSTKGSANDRPDFFKDDQLFIVL EFEFGGIDLEQMRTKLSSLATAKSILHQLTASLAVAEASLRFEHRDLHWGNVLLKKTSLKKLHYTLNGKS STIPSCGLQVSIIDYTLSRLERDGIVVFCDVSMDEDLFTGDGDYQFDIYRLMKKENNNRWGEYHPYSN VLWLHYLTDKMLKQMTFKTKCNTPAMKQIKRKIQEFHRTMLNFSSATDLLCQHSLFK 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000

>DM\_train649 MAELKLGYKASAEQFAPRELVELAVAAEAHGMDSATVSDHFQPWRHQGGHAPFSLSWMTAVGER TNRLLLGTSVLTPTFRYNPAVIAQAFATMGCLYPNRVFLGVGTGEALNEIATGYEGAWPEFKERFARLR ESVGLMRQLWSGDRVDFDGDYYRLKGASIYDVPDGGVPVYIAAGGPAVAKYAGRAGDGFICTSGKG EELYTEKLMPAVREGAAAADRSVDGIDKMIEIKISYDPDPELAMNNTRFWAPLSLTAEQKHSIDDPIEM

EKAADALPIEQIAKRWIVASDPDEAVEKVGQYVTWGLNHLVFHAPGHDQRRFLELFQSDLAPRLRRL

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>DM\_train650 MGSDKIHHHHHHMEMRFFVLGAGSWGTVFAQMLHENGEEVILWARRKEIVDLINVSHTSPYVEESKI TVRATNDLEEIKKEDILVIAIPVQYIREHLLRLPVKPSMVLNLSKGIEIKTGKRVSEIVEEILGCPYAVLSGPS HAEEVAKKLPTAVTLAGENSKELQKRISTEYFRVYTCEDVVGVEIAGALKNVIAIAAGILDGFGGWDNA KAALETRGIYEIARFGMFFGADQKTFMGLAGIGDLMVTCNSRYSRNRRFGELIARGFNPLKLLESSNQV VEGAFTVKAVMKIAKENKIDMPISEEVYRVVYEGKPPLQSMRDLMRRSLKDEFWAS 111111111111100000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000001111111111

>DM\_train651 GVLAPVVPGKALEFPQDFGAHNDFRIEWWYVTGWLETPTGKPLGFQITFFRTATEIDRDNPSHFAPD QLIIAHVALSDPAIGKLQHDQKIARAGFDLAYARTGNTDVKLDDWIFVRETDGRYRTRIEAEDFTLTFIL TPSQPLMLQGENGFSRKGPGAPQASYYYSEPHLQVSGIINRQGEDIPVTGTAWLDREWSSEYLDPNA AGWDWISANLDDGSALMAFQIRGKDDSKIWAYAALRDASGHTRLFTPDQVSFHPIRTWRSARTQA VYPVATRVLTGETEWQITPLMDDQELDSRASAGAVYWEGAVTFTRDGQPAGRGYMELTGYVRPLS

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>DM\_train652 CSSLSIRTTDDKSLFARTMDFTMEPDSKVIIVPRNYGIRLLEKENVVINNSYAFVGMGSTDITSPVLYDG VNEKGLMGAMLYYATFATYADEPKKGTRGINPVYVISQVLGNCVTVDDVIEKLTSYTLLNEANIILGFA PPLHYTFTDASGESIVIEPDKTGITIHRKTIGVMTASPGYEWHQTNLRAYIGVTPNPPQDIMMGDLDLT PFGQGAGGLGLPGDFTPSARFLRVAYWKKYTEKAKNETEGVTNLFHILSSVNIPKGVVLTNEGKTDYTI YTSAMCAQSKNYYFKLYDNSRISAVSLMAENLNSQDLITFEWDRKQDIKQLNQVNVMS 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000111111

>DM\_train653 MNDSSVIYRAIVTSKFRTEKMLNFYNSIGSGPDKNTIFITFGRSEPWSSNENEVGFAPPYPTDSVLGVT DMWTHMMGTVKVLPSMLDAVIPRRDWGDTRYPDPYTFRINDIVVCNSAPYNATESGAGWLVYRCL

DVPDTGMCSIASLTDKDECLKLGGKWTPSARSMTPPEGRGDAEGTIEPGDGYVWEYLFEIPPDVSINR CTNEYIVVPWPEELKEDPTRWGYEDNLTWQQDDFGLIYRVKANTIRFKAYLDSVYFPEAALPGNKGFR QISIITNPLEAKAHPNDPNVKAEKDYYDPEDLMRHSGEMIYMENRPPIIMAMDQTEEINILFTF

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>DM\_train654 GRRRRSVQWCAVSQPEATKCFQWQRNMRRVRGPPVSCIKRDSPIQCIQAIAENRADAVTLDGGFIY EAGLAPYKLRPVAAEVYGTERQPRTHYYAVAVVKKGGSFQLNELQGLKSCHTGLRRTAGWNVPIGTL RPFLNWTGPPEPIEAAVARFFSASCVPGADKGQFPNLCRLCAGTGENKCAFSSQEPYFSYSGAFKCLR DGAGDVAFIEESTVFEDLSDEAERDEYELLCPDNTRKPVDKFKDCHLARVPSHAVVARSVNGKEDAI WNLLRQAQEKFGKDKSPKFQLFGSPSGQKDLLFKDSAIGFSRVPPRIDSGLYLGSGYFTAIQNLRK 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000011111111111111111111

>DM\_train655 MSEFLTPERTVYDSGVQFLRPKSLDEFIGQENVKKKLSLALEAAKMRGEVLDHVLLAGPPGLGKTTLAH IIASELQTNIHVTSGPVLVKQGDMAAILTSLERGDVLFIDEIHRLNKAVEELLYSAIEDFQIDIMIGKGPSA KSIRIDIQPFTLVGATTRSGLLSSPLRSRFGIILELDFYTVKELKEIIKRAASLMDVEIEDAAAEMIAKRSRGT PRIAIRLTKRVRDMLTVVKADRINTDIVLKTMEVLNIDDEGLDEFDRKILKTIIEIYRGGPVGLNALAASLG VEADTLSEVYEPYLLQAGFLARTPRGRIVTEKAYKHLKYEVPENRLF 111111111111111100000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000001111111111111110000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000011111

>DM\_train656 MVYVSNKYLTMSEMKVNAQYILNYLSSNGWTKQAICGMLGNMQSESTINPGLWQNLDEGNTSLGF GLVQWTPASNYINWANSQGLPYKNMDSELKRIIWEVNNNAQWINLRDMTFKEYIKSTKTPRELAMIF LASYERPANPNQPERGDQAEYWYKNLSGGGGGGLQLAQFPMDIINISQGENGSFSHKGTLCIDFVG KTEKYPYYAPCDCTCVWRGDASAYLAWTSDKEVMCADGSVRYITWVNVHESPLPFDVGKKLKKGDL MGHTGIGGNVTGDHWHFNVIDGKEYQGWTKKPDSCLAGTELHIYDVFAVNNVEIINGNGYDWKTS DWQDG 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000111111000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000011110000000000000000000000000 0000000000000000000000000000000000

>DM\_train657 NHKSKKRIREAKRSARPELKDSLDWTRHNYYESFSLSPAAVADNVERADALQLSVEEFVERYERPYKPV

VLLNAQEGWSAQEKWTLERLKRKYRNQKFKCGEDNDGYSVKMKMKYYIEYMESTRDDSPLYIFDSSY GEHPKRRKLLEDYKVPKFFTDDLFQYAGEKRRPPYRWFVMGPPRSGTGIHIDPLGTSAWNALVQGHK RWCLFPTSTPRELIKVTRDEGGNQQDEAITWFNVIYPRTQLPTWPPEFKPLEILQKPGETVFVPGGWW HVVLNLDTTIAITQNFASSTNFPVVWHKTVRGRPKLSRKWYRILKQEHPELAVLADSVDLQES

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>DM\_train658 MKVKVGVNGYGTIGKRVAYAVTKQDDMELIGITKTKPDFEAYRAKELGIPVYAASEEFIPRFEKEGFEVA GTLNDLLEKVDIIVDATPGGIGAKNKPLYEKAGVKAIFQGGEKADVAEVSFVAQANYEAALGKNYVRV VSCNTTGLVRTLSAIREYADYVYAVMIRRAADPNDTKRGPINAIKPTVEVPSHHGPDVQTVIPINIETM AFVVPTTLMHVHSVMVELKKPLTKDDVIDIFENTTRVLLFEKEKGFDSTAQIIEFARDLHREWNNLYEIA VWKESINIKGNRLFYIQAVHQESDVIPENIDAIRAMFELADKWDSIKKTNKSLGILK 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000001

>DM\_train

>DM\_train660 MKVRIATYASHSALQILKGAKDEGFETIAFGSSKVKPLYTKYFPVADYFIEEKYPEEELLNLNAVVVPTGS FVAHLGIELVENMKVPYFGNKRVLRWESDRNLERKWLKKAGIRVPEVYEDPDDIEKPVIVKPHGAKGG KGYFLAKDPEDFWRKAEKFLGIKRKEDLKNIQIQEYVLGVPVYPHYFYSKVREELELMSIDRRYESNVDA IGRIPAKDQLEFDMDITYTVIGNIPIVLRESLLMDVIEAGERVVKAAEELMGGLWGPFCLEGVFTPDLEF VVFEISARIVAGTNIFVNGSPYTWLRYDRPVSTGRRIAMEIREAIENDMLEKVLT 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000011111000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000

>DM\_train661 ETVLADRFERLVELVTMMGDQGELPIAMALANVVPCSQWDELARVLVTLFDSRHLLYQLLWNMFSK

EVELADSMQTLFRGNSLASKIMTFCFKVYGATYLQKLLDPLLRIVITSSDWQHVSFEVDPTRLEPSESLE ENQRNLLQMTEKFFHAIISSSSEFPPQLRSVCHCLYQVVSQRFPQNSIGAVGSAMFLRFINPAIVSPYE AGILDKKPPPIIERGLKLMSKILQSIANHVLFTKEEHMRPFNDFVKSNFDAARRFFLDIASDCPTSDAVN HSLSFISDGNVLALHRLLWNNQEKIGQYLSSNRDHKAVGRRPFDKMATLLAYLGPPEH

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>DM\_train664 MSEPSEKKQKVATSSLEQLKKAGTHVVADSGDFEAISKYEPQDSTTNPSLILAASKLEKYARFIDAAVEY GRKHGKTDHEKIENAMDKILVEFGTQILKVVPGRVSTEVDARLSFDKKATVKKALHIIKLYKDAGVPKER VLIKIASTWEGIQAARELEVKHGIHCNMTLLFSFTQAVACAEANVTLISPFVGRIMDFYKALSGKDYTAE TDPGVLSVKKIYSYYKRHGYATEVMAASFRNLDELKALAGIDNMTLPLNLLEQLYESTDPIENKLNSES AKEEGVEKVSFINDEPHFRYVLNEDQMATEKLSDGIRKFSADIEALYKLVEEKM 111111111110000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000111110000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000

>DM\_train

>DM\_train666 MTHSPSFLQHALSSSDTRAEWPLPGGLAARWLAPGCVELNGDARGADSVLLSCGVHGNETAPIEVV DGMLTDIAAGQLALNCRLLVMFANLDAIRQGVRYGNYDMNRLFNGAHARHPELPESVRAAELETLA AEFFAGARARKLHYDLHTAIRGSVFEKFAIYPFLHDGRTHKREQLAWLQRCGIEAVLLHTQPANTFSYF TSQYCEADAFTLELGKARPFGQNDLSRFSGIDGALRGLLSNPQANVPDLDEDKLPLFRAKYDLVKHSE AFKLNLADSVENFTLLPDGMLIAEDGAVRYQATGGEERILFPNPAVKPGLRAGIVVEPARLPSR 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000011111110000000000000000000011111000 000000000000011111110000000000011

>DM\_train667 SLSQTTNIKEQTDTGLAPPAPAITTNSAAIEEQANSSIRKLYHTLNTMPNTSMADRISQISAYFKGTKYIL

GSLGEGPNARYDQFPRYRVDGFDCDTYVNTVLSLALANSLESFQECLKHTRYKNGKRSYINRNHFTSI DWNNYNQKRGLLKDITFSIRNEKKQPVALYANALINKPQWYNHKTIDTIRLQKQDKNEQEKRLVELK AKGKTLETSLSNVPYIPFTALFSENKPNLHLFSQIPNGAVIEIIRPNWDLRQQIGTELDISHLGFAIWINN ELFFRQASSQYGKVVDVSLIDYLDKARSSPTIKGINIQVVLPEKPVSNGCQLFDIR

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>DM\_train668 GLVPRGSHMTGRMLTLDGNPAANWLNNARTKWSASRADVVLSYQQNNGGWPKNLDYNSVGNG GGGNESGTIANGATITEMVFLAEVYKSGGNTKYRDAVRKAANFLVNSQYSTGALPQFYPLKGGYSDH ATFNDNGMAYALTVLDFAANKRAPFDTDVFSDNDRTRFKTAVTKGTDYILKAQWKQNGVLTVWCA QHGALDYQPKKARAYELESLSGSESVGVLAFLMTQPQTAEIEQAVRAGVAWFNSPRTYLEGYTYDSS LAATNPIVPRAGSKMWYRFYDLNTNRGFFSDRDGSKFYDITQMSLERRTGYSWGGNYGTSIINFAQK VGYL 111111111110000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000

>DM\_train669 MHHHHHHGSTSLYKKAGSETLYIQGMAEFPASLLILNGKSTDNLPLREAIMLLREEGMTIHVRVTWEK GDAARYVEEARKFGVATVIAGGGDGTINEVSTALIQCEGDDIPALGILPLGTANDFATSVGIPEALDKA LKLAIAGDAIAIDMAQVNKQTCFINMATGGFGTRITTETPEKLKAALGSVSYIIHGLMRMDTLQPDRCE IRGENFHWQGDALVIGIGNGRQAGGGQQLCPNALINDGLLQLRIFTGDEILPALVSTLKSDEDNPNIIE GASSWFDIQAPHDITFNLDGEPLSGQNFHIEILPAALRCRLPPDCPLLRSTHHHHHH 111111111111111111111111111110000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000011111111111111000000000000000000000000000000000000000 000000000000000000000000000111111111111111111000000000000000000000000000000 00000000000000000000000000111111

>DM\_train

>DM\_train671

GMSEAPHLTFDLDTPGVSTGHLVVPKGADCEALSLPVFSCNRGEGPSLLITGGNHGNELQGPILARRL VKWLPEAQRCGRIIIVPEINPLAVQAWTRNTPIDGKNLNRVFPGRSDGSVSERIADAISRLLLPVVDTVL DLHSFGPTWDCAPSIISHPIADIDQMTKTVSISKAFKLPVTLLWEHNETDGMFDTLVHRQGKTFICTEF GGGVVSAEALTIYEAGVRNGLIALGLVKGKAEYPTFRQQKTGQTLETTSSDQLKSPSPGIFEPRCSVMD EVEQGDVVGVLHPMGSLSAASIDIRAQSKSTVFAIRSAMYVQGNEEVAILARPLAR

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>DM\_train672 MGSVSKANVPKIDVSPLFGDDQAAKMRVAQQIDAASRDTGFFYAVNHGINVQRLSQKTKEFHMSIT PEEKWDLAIRAYNKEHQDQVRAGYYLSIPGKKAVESFCYLNPNFTPDHPRIQAKTPTHEVNVWPDET KHPGFQDFAEQYYWDVFGLSSALLKGYALALGKEENFFARHFKPDDTLASVVLIRYPYLDPYPEAAIKT AADGTKLSFEWHEDVSLITVLYQSNVQNLQVETAAGYQDIEADDTGYLINCGSYMAHLTNNYYKAPI HRVKWVNAERQSLPFFVNLGYDSVIDPFDPREPNGKSDREPLSYGDYLQNGLVSLINKNGQT 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000011111111

>DM\_train673 MLKQPIQAQQLIELLKVHYGIDIHTAQFIQGGADTNAFAYQADSESKSYFIKLKYGYHDEINLSIIRLLH DSGIKEIIFPIHTLEAKLFQQLKHFKIIAYPFIHAPNGFTQNLTGKQWKQLGKVLRQIHETSVPISIQQQLR KEIYSPKWREIVRSFYNQIEFDNSDDKLTAAFKSFFNQNSAAIHRLVDTSEKLSKKIQPDLDKYVLCHSDI HAGNVLVGNEESIYIIDWDEPMLAPKERDLMFIGGGVGNVWNKPHEIQYFYEGYGEINVDKTILSYYR HERIVEDIAVYGQDLLSRNQNNQSRLESFKYFKEMFDPNNVVEIAFATEQ 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000001

>DM\_train674 MHNHNNRLVITPGEPAGVGPDLAITLAQQDWPVELVVCADPALLLARASQLNLPLQLREYQADQP AIAQQAGSLTILPVKTAVNVVPGKLDVGNSHYVVETLAKACDGAISGEFAALVTGPVQKSIINDAGIPFI GHTEFFADRSHCQRVVMMLATEELRVALATTHLPLLAVPGAITQASLHEVITILDNDLKTKFGITQPQI YVCGLNPHAGEGGHMGHEEIDTIIPALNTLRQQGINLIGPLPADTLFQPKYLQHADAVLAMYHDQGL PVLKYQGFGRAVNITLGLPFIRTSVDHGTALELAATGTADVGSFITALNLAIKMINNSNE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000011

>DM\_train675

GMQKPHLLITSAGRRAKLVEYFVKEFKTGRVSTADCSPLASALYMADQHYIVPKIDEVEYIDHLLTLCQ DEGVTALLTLIDPELGLLAQATERFQAIGVTVIVSPYAACELCFDKYTMYEYCLRQGIAHARTYATMAS FEEALAAGEVQLPVFVKPRNGSASIEVRRVETVEEVEQLFSKNTDLIVQELLVGQELGVDAYVDLISGKV TSIFIKEKLTMRAGETDKSRSVLRDDVFELVEHVLDGSGLVGPLDFDLFDVAGTLYLSEINPRFGGGYPH AYECGVNFPAQLYRNLMHEINVPQIGQYLDDIYMLKHDTVTLISAAELQKIKR

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>DM\_train676 GMELKSAEEKSLYYRNKIKEVIDEVGKVVVGQKYMINRLLIGICTGGHILLEGVPGLAKTLSVNTLAKTM DLDFHRIQFTPDLLPSDLIGTMIYNQHKGNFEVKKGPVFSNFILADEVNRSPAKVQSALLECMQEKQV TIGDTTYPLDNPFLVLATQNPVEQEGTYPLPEAQVDRFMMKIHLTYLDKESELEVMRRVSNMNFNYQ VQKIVSKNDVLEIRNEINKVTISESLEKYIIELVFATRFPAEYGLEAEASYILYGASTRAAINLNRVAKAMAF FNNRDYVLPEDIKEVAYDILNHRIILNYEAEAEGISTRQIIETILRKVNITKA 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000001

>DM\_train677 MVPPTINTGKNITTERAVLTLNGLQIKLHKVVGESRDDIVAKMKDLAMDDHKFPRLPGPNPVSIERKD FEKLKQNKYVVSEKTDGIRFMMFFTRVFGFKVCTIIDRAMTVYLLPFKNIPRVLFQGSIFDGELCVDIVEK KFAFVLFDAVVVSGVTVSQMDLASRFFAMKRSLKEFKNVPEDPAILRYKEWIPLEHPTIIKDHLKKANAI YHTDGLIIMSVDEPVIYGRNFNLFKLKPGTHHTIDFIIMSEDGTIGIFDPNLRKNVPVGKLDGYYNKGSIV ECGFADGTWKYIQGRSDKNQANDRLTYEKTLLNIEENITIDELLDLFKWE 111111111100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000111

>DM\_train678 MKTAYIAKQRQISFVKSHFSRQLEERLGLIEVQAPILSRVGDGTQDNLSGAEKAVQVKVKALPDAQFE VVHSLAKWKRQTLGQHDFSAGEGLYTHMKALRPDEDRLSPLHSVYVDQWDWERVMGDGERQFST LKSTVEAIWAGIKATEAAVSEEFGLAPFLPDQIHFVHSQELLSRYPDLDAKGRERAIAKDLGAVFLVGIG GKLSDGHRHDVRAPDYDDWSTPSELGHAGLNGDILVWNPVLEDAFELSSMGIRVDADTLKHQLALT GDEDRLELEWHQALLRGEMPQTIGGGIGQSRLTMLLLQLPHIGQVQAGVWPAAVRESVPSLL 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000

>DM\_train679

MQPQSVLHSGYFHPLLRAWQTATTTLNASNLIYPIFVTDVPDDIQPITSLPGVARYGVKRLEEMLRPLV EEGLRCVLIFGVPSRVPKDERGSAADSEESPAIEAIHLLRKTFPNLLVACDVCLCPYTSHGHCGLLSENG AFRAEESRQRLAEVALAYAKAGCQVVAPSDMMDGRVEAIKEALMAHGLGNRVSVMSYSAKFASCFY GPFRDAAKSSPAFGDRRCYQLPPGARGLALRAVDRDVREGADMLMVKPGMPYLDIVREVKDKHPDL PLAVYHVSGEFAMLWHGAQAGAFDLKAAVLEAMTAFRRAGADIIITYYTPQLLQWLKEE

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>DM\_train680 MLALGIEGTAHTLGIGIVSEDKVLANVFDTLTTEKGGIHPKEAAEHHARLMKPLLRKALSEAGVSLDDID VIAFSQGPGLGPALRVVATAARALAVKYRKPIVGVNHCIAHVEITKMFGVKDPVGLYVSGGNTQVLAL EGGRYRVFGETLDIGIGNAIDVFARELGLGFPGGPKVEKLAEKGEKYIELPYAVKGMDLSFSGLLTEAIRK YRSGKYRVEDLAYSFQETAFAALVEVTERAVAHTEKDEVVLVGGVAANNRLREMLRIMTEDRGIKFFV PPYDLCRDNGAMIAYTGLRMYKAGISFRLEETIVKQKFRTDEVEIVWHHHHHH 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000011111

>DM\_train681 MIKISYSPYTLKPVQSLNAATAATAREGVLLKVEWNDGLYGFADLHPWPELGDLSLEEQLSDLRMGR MTTQIEQSIWLARRDALLRKEKKHVFDGGEKIKNNYLLSHFQDLKPGFLDGLKNEGYNTVKVKMGRD LQKEADMLTHIAASGMRMRLDFNALGSWQTFEKFMVNLPLTVRPLIEYVEDPFPFDFHAWGEARKL AKIALDNQYDKVPWGKIASAPFDVIVIKPAKTDVDKAVAQCQKWNLKLAVTSYMDHPVGVVHAVG VAMELKDKYGDMILESGCLTHRLYQMDSFAAELSTQGPYLLKNKGTGVGFDKLLEALTWYQLKVR 110000000000001111111111000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000011

>DM\_train682 MTTSDLVAGELAGDGLRDTRPGDTWLADRSWNRPGWTVAELEAAKAGRTISVVLPALDEEDTIGSVI DSISPLVDGLVDELIVLDSGSTDDTEIRAVAAGARVVSREQALPEVPIRPGKGEALWRSLAASRGDIVVF VDSDLINPHPMFVPWLVGPLLTGDGVHLVKSFYRRPLNVGDAGGGAGATGGGRVTELVARPLLAAL RPELGCILQPLGGEYAATRELLTSVPFAPGYGVEIGLLVDTFDRLGLDAIAQVNLGVREHRNRPLAELG AMSRQVIATLLSRCGIPDSGVGLTQFVADGPEGQSYTQHTWPVSLADRPPMQAIRPR 111111111111110000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000001111111111111110000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000

>DM\_train683

TGLGELKISDTICAQNAVEALPALSVDEPTVTMTFQVNTSPFAGKEGKFVTSRNILERLEKELVHNVALR VEQTDDPDKFRVSGRGELHLSILIENMRREGFELAVSRPEVIIKEEDGQLMEPFETVTIDVMEEHQGGI MENIGLRKGELKDMAPDGKGRVRMDFIMPSRGLIGFQTEFMTLTSGSGLLYHTFDHYGPHKGGNIG QRVNGVLIANAAGKALTNALFNLQERGRLFIGHGVEVYEGMVIGIHSRDNDLTVNALKGKQLTNVRA SGTDDAQVLTPPIVMTLEQALEFIDDDELVEVTPESIRIRKKFLTESDRKRASRSAK 111111111111111111111111100000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000001111111111111100000000000000000000000 00000000000000000000000001111

>DM\_train684 GSLIGLMKDAFQPHHHHHHHLSPHPPGTVDKKMVEKCWKLMDKVVRLCQNPKLALKNSPPYILDLL PDTYQHLRTILSRYEGKMETLGENEYFRVFMENLMKKTKQTISLFKEGKERMYEENSQPRRNLTKLSLIF SHMLAELKGIFPSGLFQGDTFRITKADAAEFWRKAFGEKTIVPWKSFRQALHEVHPISSGLEAMALKSTI DLTCNDYISVFEFDIFTRLFQPWSSLLRNWNSLAVTHPGYMAFLTYDEVKARLQKFIHKPGSYIFRLSCT RLGQWAIGYVTADGNILQTIPHNKPLFQALIDGFREGFYLFPDGRNQNPDLTG 111111111111111111111111000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000

>DM\_train685 APPPVPKTPAGPLTLSGQGSFFVGGRDVTSETLSLAPKYDAHGTVTVDQMYVRYQIPQRAKRYPITLI HGCCLTGMTWETTPDGRMGWDEYFLRKGYSTYVIDQSGRGRSATDISAINAVKLGKAPASSLPDLFA AGHEAAWAIFRFGPRYPDAFKDTQFPVQAQAELWQQMVPDWLGSMPTPNPTVANLSKLAIKLDGT VLLSHSQSGIYPFQTAAMNPKGITAIVSVEPGECPKPEDVKPLTSIPVLVVFGDHIEEFPRWAPRLKACH AFIDALNAAGGKGQLMSLPALGVHGNSHMMMQDRNNLQVADLILDWIGRNTAKPAHGR 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000001111111

>DM\_train687 MDTWMVLLGLQILLLPLLAHCTAPASTLRFVAVGDWGGVPNAPFHTAREMANAKEIARTVQIMGA DFIMSLGDNFYFTGVHDANDKRFQETFEDVFSDRALRNIPWYVLAGNHDHLGNVSAQIAYSKISKR WNFPSPYYRLRFKVPRSNITVAIFMLDTVMLCGNSDDFVSQQPEMPRDLGVARTQLSWLKKQLAAA KEDYVLVAGHYPIWSIAEHGPTRCLVKNLRPLLAAYGVTAYLCGHDHNLQYLQDENGVGYVLSGAG NFMDPSVRHQRKVPNGYLRFHYGSEDSLGGFTYVEIGSKEMSITYVEASGKSLFKTSLPRRPRP 111111111111111111111111100000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000

>DM\_train689

MIEIKDKQLTGLRFIDLFAGLGGFRLALESCGAECVYSNEWDKYAQEVYEMNFGEKPEGDITQVNEKTI PDHDILCAGFPCQAFSISGKQKGFEDSRGTLFFDIARIVREKKPKVVFMENVKNFASHDNGNTLEVVK NTMNELDYSFHAKVLNALDYGIPQKRERIYMICFRNDLNIQNFQFPKPFELNTFVKDLLLPDSEVEHLV IDRKDLVMTNQEIEQTTPKTVRLGIVGKGGQGERIYSTRGIAITLSAYGGGIFAKTGGYLVNGKTRKLHP RECARVMGYPDSYKVHPSTSQAYKQFGNSVVINVLQYIAYNIGSSLNFKPY

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>DM\_train690 HLIPAQQRTVEHLDAMQWINGDGYLHNVFVRWFNGDVIRPKTWFWQDVKTRKILGWRCDVSENI DSIRLSFMDVVTRYGIPEDFHITIDNTRGAANKWLTGGAPNRYRFKVKEDDPKGLFLLMGAKMHWTS VVAGKGWGQAKPVERAFGVGGLEEYVDKHPALAGAYTGPNPQAKPDNYGDRAVDAELFLKTLAEG VAMFNARTGRETEMCGGKLSFDDVFEREYARTIVRKPTEEQKRMLLLPAEAVNVSRKGEFTLKVGGSL KGAKNVYYNMALMNAGVKKVVVRFDPQQLHSTVYCYTLDGRFICEAECLAPVAFNDAAAGREY 111111111100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000001111111100000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000011111111111111

>DM\_train691 MENEKILNPIIIQRADPMIYKHNDGYYYFTASVPEYDRIEVRKAKTIEGLRNAEPVDVWRRHESGEMSN LIWAPEIHFINGAWYIYFAAAPDKNIEDDTFNHRMFVIQNENENPFTGNWVEKGRIKTAWESFSLDAT IFEHNEKLYYVWAQQDINIKGHSNIYIAEMENPWTLKTKPVMLTKPELEWEIKGFWVNEGPAVLKKNG KIFITYSASATDVNYCIGMLTAEENSNLLDKNSWTKSQTPVFKTSMENHQYGPGHNSFTVSEDGKHD VIVYHARNYTEIKGDPLYDPNRHTRAQIINWREDGTPDFGVPEVDSLEIETPVKA 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000011111111

>DM\_train692 LDGVLVPESGILVSVGQDVDSVNDYASALGTIPAGVTNYVGIVNLDGLNSDADAGAGRNNIAELAN AYPTSALVVGVSMNGEVDAVASGRYNANIDTLLNTLAGYDRPVYLRWAYEVDGPWNGHSPSGIVTS FQYVHDRIIALGHQAKISLVWQVASYCPTPGGQLDQWWPGSEYVDWVGLSYFAPQDCNWDRVNE AAQFARSKGKPLFLNESTPQRYQVADLTYSADPAKGTNRQSKTSQQLWDEWFAPYFQFMSDNSDI VKGFTYINADWDSQWRWAAPYNEGYWGDSRVQANALIKSNWQQEIAKGQYINHSETLFETLGYGS

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>DM\_train693 MRGSHHHHHHTDPINKDIYQALQQLIPNEKIKVDEPLKRYTYTKTGGNADFYITPTKNEEVQAVVKYA YQNEIPVTYLGNGSNIIIREGGIRGIVISLLSLDHIEVSDDAIIAGSGAAIIDVSRVARDYALTGLEFACGIP GSIGGAVYMNAGAYGGEVKDCIDYALCVNEQGSLIKLTTKELELDYRNSIIQKEHLVVLEAAFTLAPGK MTEIQAKMDDLTERRESKQPLEYPSCGSVFQRPPGHFAGKLIQDSNLQGHRIGGVEVSTKHAGFMV NVDNGTATDYENLIHYVQKTVKEKFGIELNREVRIIGEHPKESLQPSLIS 111111111111110000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000111111111

>DM\_train694 MSATSTATSTSASQLHLNSTPVTHCLSDIVKKEDWSDFKFAPIRESTVSRAMTSRYFKDLDKFAVSDVII VGAGSSGLSAAYVIAKNRPDLKVCIIESSVAPGGGSWLGGQLFSAMVMRKPAHLFLQELEIPYEDEGD YVVVKHAALFISTVLSKVLQLPNVKLFNATCVEDLVTRPPTEKGEVTVAGVVTNWTLVTQAHGTQCA MDPNVIELAGYKNDGTRDLSQKHGVILSTTGHDGPFGAFCAKRIVDIDQNQKLGGMKGLDMNHAE HDVVIHSGAYAGVDNMYFAGMEVAELDGLNRMGPTFGAMALSGVHAAEQILKHFAA 111111111111111000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000001111000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000

>DM\_train695 MGSSSSGRENLYFQGHMFFTDWEGPWILTDFALELCMAVFNNARFFSNLSEYDDYLAYEVRREGYEA GYTLKLLTPFLAAAGVKNRDVERIAELSAKFVPDAEKAMATLQERWTPVVISTSYTQYLRRTASMIGVR GELHGTEVDFDSIAVPEGLREELLSIIDVIASLSGEELFRKLDELFSRSEVRKIVESVKAVGAGEKAKIMRGY CESKGIDFPVVVGDSISDYKMFEAARGLGGVAIAFNGNEYALKHADVVIISPTAMSEAKVIELFMERKE RAFEVLSAVSIPETEIYIMENSDFGEVLEKSKRMRVRLRGLAGELGGS 111111111111100000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000

>DM\_train696 MVVVGLDVGYGDTKVIGVDGKRIIFPSRWAVTETESWGIGGKIPVLSTDGGQTKFIYGKYASGNNIRV PQGDGRLASKEAFPLIAAALWESGIHNDGSPVDLVIGSGTPLGTFDLEVKAAKEALENKVLTVTGPEGE VRQFNITRLIMRPQGVGAALYLLNQGIIEQQPGYGVVIDVGSRTTDVLTINLMDMEPVVELSFSLQIGV GDAISALSRKIAKETGFVVPFDLAQEALSHPVMFRQKQVGGPEVSGPILEDLANRIIENIRLNLRGEVDR VTSLIPVGGGSNLIGDRFEEIAPGTLVKIKPEDLQFANALGYRDAAERSM 000000000000000000000000000000000000011110000000000000000000000000000000000 000000000000000000001110000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000001

>DM\_train698 MRVLIVKTSSMGDVLHTLPALTDAQQAIPGIKFDWVVEEGFAQIPSWHAAVERVIPVAIRRWRKAWF SAPIKAERKAFREALQAKNYDAVIDAQGLVKSAALVTRLAHGVKHGMDWQTAREPLASLFYNRKHHI AKQQHAVERTRELFAKSLGYSKPQTQGDYAIAQHFLTNLPTDAGEYAVFLHATTRDDKHWPEEHWR ELIGLLADSGIRIKLPWGAPHEEERAKRLAEGFAYVEVLPKMSLEGVARVLAGAKFVVSVDTGLSHLTA ALDRPNITVYGPTDPGLIGGYGKNQMVCRAPGNELSQLTANAVKQFIEENAEKAAMI 000000000000000000000000000000000000000000000000000000000000000011111111110 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000011111000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000001111111100000000 00000000000000000000000000

>DM\_train699 GMRKPKITVIGGGTGSPVILKSLREKDVEIAAIVTVADDGGSSGELRKNMQQLTPPGDLRNVLVAMSD MPKFYEKVFQYRFSEDAGAFAGHPLGNLIIAGLSEMQGSTYNAMQLLSKFFHTTGKIYPSSDHPLTLH AVFQDGTEVAGESHIVDHRGIIDNVYVTNALNDDTPLASRRVVQTILESDMIVLGPGSLFTSILPNIVIK EIGRALLETKAEIAYVCNIMTQRGETEHFTDSDHVEVLHRHLGRPFIDTVLVNIEKVPQEYMNSNRFDE YLVQVEHDFVGLCKQVSRVISSNFLRLENGGAFHDGDLIVDELMRIIQVKK 100000000000000000000000000000000000001111111111111111110000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000011

>DM\_train700 MILGIDIGGANTKITELHENGEFKVHHLYFPMWKNNDKLAEVLKTYSNDVSHVALVTTAELADSYETK KEGVDNILNAAESAFGSNISVFDSNGNFISLESAKTNNMKVSASNWCGTAKWVSKNIEENCILVDMG STTTDIIPIVEGKVVAEKTDLERLMNHELLYVGTLRTPISHLGNTISFKGVDTNVSSEYFAITADISVVLEK VTTEEYTCDTPDGKGTDKRSSLVRISKVLCSDLDQISEIDAENIAKNYYELWKELILENVENVAEKYGSKK VVITGLGENILKDALADFEVISVAERYGKDVSLATPSFAVAELLKNEL 000000001100000000000000000011111111111111111111100000000001111110000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000

>DM\_train701 SQLVECVPNFSEGKNQEVIDAISRAVAQTPGCVLLDVDSGPSTNRTVYTFVGRPEDVVEGALNAARA AYQLIDMSRHHGEHPRMGALDVCPFIPVRGVTMDECVRCAQAFGQRLAEELGVPVYLYGEAARTAG RQSLPALRAGEYEALPEKLKQAEWAPDFGPSAFVPSWGATVAGARKFLLAFNINLLSTREQAHRIALD LREQGRGKDQPGRLKKVQAIGWYLDEKNLAQVSTNLLDFEVTGLHTVFEETCREAQELSLPVVGSQL VGLVPLKALLDAAAFYCEKENLFLLQDEHRIRLVVNRLGLDSLAPFKPKERIIEYLV 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000001111110000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000

>DM\_train702 LQTLPPVQLAQKYFQIFSEEKDPLWQDPCEDKRHKDIWSKEKTCDRFPKLLIIGPQKTGTTALYLFLGM HPDLSSNYPSSETFEEIQFFNGHNYHKGIDWYMEFFPIPSNTTSDFYFEKSANYFDSEVAPRRAAALLP KAKVLTILINPADRAYSWYQHQRAHDDPVALKYTFHEVITAGSDASSKLRALQNRCLVPGWYATHIER WLSAYHANQILVLDGKLLRTEPAKVMDMVQKFLGVTNTIDYHKTLAFDPKKGFWCQLLEGGKTKCL GKSKGRKYPEMDLDSRAFLKDYYRDHNIELSKLLYKMGQTLPTWLREDLQNTR 111111111111111111111000000001111111111111100000000000000000000000000000000 000000000000000000000000000000001111100000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000111

>DM\_train703 GMKEIRIILMGTGNVGLNVLRIIDASNRRRSAFSIKVVGVSDSRSYASGRNLDISSIISNKEKTGRISDRAF SGPEDLMGEAADLLVDCTPASRDGVREYSLYRMAFESGMNVVTANKSGLANKWHDIMDSANQNS KYIRYEATVAGGVPLFSVLDYSILPSKVKRFRGIVSSTINYVIRNMANGRSLRDVVDDAIKKGIAESNPQ DDLNGLDAARKSVILVNHIFGTEYTLNDVEYSGVDERSYNANDRLVTEVYVDDRRPVAVSRIISLNKD DFLMSIGMDGLGYQIETDSNGTVNVSDIYDGPYETAGAVVNDILLLSKVQK 110000000000000000000000000000110000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000011

>DM\_train704 MGSDKIHHHHHHRTKDQYYELRDFALGTSVRIVVSSQKINPRTIAEAILEDMKRITYKFSFTDERSVVKK INDHPNEWVEVDEETYSLIKAACAFAELTDGAFDPTVGRLLELWGFTGNYENLRVPSREEIEEALKHTG YKNVLFDDKNMRVMVKNGVKIDLGGIAKGYALDRARQIALSFDENATGFVEAGGDVRIIGPKFGKYP WVIGVKDPRGDDVIDYIYLKSGAVATSGDYERYFVVDGVRYHHILDPSTGYPARGVWSVTIIAEDATT ADALSTAGFVMAGKDWRKVVLDFPNMGAHLLIVLEGGAIERSETFKLFERE 111111111111111100000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000

>DM\_train705 MAMSQQDLPTLFYSGKSNSAVPIISESELQTITAEPWLEISKKGLQLEGLNFDRQGQLFLLDVFEGNIFK INPETKEIKRPFVSHKANPAAIKIHKDGRLFVCYLGDFKSTGGIFAATENGDNLQDIIEDLSTAYCIDDM VFDSKGGFYFTDFRGYSTNPLGGVYYVSPDFRTVTPIIQNISVANGIALSTDEKVLWVTETTANRLHRIA LEDDGVTIQPFGATIPYYFTGHEGPDSCCIDSDDNLYVAMYGQGRVLVFNKRGYPIGQILIPGRDEGH MLRSTHPQFIPGTNQLIICSNDIEMGGGSMLYTVNGFAKGHQSFQFQ 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000

>DM\_train706 AAAADTTVTQFLQSFKENAENGALRKFYEVIMDNGGAVLDDINSLTEVTILAPSNEAWNSSNINNVL RDRNKMRQILNMHIIKDRLNVDKIRQKNANLIAQVPTVNNNTFLYFNVRGEGSDTVITVEGGGVNAT VIQADVAQTNGYVHIIDHVLGVPYTTVLGKLESDPMMSDTYKMGKFSHFNDQLNNTQRRFTYFVPR DKGWQKTELDYPSAHKKLFMADFSYHSKSILERHLAISDKEYTMKDLVKFSQESGSVILPTFRDSLSIRV EEEAGRYVIIWNYKKINVYRPDVECTNGIIHVIDYPLLEEKDVVVAGGSAAAAA 111111111111111111000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000001111111111

>DM\_train708 MTKERFVISRRRTGFGDCLWSLASAWSYAQRTGRTLVIDWRGSCYVEQPFSNAFPAFFEPVEDIAGVP VICDDRVNQLSFPGPFFPRWWNRPSIDCINRPDEQIFRERDELTELFQAREDSEANTIVCDACLMWR CSEEAERLIFRNIKLRSEIRARIDALYEEHFSGHSIIGVHVRHGNGEDIMEHAPYWADSELALHQVCMAI RKAKALSYPKPVKVFLCTDSAQVLDQVSGLFPDVFAVPKRFQADRAGPLHSAEMGIEGGASALIDMY LLARCATVIRFPPTSAFTRYARLLVPRIIEFDLSNPGHLTMIDNPYEHFAAS 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000011111111111100000000000000000000000000000000000 000000000000000000011111111111000000000000000000000000000000000000000000000 000011000000000001111111

>DM\_train

>DM\_train710 EIFSQELTQREANVKKVHENLEELQKKLDHTSFAHKEDRDRLEAQIAQKEQEQKAKLAEYDQKVQNEF DARERAEREREAARGDAAAEKQRLASLLKDLEDDASGYNRLRPSKPMLSEEDTNILRQLFLSSAVSGS GKFSFQDLKQVLAKYADTIPEGPLKKLFVMVENDTKGRMSYITLVAVANDLAALVADFRKIDTNSNGT LSRKEFREHFVRLGFDKKSVQDALFRYADEDESDDVGFSEYVHLGLCLLVLRILYAFADFDKSGQLSKEE VQKVLEDAHIPESARKKFEHQFSVVDVDDSKSLSYQEFVMLVLLMFHDD 000000000000000000000000000000000001111000000000000000000000000000000000000 000000000000000000000000011111111111100000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000

>DM\_train711 FNKIKDSVKQKIDSMGDKGTYGVSASHPLAVEEGMKVLKNGGSAVDAAIVVSYVLGVVELHASGIGG GGGMLIISKDKETFIDYRETTPYFTGNQKPHIGVPGFVAGMEYIHDNYGSLPMGELLQPAINYAEKGFK VDDSLTMRLDLAKPRIYSDKLSIFYPNGEPIETGETLIQTDLARTLKKIQKEGAKGFYEGGVARAISKTAKI SLEDIKGYKVEVRKPVKGNYMGYDVYTAPPPFSGVTLLQMLKLAEKKEVYKDVDHTATYMSKMEEISR IAYQDRKKNLGDPNYVNMDPNKMVSDKYISTMKNENGDALSEAEHES 111111111111111110000000000000000000000000000000000000000000000000000000000 000000000000000011111000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000001111111000000 00000000011111111111111

>DM\_train712 MKNDRTLQAIGRQLKAMGCERFDIGVRDATTGQMMNREWSAAEVLQNTPWLKRMNAQGNDVYI RPAEQERHGLVLVDDLSEFDLDDMKAEGREPALVVETSPKNYQAWVKVADAAGGELRGQIARTLAS EYDADPASADSRHYGRLAGFTNRKDKHTTRAGYQPWVLLRESKGKTATAGPALVQQAGQQIEQAQ RQQEKARRLASLELPERQLSRHRRTALDEYRSEMAGLVKRFGDDLSKCDFIAAQKLASRGRSAEEIGKA MAEASPALAERKPGHEADYIERTVSKVMGLPSVQLARAELARAPAPRQRGMDRGGPDFSM 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000100001110000000000000000000000000000000000000000000000111111111000000000 000000000000000000000000000000000000000000000000001100000000000000000000000 00000001111111111111111

>DM\_train713 MADDFAYLNARVRVRRGTLLKESFFQEALDLSFADFLRLLSETVYGGELAGQGLPDVDRAVLRTQAKL VGDLPRLVTGEAREAVRLLLLRNDLHNLQALLRAKATGRPFEEVLLLPGTLREEVWRQAYEAQDPAG MAQVLAVPGHPLARALRAVLRETQDLARVEALLAKRFFEDVAKAAKGLDQPALRDYLALEVDAENLR TAFKLQGSGLAPDAFFLKGGRFVDRVRFARLMEGDYAVLDELSGTPFSGLSGVRDLKALERGLRCVLL KEAKKGVQDPLGVGLVLAYVKEREWEAVRLRLLARRAYFGLPRAQVEEEVVCP 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000011111110000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000

>DM\_train714 QLTPTFYDNSCPNVSNIVRDTIVNELRSDPRIAASILRLHFHDCFVNGCDASILLDNTTSFRTEKDAFGN ANSARGFPVIDRMKAAVESACPRTVSCADLLTIAAQQSVTLAGGPSWRVPLGRRDSLQAFLDLANA NLPAPFFTLPQLKDSFRNVGLNRSSDLVALSGGHTFGKNQCRFIMDRLYNFSNTGLPDPTLNTTYLQT LRGLCPLNGNLSALVDFDLRTPTIFDNKYYVNLEEQKGLIQSDQELFSSPNATDTIPLVRSFANSTQTFF NAFVEAMDRMGNITPLTGTQGQIRLNCRVVNSNSLLHDMVEVVDFVSSM 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000011111111111111111

>DM\_train715 MGSSHHHHHHHSSGRENLYFQGHMEGVRWAFSCGTWLPSRAEWLLAVRSIQPEEKERIGQFVFAR DAKAAMAGRLMIRKLVAEKLNIPWNHIRLQRTAKGKPVLAKDSSNPYPNFNFNISHQGDYAVLAAEP ELQVGIDIMKTSFPGRGSIPEFFHIMKRKFTNKEWETIRSFKDEWTQLDMFYRNWALKESFIKAIGVGLG FELQRLEFDLSPLNLDIGQVYKETRLFLDGEEEKEWAFEESKIDEHHFVAVALRKPDGSRHQDVPSQD DSKPTQRQFTILNFNDLMSSAVPMTPEDPSFWDCFCFTEEIPIRNGTKSLESG 111111111111111110000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000001100000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000001111111111111111000000000000000000000000000 00000000000000011111111

>DM\_train716 MPLCTLRQMLGEARKHKYGVGAFNVNNMEQIQGIMKAVVQLKSPVILQCSRGALKYSDMIYLKKLC EAALEKHPDIPICIHLDHGDTLESVKMAIDLGFSSVMIDASHHPFDENVRITKEVVAYAHARSVSVEAEL GTLGGIEEDVQNTVQLTEPQDAKKFVELTGVDALAVAIGTSHGAYKFKSESDIRLAIDRVKTISDLTGIPL VMHGSSSVPKDVKDMINKYGGKMPDAVGVPIESIVHAIGEGVCKINVDSDSRMAMTGAIRKVFVEH PEKFDPRDYLGPGRDAITEMLIPKIKAFGSAGHAGDYKVVSLEEAKAWYK 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000001111111111111 100000000000000000000000011111111111111100000000000000000000011100000000000 000000000110000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000

>DM\_train717 MTNSNDIDETAATIDTARALLKSFGFEAQRHNVRSAVTLLALAGLKPGDHWADSTTPRLGVQKIMD WSGAYWAKPYATGSREDFRKKTLRQWVDNGFAVLNPDNLNIATNSQLNEYCLSDEAAQAIRSYGT DAFESALVDFLSKASDTVRARAEALRAAMISVDLADGDEFLLSPAGQNPLLKKMVEEFMPRFAPGAK VLYIGDTRGKHTRFEKRIFEETLGLTFDPHGRMPDLVLHDKVRKWLFLMEAVKSKGPFDEERHRTLREL FATPVAGLVFVNCFENREAMRQWLPELAWETEAWVADDPDHLIHLNGSRFLGPYER 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000

>DM\_train719 MLRGGVNDCKIKWEFLIGNSIDSSPILAKNGTIYLGSSNKNLYAINTDGSVKWFFKSGEIIECRPSIGKDG TIYFGSDKVYAINPDGTEKWRFDTKKAIVSDFTIFEDILYVTSMDGHLYAINTDGTEKWRFKTKKAIYATP IVSEDGTIYVGSNDNYLYAINPDGTEKWRFKTNDAITSAASIGKDGTIYFGSDKVYAINPDGTEKWNFY AGYWTVTRPAISEDGTIYVTSLDGHLYAINPDGTEKWRFKTGKRIESSPVIGNTDTIYFGSYDGHLYAIN PDGTEKWNFETGSWIIATPVIDENGTIYFGTRNGKFYALFN 111111111110000000111100000000000000111000000000000000011100000000000000000 000000000011111111111111100000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000

>DM\_train720 TENKRKSMEKLSVDGVISALAFDQRGALKRMMAQHQTKEPTVEQIEELKSLVSEELTPFASSILLDPEY GLPASRVRSEEAGLLLAYEKTGYDATTTSRLPDCLDVWSAKRIKEAGAEAVKFLLYYDIDGDQDVNEQ KKAYIERIGSECRAEDIPFYLEILTYDEKIADNASPEFAKVKAHKVNEAMKVFSKERFGVDVLKVEVPVN MKFVEGFADGEVLFTKEEAAQAFRDQEASTDLPYIYLSAGVSAKLFQDTLVFAAESGAKFNGVLCGRA TWAGSVKVYIEEGPQAAREWLRTEGFKNIDELNKVLDKTASPWTEKM 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000111

>DM\_train721 SEDPVFTFGLIADVQYADIEDGENYLRTRRRYYRGSADLLRDAVLQWRRERVQCVVQLGDIIDGHNR RRDASDRALDTVMAELDACSVDVHHVWGNHEFYNFSRPSLLSSRLNSAQRTGTDTGSDLIGDDIYA YEFSPAPNFRFVLLDAYDLSVIGREEESEKHTHSWRILTQHNHNLQDLNLPPVSVGLEQRFVKFNGGF SEQQLQWLDAVLTLSDHKQERVLIFSHLPVHPCAADPICLAWNHEAVLSVLRSHQSVLCFIAGHDHD GGRCTDSSGAQHITLEGVIETPPHSHAFATAYLYEDRMVMKGRGRVEDLTITYS 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000001111110000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000

>DM\_train722 MAVYTDITEDELRNFLTQYDVGSLTSYKGIAEGVENSNFLLHTTKDPLILTLYEKRVEKNDLPFFLGLMQ HLAAKGLSCPLPLPRKDGELLGELSGRPAALISFLEGMWLRKPEAKHCREVGKALAAMHLASEGFEIKR PNALSVDGWKVLWDKSEERADEVEKGLREEIRPEIDYLAAHWPKDLPAGVIHADLFQDNVFFLGDEL SGLIDFYFACNDLLAYDVSICLNAWCFEKDGAYNVTKGKALLEGYQSVRPLSEAELEALPLLSRGSALRF FLTRLYDWLTTPAGALVVKKDPLEYLRKLRFHRTIANVAEYGLAGE 111100000000000000000000000000011100000000000000000000011100000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000011

>DM\_train723 GMTGLSQSQASPMQIQPGNAAFNPWTDAALDTIRDVNQALTLYAEMRVVPAHHDAFLAAIDTVSA KLRVLPGFLSLALKQMSGDSTMVKNYPETYKGVLATAYLDGVAAGTQPYFYNLFVRFADGRAARAA GFEALFETHIHPLLHAMAPRGGDGPELLAYRAVLQSVVAGDRHAIYRGAEEIRSFLRRPVELPERETVTV ENHVMVPEDKHAAWEPQVAILLQVAQDTFEPQDEPSGVGLPGARDNRYYRKALSTEILRNAHADG GLRAYIMHGVWESVWDHENSHLDPRFLAAAGPVGAAAVVGPVEPFYLTRRLVVAD 111111111111111111111000000000000110000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000001 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000

>DM\_train724 MSSGVDLGTENLYFQSNAMYYGFDIGGTKIALGVFDSTRRLQWEKRVPTPHTSYSAFLDAVCELVEEA DQRFGVKGSVGIGIPGMPETEDGTLYAANVPAASGKPLRADLSARLDRDVRLDNDANCFALSEAWD DEFTQYPLVMGLILGTGVGGGLVLNGKPITGQSYITGEFGHMRLPVDALTLMGFDFPLRRCGCGQMG CIENYLSGRGFAWLYQHYYDQSLQAPEIIALWEQGDEQAHAHVERYLDLLAVCLGNILTIVDPDLLVI GGGLSNFTAITTQLAERLPRHLLPVARAPRIERARHGDAGGMRGAAFLHLTD 111111111111111100000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000

>DM\_train

>DM\_train728 MLVFIDDGSTNIKLQWQESDGTIKQHISPNSFKREWAVSFGDKKVFNYTLNGEQYSFDPISPDAVVTT NIAWQYSDVNVVAVHHALLTSGLPVSEVDIVCTLPLTEYYDRNNQPNTENIERKKANFRKKITLNGGD TFTIKDVKVMPESIPAGYEVLQELDELDSLLIIDLGGTTLDISQVMGKLSGISKIYGDSSLGVSLVTSAVKD ALSLARTKGSSYLADDIIIHRKDNNYLKQRINDENKISIVTEAMNEALRKLEQRVLNTLNEFSGYTHVM VIGGGAELICDAVKKHTQIRDERFFKTNNSQYDLVNGMYLIGN 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000011111000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000

>DM\_train729 MSANDFKPETWTSSANEALRVSIVGENAVQFSPLFTYPIYGDSEKIYGYKDLIIHLAFDSVTFKPYVNVK YSAKLGDDNIVDVEKKLLSFLPKDDVIVRDEAKWVDCFAEERKTHNLSDVFEKVSEYSLNGEEFVVYKS SLVDDFARRMHRRVQIFSLLFIEAANYIDETDPSWQIYWLLNKKTKELIGFVTTYKYWHYLGAKSFDEDI DKKFRAKISQFLIFPPYQNKGHGSCLYEAIIQSWLEDKSITEITVEDPNEAFDDLRDRNDIQRLRKLGYD AVFQKHSDLSDEFLESSRKSLKLEERQFNRLVEMLLLLNNS 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000011111111100000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000

>DM\_train

>DM\_train731 MKKPNGTNGASSSLEPPPSTFQPLCHPLVEEVSKEVDGYFLQHWNFPNEKARKKFVAAGFSRVTCLY FPKALDDRIHFACRLLTVLFLIDDLLEYMSFEEGSAYNEKLIPISRGDVLPDRSIPVEYIIYDLWESMRAHD REMADEILEPVFLFMRAQTDRTRARPMGLGGYLEYRERDVGKELLAALMRFSMGLKLSPSELQRVREI DANCSKHLSVVNDIYSYEKELYTSKTAHSEGGILCTSVQILAQEADVTAEAAKRVLFVMCREWELRHQ LLVARLSAEGLETPGLAAYVEGLEYQMSGNELWSQTTLRYSVVVD 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000001111111111000000000000000000000000000000000000000000000110000000000000 00000000000000000111

>DM\_train733 MTDSPGGVAPASPVEDASDASLGQPEEGAPCQVVLQGAELNGILQAFAPLRTSLLDSLLVMGDRGIL IHNTIFGEQVFLPLEHSQFSRYRWRGPTAAFLSLVDQKRSLLSVFRANQYPDLRRVELAITGQAPFRTL VQRIWTTTSDGEAVELASETLMKRELTSFVVLVPQGTPDVQLRLTRPQLTKVLNATGADSATPTTFEL GVNGKFSVFTTSTCVTFAAREEGVSSSTSTQVQILSNALTKAGQAAANAKTVYGENTHRTFSVVVDD CSMRAVLRRLQVGGGTLKFFLTTPVPSLCVTATGPNAVSAVFLLKPQK 111111111111111111111111111100000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 001111111111111111111111110000000000000000000000000000000000000000000000000 0000000000000000000

>DM\_train734 LEADKCKEREEKIILVSSANEIDVRPCPLNPNEHKGTITWYKDDSKTPVSTEQASRIHQHKEKLWFVPAK VEDSGHYYCVVRNSSYCLRIKISAKFVENEPNLCYNAQAIFKQKLPVAGDGGLVCPYMEFFKNENNEL PKLQWYKDCKPLLLDNIHFSGVKDRLIVMNVAEKHRGNYTCHASYTYLGKQYPITRVIEFITLEENKPTR PVIVSPANETMEVDLGSQIQLICNVTGQLSDIAYWKWNGSVIDEDDPVLGEDYYSVENPANKRRSTLI TVLNISEIESRFYKHPFTCFAKNTHGIDAAYIQLIYPVTNFQK 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000011111

>DM\_train735 RHRLFQLNREVDDLEQWIAEREVVAGSHELGQDYEHVTMLQERFREFARDTGNIGQERVDTVNHLA DELINSGHSDAATIAEWKDGLNEAWADLLELIDTRTQILAASYELHKFYHDAKEIFGRIQDKHKKLPEEL GRDQNTVETLQRMHTTFEHDIQALGTQVRQLQEDAARLQAAYAGDKADDIQKRENEVLEAWKSLL DACESRRVRLVDTGDKFRFFSMVRDLMLWMEDVIRQIEAQEKPRDVSSVELLMNNHQGIKAEIDAR NDSFTTCIELGKSLLARKHYASEEIKEKLLQLTEKRKEMIDKWEDRWEWLRL 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000001

>DM\_train736 ADTYAATRYPVILVHGLAGTDKFANVVDYWYGIQSDLQSHGAKVYVANLSGFQSDDGPNGRGEQL LAYVKQVLAATGATKVNLIGHSQGGLTSRYVAAVAPQLVASVTTIGTPHRGSEFADFVQDVLKTDPT GLSSTVIAAFVNVFGTLVSSSHNTDQDALAALRTLTTAQTATYNRNFPSAGLGAPGSCQTGAATETV GGSQHLLYSWGGTAIQPTSTVLGVTGATDTSTGTLDVANVTDPSTLALLATGAVMINRASGQNDGL VSRCSSLFGQVISTSYHWNHLDEINQLLGVRGANAEDPVAVIRTHVNRLKLQGV 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000001111100 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000

>DM\_train737 SNAMTQSPIFLTPVFKEKIWGGTALRDRFGYSIPSESTGECWAISAHPKGPSTVANGPYKGKTLIELWEE HREVFGGVEGDRFPLLTKLLDVKEDTSIKVHPDDYYAGENEEGELGKTECWYIIDCKENAEIIYGHTARS KTELVTMINSGDWEGLLRRIKIKPGDFYYVPSGTLHALCKGALVLETQQNSDATYRVYDYDRLDSNGS PRELHFAKAVNAATVPHVDGYIDESTESRKGITIKTFVQGEYFSVYKWDINGEAEMAQDESFLICSVIEG SGLLKYEDKTCPLKKGDHFILPAQMPDFTIKGTCTLIVSHI 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000

>DM\_train738 AKAPEQTVTEPVGSYARAERPQDFEGFVWRLDNDGKEALPRNFRTSADALRAPEKKFHLDAAYVPSR EGMDALHISGSSAFTPAQLKNVAAKLREKTAGPIYDVDLRQESHGYLDGIPVSWYGERDWANLGKS QHEALADERHRLHAALHKTVYIAPLGKHKLPEGGEVRRVQKVQTEQEVAEAAGMRYFRIAATDHVW PTPENIDRFLAFYRTLPQDAWLHFHCEAGVGRTTAFMVMTDMLKNPSVSLKDILYRQHEIGGFYYGEF PIKTKDKDSWKTKYYREKIVMIEQFYRYVQENRADGYQTPWSVWLKSHPAKA 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000

>DM\_train739 GSPGISGGGGGILDSMAEIVADKTVEVVKNAIETADGALDLYNKYLDQVIPWQTFDETIKELSRFKQEY SQAASVLVGDIKTLLMDSQDKYFEATQTVYEWCGVATQLLAAYILLFDEYNEKKASAQKDILIKVLDD GITKLNEAQKSLLVSSQSFNNASGKLLALDSQLTNDFSEKSSYFQSQVDKIRKEAYAGAAAGVVVGPF GLIISYSIAAGVVEGKLIPELKNKLKSVQNFFTTLSNTVKQANKDIDAAKLKLTTEIAAIGEIKTETETTRFY VDYDDLMLSLLKEAAKKMINTCNEYQKRHGKKTLFEVPEV 111111111100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000011111

>DM\_train741 VSQIGLLLPLSGDGQILGTTIQSGFNDAKGNSTIPVQVFDTSMNSVQDIIAQAKQAGIKTLVGPLLKQN LDVILADPAQIQGMDVLALNATPNSRAIPQLCYYGLSPEDEAESAANKMWNDGVRNPLVAMPQND LGQRVGNAFNVRWQQLAGTDANIRYYNLPADVTYFVQENNSNTTALYAVASPTELAEMKGYLTNIV PNLAIYASSRASASATNTNTDFIAQMNGVQFSDIPFFKDTNSPQYQKLAKSTGGEYQLMRLYAMGA DAWLLINQFNELRQVPGYRLSGLTGILSADTNCNVERDMTWYQYQDGAIVPV 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000

>DM\_train742 MSLEVKVGLAPMAGYTDSAFRTLAFEWGADFAFSEMVSAKGFLMNSQKTEELLPQPHERNVAVQIF GSEPNELSEAARILSEKYKWIDLNAGCPVRKVVKEGAGGALLKDLRHFRYIVRELRKSVSGKFSVKTRLG WEKNEVEEIYRILVEEGVDEVFIHTRTVVQSFTGRAEWKALSVLEKRIPTFVSGDIFTPEDAKRALEESGC DGLLVARGAIGRPWIFKQIKDFLRSGKYSEPSREEILRTFERHLELLIKTKGERKAVVEMRKFLAGYTKDLK GARRFREKVMKIEEVQILKEMFYNFIKEVEGGSHHHHHH 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000111111111

>DM\_train743 MPKPYVAINMAELKNEPKTFEMFASVGPKVCMVTARHPGFVGFQNHIQIGILPFGNRYGGAKMDMT KESSTVRVLQYTFWKDWKDHEEMHRQNWSYLFRLCYSCASQMIWGPWEPIYEIIYANMPINTEMTD FTAVVGKKFAEGKPLDIPVISQPYGKRVVAFAEHSVIPGKEKQFEDAIVRTLEMLKKAPGFLGAMVLKEI GVSGIGSMQFGAKGFHQVLENPGSLEPDPNNVMYSVPEAKNTPQQYIVHVEWANTDALMFGMGR VLLYPELRQVHDEVLDTLVYGPYIRILNPMMEGTFWREYLNEQAWRHPQFGG 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000001111111111

>DM\_train744 EGGDFVVGMVTDSGDIDDKSFNQQVWEGISRFAQENNAKCKYVTASTDAEYVPSLSAFADENMGL VVACGSFLVEAVIETSARFPKQKFLVIDAVVQDRDNVVSAVFGQNEGSFLVGVAAALKAKEAGKSAV GFIVGMELGMMPLFEAGFEAGVKAVDPDIQVVVEVANTFSDPQKGQALAAKLYDSGVNVIFQVAGG TGNGVIKEARDRRLNGQDVWVIGVDRDQYMDGVYDGSKSVVLTSMVKRADVAAERISKMAYDGSF PGGQSIMFGLEDKAVGIPEENPNLSSAVMEKIRSFEEKIVSKEIVVPVRSARMMN 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000

>DM\_train745 MEQLRGLYPPLAAYDSGWLDTGDGHRIYWELSGNPNGKPAVFIHGGPGGGISPHHRQLFDPERYKV LLFDQRGCGRSRPHASLDNNTTWHLVADIERLREMAGVEQWLVFGGSWGSTLALAYAQTHPERVS EMVLRGIFTLRKQRLHWYYQDGASRFFPEKWERVLSILSDDERKDVIAAYRQRLTSADPQVQLEAAKL WSVWEGETVTLLPSRESASFGEDDFALAFARIENHYFTHLGFLESDDQLLRNVPLIRHIPAVIVHGRYD MACQVQNAWDLAKAWPEAELHIVEGAGHSYDEPGILHQLMIATDRFAGK 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000

>DM\_train746 MAELACFCYPHLENDSYKFIPFNNLAIKAMLTAKVDKKDMDKFYDSIIYGIAPPPQFKKRYNTNDNSR GMNFETIMFTKVAMLICEALNSLKVTQANVSNVLSRVVSIRHLENLVIRKENPQDILFHSKDLLLKSTLI AIGQSKEIETTITAEGGEIVFQNAAFTMWKLTYLEHQLMPILDQNFIEYKVTLNEDKPISDVHVKELVAE LRWQYNKFAVITHGKGHYRIVKYSSVANHADRVYATFKSNVKTGVNNDFNLLDQRIIWQNWYAFTS SMKQGNTLDVCKRLLFQKMKPEKNPFKGLSTDRKMDEVSQVGV 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000001111

>DM\_train747 MSNQYGDKNLKIFSLNSNPELAKEIADIVGVQLGKCSVTRFSDGEVQINIEESIRGCDCYIIQSTSDPVN EHIMELLIMVDALKRASAKTINIVIPYYGYARQDRKARSREPITAKLFANLLETAGATRVIALDLHAPQIQ GFFDIPIDHLMGVPILGEYFEGKNLEDIVIVSPDHGGVTRARKLADRLKAPIAIIDKRRPRPNVAEVMNIV GNIEGKTAILIDDIIDTAGTITLAANALVENGAKEVYACCTHPVLSGPAVERINNSTIKELVVTNSIKLPEE KKIERFKQLSVGPLLAEAIIRVHEQQSVSYLFS 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000011111111100000000000000000 000000000000000000000000000000000000000000000000000000001111000000000000000 00000000000000000

>DM\_train749 GMPPVWTLPRLYQHFQGAIDLELWTIPYYLTVLYSIKDPTTVPYRLIQAAVYQEMLHAQLVSNIANAY GYSPTLSAPEYVGTAVPHIDFDLDTPNPTSIFTPYSAELGPLDLTRVNTMCLIEYPEWRTQREPDLADD VTDYGSIGEFYDALRVGMEQLRGHVRGNQKQMDEFGPFYQNSPPLTVTESGDAGFLQALTLVDIIVD QGEGQTQPVETIPTEFQNTADGFQDAWPHFQRFDFIRRMPNWPGVYTGVTDPPAGSPGAEAQARL IADFAGFLDILNGMFSGGGAPPAFGVQMAKLGGDILSCWKLGAVPRYS 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000111111110000000000000000000000000011111111111111111111 111111000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000

>DM\_train750 GMNPFQNSFGGHIPQDVAGKQGENVIFIVYNLTDSPDTVDKVKDVCANFSAMIRSMRNRFPDMQF SCTMGFGADAWTRLFPDKGKPKELSTFSEIKGEKYTAVSTPGDLLFHIRAKQMGLCFEFASILDEKLKG AVVSVDETHGFRYMDGKAIIGFVDGTENPAVDENPYHFAVIGEEDADFAGGSYVFVQKYIHDMVAW NALPVEQQEKVIGRHKFNDVELSDEEKPGNAHNAVTNIGDDLKIVRANMPFANTSKGEYGTYFIGYA STFSTTRRMLENMFIGSPAGNTDRLLDFSTAITGTLFFVPSYDLLGELGE 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000

>DM\_train751 MIKLGIVMDPIANINIKKDSSFAMLLEAQRRGYELHYMEMGDLYLINGEARAHTRTLNVKQNYEEWFS FVGEQDLPLADLDVILMRKDPPFDTEFIYATYILERAEEKGTLIVNKPQSLRDCNEKLFTAWFSDLTPETL VTRNKAQLKAFWEKHSDIILKPLDGMGGASIFRVKEGDPNLGVIAETLTEHGTRYCMAQNYLPAIKDG DKRVLVVDGEPVPYCLARIPQGGETRGNLAAGGRGEPRPLTESDWKIARQIGPTLKEKGLIFVGLDIIG DRLTEINVTSPTCIREIEAEFPVSITGMLMDAIEARLQQQ 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000011110000000000000000000000000000000000000000000000000000000000 111111111111111100000000000000000000000000000000000000000000000000000000000 0000000000000000

>DM\_train752 MPFTIDSARGIFPNTLAADVVPATIARFSQLNAEDQLALIWFAYLEMGKTLTIAAPGAASMQLAENAL KEIQAMGPLQQTQAMCDLANRADTPLCRTYASWSPNIKLGFWYRLGELMEQGFVAPIPAGYQLSA NANAVLATIQGLESGQQITVLRNAVVDMGFTAGKDGKRIAEPVVPPQDTASRTKVSIEGVTNATVLN YMDNLNANDFDTLIELFTSDGALQPPFQRPIVGKENVLRFFREECQNLKLIPERGVTEPAEDGFTQIKV TGKVQTPWFGGNVGMNIAWRFLLNPEGKIFFVAIDLLASPKELLNFA 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000011111111000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000011111

>DM\_train753 GSACAEFSFHVPSLEELAGVMQKGLKDNFADVQVSVVDCPDLTKEPFTFPVKGICGKTRIAEVGGVPY LLPLVNQKKVYDLNKIAKEIKLPGAFILGAGAGPFQTLGFNSEFMPVIQTESEHKPPVNGSYFAHVNPA DGGCLLEKYSEKCHDFQCALLANLFASEGQPGKVIEVKAKRRTGPLNFVTCMRETLEKHYGNKPIGM GGTFIIQKGKVKSHIMPAEFSSCPLNSDEEVNKWLHFYEMKAPLVCLPVFVSRDPGFDLRLEHTHFFSR HGEGGHYHYDTTPDIVEYLGYFLPAEFLYRIDQPKETHSIGRD 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000

>DM\_train

>DM\_train755 NAVLTWNNEILPNWETMWCSRKVRDLWWQGIPPSVRGKVWSLAIGNELNITHELFDICLARAKERW RSLSTGGSEVENEDAGFSAADREASLELIKLDISRTFPNLCIFQQGGPYHDMLHSILGAYTCYRPDVGY VQGMSFIAAVLILNLDTADAFIAFSNLLNKPCQMAFFRVDHGLMLTYFAAFEVFFEENLPKLFAHFKKN NLTPDIYLIDWIFTLYSKSLPLDLACRIWDVFCRDGEEFLFRTALGILKLFEDILTKMDFIHMAQFLTRLPE DLPAEELFASIATIQMQSRNKKWAQVLTALQKDSREMEKG 000000000000000110000000000000000000000000000000000000000000000000111111111 111111111111100000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000011111111

>DM\_train756 MKQVKAAFEANKRVYESVLLTFKGVDGYDVYNCSVPFSYKGKTHIYGRVEKRDIWAASHVRLFEETGK DEFTAVPELSWELEDPYIAKINNEMIFGGTRVRKNGNAILSYYGYFYRGTPDELTYFTRGPGCMKDIRVL QLQDGRLGVFSRPRVGRKASIGFVILNSIDELGAEVIAKAPPLDILSENAWGGVNQAYLLSSGKVGCIG HYSYEDTNEKQQPQSVYVNYAFVLDPQSRAITGAKIIGTKSCYPPCEPKVPLLADCVFASGIVMRSDG KVDLYSGVGDSHEGRITIDYPFKGHGTIIGDLHFPMASSL 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000001111100000000000000000000000000000000000000000000 000111000000000000000000000000000011000000000000000000000000001111111100000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000001111

>DM\_train757 GRVYYINSHGTLSRHENTLRFENAEVKKDIPVEDVEEIFVFAELSLNTKLLNFLASKGIPLHFFNYYGYYT GTFYPRESSVSGHLLIKQVEHYLDAQKRLYLAKSFVIGSILNLEYVYKISADTYLNKVKETNSIPELMSVEA EFRKLCYKKLEEVTGWELEKRTKRPPQNPLNALISFGNSLTYAKVLGEIYKTQLNPTVSYLHEPSTKRFSL SLDVAEVFKPIFVDNLIIRLIQENKIDKTHFSTELNMTFLNEIGRKVFLKAFNELLETTIFYPKLNRKVSHRT LIKLELYKLIKHLLEEEVYLPLNYGGLK 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000111110000000000000000000000000000000000000000011000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000

>DM\_train758 MTRTRSGSLAAGGLNWASLPLKLFAGGNAKFWHPADIDFTRDRADWEKLSDDERDYATRLCTQFIA GEEAVTEDIQPFMSAMRAEGRLADEMYLTQFAFEEAKHTQVFRMWLDAVGISEDLHRYLDDLPAYR QIFYAELPECLNALSADPSPAAQVRASVTYNHIVEGMLALTGYYAWHKICVERAILPGMQELVRRIGD DERRHMAWGTFTCRRHVAADDANWTVFETRMNELIPLALRLIEEGFALYGDQPPFDLSKDDFLQYST DKGMRRFGTISNARGRPVAEIDVDYSPAQLEDTFADEDRRTLAAASA 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000001111111111 11111111111111

>DM\_train759 MARKKNTSDQSRSQAANTPIAGTYEGEYSVIELEADSYTTDGWLISINGVPSSHIVLGQPQALEFEYM RWIATGARAFIDAHQDASKLRITHLGGGACTMARYFADVYPQSRNTVVELDAELARLSREWFDIPRA PRVKIRVDDARMVAESFTPASRDVIIRDVFAGAITPQNFTTVEFFEHCHRGLAPGGLYVANCGDHSDL RGAKSELAGMMEVFEHVAVIADPPMLKGRRYGNIILMGSDTEFFSSNSTEASAITRELLGGGVPAQYK DESWVRKFASGAQARHDGVSTLQMPSDTPQHPAETPEHSNTQP 111111111111111110000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000001111 11111111111111

>DM\_train760 GGNSKSRNDRTETVDKEVIKAPEFDADSAYQYIQVQADFGPRVPNTQAHKECGEYLAGQLEKFGAK VYNQYADLIAYDGTILKSRNIIGAYKPESKKRILLCAHWDSRPYADNDPDPKNHHTPILGVNDGASGV GVLLEIARQIQKEQPALGIDIVFFDSEDYGIPEFYDGKYKQDTWCLGSQYWARTPHVQNYNARYGILL DMVGGKDATFYYEGYSARTARSEMKKIWKKAHELGYGKYFVKEDGGETVDDHIYVNKLARIPCVDIIN YDAGNPQSSFGSFWHTVNDTMENIDRNTLKAVGQTVMDVIYNEK 111111111111111100000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000011111111111111111111000000000000000000000 000000000000001111111111110000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000001111111111111111111100000000 00000000000000

>DM\_train761 MLDNVLRIATRQSPLALWQAHYVKDKLMASHPGLVVELVPMVTRGDVILDTPLAKVGGKGLFVKELE VALLENRADIAVHSMKDVPVEFPQGLGLVTICEREDPRDAFVSNNYDSLDALPAGSIVGTSSLRRQCQ LAERRPDLIIRSLRGNVGTRLSKLDNGEYDAIILAVAGLKRLGLESRIRAALPPEISLPAVGQGAVGIECRL DDSRTRELLAALNHHETALRVTAERAMNTRLEGGCQVPIGSYAELIDGEIWLRALVGAPDGSQIIRGER RGAPQDAEQMGISLAEELLNNGAREILAEVYNGDAPA 000000000000000000000000000000000000000000111111111111111110000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000

>DM\_train762 MERIDSHVSPRYAQIPTFMRLPHDPQPRGYDVVVIGAPYDGGTSYRPGARFGPQAIRSESGLIHGVGI DRGPGTFDLINCVDAGDINLTPFDMNIAIDTAQSHLSGLLKANAAFLMIGGDHSLTVAALRAVAEQH GPLAVVHLDAHSDTNPAFYGGRYHHGTPFRHGIDEKLIDPAAMVQIGIRGHNPKPDSLDYARGHGV RVVTADEFGELGVGGTADLIREKVGQRPVYVSVDIDVVDPAFAPGTGTPAPGGLLSREVLALLRCVGD LKPVGFDVMEVSPLYDHGGITSILATEIGAELLYQYARAHRTQL 111111110000000000000000000000000000000000000000000000000000000000000111000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000111111000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000001111

>DM\_train763 GSHMSKKFALTAEQRASFEKNGFIGPFDAYSPEEMKETWKRTRLRLLDRSAAAYQDLDAISGGTNIAN YDRHLDDDFLASHICRPEICDRVESILGPNVLCWRTEFFPKYPGDEGTDWHQADTFANASGKPQIIW PENEEFGGTITVWTAFTDANIANGCLQFIPGTQNSMNYDETKRMTYEPDANNSVVKDGVRRGFFGY DYRQLQIDENWKPDEASAVPMQMKAGQFIIFWSTLMHASYPHSGESQEMRMGFASRYVPSFVHVY PDSDHIEEYGGRISLEKYGAVQVIGDETPEYNRLVTHTTRGKKFEAV 111111000000000000000000000000000000000000000000000000001111111100000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000

>DM\_train764 MNQKLKVAIIGSGNIGTDLMIKVLRNAKYLEMGAMVGIDAASDGLARAQRMGVTTTYAGVEGLIKLP EFADIDFVFDATSASAHVQNEALLRQAKPGIRLIDLTPAAIGPYCVPVVNLEEHLGKLNVNMVTCGGQ ATIPMVAAVSRVAKVHYAEIVASISSKSAGPGTRANIDEFTETTSKAIEVIGGAAKGKAIIIMNPAEPPLI MRDTVYVLSAAADQAAVAASVAEMVQAVQAYVPGYRLKQQVQFDVIPESAPLNIPGLGRFSGLKTS VFLEVEGAAHYLPAYAGNLDIMTSAALATAERMAQSMLNA 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000

>DM\_train766 MSDLMQKENIVVMLTKKGFLKRLSQNEYKLQGTGGKGLSSFDLNDGDEIVIALCVNTHDYLFMISNE GKLYLINAYEIKDSSRASKGQNISELINLGDQEEILTIKNSKDLTDDAYLLLTTASGKIARFESTDFKAVKS RGVIVIKLNDKDFVTSAEIVFKDEKVICLSKKGSAFIFNSRDVRLTNRGTQGVCGMKLKEGDLFVKVLSV KENPYLLIVSENGYGKRLNMSKISELKRGATGYTSYKKSDKKAGSVVDAIAVSEDDEILLVSKRSKALRTV AGKVSEQGKDARGIQVLFLDNDSLVSVSKFIK 111111100000000000000000000000000000000000000000000000000000000000000000000 000001111111000000000000000000000000000000000000000000000000011110000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000001

>DM\_train767 HMYRNVPIWAQKWKPTIKALQSINVKDLKIDPSFLNIIPDDDLTKSVQDWVYATIYSIAPELRSFIELEM KFGVIIDAKGPDRVNPPVSSQCVFTELDAHLTPNIDASLFKELSKYIRGISEVTENTGKFSIIESQTRDSVY RVGLSTQRPRFLRMSTDIKTGRVGQFIEKRHVAQLLLYSPKDSYDVKISLNLELPVPDNDPPEKYKSQS PISERTKDRVSYIHNDSCTRIDITKVENHNQNSKSRQSETTHEVELEINTPALLNAFDNITNDSKEYASLI RTFLNNGTIIRRKLSSLSYEIFEGSKKVM 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000011111 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000111111110000000000000000000000000000000000000000000000000000 01111111111

>DM\_train768 MDTTVPTFSLAELQQGLHQDEFRRCLRDKGLFYLTDCGLTDTELKSAKDIVIDFFEHGSEAEKRAVTSP VPTMRRGFTGLESESTAQITNTGSYSDYSMCYSMGTADNLFPSGDFERIWTQYFDRQYTASRAVARE VLRATGTEPDGGVEAFLDCEPLLRFRYFPQVPEHRSAEEQPLRMAPHYDLSMVTLIQQTPCANGFVSL QAEVGGAFTDLPYRPDAVLVFCGAIATLVTGGQVKAPRHHVAAPRRDQIAGSSQTSSVFFLRPNADF TFSVPLARECGFDVSLDGETATFQDWIGGNYVNIRRTSKA 000000000000000000000000000000000000000000000000000000000000000000000000000 000001111111111111111100000000000000000000000000000000000000000000000000000 000000000000000111111111111000000000000000000111110000000000000000000000000 000000000000000000000011111111100000000000000000000000000000000000000000000 00000001111

>DM\_train769 GQDYSGFTLTPSAQSPRLLELTFTEQTTKQFLEQVAEWPVQALEYKSFLRFRVAKILDDLCANQLQPLL LKTLLNRAEGALLINAVGVDDVKQADEMVKLATAVAHLIGRSNFDAMSGQYYARFVVKNVDNSDSY LRQPHRVMELHNDGTYVEEITDYVLMMKIDEQNMQGGNSLLLHLDDWEHLDNYFRHPLARRPMRF AAPPSKNVSKDVFHPVFDVDQQGRPVMRYIDQFVQPKDFEEGVWLSELSDAIETSKGILSVPVPVGK FLLINNLFWLHGRDRFTPHPDLRRELMRQRGYFAYASNHYQTHQ 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000111110000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000

>DM\_train770 AAASMDAVTAEKFSPASFLDKKETGVLHFVKYHGLGNDFILVDNRDSSEPKITQEQAAKLCDRNFGV GADGVIFAMPGVNGTDYAMRIFNSDGSEPEMCGNGVRCFARFIAELENLQGKHSFTIHTGAGLIVPEI QDDGQVKVDMGTPILKAQDVPTKLSGNKGEAVVEAELVVDGVSWNVTCVSMGNPHCITFGKKGG PNLKVDDLNLPEIGPKFEHHEMFPARTNTEFVEVLSRSHLKMRVWERGAGATLACGTGACALVVAAV LEGRADRKCTVDLPGGPLEIEWKQEDNHIYMTGPAEAVFYGSALL 111111111111111111111111000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000

>DM\_train771 MANPLYHKHIISINDLSRDELELVLRTAASLKKTPQPELLKHKVIASCFFEASTRTRLSFETSIHRLGASVV GFSDSSNTSLGKKGETLADTMSVISTYVDAIVMRHPQEGASRLAAQFSGNVPIVNAGDGANQHPTQ TLLDLFTIQETQGRLDNINIAMVGDLKYGRTVHSLTQALAKFNGNHFFFIAPDALAMPAYILQMLEEKE IEYSLHESLEEVVPELDILYMTRVQKERLDPSEYANVKAQFILRSSDLTGARDNLKVLHPLPRIDEITTDV DKTPYAYYFQQAGNGIFARQALLALVLNAELAL 110000000000000000000000000000000000000000000000000000000000000000000000000 001111111100000000000000000000000000000000000000000000000011000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000011111111111111111110000000000000000000000000000000000000000000000000000 00000000111

>DM\_train772 EANAPGPVPGERQLAHSKMVPIPAGVFTMGTDDPQIKQDGEAPARRVTIDAFYMDAYEVSNTEFEK FVNSTGYLTEAEKFGDSFVFEGMLSEQVKTNIQQAVAAAPWWLPVKGANWRHPEGPDSTILHRPDH PVLHVSWNDAVAYCTWAGKRLPTEAEWEYSCRGGLHNRLFPWGNKLQPKGQHYANIWQGEFPVT NTGEDGFQGTAPVDAFPPNGYGLYNIVGNAWEWTSDWWTVHHSVEETLNPKGPPSGKDRVKKGG SYMCHRSYCYRYRCAARSQNTPDSSASNLGFRCAADRLPTMDRGSHHHHHH 111111111111100000000000000000000000000000000000000000000000000000000000000 000000000000000011111111110000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000001 11111111111

>DM\_train773 GHMTSRPSSDQTWQPIDGRVALIAPASAIATDVLEATLRQLEVHGVDYHLGRHVEARYRYLAGTVEQ RLEDLHNAFDMPDITAVWCLRGGYGCGQLLPGLDWGRLQAASPRPLIGFSDISVLLSAFHRHGLPAI HGPVATGLGLSPLSAPREQQERLASLASVSRLLAGIDHELPVQHLGGHKQRVEGALIGGNLTALACM AGTLGGLHAPAGSILVLEDVGEPYYRLERSLWQLLESIDARQLGAICLGSFTDCPRKEVAHSLERIFGEY AAAIEVPLYHHLPSGHGAQNRAWPYGKTAVLEGNRLRWGS 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000

>DM\_train774 GPNANPIPEHFFAPYIDMSLSVHKPLVEYAKLTGTKYFTLAFILYSSVYNGPAWAGSIPLEKFVDEVRELR EIGGEVIIAFGGAVGPYLCQQASTPEQLAEWYIKVIDTYNATYLDFDIEAGIDADKLADALLIVQRERPW VKFSFTLPSDPGIGLAGGYGIIETMAKKGVRVDRVNPMTMDYYWTPSNAENAIKVAENVFRQLKQIYP EKSDEEIWKMIGLTPMIGVNDDKSVFTLEDAQQLVDWAIQHKIGSLAFWSVDRDHPGPTGEVSPLHR GTNDPDWAFSHVFVKFMEAFGYTFSAQTSEASVPT 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 11111111111

>DM\_train776 MRLKDLGERALLARLAPLGYPPEAPLPPGDDAGGVWAEGRAWLLKTDGFLYREVALKGMGPFEVGF RGVAATASDLLAKMGRPLGFTLGLFLPEDLEEGFVLELVRGAAEAAKRLGAFLLGGDTNRGVEVALTV SGYALAEAPLPRKALPGDLLYLAGDRWGRTGAAIRAHYEGRSLEGFPKIREAAFYPLPRLELLALSGLLR GSLDSSDGLAETLWQLADLGVGVEVEALPLYPDVLAFAGSEEAALELVLYGGEEFEAVLVVPQEGAAA VEARAKAKGLPLFRAGRVVAGEGVYLRGAPLPRKGYAHF 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000111111

>DM\_train777 MSRKKMGLLVMAYGTPYKEEDIERYYTHIRRGRKPEPEMLQDLKDRYEAIGGISPLAQITEQQAHNLE QHLNEIQDEITFKAYIGLKHIEPFIEDAVAEMHKDGITEAVSIVLAPHFSTFSVQSYNKRAKEEAEKLGGL TITSVESWYDEPKFVTYWVDRVKETYASMPEDERENAMLIVSAHSLPEKIKEFGDPYPDQLHESAKLIA EGAGVSEYAVGWQSEGNTPDPWLGPDVQDLTRDLFEQKGYQAFVYVPVGFVADHLEVLYDNDYEC KVVTDDIGASYYRPEMPNAKPEFIDALATVVLKKLGR 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000

>DM\_train778 GMQKQHNVVAGVDMGATHIRFCLRTAEGETLHCEKKRTAEVIAPGLVSGIGEMIDEQLRRFNARCH GLVMGFPALVSKDKRTIISTPNLPLTAADLYDLADKLENTLNCPVEFSRDVNLQLSWDVVENRLTQQL VLAAYLGTGMGFAVWMNGAPWTGAHGVAGELGHIPLGDMTQHCACGNPGCLETNCSGMALRR WYEQQPRNYPLRDLFVHAENAPFVQSLLENAARAIATSINLFDPDAVILGGGVMDMPAFPRETLVA MTQKYLRRPLPHQVVRFIAASSSDFNGAQGAAILAHQRFLPQFCAKAP 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000001111111111111111111110000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0001111111

>DM\_train779 MLDANKLQQAVDQAYTQFHSLNGGQNADYIPFLANVPGQLAAVAIVTCDGNVYSAGDSDYRFALE SISKVCTLALALEDVGPQAVQDKIGADPTGLPFNSVIALELHGGKPLSPLVNAGAIATTSLINAENVEQ RWQRILHIQQQLAGEQVALSDEVNQSEQTTNFHNRAIAWLLYSAGYLYCDAMEACDVYTRQCSTLL NTIELATLGATLAAGGVNPLTHKRVLQADNVPYILAEMMMEGLYGRSGDWAYRVGLPGKSGVGGGI LAVVPGVMGIAAFSPPLDEDGNSVRGQKMVASVAKQLGYNVFKG 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000

>DM\_train780 MAVEVLKEKWNSKVVEVTLGTGDKTVTLGGDSTLPFLTFEGEMPNPPRFALEVFDTPPTDWPDILVEP FKDVINDPVAWAKKCVEYGADIVALRLVSAHPDGQNRSGAELAEVCKAVADAIDVPLMIIGCGVEEK DAEIFPVIGEALSGRNCLLSSATKDNYKPIVATCMVHGHSVVASAPLDINLSKQLNIMIMEMNLAPNRI IMDPLIGALGYGIEYSYSIIERMRLGALTGDKILAMPVVCFIGQEAWKAKEAKDPEVAEWGDYALRAIH WETVTTVALIQAGGHLFVMRHPKSLAEVKEHLKRILK 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000001

>DM\_train781 GPLGSYGDAIPEVKAILEAKNEEELVTFTSRWSAEERKELRTQFQDTTGLEFIAFLKKCIKNGPYEDVMA LGWDCNISARVNVIKKAMKNVNDFRAIHDVVLIATPDERLKLAQAYKEKTGNDLLQDFVDQIPLTSA ASYLCHLAIRENRTPRGSVASDAEVLKHNLIDADEPDHEAVVRLIITSTADEYKEINHRFEVLTGKSVQE AIETRYADKENARGLCIAHYYNLAPARAVAYAFHSAVETQNDDMAYEQAARITGLFHDLHKFAWVH YACWGVMRDDILSRFQSKEANKVNFRDACLMFWKLAK 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000001

>DM\_train782 MRTHDDTWDIKTSVGTTAVMVAAARAAETDRPDALIRDPYAKLLVTNTGAGALWEAMLDPSMVAK VEAIDAEAAAMVEHMRSYQAVRTNFFDTYFNNAVIDGIRQFVILASGLDSRAYRLDWPTGTTVYEID QPKVLAYKSTTLAEHGVTPTADRREVPIDLRQDWPPALRSAGFDPSARTAWLAEGLLMYLPATAQDG LFTEIGGLSAVGSRIAVETSPLHGDEWREQMQLRFRRVSDALGFEQAVDVQELIYHDENRAVVADWL NRHGWRATAQSAPDEMRRVGRWGDGVPMADDKDAFAEFVTAHRL 111111111111100000000000000000000000000000000000000000000111111111111000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000111111111100000000000000000000000000000000000000000000000000 0000000000

>DM\_train783 MARYDLVDRLNTTFRQMEQELAIFAAHLEQHKLLVARVFSLPEVKKEDEHNPLNRIEVKQHLGNDAQ SLALRHFRHLFIQQQSENRSSKAAVRLPGVLCYQVDNLSQAALVSHIQHINKLKTTFEHIVTVESELPT AARFEWVHRHLPGLITLNAYRTLTVLHDPATLRFGWANKHIIKNLHRDEVLAQLEKSLKSPRSVAPWT REEWQRKLEREYQDIAALPQNAKLKIKRPVKVQPIARVWYKGDQKQVQHACPTPLIALINRDNGAGV PDVGELLNYDADNVQHRYKPQAQPLRLIIPRLHLYVAD 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000

>DM\_train784 ASSSYYEQYHSLNEIYSWIEVMTERYPDMVEKIHIGSSYEKYPLYVLKVSKKEQRAKNAMWIDCGIHAR EWISPAFCLWFVGSVTYYYGKEKMHTNLLKHMDFYIMPVVNVDGYDYTWKKDRMWRKNRSLHEK NACVGTDLNRNFASKHWCGEGASSSSCSEIYCGTYPESEPEVKAVADFLRRNIKHIKAYISMHSYSQKI VFPYSYSRSRSKDHEELSLVAREAVFAMENIHRNIRYTHGSGSESLYLAPGGSDDWIYDLGIKYSFTFEL RDKGKYGFLLPESYIRPTCSEALVAVAKIASHVVKNV 111000000000000000000000000000000000000000000000000111110000000000000000000 000000000000000111110000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000

>DM\_train785 NILVIGTGAIGSFYGALLAKTGHCVSVVSRSDYETVKAKGIRIRSATLGDYTFRPAAVVRSAAELETKPDC TLLCIKVVEGADRVGLLRDAVAPDTGIVLISNGIDIEPEVAAAFPDNEVISGLAFIGVTRTAPGEIWHQA YGRLMLGNYPGGVSERVKTLAAAFEEAGIDGIATENITTARWQKCVWNAAFNPLSVLSGGLDTLDILS TQEGFVRAIMQEIRAVAAANGHPLPEDIVEKNVASTYKMPPYKTSMLVDFEAGQPMETEVILGNAVR AGRRTRVAIPHLESVYALMKLLELRTSKSLWGN 000000000000000000000000000000000000000000000000000000000000111111111000000 111111100000000000111000000000000000000001100000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000001

>DM\_train786 CLGTIGPVTPLDASDFALDIRMPGVTPKESDTYFCMSMRLPVDEEAFVIDFKPRASMDTVHHMLLFGC NMPSSTGSYWFCDEGTCTDKANILYAWARNAPPTRLPKGVGFRVGGETGSKYFVLQVHYGDISAFR DNHKDCSGVSVHLTRVPQPLIAGMYLMMSVDTVIPPGEKVVNADISCQYKMYPMHVFAYRVHTHH LGKVVSGYRVRNGQWTLIGRQNPQLPQAFYPVEHPVDVTFGDILAARCVFTGEGRTEATHIGGTSSD EICNLYIMYYMEAKYALSFMTCTKNVAPDMFRTIPAEANIPIP 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000111111111111110000000000000000000000000000000000 000000000

>DM\_train787 GSRPGPASQLPRFVRVNTLKTCSDDVVDYFKRQGFSYQGRASSLDDLRALKGKHFLLDPLMPELLVFP AQTDLHEHPLYRAGHLILQDRASCLPAMLLDPPPGSHVIDACAAPGNKTSHLAALLKNQGKIFAFDL DAKRLASMATLLARAGVSCCELAEEDFLAVSPSDPRYHEVHYILLDPSCSGSGMPSRQLEEPGAGTPS PVRLHALAGFQQRALCHALTFPSLQRLVYSTCSLCQEENEDVVRDALQQNPGAFRLAPALPAWPHR GLSTFPGAEHCLRASPETTLSSGFFVAVIERVEVPRRARG 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000111111111111111111000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 011111111

>DM\_train788 MEKILIFGHQNPDTDTICSAIAYADLKNKLGFNAEPVRLGQVNGETQYALDYFKQESPRLVETAANEV NGVILVDHNERQQSIKDIEEVQVLEVIDHHRIANFETAEPLYYRAEPVGCTATILNKMYKENNVKIEKEI AGLMLSAIISDSLLFKSPTCTDQDVAAAKELAEIAGVDAEEYGLNMLKAGADLSKKTVEELISLDAKEFT LGSKKVEIAQVNTVDIEDVKKRQAELEAVISKVVAEKNLDLFLLVITDILENDSLALAIGNEAAKVEKAFN VTLENNTALLKGVVSRKKQVVPVLTDAMAE 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000001

>DM\_train789 MGSSHHHHHSSGENLYFQGHMKHGIYYSYWEHEWSAKFGPYIEKVAKLGFDIIEVAAHHINEYSDAE LATIRKSAKDNGIILTAGIGPSKTKNLSSEDAAVRAAGKAFFERTLSNVAKLDIHTIGGALHSYWPIDYSQ PVDKAGDYARGVEGINGIADFANDLGINLCIEVLNRFENHVLNTAAEGVAFVKDVGKNNVKVMLDT FHMNIEEDSFGDAIRTAGPLLGHFHTGESNRRVPGKGRMPWHEIGLALRDINYTGAVIMEPFVKTGG TIGSDIKVWRDLSGGADIAKMDEDARNALAFSRFVLGG 111111111111111111110000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000

>DM\_train790 GSSGFKKLVSPSSAVEKCIVSVSYRGNNLNGLWLGDSIYCPRHVLGKFSGDQWGDVLNLANNHEFEV VTQNGVTLNVVSRRLKGAVLILQTAVANAETPKYKFVKANCGDSFTIACSYGGTVIGLYPVTMRSNGT IRASFLAGACGSVGFNIEKGVVNFFYMHHLELPNALHTGTDLMGEFYGGYVDEEVAQRVPPDNLVTN NIVAWLYAAIISVKESSFSQPKWLESTTVSIEDYNRWASDNGFTPFSTSTAITKLSAITGVDVCKLLRTIM VKSAQWGSDPILGQYNFEDELTPESVFNQVGGVRLQ 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000001111111000 000000000000000000000000000000000000000000000000000000000000000000000000000 000111111

>DM\_train792 MSADYPRDLIGYGNNPPHPHWPGDARIALSFVLNYEEGGERCVLHGDKESEAFLSEMVAAQPLQGV RHMSMESLYEYGSRAGVWRLLKLFKRRNVPLTVFAVAMAAQRNPEVIRAMVADGHEICSHGYRWID YQYMDEAQEREHMLEAIRILTELTGQRPVGWYTGRTGPNTRRLVMEEGGFLYDSDTYDDDLPYWDP ASTAEKPHLVIPYTLDTNDMRFTQVQGFNNGEQFFQYLKDAFDVLYEEGATAPKMLSIGLHCRLIGRP ARMAALERFIQYAQSHDKVWFARREDIARHWHREHPFQETEA 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00001111

>DM\_train793 MNVVIVRYGEIGTKSRQTRSWFEKILMNNIREALVTEEVPYKEIFSRHGRIIVKTNSPKEAANVLVRVFGI VSISPAMEVEASLEKINRTALLMFRKKAKEVGKERPKFRVTARRITKEFPLDSLEIQAKVGEYILNNENCE VDLKNYDIEIGIEIMQGKAYIYTEKIKGWGGLPIGTEGRMIGILHDELSALAIFLMMKRGVEVIPVYIGKD DKNLEKVRSLWNLLKRYSYGSKGFLVVAESFDRVLKLIRDFGVKGVIKGLRPNDLNSEVSEITEDFKMFP VPVYYPLIALPEEYIKSVKERLGL 000000001111100000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000011111100000000000000000000000000000 0000000

>DM\_train794 ESTSLYKKAGLKPQVYHVDAFTSQPFRGNSAGVVFPADNLSEAQMQLIARELGHSETAFLLHSDDSD VRIRYFTPTVEVPICGHATVAAHYVRAKVLGLGNCTIWQTSLAGKHRVTIEKHNDDYRISLEQGTPGFE PPLEGETRAAIINALHLTEDDILPGLPIQVATTGHSKVMIPLKPEVDIDALSPDLNALTAISKKIGCNGFFP FQIRPGKNETDGRMFSPAIGIVEDPVTGNANGPMGAWLVHHNVLPHDGNVLRVKGHQGRALGRD GMIEVTVTIRDNQPEKVTISGTAVILFHAEWAIEL 111111111100000000000000000000000000000000000000000000000000000000000000000 000000110000000000000000000000000011000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000

>DM\_train795 MAPAEILNGKEISAQIRARLKNQVTQLKEQVPGFTPRLAILQVGNRDDSNLYINVKLKAAEEIGIKATHI KLPRTTTESEVMKYITSLNEDSTVHGFLVQLPLDSENSINTEEVINAIAPEKDVDGLTSINAGRLARGDL NDCFIPCTPKGCLELIKETGVPIAGRHAVVVGRSKIVGAPMHDLLLWNNATVTTCHSKTAHLDEEVNK GDILVVATGQPEMVKGEWIKPGAIVIDCGINYVPDDKKPNGRKVVGDVAYDEAKERASFITPVPGGV GPMTVAMLMQSTVESAKRFLEKFKPGKWMIQ 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000111111111100000000000000000000000000000000000000000000001111 111111

>DM\_train796 APADPVPTVFFGDSYTANFGIAPVTNQDSERGWCFQAKENYPAVATRSLADKGITLDVQADVSCGG ALIHHFWEKQELPFGAGELPPQQDALKQDTQLTVGSLGGNTLGFNRILKQCSDELRKPSLLPGDPVD GDEPAAKCGEFFGTGDGKQWLDDQFERVGAELEELLDRIGYFAPDAKRVLVGYPRLVPEDTTKCLTA APGQTQLPFADIPQDALPVLDQIQKRLNDAMKKAAADGGADFVDLYAGTGANTACDGADRGIGGL LEDSQLELLGTKIPWYAHPNDKGRDIQAKQVADKIEEILNR 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000

>DM\_train797 IWELKKDVYVVELDWYPDAPGEMVVLTCDTPEEDGITWTLDQSSEVLGSGKTLTIQVKEFGDAGQYT CHKGGEVLSHSLLLLHKKEDGIWSTDILKDQKEPKNKTFLRCEAKNYSGRFTCWWLTTISTDLTFSVKSS RGSSDPQGVTCGAATLSAERVRGDNKEYEYSVECQEDSACPAAEESLPIEVMVDAVHKLKYENYTSSF FIRDIIKPDPPKNLQLKPLKNSRQVEVSWEYPDTWSTPHSYFSLTFCVQVQGKSKREKKDRVFTDKTSA TVICRKNASISVRAQDRYYSSSWSEWASVPCS 000000000000000000000000000000000000000000000000000000000000000000001111111 000000000000000000000000000000000000000000000000000000000000000000000000000 000000111111100000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000011111110000000000000000111000000000000000000 000000

>DM\_train798 GMGDSAGLPPIYADKPIELAPAKIITSFPVNTFLENLASAPDGTIFVTNHEVGEIVSITPDGNQQIHATVE GKVSGLAFTSNGDLVATGWNADSIPVVSLVKSDGTVETLLTLPDAIFLNGITPLSDTQYLTADSYRGAI WLIDVVQPSGSIWLEHPMLARSNSESVFPAANGLKRFGNFLYVSNTEKMLLLRIPVDSTDKPGEPEIFV EQTNIDDFAFDVEGNLYGATHIYNSVVRIAPDRSTTIIAQAEQGVIGSTAVAFGQTEGDCTAIYVVTNG GMFLPPPTGVVPANVVRLEVGKPGYPLG 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000

>DM\_train799 MDLEMMLDEDYKEGICLIDFSQIALSTALVNFPDKEKINLSMVRHLILNSIKFNVKKAKTLGYTKIVLCID NAKSGYWRRDFAYYYKKNRGKAREESTWDWEGYFESSHKVIDELKAYMPYIVMDIDKYEADDHIAVL VKKFSLEGHKILIISSDGDFTQLHKYPNVKQWSPMHKKWVKIKSGSAEIDCMTKILKGDKKDNVASVK VRSDFWFTRVEGERTPSMKTSIVEAIANDREQAKVLLTESEYNRYKENLVLIDFDYIPDNIASNIVNYYN SYKLPPRGKIYSYFVKAGLSKLTNSINEF 111111111110000000000000000000000000000000000000000000000000000000000000000 000000000000011111111100000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000

>DM\_train800 MNNQCKTIAHVLRVNNGQELHVWETPPKENVPFKNNTILIASGFARRMDHFAGLAEYLSTNGFHVF RYDSLHHVGLSSGSIDEFTMTTGKNSLCTVYHWLQTKGTQNIGLIAASLSARVAYEVISDLELSFLITAV GVVNLRDTLEKALGFDYLSLPIDELPNDLDFEGHKLGSEVFVRDCFEHHWDTLDSTLDKVANTSVPLIA FTANNDDWVKQEEVYDMLAHIRTGHCKLYSLLGSSHDLGENLVVLRNFYQSVTKAAIAMDGGSLEID VDFIEPDFEQLTIATVNERRLKAEIENRTPEMA 111000000000000000000000000000000000000000000000000000000000000000000000011 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000

>DM\_train801 GMDISGRDVETRLTLAREFMSGVDELPTVPDIVLRIAGKLNDPDVAIDEVADLLLQDQVLTARVVHLA NSPLYSAARPISSIRDAVIYLGLDLLREAIFTCAIVDLFKTGKGPLNRSTLWAHSLGVARIAKLIAERTGFL NPVNVYVAGLLHDVGEVFINFFRGKEFSQVVTLVDEEKITFGQAEERLFGTSHCEVGFALAKRWSLNEF ICDTILYHHDIEAVPYKQAAIVAMVAFADEYCTLRRLGFEGHKPVDSVRTLLENHPSWGVIRRSLGGSD FDEKLIVAELDSSIVEIRAAVDELFLL 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000

>DM\_train802 MQRLSPGEFKTLISKERKSHFITPFALVYKTFCDLGYDQKNSDYFLNNPSEYIIAMRKNCWKEFEPFEKE FTTRMLSYLIDEERIKDMSPYDAIRDFTMEYPTHIYDLALSNTQSRRSRAGKEFESILELLMMGAGIPVD VQGAIGKSFFQKNQIGKLVDLVMPGVVQYTSNKRNTMLISAKTTLRERWQEVPEEVNRTGIREMYLA TLDDSFSEETINILYEANVVVVTTVENKNFKYKNNNRVLTFEDMLQSAMELSRKWNNVSYTDSEKEEI QQSILKQIEKYSDFPYVVNYYRNRLSALFD 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000011111 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00111

>DM\_train803 VDYNAPLNPKSELFLDDWHIPKFNRFISFTLDVLIDKYKDIFKDFIKLPSRKFHPQYYYKIQQPMSINEIKS RDYEYEDGPSNFLLDVELLTKNCQAYNEYDSLIVKNSMQVVMLIEFEVLKAKNLKRNYLINSEVKAKLL HYLNKLVDATEKKINQALLGASSPKNLDDKVKLSEPFMELVDKDELPEYYEIVHSPMALSIVKQNLEIG QYSKIYDFIIDMLLVFQNAHIFNDPSALIYKDATTLTNYFNYLIQKEFFPELQDLNERGEINLEFDKFEFEN YLAIGGGGPAAAGALAISALDND 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000001111111111111111 11111

>DM\_train804 MSSDKNGDILRPLSDSEVDELLDLYKVKFGIRNFHYLLLYNQRKWDRQLSEAQIPRNDLNHISLRKQFY THRRGNFRTWGTYVSLHRDIVQSVSFFSWQPDGAAELWECLEQTQLIEWTQGALLTNVDLGFCNRV KELAVSRGVTAIQPRQCFGMVLSHEDAFCAKVPDLPSEFEIRRLRAEDAAMVHDSWPNKGEGSLTYL QALVRFNKSLGICRSDTGELIAWIFQNDFSGLGMLQVLPKAERRGLGGLLAAAMSREIARGEEITLTA WIVATNWRSEALLKRIGYQKDLVNEWIKLVPNSS 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0001

>DM\_train805 MRLGDAAELCYNLTSSYLQIAAESDSIIAQTQRAINTTKSILINETFPKWSPLNGEISFSYNGGKDCQVL LLLYLSCLWEYYIVKLSQSQFDGKFHRFPLTKLPTVFIDHDDTFKTLENFIEETSLRYSLSLYESDRDKCET MAEAFETFLQVFPETKAIVIGIRHTDPFGEHLKPIQKTDANWPDFYRLQPLLHWNLANIWSFLLYSNEP ICELYRYGFTSLGNVEETLPNPHLRKDKNSTPLKLNFEWEIENRYKHNEVTKAEPIPIADEDLVKIENLHE DYYPGWYLVDDKLERAGRIKKK 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000111111111111111110000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000

>DM\_train806 GTRPRRKKHDYRIALFGGSQPQSCRYFNPKDYSWTDIRCPFEKRRDAACVFWDNVVYILGGSQLFPIK RMDCYNVVKDSWYSKLGPPTPRDSLAACAAEGKIYTSGGSEVGNSALYLFECYDTRTESWHTKPSML TQRCSHGMVEANGLIYVCGGSLGNNVSGRVLNSCEVYDPATETWTELCPMIEARKNHGLVFVKDKIF AVGGQNGLGGLDNVEYYDIKLNEWKMVSPMPWKGVTVKCAAVGSIVYVLAGFQGVGRLGHILEYN TETDKWVANSKVRAFPVTSCLICVVDTCGANEETLET 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000011111 1111

>DM\_train807 LKQKILNRESGIITYGITPPKKNNTEEKIKEISQKHIERISGLDIDGLVIYDLQDEKERVSEERPFPFIETIDPQI YSENYLKDLKIPKIIYRCVGKYTPDEFRRLTRPVSGQDAFSVFVGAASRNQSVLLKLSDAYKIRQDVNPD LLLGGVAIPERHMKNTDEHLRIIDKINKGCKYFITQAVYNVEAAKDFLSDYYYYSKNNNLKMVPIIFTLT PCGSTKTLEFMKWLGISIPRWLENDLMNCEDILNKSVSLSKSIFNELMEFCLEKGIPIGCNIESVSVRKVEI EASIALAKDIKYIMKG 000000000000000000000000000000000000000000000000000000111111111111110000000 000000000000000000000000000000000000000000000000111110000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0011

>DM\_train808 GAMERKANYAVDAYFREALRVSEPKAPKAPRPPKQPIVQDFQFFPPRLFELLDQEIYYFRKTVGYKVPK NTELGSDATKVQREEQRKIDEAEPLTEEEIQEKENLLSQGFTAWTKRDFNQFIKANEKYGRDDIDNIAK DVEGKTPEEVIEYNAVFWERCTELQDIERIMGQIERGEGKIQRRLSIKKALDQKMSRYRAPFHQLRLQY GNNKGKNYTEIEDRFLVCMLHKLGFDKENVYEELRAAIRASPQFRFDWFIKSRTALELQRRCNTLITLIE RENIELEEKERAEKKKKAPKGSVSAGS 111111111000000000011111111000000000000000000000000000000000000000000011111 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000111111111 1111

>DM\_train810 TEEPDFTALCQKLKIPDHVRERAWLTWEKVSSVDGVLGGYIQKKKELWGICIFIAAVDLDEMSFTFTEL QKNIEISVHKFFNLLKEIDTSTKVDNAMSRLLKKYDVLFALFSKLERTCELIYLTQPSSSISTEINSALVLKV SWITFLLAKGEVLQMEDDLVISFQLMLCVLDYFIKLSPPMLLKEPYKTAVIPINGSPRTPRRGQNRSARI AKQLENDTRIIEVLCKEHECNIDEVKNVYFKNFIPFMNSLGLVTSNGLPEVENLSKRYEEIYLKNKDLDA RLFLDHDKTLQTDSIDSFETQR 000000000000000000000000000000001111111111000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000001110000000000000000000000000000000000011111111111111111111111110000000 000000000000000000000000000111111100000000000000000000000000000000000000000 0000

>DM\_train811 EERPYAYVKISDGCDRGCTFCSIPSFKGSLRSRSIEDITREVEDLLKEGKKEIILVAQDTTSYGIDLYRKQAL PDLLRRLNSLNGEFWIRVMYLHPDHLTEEIISAMLELDKVVKYFDVPVQHGSDKILKLMGRTKSSEELK KMLSSIRERFPDAVLRTSIIVGFPGETEEDFEELKQFVEEIQFDKLGAFVYSDEEGTVAFNLKEKVDPEMA KRRQEELLLLQAEISNSRLDRFVGKKLKFLVEGKEGKFLVGRTWTEAPEVDGVVFVRGKGKIGDFLEVVI KEHDEYDMWGSVILEHHHHHH 100000000000111111111111111000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000111111111110000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000001111 1111

>DM\_train812 KLFLFEFATCGERIEDSTAVEGLAMFKSAFDGFKNYYEITGFVRPEFSCLFTLPVDSMDSMEKYLEKSDA FLIIAPEDDFLLYTLTKKAEKYCENLGSSSRAIAVTSDKWELYKKLRGEVQVPQTSLRPLDCKFIIKPRTAC AGEGIGFSDEVPDGHIAQEFIEGINLSVSLAVGEDVKCLSVNEQIINNFRYAGAVVPARISDEVKREVVE EAVRAVECVEGLNGYVGVDIVYSDQPYVIEINARLTTPVVAFSRAYGASVADLLAGGEVKHVRRQMV RKSKSAEKPYVSVGDYTLEIIDLD 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000011110000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000

>DM\_train813 MGPFDPEEMLFIFTRCMEDNLEDGANRLPMLAKWKEWINEPVDSPATQCFGKCVLVRTGLYDPVAQ KFDASVIQEQFKAYPSLGEKSKVEAYANAVKQLPSTNNDCAAVFKAYDPVHKAHKDTSKNLFHGNKE LTKGLYEKLGKDIRQKKQSYFEFCENKYYPAGSDKRQQLCQIRQYTVLDDALFKEHTDCVMKGIRYITK DNQLDVEEVKRDFKLVNKDTKALEEVLNDCKSKEPSNAKEKSWHYYKCLVESSVKDDFKEAFDYREV RSQIYAFNLPKNQAYSKPAVQSQVMEIDGKQCPQ 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000011110000000 000

>DM\_train814 MKITVLGCGALGQLWLTALCKQGHEVQGWLRVPQPYCSVNLVETDGSIFNESLTANDPDFLATSDLL LVTLKAWQVSDAVKSLASTLPVTTPILLIHNGMGTIEELQNIQQPLLMGTTTHAARRDGNVIIHVANGI THIGPARQQDGDYSYLADILQTVLPDVAWHNNIRAELWRKLAVNCVINPLTAIWNCPNGELRHHPQ EIMQICEEVAAVIEREGHHTSAEDLRDYVMQVIDATAENISSMLQDIRALRHTEIDYINGFLLRRARAH GIAVPENTRLFEMVKRKESEYERIGTGLPRPW 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000011111111 111

>DM\_train815 GPVDSTDVRRITPKKLRELSDLLRTHLSSAATKQLDMGGVLSDLDTMLVALDKAEREGGVDKDQLKSF NSLILKTYRVIEDYVKGREGDTKNSSTEVSPYHRSNFMLSIVEPSLQRIQKHLDQTHSFSDIGSLVRAHK HLETLLEVLVTLSQQGQPVSSETYGFLNRLAEAKITLSQQLNTLQQQQESAKAQLSILINRSGSWADV ARQSLQRFDSTRPVVKFGTEQYTAIHRQMMAAHAAITLQEVSEFTDDMRNFTVDSIPLLIQLGRSSLM DEHLVEQREKLRELTTIAERLNRLEREWM 111111111000000000000000000000000000000000000000000000000110000000000000000 000000000011111111111111111100000000000000000000000000000000000000000000000 001110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 001

>DM\_train816 MSLTNDERILSWNETPSKPRYTPPPGAIDAHCHVFGPMAQFPFSPKAKYLPRDAGPDMLFALRDHLG FARNVIVQASCHGTDNAATLDAIARAQGKARGIAVVDPAIDEAELAALHEGGMRGIRFNFLKRLVDD APKDKFLEVAGRLPAGWHVVIYFEADILEELRPFMDAIPVPIVIDHMGRPDVRQGPDGADMKAFRRLL DSREDIWFKATCPDRLDPAGPPWDDFARSVAPLVADYADRVIWGTDWPHPNMQDAIPDDGLVVD MIPRIAPTPELQHKMLVTNPMRLYWSEEMEGHHHHHH 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000001111 111

>DM\_train817 MKGLKERQDRRLGAFLGLAVGDALGAQVEGLPKGTFPEVREMKGGGPHRLPPGFWTDDTSQALCL AESLLQRGFDPKDQMDRYLRWYREGYRSATGVCFGLGHATRRALERYAATGDPYAGDEAGAGNGP LMRLAPLVLAYENHPDLLSLARRAARTTHGAREALEATEVLAWLLREALRGAPKEALLALEPFRGADLH PALRRVVEGGFWEAPEEGPGYAPGTLAAALWAFARGRDFEEGMRLAVNLGGDADTVGAVYGQLAG AYYGLGAIPGRWLRALHLREEMEALALALYRMSMASPRE 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000011111111111100000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 111

>DM\_train819 TKIDAYAHILPAKYYQKMLSVEPNIPNMFPFIKIKTLMDLDERLTKWPDQNTKQVISLANISPEDFTDSK TSAELCQSANEELSNLVDQHPGKFAGAVAILPMNNIESACKVISSIKDDENLVGAQIFTRHLGKSIADK EFRPVLAQAAKLHVPLWMHPVFDARKPDNNLVFSWEYELSQAMLQLVQSDLFQDYPNLKILVHHA GAMVPFFSGRIDHILDEKHAQDFKKFYVDTAILGNTPALQLAIDYYGIDHVLFGTDAPFAVMPSGADQ IITQAINDLTISDKDKQKIFHDNYYSLIKE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train820 MSQLLQDYLNWENYILRRVDFPTSYVVEGEVVRIEAMPRLYISGMGGSGVVADLIRDFSLTWNWEVE VIAVKDYFLKARDGLLIAVSYSGNTIETLYTVEYAKRRRIPAVAITTGGRLAQMGVPTVIVPKASAPRAAL PQLLTAALHVVAKVYGIDVKIPEGLEPPNEALIHKLVEEFQKRPTIIAAESMRGVAYRVKNEFNENAKIEP SVEILPEAHHNWIEGSERAVVALTSPHIPKEHQERVKATVEIVGGSIYAVEMHPKGVLSFLRDVGIASVK LAEIRGVNPLATPRIDALKRRLQ 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train821 MAAINTKVKKAVIPVAGLGTRMLPATKAIPKEMLPLVDKPLIQYVVNECIAAGITEIVLVTHSSKNSIEN HFDTSFELEAMLEKRVKRQLLDEVQSICPPHVTIMQVRQGLAKGLGHAVLCAHPVVGDEPVAVILPD VILDEYESDLSQDNLAEMIRRFDETGHSQIMVEPVADVTAYGVVDCKGVELAPGESVPMVGVVEKPK ADVAPSNLAIVGRYVLSADIWPLLAKTPPGAGDEIQLTDAIDMLIEKETVEAYHMKGKSHDCGNKLGY MQAFVEYGIRHNTLGTEFKAWLEEEMGIKK 111110000000000000000000000000000000000000000000000000000000000000000000000 000000011110000000000000000000000001100000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000111111100000000000000000 000000110000000000000000000000000000000000000000000000000000000000000000011

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>DM\_train822 MTATAETSTGTKVVLGQNQYGKAEVRLVKVTRNTARHEIQDLNVTSQLRGDFEAAHTAGDNAHVV ATDTQKNTVYAFARDGFATTEEFLLRLGKHFTEGFDWVTGGRWAAQQFFWDRINDHDHAFSRNKS EVRTAVLEISGSEQAIVAGIEGLTVLKSTGSEFHGFPRDKYTTLQETTDRILATDVSARWRYNTVEVDFD AVYASVRGLLLKAFAETHSLALQQTMYEMGRAVIETHPEIDEIKMSLPNKHHFLVDLQPFGQDNPNE VFYAADRPYGLIEATIQREGSRADHPIWSNIAGFC 111111111100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000111

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>DM\_train823 MRGSHHHHHHTDPHASSVPLEWPLSSQSGSYELRIEVQPKPHHRAHYETEGSRGAVKAPTGGHPVV QLHGYMENKPLGLQIFIGTADERILKPHAFYQVHRITGKTVTTTSYEKIVGNTKVLEIPLEPKNNMRATI DCAGILKLRNADIELRKGETDIGRKNTRVRLVFRVHIPESSGRIVSLQTASNPIECSQRSAHELPMVERQ DTDSCLVYGGQQMILTGQNFTSESKVVFTEKTTDGQQIWEMEATVDKDKSQPNMLFVEIPEYRNKHI RTPVKVNFYVINGKRKRSQPQHFTYHPV 111111111111111111111000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train824 TVNQAKIFAQTTKMLEFAKQLLETDDFSTLREAYYVSKNWGEARFDDQQASNNVIEDLEAALGVLRE HLGFIPEEDGSSVVGPLKIIEETPEGELVVDCTKLGTGAYNIPNDVTKLNLETDADFILAIETSGMFARLN AERFWDKHNCILVSLKGVPARATRRFIKRLHEEHDLPVLVFTDGDPYGYLNIYRTLKVGSGKAIHLADK LSIPAARLIGVTPQDIIDYDLPTHPLKEQDIKRIKDGLKNDDFVRSFPEWQKALKQMLDMGVRAEQQS LAKYGLKYVVNTYLPEKIKDESTWLP 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000011111111100000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train825 GMSSKAEKDIKWGIAPIGWRNDDIPSIGKDNNLQQLLSDIVVAGFQGTEVGGFFPGPEKLNYELKLRN LEIAGQWFSSYIIRDGIEKASEAFEKHCQYLKAINAPVAVVSEQTYTIQRSDTANIFKDKPYFTDKEWDE VCKGLNHYGEIAAKYGLKVAYHHHMGTGIQTKEETDRLMANTDPKLVGLLYDTGHIAVSDGDYMAL LNAHIDRVVHVHFKDVRRSKEEECRAKGLTFQGSFLNGMFTVPGDGDLDFKPVYDKLIANNYKGWIV VEAEQDPSKANPLEMAQIAHRYIKQHLIEN 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train826 MKPADLTNADRIALELGHAGRNAIPYLDDDRNADRPFTLNTYRPYGYTPDRPVVVVQHGVLRNGAD YRDFWIPAADRHKLLIVAPTFSDEIWPGVESYNNGRAFTAAGNPRHVDGWTYALVARVLANIRAAEI ADCEQVYLFGHSAGGQFVHRLMSSQPHAPFHAVTAANPGWYTLPTFEHRFPEGLDGVGLTEDHLA RLLAYPMTILAGDQDIATDDPNLPSEPAALRQGPHRYARARHYYEAGQRAAAQRGLPFGWQLQVV PGIGHDGQAMSQVCASLWFDGRMPDAAELARLAGSQSA 111100000000000000000000000011100000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000110000000 000000000000000000000000000000000000000000000000000000000000000000000001111

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>DM\_train827 ATGDFPNKPLDIIVTFPPGGGTDMLARLIGNYLTESLGQTAVVENRPGASGNVGARLVADRAPDGYS LLMVNSSFAVNPGVFRNLPFDPKKDFAAVINVAYVPSVFVVPAGSKYKTLGELMAAAKQTNTQVTYG SCGNGTPQHLAGELLNVSAKTHMVHVPYKGCGPALNDVLGSQIGLAVVTASSAIPFIKAGKLQALAV TSKERSALLPEVPTVAEQGVAGYELNQWHGLLVPGATPMAVRQKLYDGIAKVMQRDDVQKKLADL GYSTASDGPEVFQKMVETDIDRFSALTKQIGLKVD 111100000000000001111110000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train

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>DM\_train829 MPIIIDKDLPARKVLQEENIFVMTKERAETQDIRALKIAILNLMPTKQETEAQLLRLIGNTPLQLDVHLLH MESHLSRNVAQEHLTSFYKTFRDIENEKFDGLIITGAPVETLSFEEVDYWEELKRIMEYSKTNVTSTLHIC WGAQAGLYHHYGVQKYPLKEKMFGVFEHEVREQHVKLLQGFDELFFAVHSRHTEVRESDIREVKELT LLANSEEAGVHLVIGQEGRQVFALGHSEYSCDTLKQEYERDRDKGLNIDVPKNYFKHDNPNEKPLVR WRSHGNLLFSNWLNYYVYQETPYVL 111111111111111100000000000000000000000000000000000000000000000000000000001 111111111110000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000001111

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>DM\_train831 MTDDKKIRAAIVGYGNIGRYALQALREAPDFEIAGIVRRNPAEVPFELQPFRVVSDIEQLESVDVALVCS PSREVERTALEILKKGICTADSFDIHDGILALRRSLGDAAGKSGAAAVIASGWDPGSDSVVRTLMQAIV PKGITYTNFGPGMSMGHTVAVKAIDGVKAALSMTIPLGTGVHRRMVYVELLPGHNLEEVSAAIKADE YFVHDETHVIQVDEVDALIDMGHGVRMVRKGVSGSTQNQRMSFDMEINNPALTGQVLVCAARAA MRQQPGAYTLQEIPVIDLLPGDREQWIGKLC 111100000000000000000000000000000000000111111100000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train832 MILLEVNNRIIEETLALKFENAAAGNKPEAVEVTFADFDGVLYHISNPNGDKTKVMVSISLKFYKELQA HGADELLKRVYGSYLVNPESGYNVSLLYDLENLPASKDSIVHQAGMLKRNCFASVFEKYFQFQEEGKE GENRAVIHYRDDETMYVESKKDRVTVVFSTVFKDDDDVVIGKVFMQEFKEGRRASHTAPQVLFSHRE PPLELKDTDAAVGDNIGYITFVLFPRHTNASARDNTINLIHTFRDYLHYHIKCSKAYIHTRMRAKTSDFL KVLNRARPDAEKKEMKTITGKTFSSR 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000001111111111111111 >DM\_train833 MAIPAFHPGELNVYSAPGDVADVSRALRLTGRRVMLVPTMGALHEGHLALVRAAKRVPGSVVVVSIF VNPMQFGAGGDLDAYPRTPDDDLAQLRAEGVEIAFTPTTAAMYPDGLRTTVQPGPLAAELEGGPRP THFAGVLTVVLKLLQIVRPDRVFFGEKDYQQLVLIRQLVADFNLDVAVVGVPTVREADGLAMSSRNR YLDPAQRAAAVALSAALTAAAHAATAGAQAALDAARAVLDAAPGVAVDYLELRDIGLGPMPLNGS GRLLVAARLGTTRLLDNIAIEIGTFAGTDRPDGYR 100000000000000000000000000000000000000000000000000000000000000000000000111 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000111111111111 >DM\_train834 MEDLYPSRQNNQPKILKRKDPVIYTDRSKDNQAPITKEQLDSYEKNGFLQIKNFFSEDEVIDMQKAIFE LQDSIKDVASDKVIREPESNDIRSIFHVHQDDNYFQDVANDKRILDIVRHLLGSDVYVHQSRINYKPGF KGKEFDWHSDFETWHVEDGMPRMRAISVSIALSDNYSFNGPLMLIPGSHNYFVSCVGETPDNNYKE SLKKQKLGVPDEESLRELTRIGGGISVPTGKAGSVTLFESNTMHGSTSNITPYPRNNLFMVYNSVKNRL VEPFSGGEKRPEYIAVREKQPVYSAVN 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000001111111111111111100000000000000 000000000000000000000000000000000000000000000000000000000000000000000001111 >DM\_train835 MDLVEEILRLKEERNAIILAHNYQLPEVQDIADFIGDSLELARRATRVDADVIVFAGVDFMAETAKILNP DKVVLIPSREATCAMANMLKVEHILEAKRKYPNAPVVLYVNSTAEAKAYADVTVTSANAVEVVKKLDS

DVVIFGPDKNLAHYVAKMTGKKIIPVPSKGHCYVHQKFTLDDVERAKKLHPNAKLMIHPECIPEVQEK ADIIASTGGMIKRACEWDEWVVFTEREMVYRLRKLYPQKKFYPAREDAFCIGMKAITLKNIYESLKDMK YKVEVPEEIARKARKAIERMLEMSK 000000000000000000000000000000000000000000000000000000000000000000000000000 000111111111111000000000000000000000000000000000000000000000000000000000000 000000000000001111111111100000000000000000000000000000000000000000000000000 000000000000000000000000000000011110000000000000000000000000000000000000011 >DM\_train836 MKKSALEKLLSLIENLTNQEFKQATNSLISFIYKLNRNEVIELVRSIGILPEAIKPSSTQEKLFSKAGDIVLAK AFQLLNLNSKPLEQRGNAGDVIALSKEFNYGLVADAKSFRLSRTAKNQKDFKVKALSEWREDKDYAV LTAPFFQYPTTKSQIFKQSLDENVLLFSWEHLAILLQLDLEETNIFSFEQLWNFPKKQSKKTSVSDAENN FMRDFNKYFMDLFKIDKDTLNQLLQKEINFIEERSLIEKEYWKKQINIIKNFTREEAIEALLKDINMSSKIET IDSFIKGIKSNDRLYL 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train837 FVSSHRYVETMLVADQSMAEFHGSGLKHYLLTLFSVAARLYKHPSIRNSVSLVVVKILVIHDEQKGPEV TSNAALTLRNFCNWQKQHNPPSDRDAEHYDTAILFTRQDLCGSQTCDTLGMADVGTVCDPSRSCS VIEDDGLQAAFTTAHELGHVFNMPHDDAKQCASLNGVNQDSHMMASMLSNLDHSQPWSPCSAY MITSFLDNGHGECLMDKPQNPIQLPGDLPGTSYDANRQCQFTFGEDSKHCPDAASTCSTLWCTGTS GGVLVCQTKHFPWADGTSCGEGKWCINGKCVNKLVPR 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000011111000000011100000000000000000000000000000000000000000 000000000000000000000001111000000000111100000000000000000000000000000000001 >DM\_train838 MMPEGKIIKALSGFYYVLDESEDSDKVIQCRGRGIFRKNKITPLVGDYVVYQAENDKEGYLMEIKERTN ELIRPPICNVDQAVLVFSAVQPSFSTALLDRFLVLVEANDIQPIICITKMDLIEDQDTEDTIQAYAEDYRN IGYDVYLTSSKDQDSLADIIPHFQDKTTVFAGQSGVGKSSLLNAISPELGLRTNEISEHLGRGKHTTRHV ELIHTSGGLVADTPGFSSLEFTDIEEEELGYTFPDIREKSSSCKFRGCLHLKEPKCAVKQAVEDGELKQYR YDHYVEFMTEIKDRKPRY 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000011111111111111111110000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train839 GLDVAISQNGFFRLVDSNGSVFYSRNGQFKLDENRNLVNMQGMQLTGYPATGTPPTIQQGANPAP ITIPNTLMAAKSTTTASMQINLNSTDPVPSKTPFSVSDADSYNKKGTVTVYDSQGNAHDMNVYFVKT KDNEWAVYTHDSSDPAATAPTTASTTLKFNENGILESGGTVNITTGTINGATAATFSLSFLNSMQQNT GANNIVATNQNGYKPGDLVSYQINNDGTVVGNYSNEQEQVLGQIVLANFANNEGLASQGDNVW AATQASGVALLGTAGSGNFGKLTNGALEASNVDLSK 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train840 MIKQRTLKNIIRATGVGLHSGEKVYLTLKPAPVDTGIVFSRTDLDPVVEIPARAENVGETTMSTTLVKGD VKVDTVEHLLSAMAGLGIDNAYVELSASEVPIMDGSAGPFVFLIQSAGLQEQEAAKKFIRIKREVSVEE GDKRAVFVPFDGFKVSFEIDFDHPVFRGRTQQASVDFSSTSFVKEVSRARTFGFMRDIEYLRSQNLAL GGSVENAIVVDENRVLNEDGLRYEDEFVKHKILDAIGDLYLLGNSLIGEFRGFKSGHALNNQLLRTLIA DKDAWEVVTFEDARTAPISYMRP 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000011111111111 >DM\_train841 MEFKLQELNLTNQDTGPYGITVSDKGKVWITQHKANMISCINLDGKITEYPLPTPDAKVMCLTISSDG EVWFTENAANKIGRITKKGIIKEYTLPNPDSAPYGITEGPNGDIWFTEMNGNRIGRITDDGKIREYELPN KGSYPSFITLGSDNALWFTENQNNAIGRITESGDITEFKIPTPASGPVGITKGNDDALWFVEIIGNKIGRI TTSGEITEFKIPTPNARPHAITAGAGIDLWFTEWGANKIGRLTSNNIIEEYPIQIKSAEPHGICFDGETIWF AMECDKIGKLTLIKDNME 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000011111 >DM\_train842 CVIFPVEIDVSQTIIRDCQVDKQTRELVYINKIMNTQLTKPVLMMFNISGPIRSVTRKNNNLRDRIKSKP DEQFDQLEKDYSDQMDGFHDSIKYFKDEHYSVSCQNGSVLKSKFAKILKSHDYTDKKSIEAYEKYCLPK LVDERNDYYVAVCVLKPGFENGSNQVLSFEYNPIGNKVIVPFAHEINDTGLYEYDVVAYVDSVQFDGE QFEEFVQSLILPSSFKNSEKVLYYNEASKNKSMIYKALEFTTESSWGKSEKYNWKIFCNGFIYDKKSKVLY VKLHNVTSALNKNVILNTIK 111100000000000000000000000000000000000000000000000000000000000000000000000 000000111111110000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000001110000000000001111111100000000000000000000000000000000000000000 >DM\_train843 MLIDPIELYRYPEKWIKDRDAEKKVRSGLYILTEDGYLRRGITTGTTASAAAVAAIASLKEKVEKVKVSTP AGVDVEVEVEAEKGFARVRKFSGDHEFDVTNGIIFEAEVCETSGIFFGRGVGVKAGEKAVSRSAKLQILE NFIKASREFNFSGGVRISVPDGEEVAKKTGNEKVGIKGGISILGTTGFVEPWCKKLVETKLKIAMQYHRI AITTGRKAWLYARKKFPEYQPFVFGVHIDEALKHPGEKIIVGFPGLLKIWAGSRDRIEERAREEGVRVVVI EDDMDSWVWDVQGTDH 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000001111111111111111 >DM\_train844

SDESFEFDVSVIGLGAMGTIMAQVLLKQGKRVAIWNRSPGKAAALVAAGAHLCESVKAALSASPATIF VLLDNHATHEVLGMPGVARALAHRTIVDYTTNAQDEGLALQGLVNQAGGHYVKGMIVAYPRNVG HRESHSIHTGDREAFEQHRALLEGLAGHTVFLPWDEALAFATVLHAHAFAAMVTFFEAVGAGDRFGL PVSKTARLLLETSRFFVADALEEAVRRLETQDFKGDQARLDVHADAFAHIAQSLHAQGVWTPVFDAV

CQVVQRAAAMGYGDQDIAATTKSFAREQEEGH 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000001111111 >DM\_train845 MTDTQYIGRFAPSPSGELHFGSLIAALGSYLQARARQGRWLVRIEDIDPPREVPGAAETILRQLEHYGL HWDGDVLWQSQRHDAYREALAWLHEQGLSYYCTCTRARIQSIGGIYDGHCRVLHHGPDNAAVRIR QQHPVTQFTDQLRGIIHADEKLAREDFIIHRRDGLFAYNLAVVVDDHFQGVTEIVRGADLIEPTVRQIS LYQLFGWKVPDYIHLPLALNPQGAKLSKQNHAPALPKGDPRPVLIAALQFLGQQAEAHWQDFSVEQ ILQSAVKNWRLTAVPESAIVNSTFSNASC 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000011 1111111111100000000000000000000000000000000000000000000000000000111111111 >DM\_train846 MGSDKIHHHHHHMITFIGHVSKDVNVVDGKREIAYGGGVVMGAITSSLLGVKTKVITKCTREDVSKFS FLRDNGVEVVFLKSPRTTSIENRYGSDPDTRESFLISAADPFTESDLAFIEGEAVHINPLWYGEFPEDLIP VLRRKVMFLSADAQGFVRVPENEKLVYRDWEMKEKYLKYLDLFKVDSREAETLTGTNDLRESCRIIRSF GAKIILATHASGVIVFDGNFYEASFRSWSLEGRTGRGDTCTAAFLVGFVFKKMSIEKATKFAAAVTSVK MRHPGPLRREDLEAISGDQYF 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000001111100000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000000011111 >DM\_train847 GAMVVSPAGADRRIPTWASRVVSGLARDRPVVVTKEDLTQRLTEAGCGRDPDSAIRELRRIGWLVQL PVKGTWAFIPPGEAAISDPYLPLRSWLARDQNAGFMLAGASAAWHLGYLDRQPDGRIPIWLPPAKRL PDGLASYVSVVRIPWNAADTALLAPRPALLVRRRLDLVAWATGLPALGPEALLVQIATRPASFGPWA DLVPHLDDLVADCSDERLERLLSGRPTSAWQRASYLLDSGGEPARGQALLAKRHTEVMPVTRFTTAH SRDRGESVWAPEYQLVDELVVPLLRVIGKA 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000011100000000000000000000000001 >DM\_train848 MSERIVPSGDVELWSDDFGDPADPALLLVMGGNLSALGWPDEFARRLADGGLHVIRYDHRDTGRST TRDFAAHPYGFGELAADAVAVLDGWGVDRAHVVGLSMGATITQVIALDHHDRLSSLTMLLGGGLDI DFDANIERVMRGEPTLDGLPGPQQPFLDALALMNQPAEGRAAEVAKRVSKWRILSGTGVPFDDAEY ARWEERAIDHAGGVLAEPYAHYSLTLPPPSRAAELREVTVPTLVIQAEHDPIAPAPHGKHLAGLIPTAR

LAEIPGMGHALPSSVHGPLAEVILAHTRSAA 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train849 MEEKQILCVGLVVLDVISLVDKYPKEDSEIRCLSQRWQRGGNASNSCTVLSLLGAPCAFMGSMAPGH VADFVLDDLRRYSVDLRYTVFQTTGSVPIATVIINEASGSRTILYYDRSLPDVSATDFEKVDLTQFKWIHI EGRNASEQVKMLQRIDAHNTRQPPEQKIRVSVEVEKPREELFQLFGYGDVVFVSKDVAKHLGFQSAE EALRGLYGRVRKGAVLVCAWAEEGADALGPDGKLLHSDAFPPPRVVDTLGAGDTFNASVIFSLSQGR SVQEALRFGCQVAGKKCGLQGFDGIV 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train850 MPAPEAPTSTLPPERPLTNLQQQIQQLVSRQPNLTAGLYFFNLDSGASLNVGGDQVFPAASTIKFPIL VAFFKAVDEGRVTLQERLTMRPDLIAPEAGTLQYQKPNSQYAALEVAELMITISDNTATNMIIDRLGG AAELNQQFQEWGLENTVINNPEPDMKGTNTTSPRDLATLMLKIGQGEILSPRSRDRLLDIMRRTVTN TLLPAGLGKGATIAHKTGDIGIVVGDAGMVDMPNGQRYVAAMMVKRPYNDPRGSELIRQVSRMVY QAFEKLSPPEQKLISEEDLNSAVDHHHHHH 111111111100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000111111111111111111111111 >DM\_train851 GASTVEKELLRSRRLENSIIEQKGTMRCYAYVMEQNLPENLLFDYENGVITQGLSEHVYKFNRVIPHLK VSEDKFFTQEYSVYHDMCLNQKKNFNLISLSTTPHGSLRESLIKFLAEKDTIYQKQYVITLQFVFLSDDEF SQDMLLDYSHNDKDSIKLKFEKHSISLDSKLVIIENGLEDLPLNFSCDEHPNLPHSGMGIIKVQFFPRDS KSDGNNDPVPVDFYFIELNNLKSIEQFDKSIFKKESCETPIALVLKKLISDTKSFFLLNLNDSKNVNKLLTIS EEVQTQLCKRKKKLT 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000011 111000000000000000000000000000000000001111111000000000000000111111100000000 0000000000000000000100000000000000000000000000000000000000000000001111111 >DM\_train852 ELSENFKKLMKYPYRPCTCTRCIEEQRVSAWFDERFNRSMQPLLTAKNAHLEEDTYKWWLRLQREKQ PNNLNDTIRELFQVVPGNVDPLLEKRLVSCRRCAVVGNSGNLKESYYGPQIDSHDFVLRMNKAPTEG FEADVGSKTTHHFVYPESFRELAQEVSMILVPFKTTDLEWVISATTTGRISHTYVPVPAKIKVKKEKILIYH PAFIKYVFDRWLQGHGRYPSTGILSVIFSLHICDEVDLYGFGADSKGNWHHYWENNPSAGAFRKTGV HDGDFESNVTTILASINKIRIFKGR 111111111111111000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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GEALRRIAEGAAMIRTKGEAGTGNVVEAVRHARTMWKEIRYVQSLREDELMAYAKEIGAPFELVKWV HDHGRLPVVNFAAGGIATPADAALMMHLGMDGVFVGSGIFKSGDPRKRARAIVRAVAHYNDPEVL AEVSEDLGEPMVGINLDQLKEEERLAKRGW

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>DM\_train858 EPVQVFTDDLGRKVTVPAHPKRIVSLHDLDITIPLIELGVPPVASHGRTRPDGSHFIRSGALLTGVDFDN SSIAFIGTADIDIEAIVAAKPDLIITEPTRNTPIERLEKIAPTVSIDHLKGGAPEIYRKLAELTGTQSQLAILER RYQAQINALKATLDSQKITVSVIQANQGKINVMHSYHSLGRVLRDAGFRFPPLIESIPEGGRMDVSAE RLPELDADFVFATWRGDTGGKPQDELATMEKVMPGWCQFLTACRSGRYVLISREEAISNSFASLGLM AAQIQSQIAGRPLPEAK 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000111 >DM\_train859 MRERIREHLSSEESVGLLFSGCTGINDKTLGARGGEVIMVTSGSGMGKSTFVRQQALQWGTAMGKK VGLAMLEESVEETAEDLIGLHNRVRLRQSDSLKREIIENGKFDQWFDELFGNDTFHLYDSFAEAETDRL LAKLAYMRSGLGCDVIILDHISIVVSASGESDERKMIDNLMTKLKGFAKSTGVVLVVICHLKNPDKGKA HEEGRPVSITDLRGSGALRQLSDTIIALERNQQGDMPNLVLVRILKCRFTGDTGIAGYMEYNKETGWL EPSSYSGEEESHSESTDWSNDTDF 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000001111111111000000000000000000000000000001111111111111111111110000000 00000000001111110000000000000000000000000000000000001111111111111111111 >DM\_train860 MSFFHASQRDALNQSLAEVQGQINVSFEFFPPRTSEMEQTLWNSIDRLSSLKPKFVSVTYGANSGER DRTHSIIKGIKDRTGLEAAPHLTCIDATPDELRTIARDYWNNGIRHIVALRGDLPPGSGKPEMYASDLVT LLKEVADFDISVAAYPEVHPEAKSAQADLLNLKRKVDAGANRAITQFFFDVESYLRFRDRCVSAGIDVE IIPGILPVSNFKQAKKLADMTNVRIPAWMAQMFDGLDDDAETRKLVGANIAMDMVKILSREGVKDF HFYTLNRAEMSYAICHTLGVRPGL 111111111111111111111000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000111111110000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000011 >DM\_train863 MWRIELKHAVNWELKMKFFVLPELPTPDVVESGVWRRAIVLDGRAVAVMAYPESERTIVVEGNFENR EWEAVRRKLVEYLGLQNPEELYRFMDGDEKLRMLKNRFYGFGRAGLMSMSVFEGIAKAIIQQQISFVV AEKLAAKIVGRFGDEVEWNGLKFYGFPTQEAILKAGVEGLRECGLSRRKAELIVEIAKEENLEELKEWGE EEAYEYLTSFKGIGRWTAELVLSIALGKNVFPADDLGVRRAVSRLYFNGEIQSAEKVREIARERFGRFAR DILFYLFLYDRFFSKKTELV 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train865 SKLGYIPNQAARTLITNKTLTIGLIQKSSAPEIRQNPFNSDVLNGINQACNVRGYSTRMTVSENSGDLY HEVKTMIQSKSVDGFILLYSLKDDPIEHLLNEFKVPYLIVGKSLNYENIIHIDNDNIDAAYQLTQYLYHLG HRHILFLQESGHYAVTEDRSVGFKQYCDDVKISNDCVVIKSMNDLRDFIKQYCIDASHMPSVIITSDV MLNMQLLNVLYEYQLRIPEDIQTATFNTSFLTENATPSQTSVNINPDVLGFTAGNTIIDVLRNETISFRE KLISTQIVERVSTTKI 111111111111111111110000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000111111111000000000000000000000000000 000000000000000000000000000000000000000000000111111000000000000000000 >DM\_train866 MEARNMTPFTYFSLPMQKLFLRNQAAVRNKPYAKYFRSEMRVPLSAVRKIQQGPMALEDTLTPSIEDI NRLLEPDFVSEESGYALLPGPMAYVQSRKFFPGCTAQMFKWWFIWHPAESERYTLWFPYAHVSNPC VHHQRLRDESLSFEERLYGNTFCASEYVGDRLMHLHIDFQQPASLGLNTDLYREAKIDGSVSALMSLA DHPEVPVSLMVHLFKEVPDGMYLTSRYWVGAHPSMARFPGAEKAASLLKENGFGEAELETLAYEFAV HDMCEFNHLASFLPDLYREFGTPAA 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000111 >DM\_train867 MGAPPLGPTIIPPVRTLWLRDRALDLDRVRLLGVLNLTPDSFSDGGRYLDPERALERAREMVAEGADIL DLGAESTRPGAAPVPVEEEKRRLLPVLEAVLSLGVPVSVDTRKPEVAEEALKLGAHLLNDVTGLRDERM VALAARHGVAAVVMHMPVPDPATMMAHARYRDVVAEVKAFLEAQARRALSAGVPQVVLDPGFGF GKLLEHNLALLRRLDEIVALGHPVLVGLSRKRTIGELSGVEDPAQRVHGSVAAHLFAVMKGVRLLRVH DVRAHREALGVWEALYGGDRPSRA 111111111111110000000000000000000000000111111111110000000000000000000000000 111111110000000000000000000000000000000000000000000000000000000000000000000 000000011111100000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000011111111 >DM\_train868 MVLRDKMILLDENTKAIVQGITGRQGSFHTKKMLECGTKIVGGVTPGKGGQNVHGVPVFDTVKEAV KETDANASVIFVPAPFAKDAVFEAIDAGIELIVVITEHIPVHDTMEFVNYAEDVGVKIIGPNTPGIASPKV GKLGIIPMEVLKEGSVGMVSRSGTLTYEIAHQIKKAGFGVSTCVGIGGDPIVGLRYKEVLDLFEKDDETE AIVMIGEIGGGAEEEAAKFIEKMKKPVIGYIAGQSAPEGKRMGHAGAIVEKGKGTAESKMKALEEAGAY VAKNISDIPKLLAGILGK 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000011111111111111111110000000000000000000000000000000001 >DM\_train869

PVYEHLLPVNGAWRQDVTNWLSEDVPSFDFGGYVVGSDLKEANLYCKQDGMLCGVPFAQEVFNQ CELQVEWLFKEGSFLEPSKNDSGKIVVAKITGPAKNILLAERTALNILSRSSGIATASHKIISLARSTGYKG TIAGTRKTTPGLRRLEKYSMLVGGCDTHRYDLSSMVMLKDNHIWATGSITNAVKNARAVCGFAVKIE VECLSEDEATEAIEAGADVIMLDNFKGDGLKMCAQSLKNKWNGKKHFLLECSGGLNLDNLEEYLCDD

IDIYSTSSIHQGTPVIDFSLKLAH 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 001111111111111111111110000000000001111110000000000000000000000000000 >DM\_train870 MDQECIENYAKVNGIYIYYKLCKAPEEKAKLMTMHGGPGMSHDYLLSLRDMTKEGITVLFYDQFGCG RSEEPDQSKFTIDYGVEEAEALRSKLFGNEKVFLMGSSYGGALALAYAVKYQDHLKGLIVSGGLSSVPL TVKEMNRLIDELPAKYRDAIKKYGSSGSYENPEYQEAVNYFYHQHLLRSEDWPPEVLKSLEYAERRNV YRIMNGPNEFTITGTIKDWDITDKISAIKIPTLITVGEYDEVTPNVARVIHEKIAGSELHVFRDCSHLTMW EDREGYNKLLSDFILKHL 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000 >DM\_train871 MTTNLTNSNCVEEYKENGKTKIRIKPFNALIELYHHQTPTGSIKENLDKLENYVKDVVKAKGLAIPTSGA FSNTRGTWFEVMIAIQSWNYRVKRELNDYLIIKMPNVKTFDFRKIFDNETREKLHQLEKSLLTHKQQVR LITSNPDLLIIRQKDLIKSEYNLPINKLTHENIDVALTLFKDIEGKCKWDSLVAGVGLKTSLRPDRRLQLVH EGNILKSLFAHLKMRYWNPKAEFKYYGASSEPVSKADDDALQTAATHTIVNVNSTPERAVDDIFSLTSF EDIDKMLDQIIKK 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000 >DM\_train872 TNLLPNIKEDKMLTLRREIKSPSKSALDSFTLIMQTYNRTDLLLRLLNHYQAVPSLHKVIVVWNNVGEK GPEELWNSLGPHPIPVIFKPQTANKMRNRLQVFPEVETNAVLMVDDDTLISAQDLVFAFSIWQQFPD QIIGFVPRKHVSTSSGIYSYGGFELQTPGPGNGDQYSMVLIGASFFNSKYLELFQKQPAAVHALIDETQ NCDDIAMNFLVTRHTGKPSGIFVKPINMVNLEKETNGYSGMWHRAEHFLQRSYCINKLVNIYDGMPL KYSNIMISQFGFPYANHKSKM 111111111111111111111111100000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000111111111111110000000000000000000000000000000000000000111 >DM\_train873 TAKNLHPLLGEKLNLARIENQHHFQSYLTAESPAYLSQHQVFNKVLFPATGYLEIAAAVGKNLLTTGE QVVVSDVTIVRGLVIPETDIKTVQTVISTLENNSYKLEIFSTSEGDNQQANQWTLHAEGKIFLDSTTNTK AKIDLEQYQRECSQVIDIQQHYQQFKSRGIDYGNSFQGIKQLWKGQGKALGKIALPEEIAGQATDYQ LHPALLDAALQILGHAIGNTETDDKAYLPVGIDKLKQYRQTITQVWAIVEIPENTLKGSIKLVDNQGSLL

AEIEGLRVTATTADALLK 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000001111100000000000000111110000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000 >DM\_train874 MLSHMVLTRQDIGRAASYYEDGADDYYAKDGDASEWQGKGAEELGLSGEVDSKRFRELLAGNIGEG HRIMRSATRQDSKERIGLDLTFSAPKSVSLQALVAGDAEIIKAHDRAVARTLEQAEARAQARQKIQGK TRIETTGNLVIGKFRHETSRERDPQLHTHAVILNMTKRSDGQWRALKNDEIVKATRYLGAVYNAELAH ELQKLGYQLRYGKDGNFDLAHIDRQQIEGFSKRTEQIAEWYAARGLDPNSVSLEQKQAAKVLSRAKK TSVDREALRAEWQATAKELGIDFS 000000000000000000011111111111000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000 >DM\_train875 MGSSSSGRENLYFQGQHLLKNPGILDKIIYAAKIKSSDIVLEIGCGTGNLTVKLLPLAKKVITIDIDSRMISE VKKRCLYEGYNNLEVYEGDAIKTVFPKFDVCTANIPYKISSPLIFKLISHRPLFKCAVLMFQKEFAERMLA NVGDSNYSRLTINVKLFCKVTKVCNVNRSSFNPPPKVDSVIVKLIPKESSFLTNFDEWDNLLRICFSRKR KTLHAIFKRNAVLNMLEHNYKNWCTLNKQVPVNFPFKKYCLDVLEHLDMCEKRSINLDENDFLKLLLE FNKKGIHFFNI 111111111111111100000000000000000000000000000000000000000000000000000000000 000000000000011110000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000011 >DM\_train876 EHEHNYHPNAVAAGLRAGRTRSIGLVIPDLENTSYTRIANYLERQARQRGYQLLIACSEDQPDNEMR CIEHLLQRQVDAIIVSTSLPPEHPFYQRWANDPFPIVALDRALDREHFTSVVGADQDDAEMLAEELRK FPAETVLYLGALPELSVSFLREQGFRTAWKDDPREVHFLYANSYEREAAAQLFEKWLETHPMPQALFT TSFALLQGVMDVTLRRDGKLPSDLAIATFGDNELLDFLQCPVLAVAQRHRDVAERVLEIVLASLDEPR KPKPGLTRIKRNLYRRGVLSRS 111111111111111111000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000001110000000000000000000001 >DM\_train877 ISDPVELLKRAEKKGVPSSGFMKLFSGSDSYKFEEAADLCVQAATIYRLRKELNLAGDSFLKAADYQKK AGNEDEAGNTYVEAYKCFKSGGNSVNAVDSLENAIQIFTHRGQFRRGANFKFELGEILENDLHDYAK AIDCYELAGEWYAQDQSVALSNKCFIKCADLKALDGQYIEASDIYSKLIKSSMGNRLSQWSLKDYFLKK GLCQLAATDAVAAARTLQEGQSEDPNFADSRESNFLKSLIDAVNEGDSEQLSEHCKEFDNFMRLDK WKITILNKIKESIQQQEDDLL 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

0011111111100000000000000000000000000000000000000000000000000000000 >DM\_train879 MASSMRSLFSDHGKYVESFRRFLNHSTEHQCMQEFMDKKLPGIIGRIGDTKSEIKILSIGGGAGEIDLQI LSKVQAQYPGVCINNEVVEPSAEQIAKYKELVAKISNLENVKFAWHKETSSEYQSRMLEKKELQKWDF IHMIQMLYYVKDIPATLKFFHSLLGTNAKMLIIVVSGSSGWDKLWKKYGSRFPQDDLCQYITSDDLTQ MLDNLGLKYECYDLLSTMDISDCFIDGNENGDLLWDFLTETCNFNATAPPDLRAELGKDLQEPEFSAK KEGKVLFNNTLSFIVIEA 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000000 >DM\_train880 HRPADVSALGVRGAEHPLLLAAVDVPGHGGAVFTGRLSTDEQPWLAEHVVGGRTLVPGSVLVDLAL AAGEDVGLPVLEELVLQRPLVLAGAGALLRMSVGAPDESGRRTIDVHAAEDVADLADAQWSQHAT GTLAQGVAAGPRDTEQWPPEDAVRIPLDDHYDGLAEQGYEYGPSFQALRAAWRKDDSVYAEVSIA ADEEGYAFHPVLLDAVAQTLSLGALGEPGGGKLPFAWNTVTLHASGATSVRVVATPAGADAMALRV TDPAGHLVATVDSLVVRSTGEKWEQPEPRG 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000011 1100000000000000000000000000000000000000000000000000001111111111111 >DM\_train881 TGTDFHVGIVGLGSMGMGAARSCLRAGLSTWGADLNPQACANLLAEGACGAAASAREFAGVVDA LVILVVNAAQVRQVLFGEDGVAHLMKPGSAVMVSSTISSADAQEIAAALTALNLNMLDAPVSGGAV KAAQGEMTVMASGSEAAFTRLKPVLDAVASNVYRISDTPGAGSTVKIIHQLLAGVHIAAAAEAMALA ARAGIPLDVMYDVVTHAAGNSWMFENRMQHVVDGDYTPRSAVDIFVKDLGLVADTAKALRFPLPL ASTALNMFTSASNAGYGKEDDSAVIKIFSG 111000000000000000000000000000000000000000000000000000000000000000000000000 000001100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000011 >DM\_train882 MGSSSSGRENLYFQGHMKVIMTTKVDKASMNIMNKLIENFGFKETEYVFEGNPVYKRGDVLILTTND EMIYYDYLDREIENQLGFKPEIIAFASRHSSKQKLPALTTHVTGNWGKAMYGGKDESFAVAIPSAMKLS LLKMSELNDLGWTVCYEATHHGPTELEVPSFFIEIGSSEEEWINDRAGEIIAETIIYVLDNYEKGRSKFKV ALGIGGGHYAPKQTKRALEGDLAFGHILPKYAQPVSRDVMIKALNRFGEKVEAIYVDWKGSRGETRQL AKSLAQELGLEFIKDGS 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000001000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000001 >DM\_train884 MSKSWGKFIEEEEAEMASRRNLMIVDGTNLGFRFKHNNSKKPFASSYVSTIQSLAKSYSARTTIVLGDK GKSVFRLEHLPEYAGNRDEKYAQRTEEEKALDEQFFEYLKDAFELCKTTFPTFTIRGVEADDMAAYIVKL

IGHLYDHVWLISTDGDWDTLLTDKVSRFSFTTRREYHLRDMYEHHNVDDVEQFISLKAIMGDLGDNI RGVEGIGAKRGYNIIREFGNVLDIIDQLPLPGKQKYIQNLNASEELLFRNLILVDLPTYCVDAIAAVGQD VLDKFTKDILEIAEQ

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>DM\_train885 MDYLVKALAYDGKVRAYAARTTDMVNEGQRRHGTWPTASAALGRTMTASLMLGAMLKGDDKLTV KIEGGGPIGAIVADANAKGEVRAYVSNPQVHFDLNAAGKLDVRRAVGTNGTLSVVKDLGLREFFTGQ VEIVSGELGDDFTYYLVSSEQVPSSVGVGVLVNPDNTILAAGGFIIQLMPGTDDETITKIEQRLSQVEPIS KLIQKGLTPEEILEEVLGEKPEILETMPVRFHCPCSKERFETAILGLGKKEIQDMIEEDGQAEAVCHFCNE KYLFTKEELEGLRDQTTR 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000011111 >DM\_train888 MACLSPSQLQKFQQDGFLVLEGFLSAEECVAMQQRIGEIVAEMDVPLHCRTEFSTQEEEQLRAQGST DYFLSSGDKIRFFFEKGVFDEKGNFLVPPEKSINKIGHALHAHDPVFKSITHSFKVQTLARSLGLQMPVV VQSMYIFKQPHFGGEVSPHQDASFLYTEPLGRVLGVWIAVEDATLENGCLWFIPGSHTSGVSRRMVR APVGSAPGTSFLGSEPARDNSLFVPTPVQRGALVLIHGEVVHKSKQNLSDRSRQAYTFHLMEASGTT WSPENWLQPTAELPFPQLYT 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000001111000000000000000 000000000000000000000000000000000000000000000000000000000000000000 >DM\_train890 AEPESCGTVRFSDVGWTDITATTATATTILEALGYETDVKVLSVPVTYTSLKNKDIDVFLGNWMPTME ADIAPYREDKSVETVRENLAGAKYTLATNAKGAELGIKDFKDIAAHKDELDGKIYGIEPGNDGNRLIID MVEKGTFDLKGFEVVESSEQGMLAQVARAEKSGDPIVFLGWEPHPMNANFKLTYLSGGDDVFGPNY GGATVHTNVRAGYTTECPNVDKLLQNLSFSLQMENEIMGKILNDGEDPEKAAAAWLKDNPQSIEPW LSGVATKDGGDGLAAVKAALGL 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000 >DM\_train891 QDLARIEQFLDALWLEKNLAENTLNAYRRDLSMMVEWLHHRGLTLATAQSDDLQALLAERLEGGYK ATSSARLLSAVRRLFQYLYREKFREDDPSAHLASPKLPQRLPKDLSEAQVERLLQAPLIDQPLELRDKA MLEVLYATGLRVSELVGLTMSDISLRQGVVRVIGKGNKERLVPLGEEAVYWLETYLEHGRPWLLNGVSI DVLFPSQRAQQMTRQTFWHRIKHYAVLAGIDSEKLSPHVLRHAFATHLLNHGADLRVVQMLLGHSD LSTTQIYTHVATERLRQLHQ 000000000000000000000000000000000000000000000000000000000000011111110000000

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>DM\_train892 MRSHILGKIELDQTRLAPDLAYLAAVPTVEEEYDEFSNGFWKHVPLWNASGDSEDRLYRDLKDAAAQ PTAHVEHVPYLKEIVTTVFDGTHLQMARSRNLKNAIVIPHRDFVELDREVDRYFRTFMVLEDSPLAFHS NEDTVIHMRPGEIWFLDAATVHSAVNFSEISRQSLCVDFAFDGPFDEKEIFADATLYAPGSTPDLPERR PFTAEHRRRILSLGQVIERENFRDILFLLSKVHYKYDVHPSETYDWLIEISKQAGDEKMVVKAEQIRDFA VEARALSERFSLTSW 000000000000000000000000000000111100000000000000011111111111111111100000000 000000000000000000000000000000000000111111110000000000000000000000000000000 000000000000000000000000011111111111111111000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000 >DM\_train893 ATALAGSNGVCIAYYITDGRNPTFKLKDIPDKVDMVILFGLKYWSLQDTTKLPGGTGMMGSFKSYKDL DTQIRSLQSRGIKVLQNIDDDVSWQSSKPGGFASAAAYGDAIKSIVIDKWKLDGISLDIEHSGAKPNPI PTFPGYAATGYNGWYSGSMAATPAFLNVISELTKYFGTTAPNNKQLQIASGIDVYAWNKIMENFRN NFNYIQLQSYGANVSRTQLMMNYATGTNKIPASKMVFGAYAEGGTNQANDVEVAKWTPTQGAKG GMMIYTYNSNVSYANAVRDAVKN 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000 >DM\_train895 MDRKTRLSEPPTLALRLKPYKTAIQQLRSVIRALKENTTVTFLPTPSLILQTVRSHCVSKITFNSSCLYITDK SFQPKTINNSTPLLGNFMYLTSSKDLTKFYVQDISDLSAKISMCAPDFNMEFSSACVHGQDIVRESENS AVHVDLDFGVVADLLKWIGPHTRVKRNVKKAPCPTGTVQILVHAGPPAIKFILTNGSELEFTSNNRVSF HGVKNMRINVQLKNFYQTLLNCAVTKLPCTLRIVTEHDTLLYVASRNGLFAVENFLTEEPFQRGDPFD KNYVGNSGKSR 111111111000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000111111111111000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000011111111111111111111 >DM\_train896 GMEQATRTIYSEYAAYPETQGIIAVEKRQPRDSLTDQFDVLLLVITRDPSVEWTVKHYRLNTLRVSLHL VHEQVLSRWLILNANRRAVHWVSEGTIIFERNDYLTDLKKQLRNFPETERCLQMSLSFAKLLRRFQDG RNLFSRGNYYDAYTHVHHALHHLARLSVLEKGAHPEVVVWEQARLDDPDVYKLYEQLLLSEETLEQRI HLALIGLEHLLQSKVLSGGKYLFEVMRERDRPWTMHELMEESRLTELKVDLGSLVDFFIRKGLIRISYQR TKGLGVELVTYEPVV 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000001 >DM\_train897

AYSLNNWNKPIKNSVTTKQWMSALPDTTNLAALSIPGTHDTMSYNGDITWTLTKPLAQTQTMSLYQ QLEAGIRYIDIRAKDNLNIYHGPIFLNASLSGVLETITQFLKKNPKETIIMRLKDEQNSNDSFDYRIQPLINI YKDYFYTTPRTDTSNKIPTLKDVRGKILLLSENHTKKPLVINSRKFGMQFGAPNQVIQDDYNGPSVKTK FKEIVQTAYQASKADNKLFLNHISATSLTFTPRQYAAALNNKVEQFVLNLTSEKVRGLGILIMDFPEKQT IKNIIKNNKFN

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>DM\_train898 MANGYTYEDYQDTAKWLLSHTEQRPQVAVICGSGLGGLVNKLTQAQTFDYSEIPNFPESTVPGHAG RLVFGILNGRACVMMQGRFHMYEGYPFWKVTFPVRVFRLLGVETLVVTNAAGGLNPNFEVGDIMLI RDHINLPGFSGENPLRGPNEERFGVRFPAMSDAYDRDMRQKAHSTWKQMGEQRELQEGTYVMLG GPNFETVAECRLLRNLGADAVGMSTVPEVIVARHCGLRVFGFSLITNKVIMDTESQGKANHEEVLEAG KQAAQKLEQFVSLLMASIPVSGHTG 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000011111111111111111111100000000000000000011111 >DM\_train899 SFLKHVQDCNTHDLSNFVRFVIEGRRVGWVRKALAQRLKAHGRVFDVTRDAVLLSASLRTPQSRTRA VADVVDRLADEGVVPAPRGELYRVNQSWGEPTLMLLDRAVVPTFGVRAYGVHLNGYVGAGADLHL WIGRRSPDKSVAPGKLDNMVAGGQPADLSLRQNLIKECAEEADLPEALARQAIPVGAITYCMESPAG IKPDTLFLYDLALPEDFRPHNTDGEMADFMLWPAAKVVEAVRTTEAFKFNVNLTVIDFAIRHGLIDPD NEPDYQEILAGLRGRPRERAAS 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000011111111 >DM\_train900 NAMPIEIITDSGADLPQSYIREHRIAFLPLVVHWNGQDYKDGITIEPKQVYDAMRQGHTVKTAQPSPL AMKELFLPYAKENRPCLYIAFSSKLSGTYQTAMAVRSELLDEYPEFRLTIIDSKCASLGQGLAVMKAVEL AKQNTPYNLLCETIESYCRHMEHIFTVDNLDYLARGGRISKTAAAFGGLLNIKPLLHVEDGALIPLEKWR GRKKVLKRMVELMGERGDDLQKQTIGISHADDEETALELKQMIEETHGCTRFFLSDIGSAIGAHAGPG TIALFFLNKYIEI 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000011111111110000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000 >DM\_train903 MPKERVDVLAYKQGLFETREQAKRGVMAGLVVNVINGERYDKPGEKIDDGTELKLKGEKLRYVSRGG LKLEKALAVFNLSVEDMITIDIGASTGGFTDVMLQNGAKLVYAVDVGTNQLVWKLRQDDRVRSMEQ YNFRYAEPVDFTEGLPSFASIDVSFISLNLILPALAKILVDGGQVVALVKPQFEAGREQIGKNGIVRESSIH EKVLETVTAFAVDYGFSVKGLDFSPIQGGHGNIEFLAHLEKTDSPQNDVPTSIKEVVAQAHKEFKKNEE

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>DM\_train904 VIQNSLNDKIVTISCKADTNLFFYQVAGNVSLFQQTRNYLERWRLIYDSNKAAYKIKSMDIHNTNLVLT WNAPTHNISTQQDSNADNQYWLLLKDIGNNSFIIASYKNPNLVLYADTVARNLKLSTLNNSNYIKFIIE DYIISDLNNFTCKISPILDLNKVVQQVDVTNLNVNLYTWDYGRNQKWTIRYNEEKAAYQFFNTILSNG VLTWIFSNGNTVRVSSSNDQNNDAQYWLINPVSDTDETYTITNLRDTTKALDLYGGQTANGTAIQVF NYHGDDNQKWNIRNP 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000

>DM\_train905 MSVQLTPHFGNVQAHYDLSDDFFRLFLDPTQTYSCAYFERDDMTLQEAQIAKIDLALGKLNLEPGMT LLDIGCGWGATMRRAIEKYDVNVVGLTLSENQAGHVQKMFDQMDTPRSRRVLLEGWEKFDEPVDR IVSIGAFEHFGHQRYHHFFEVTHRTLPADGKMLLHTIVRPTFKEGREKGLTLTHELVHFTKFILAEIFPGG WLPSIPTVHEYAEKVGFRVTAVQSLQLHYARTLDMWATALEANKDQAIAIQSQTVYDRYMKYLTGC AKLFRQGYTDVDQFTLEK 111111111111111000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000011111111111100000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000

>DM\_train906 MSKQLLALNIDGALLRSNGKIHQATKDAIEYVKKKGIYVTLVTNRHFRSAQKIAKSLKLDAKLITHSGAYI AEKIDAPFFEKRISDDHTFNIVQVLESYQCNIRLLHEKYSIGNKKKVNSNLLGKALIHPSDPIFYPVQFVE SLSDLLMDEPVSAPVIEVYTEHDIQHDITETITKAFPAVDVIRVNDEKLNIVPKGVSKEAGLALVASELGL SMDDVVAIGHQYDDLPMIELAGLGVAMGNAVPEIKRKADWVTRSNDEQGVAYMMKEYFRMQQR KGFLDKFHMKR 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000001111111111

>DM\_train907 GSCSSKPANTAKGEKGSDKTGKDLELKLSFQEGIAPGESLNEKLDFMEKLGVVGFEPGGGGLAGRVNE IKQALNGRNIKVSAICAGFKGFILSTDPAIRKECMDTMKEIIAAAGELGSTGVIIVPAFNGQVPALPHTM ETRDFLCEQFNEMGTFAAQHGTSVIFEPLNRKECFYLRQVADAASLCRDINNPGVRCMGDFWHMT WEETSDMGAFISGGEYLQHVHVASRKRRSMPGEDGDADNYINGFKGLKMIGYNNYVSFECGCQGD RNVVVPAAVKLLREQWEQA 111111111111111111111100000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train908 MADFEDRVSDEEKVRIAAKFITHAPPGEFNEVFNDVRLLLNNDNLLREGAAHAFAQYNMDQFTPVKI EGYDDQVLITEHGDLGNGRFLDPRNKISFKFDHLRKEASDPQPEDTESALKQWRDACDSALRAYVKD HYPNGFCTVYGKSIDGQQTIIACIESHQFQPKNFWNGRWRSEWKFTITPPTAQVAAVLKIQVHYYED GNVQLVSHKDIQDSVQVSSDVQTAKEFIKIIENAENEYQTAISENYQTMSDTTFKALRRQLPVTRTKID WNKILSYKIGKEMQNA 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000111111111

>DM\_train909 GMTDAPADAPLDADARRAVKPVICYPNDSLPRPDLALYRAARASARKTGEVLVPPREGRCFEVKAGQ FFRISSVEGPQVGDLNLHNLHDLTERFFSGKTRALHGTHVTTGERLWSNLPYLRPMATIIEDTLGWYGI DQYGGSVHDVIGTRCDPYTGNLLAGGHYHHCCHSNLTRALADHTGLPLHEAEMLVHDVLNVFMCT GFTRDTGQYFMKASPVRPGDYLEFFAEIDLLGNLSACPGGDCSSEHSSDTASCHPLLVEIFAPAEGML GDWPSPSVNGYDRSHGR 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000001111100000000000000000000000000000000000

>DM\_train910 GTHMKSQIKRQRMIYHCKFGEFGVMEGQFTEPSGVAVNAQNDIIVADTNNHRIQIFDKEGRFKFQFG ECGKRDSQLLYPNRVAVVRNSGDIIVTERSPTHQIQIYNQYGQFVRKFGATILQHPRGVTVDNKGRIIV VECKVMRVIIFDQNGNVLHKFGCSKHLEFPNGVVVNDKQEIFISDNRAHCVKVFNYEGQYLRQIGGE GITNYPIGVGINSNGEILIADNHNNFNLTIFTQDGQLISALESKVKHAQCFDVALMDDGSVVLASKDY RLYIYRYVQLAPVGM 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000

>DM\_train912 MGSDKIHHHHHHTHSVETPYGSVTFTVYGTPKPKRPAIFTYHDVGLNYKSCFQPLFRFGDMQEIIQNF VRVHVDAPGMEEGAPVFPLGYQYPSLDQLADMIPCILQYLNFSTIIGVGVGAGAYILSRYALNHPDTV EGLVLINIDPNAKGWMDWAAHKLTGLTSSIPDMILGHLFSQEELSGNSELIQKYRGIIQHAPNLENIELY WNSYNNRRDLNFERGGETTLKCPVMLVVGDQAPHEDAVVECNSKLDPTQTSFLKMADSGGQPQL TQPGKLTEAFKYFLQG 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000

>DM\_train913 MGYAHPEVLVSTDWVQEHLEDPKVRVLEVDEDILLYDTGHIPGAQKIDWQRDFWDPVVRDFISEEEF AKLMERLGISNDTTVVLYGDKNNWWAAYAFWFFKYNGHKDVRLMNGGRQKWVEEGRPLTTEVPS

YPPGRYEVPYRDESIRAYRDDVLEHIIKVKEGKGALVDVRSPQEYRGELTHMPDYPQEGALRAGHIPG AKNIPWAKAVNPDGTFKSAEELRALYEPLGITKDKDIVVYCRIAERSSHSWFVLKYLLGYPHVKNYDGS WTEWGNLVGVPIAKGEE 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000111111110000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000

>DM\_train

>DM\_train915 MFKDFFNRTKKKKYLTVQDSKNNDVPAGIMTKCPKCKKIMYTKELAENLNVCFNCDHHIALTAYKRIE AISDEGSFTEFDKGMTSANPLDFPSYLEKIEKDQQKTGLKEAVVTGTAQLDGMKFGVAVMDSRFRMG SMGSVIGEKICRIIDYCTENRLPFILFSASGGARMQEGIISLMQMGKTSVSLKRHSDAGLLYISYLTHPTT GGVSASFASVGDINLSEPKALIGFAGRRVIEQTINEKLPDDFQTAEFLLEHGQLDKVVHRNDMRQTLS EILKIHQEVTK 111111111111111111111111111100000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000011

>DM\_train916 MGSSSSGLVPRGSHMASAPALTKSQTDRLEVLLNPKDEISLNSGKPFRELESELLSRRKKDLQQIYAEER ENYLGKLEREITRFFVDRGFLEIKSPILIPLEYIERMGIDNDTELSKQIFRVDKNFCLRPMLAPNLYNYLRKL DRALPDPIKIFEIGPCYRKESDGKEHLEEFTMLNFCQMGSGCTRENLESIITDFLNHLGIDFKIVGDSCM VYGDTLDVMHGDLELSSAVVGPIPLDREWGIDKPWIGAGFGLERLLKVKHDFKNIKRAARSESYYNGI STNL 111111111111111111000000000000000000001111110000000000000000000000000000000 000000000000000000000000000000000000111000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000

>DM\_train917 MNSLLFVYGTLRKHEKNHHLLAQSACINEQARTKGSLFAAKEGPTVVFNDEDEGYIYGEVYEADELCI HKLDQFFQGYHKQTVFVETDVGIKIALIYFMNKDGCAGFTKISSGDWKEHQMISKSKNPIYYFAYGSC MDNARFQKAGVDHYFQDPVGRAVLKGYTTRFTLKREDGSRADMLEDGGTTEGVLYRIPYSALSYLYK REGVESLTYRPAFVDVEAGGRHYKDCLTFLVLQKEAEIAPPQHYQIEIERGAELYLSPEFTEKLKRHMNS LPKGLEHHHHHH 000000000000000000000000000000000000000011000000000000000000000000000000000

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>DM\_train918 MTNVTGDYTDCTPLLGDRAALDSFYEEHGYLFLRNVLDRDLVKTVAEQMREGLVALGAADPHATLEE LTIDSFESVDEVAMHDYVKYDAFWNNPSTIKVFEQVFGEPVFVFLSTTIRYYPSQAGSEEPSFHYLTPFH QDGFYIGPNQDFRTFWIPLIRTTRESGGVALADGSHRRGKRDHVLNESFRRFGHPVRGIPPTEVSEDE HLLHSPMEPGDILLFHAHMCHKSIPNLSKDPRLMRMSMDTRVQPAKSHRGFNAMTPWTESAKDAS KGIMAKITGTPTDVE 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000001111111111111111111

>DM\_train919 MNYNPEEQFRCTIIRGKAKNMLDNLLPAYANIIDDICPCDKASFVKDFNNRLIEILGEETTKKTLDNHRT EIAGKLFGMFYEDDEVIFPSGRTNKYIEDSDQPAFFKDICFKFQFPNGMDKLDKVIEKVGAKIQIRQFPYI LQVLLTADNNNIQLSKDDIAYYVLNSLQVLQGKIKPIEVIEKIIEDRSNDITKKVRHPGKETSYSMQHIRE QLNYLELANLIRIDGNLVKLNYREAENINYIAQFWGNKPEFNAYKYDFTSEDDKKSFFKDWQQYYSN VNSHKS 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000011111

>DM\_train920 GAMDTRKNVSGAERKIWSLIRDCSGKLEGVTETSVLEVLLIVSRVLGIRKEDLFLKDLGVSPTEEKRILELV EKRASGYPLHYILGEKEFMGLSFLVEEGVFVPRPETEELVELALELIRKYGIKTVADIGTGSGAIGVSVAKF SDAIVFATDVSSKAVEIARKNAERHGVSDRFFVRKGEFLEPFKEKFASIEMILSNPPYVKSSAHLPKDVLF EPPEALFGGEDGLDFYREFFGRYDTSGKIVLMEIGEDQVEELKKIVSDTVFLKDSAGKYRFLLLNRRSS 111111111111110000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000111111000000000000 00000000000000000000000000000000000000000000000000000000000

>DM\_train921 MRGSHHHHHHGSMDAQSAAKCLTAVRRHSPLVHSITNNVVTNFTANGLLALGASPVMAYAKEEV ADMAKIAGALVLNIGTLSKESVEAMIIAGKSANEHGVPVILDPVGAGATPFRTESARDIIREVRLAAIRG NAAEIAHTVGVTDWLIKGVDAGEGGGDIIRLAQQAAQKLNTVIAITGEVDVIADTSHVYTLHNGHKLL TKVTGAGSLLTSVVGAFCAVEENPLFAAIAAISSYGVAAQLAAQQTADKGPGSFQIELLNKLSTVTEQD VQEWATIERVTVS 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000111 111111111110000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000

>DM\_train922 MAGVDPFTGNSAYRSAASKTMNIYFPKKEAVTFDQANPTQILGKLKELNGTAPEEKKLTDDLILLEKILS

LICNSSSEKPTVQQLQILWKAINCPEDIVFPALDILRLSIKHPSVNENFCNEKEGAQFSSHLINLLNPKGK PANQLLALRTFCNCFVGQAGQKLMMSQRESLMSHAIELKSGSNKNIHIALATLALNYSVCFHKDHNI EGKAQCLSLISTILEVVQDLEATFRLLVALGTLISDDSNAVQLAKSLGVDSQIKKYSSVSEPAKVSECCRF ILNLL

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>DM\_train923 MTGSLNRHSLLNGVKKMRIILCDTNEVVTNLWQESIPHAYIQNDKYLCIHHGHLQSLMDSMRKGDAI HHGHSYAIVSPGNSYGYLGGGFDKALYNYFGGKPFETWFRNQLGGRYHTVGSATVVDLQRCLEEKTI ECRDGIRYIIHVPTVVAPSAPIFNPQNPLKTGFEPVFNAMWNALMHSPKDIDGLIIPGLCTGYAGVPPII SCKSMAFALRLYMAGDHISKELKNVLIMYYLQYPFEPFFPESCKIECQKLGIDIEMLKSFNVEKDAIELLIP RRILTLDL 111111111111111000000000000000000000011111110000000000000000000000111100000 000000000000000000000000000000000000000000000000000000011110000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000011111

>DM\_train924 TAQIKGLTQAQRNANDGISLAQTAEGALGEISNNLQRIRELAVQASNGTNTQTDRDALQAEVTQLQ SEIQRVAEQTSFNGQKLLDGSFNGVQFQIGANAGETIGVSKIMNAQTASLGGSLTRTTSTIDATDLTK YDTAMAAGDLTINGVDVGKIDAASTAQERAAQLTEAINRVSSQTNVGASYDKTTGQVTLTSNAAIAV AGAANDATVAGWANNATTGTATTTTGINSLTVSSFTNAQQTITQIDNALKDINTARADLGAVQNRF TSTVANLQSMTENLSSA 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000111111111111

>DM\_train

>DM\_train927 GTEDTVIKVSVLRGPSVIAFADWLENPPIIDNKKVQVKVVDSPDLAQALLIKQETDIAVLPMINAANLY NKGIKIKLAGCPIWGTLYLVEKTPLKEPALYVFGNGTTPDILTRYYLGRQRLDYPLNYAFNTAGEITQGIL AGKVNRAVLGEPFLSIALRKDSSLRITADLNHLTDNDTLGFAQTAVVYTPTMEKYRIAFEDALRASCQK AVRYPKETIHSLEEHGIFAQGALTPKSIERCKIYYLSAIEAKDAVMGFLRLIEQYEPKAVGGRLPDAGFIPE KQ

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>DM\_train928 MTGTLLSFGHGYTARVLSRALAPQGWRIIGTSRNPDQMEAIRASGAEPLLWPGEEPSLDGVTHLLIST APDSGGDPVLAALGDQIAARAAQFRWVGYLSTTAVYGDHDGAWVDETTPLTPTAARGRWRVMAE QQWQAVPNLPLHVFRLAGIYGPGRGPFSKLGKGGIRRIIKPGQVFSRIHVEDIAQVLAASMARPDPGA VYNVCDDEPVPPQDVIAYAAELQGLPLPPAVDFDKADLTPMARSFYSENKRVRNDRIKEELGVRLKYP NYRVGLEALQADAET 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000111110000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000

>DM\_train929 TITDDQIEVTDATELVQSSSTGKICNNPHRILDGIDCTLIDALLGDPHCDVFQDETWDLFVERSKAFSN CYPYDVPDYASLRSLVASSGTLEFITEGFTWTGVTQNGGSNACKRGPGSGFFSRLNWLTKSGSTYPVL DVTMPNNDNFDKLYIWGIHHPSTNQEQTSLYVQASGRVTVSTRRSQQTIIPNIGSRPWVRGLSSRISI YWTIVKPGDVLVINSNGNLIAPRGYFKMRTGKSSIMRSDAPIDTCISECITPDGSIPNDKPFQNVNKITY GACPKYV 111111111111111000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000

>DM\_train930 MSGADRSPNAGAAPDSAPGQAAVASAYQRFEPRAYLRNNYAPPRGDLCNPNGVGPWKLRCLAQT FATGEVSGRTLIDIGSGPTVYQLLSACSHFEDITMTDFLEVNRQELGRWLQEEPGAFNWSMYSQHAC LIEGKGECWQDKERQLRARVKRVLPIDVHQPQPLGAGSPAPLPADALVSAFCLEAVSPDLASFQRAL DHITTLLRPGGHLLLIGALEESWYLAGEARLTVVPVSEEEVREALVRSGYKVRDLRTYIMPAHLQTGVD DVKGVFFAWAQKVGL 111111111111111111111000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000

>DM\_train

>DM\_train932 MDIAQDWNGIPVPANPGNGMTWQLQDNVSDSFNYTSSEGNRPTAFTSKWKPSYINGWTGPGSTI FNAPQAWTNGSQLAIQAQPAGNGKSYNGIITSKNKIQYPVYMEIKAKIMDQVLANAFWTLTDDETQ EIDIMEGYGSDRGGTWFAQRMHLSHHTFIRNPFTDYQPMGDATWYYNGGTPWRSAYHRYGCYWK DPFTLEYYIDGVKVRTVTRAEIDPNNHLGGTGLNQATNIIIDCENQTDWRPAATQEELADDSKNIFWV DWIRVYKPVAVSGGGNNSLE 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000111111111

>DM\_train933 GSAMDVRQSIHSAHAKTLDTQGLRNEFLVEKVFVADEYTMVYSHIDRIIVGGIMPITKTVSVGGEVGK QLGVSYFLERRELGVINIGGAGTITVDGQCYEIGHRDALYVGKGAKEVVFASIDTGTPAKFYYNCAPAH TTYPTKKVTPDEVSPVTLGDNLTSNRRTINKYFVPDVLETCQLSMGLTELAPGNLWNTMPCHTHERR MEVYFYFNMDDDACVFHMMGQPQETRHIVMHNEQAVISPSWSIHSGVGTKAYTFIWGMVGENQ VFDDMDHVAVKEICA 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000001

>DM\_train934 MTVRKNQATLTADEKRRFVAAVLELKRSGRYDEFVRTHNEFIMSDTDSGERTGHRSPSFLPWHRRFLL DFEQALQSVDSSVTLPYWDWSADRTVRASLWAPDFLGGTGRSTDGRVMDGPFAASTGNWPINVR VDSRTYLRRSLGGSVAELPTRAEVESVLAISAYDLPPYNSASEGFRNHLEGWRGVNLHNRVHVWVGG QMATGVSPNDPVFWLHHAYVDKLWAEWQRRHPDSAYVPTGGTPDVVDLNETMKPWNTVRPADL LDHTAYYTFDALEHHHHHH 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000001111111

>DM\_train936 MSNQLERGPVRTPHADVLLASVGERGVLCDFYDEGAADTYRDLIQDADGTSEAREFATRTGPVSGPV LELAAGMGRLTFPFLDLGWEVTALELSTSVLAAFRKRLAEAPADVRDRCTLVQGDMSAFALDKRFGT VVISSGSINELDEADRRGLYASVREHLEPGGKFLLSLAMSEAAESEPLERKQELPGRSGRRYVLHVRHLP AEEIQEITIHPADETTDPFVVCTHRRRLLAPDQVVRELVRSGFDVIAQTPFASGGAGRKDMVLVEAVM PGATADAR 111111111110000000111111111111111111111111111110000000000000010000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000111100000000000000000001111111111111 1000000000000000000000000000000000000000000000001111111

>DM\_train937 MTTTESPTAAGSGSAATDKFKAERATADTSPERLAAIAKDALGALNDVILKHGVTYPEYRVFKQWLID VGEGGEWPLFLDVFIEHSVEEVLARSRKGTMGSIEGPYYIENSPELPSKCTLPMREEDEKITPLVFSGQVT DLDGNGLAGAKVELWHADNDGYYSQFAPHLPEWNLRGTIIADEEGRYEITTIQPAPYQIPTDGPTGQ

FIEAQNGHPWRPAHLHLIVSAPGKESVTTQLYFKGGEWIDSDVASATKPELILDPKTGDDGKNYVTYN FVLDPA 111111111111111111111111000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000

>DM\_train938 MEDDPVWRFDDRDVILYNIALGATTKQLKYVYENDSDFQVIPTFGHLITFNSGKSQNSFAKLLRNFNP MLLLHGEHYLKVHSWPPPTEGEIKTTFEPIATTPKGTNVVIVHGSKSVDNKSGELIYSNEATYFIRNCQA DNKVYADRPAFATNQFLAPKRAPDYQVDVPVSEDLAALYRLSGDRNPLHIDPNFAKGAKFPKPILHG MCTYGLSAKALIDKFGMFNEIKARFTGIVFPGETLRVLAWKESDDTIVFQTHVVDRGTIAINNAAIKLVG DKAKI 111100000000000000000000000000000000000000000000000011110000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000011111

>DM\_train939 GPMNPGPLELQLGDIFIAVKTTWAFHRSRLDLLLDTWVSRIRQQTFIFTDSPDERLQERLGPHLVVTQC SAEHSHPALSCKMAAEFDAFLVSGLRWFCHVDDDNYVNPKALLQLLKTFPQDRDVYVGKPSLNRPI HASELQSKQRTKLVRFWFATGGAGFCINRQLALKMVPWASGSHFVDTSALIRLPDDCTVGYIIECKLG GRLQPSPLFHSHLETLQLLGAAQLPEQVTLSYGVFEGKLNVIKLPGPFSHEEDPSRFRSLHCLLYPDTP WCPLLAAP 111111110000000000000000000000000000000000000000000000000000000000000111111 100000000000000000000000000000000000000000000000000000001111111111111111111 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000111

>DM\_train940 MDIKINDITLGNNSPFVLFGGINVLESLDSTLQTCAHYVEVTRKLGIPYIFKASFDKANRSSIHSYRGVGL EEGLKIFEKVKAEFGIPVITDVHEPHQCQPVAEVCDVIQLPAFLARQTDLVVAMAKTGNVVNIKKPQFL SPSQMKNIVEKFHEAGNGKLILCERGSSFGYDNLVVDMLGFGVMKQTCGNLPVIFDVTHSLQTRDA GSAASGGRRAQALDLALAGMATRLAGLFLESHPDPKLAKCDGPSALPLHLLEDFLIRIKALDDLIKSQPI LTIE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000011111111110000000000000 0000000000001111111111111111000000000000000000000000111

>DM\_train942 MATHKPINILEAFAAAPPPLDYVLPNMVAGTVGALVSPGGAGKSMLALQLAAQIAGGPDLLEVGELP TGPVIYLPAEDPPTAIHHRLHALGAHLSAEERQAVADGLLIQPLIGSLPNIMAPEWFDGLKRAAEGRRL MVLDTLRRFHIEEENASGPMAQVIGRMEAIAADTGCSIVFLHHASKGAAMMGAGDQQQASRGSSV LVDNIRWQSYLSSMTSAEAEEWGVDDDQRRFFVRFGVSKANYGAPFADRWFRRHDGGVLKPAVLE RQRKSKGVPRGEA 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train944 MKKNRAFLKWAGGKYPLLDDIKRHLPKGECLVEPFVGAGSVFLNTDFSRYILADINSDLISLYNIVKMR TDEYVQAARELFVPETNCAEVYYQFREEFNKSQDPFRRAVLFLYLNRYGYNGLCRYNLRGEFNVPFGR YKKPYFPEAELYHFAEKAQNAFFYCESYADSMARADDSSVVYCDPPYAPLSATANFTAYHTNSFTLEQ QAHLAEIAEGLVERHIPVLISNHDTMLTREWYQRAKLHVVKVRRSISSNGGTRKKVDELLALYKPGVVS PAKK 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000011111111111000000000000000000000000000 00000000000000000000011111111111110000000000011111111

>DM\_train945 MSDQQLDCALDLMRRLPPQQIEKNLSDLIDLVPSLCEDLLSSVDQPLKIARDKVVGKDYLLCDYNRD GDSYRSPWSNKYDPPLEDGAMPSARLRKLEVEANNAFDQYRDLYFEGGVSSVYLWDLDHGFAGVILI KKAGDGSKKIKGCWDSIHVVEVQEKSSGRTAHYKLTSTVMLWLQTNKTGSGTMNLGGSLTRQMEK DETVSDSSPHIANIGRLVEDMENKIRSTLNEIYFGKTKDIVNGLRSIDAIPDNQKYKQLQRELSQVLTQR QIYIQPDN 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000111111

>DM\_train

>DM\_train948 GMQVEQRTLNTAAHPFQITAYWLDQISDFETAVDYPIMIICPGGGFTYHSGREEAPIATRMMAAGM HTVVLNYQLIVGDQSVYPWALQQLGATIDWITTQASAHHVDCQRIILAGFSAGGHVVATYNGVATQ PELRTRYHLDHYQGQHAAIILGYPVIDLTAGFPTTSAARNQITTDARLWAAQRLVTPASKPAFVWQT ATDESVPPINSLKYVQAMLQHQVATAYHLFGSGIHGLALANHVTQKPGKDKYLNDQAAIWPQLALR WLQEQGLLAGNY 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000111111111111111100000000000000000000000000111

>DM\_train949 SNKKQSNRLTEQHKLSQGVIGIFGDYAKAHDLAVGEVSKLVKKALSNEYPQLSFRYRDSIKKTEINEALK

KIDPDLGGTLFVSNSSIKPDGGIVEVKDDYGEWRVVLVAEAKHQGKDIINIRNGLLVGKRGDQDLMA AGNAIERSHKNISEIANFMLSESHFPYVLFLEGSNFLTENISITRPDGRVVNLEYNSGILNRLDRLTAANY GMPINSNLCINKFVNHKDKSIMLQAASIYTQGDGREWDSKIMFEIMFDISTTSLRVLGRDLFEQLTSK 111111111111111000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000111111110000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000

>DM\_train951 GSAMAKANSSFSEVQIARRIKEGRGQGHGKDYIPWLTVQEVPSSGRSHRIYSHKTGRVHHLLSDLELA VFLSLEWESSVLDIREQFPLLPSDTRQIAIDSGIKHPVIRGVDQVMSTDFLVDCKDGPFEQFAIQVKPAA ALQDERTLEKLELERRYWQQKQIPWFIFTDKEINPVVKENIEWLYSVKTEEVSAELLAQLSPLAHILQEK GDENIINVCKQVDIAYDLELGKTLSEIRALTANGFIKFNIYKSFRANKCADLCISQVVNMEELRYVAN 111111111000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000011111

>DM\_train952 MSWVQLAGHTGSFKAAGTSGLILKRCSEPERYCLARLMADALRGCVPAFHGVVERDGESYLQLQDLL DGFDGPCVLDCKMGVRTYLEEELTKARERPKLRKDMYKKMLAVDPEAPTEEEHAQRAVTKPRYMQW REGISSSTTLGFRIEGIKKADGSCSTDFKTTRSREQVLRVFEEFVQGDEEVLRRYLNRLQQIRDTLEVSEFF RRHEVIGSSLLFVHDHCHRAGVWLIDFGKTTPLPDGQILDHRRPWEEGNREDGYLLGLDNLIGILASLA

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>DM\_train953 SLRCMQCKTNGDCRVEECALGQDLCRTTIVRLWEEGEELELVEKSCTHSEKTNRTLSYRTGLKITSLTEV VCGLDLCNQGNSGRAVTYSRSRYLECISCGSSDMSCERGRHQSLQCRSPEEQCLDVVTHWIQEGEE GRPKDDRHLRGCGYLPGCPGSNGFHNNDTFHFLKCCNTTKCNEGPILELENLPQNGRQCYSCKGNS THGCSSEETFLIDCRGPMNQCLVATGTHEPKNQSYMVRGCATASMCQHAHLGDAFSMNHIDVSC CTKSGCNHPD 000000000000000000000000000000000011100000000000000000000000000000000000000 000000111111111110000000000000000000000000000000000000011111111110000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000111000000000000000000000000

>DM\_train954 MTDTTNSIKHVISPLARQTLQDRDLTRPVAGKRPIRLLPWLQVVKIGGRVMDRGADAILPLVEELRKLL PEHRLLILTGAGVRARHVFSVGLDLGLPVGSLAPLAASEAGQNGHILAAMLASEGVSYVEHPTVADQL AIHLSATRAVVGSAFPPYHHHEFPGSRIPPHRADTGAFLLADAFGAAGLTIVENVDGIYTADPNGPDR GQARFLPETSATDLAKSEGPLPVDRALLDVMATARHIERVQVVNGLVPGRLTAALRGEHVGTLIRTGV RPA 111111111111111111111111111111000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train955 MAHHHHHHGICSSAPTLGEIWKRKLNQLDAKEFMAYRRRFVVEVDRNEAREALAKGKTNTGHAVSR GTAKLAWIDERGGVELKGTVVDLGCGRGSWSYYAASQPNVREVKAYTLGTSGHEKPRLVETFGWNLI TFKSKVDVTKMEPFQADTVLCDIGESNPTAAVEASRTLTVLNVISRWLEYNQGCGFCVKVLNPYSCD VLEALMKMQARFGGGLIRVPLSRNSTHEMYFVSGIKNNIMGNVTAVSRQLLKRMEEQGGERVVPDY KFSTGTRSNL 111111111111000000000000000000000000000000011111111111111111111000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000111111111111111111111

>DM\_train956 MTDTYLHETLVFDNKLSYIDNQRDTDGPAILLLPGWCHDHRVYKYLIQELDADFRVIVPNWRGHGLS PSEVPDFGYQEQVKDALEILDQLGVETFLPVSHSHGGWVLVELLEQAGPERAPRGIIMDWLMWAPK PDFAKSLTLLKDPERWREGTHGLFDVWLDGHDEKRVRHHLLEEMADYGYDCWGRSGRVIEDAYGR NGSPMQMMANLTKTRPIRHIFSQPTEPEYEKINSDFAEQHPWFSYAKLGGPTHFPAIDVPDRAAVHI REFATAIRQGQ 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000011

>DM\_train957 MSYYHHHHHHLESTSLYKAGLTRKFFVGGNWKMNGDYASVDGIVTFLNASADNSSVDVVVAPPAP YLAYAKSKLKAGVLVAAQNCYKVPKGAFTGEISPAMIKDLGLEWVILGHSERRHVFGESDALIAEKTVH ALEAGIKVVFCIGEKLEEREAGHTKDVNFRQLQAIVDKGVSWENIVIAYEPVWAIGTGKTASGEQAQE VHEWIRAFLKEKVSPAVADATRIIYGGSVTADNAAELGKKPDIDGFLVGGASLKPDFVKIINARSTALSC TCW 111111111111111111111100000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000011111111

>DM\_train

>DM\_train959 GSQSSERVVIGSKPFNEQYILANMIAILLEENGYKAEVKEGLGGTLVNYEALKRNDIQLYVEYTGTAYN

VILRKQPPELWDQQYIFDEVKKGLLEADGVVVAAKLGFRDDYALAVRADWAEENGVEKISDLAEFAD QLVFGSDPEFASRPDGLPQIKKVYGFEFKEVKQMEPTLMYEAIKNKQVDVIPAYTTDSRVDLFNLKILE DDKGALPPYDAIIIVNGNTAKDEKLISVLKLLEDRIDTDTMRALNYQYDVEKKDAREIAMSFLKEQGLV

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>DM\_train960 MTEIKYKVITKDAFALPYTIIKAKNQPTKGVIVYIHGGGLMFGKANDLSPQYIDILTEHYDLIQLSYRLLPE VSLDCIIEDVYASFDAIQSQYSNCPIFTFGRSSGAYLSLLIARDRDIDGVIDFYGYSRINTEPFKTTNSYYA KIAQSINETMIAQLTSPTPVVQDQIAQRFLIYVYARGTGKWINMINIADYTDSKYNIAPDELKTLPPVFI AHCNGDYDVPVEESEHIMNHVPHSTFERVNKNEHDFDRRPNDEAITIYRKVVDFLNAITMV 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000001

>DM\_train961 MGSSSSGLVPRGSMANYTEKFAAWSVICLTDHTFLDENGTEDDIRELCNESVKTCPFAAAVCVYPKFV KFINEKIKQEINPFKPKIACVINFPYGTDSMEKVLNDTEKALDDGADEIDLVINYKKIIENTDEGLKEATKL TQSVKKLLTNKILKVIIEVGELKTEDLIIKTTLAVLNGNADFIKTSTGKVQINATPSSVEYIIKAIKEYIKNNPE KNNKIGLKVSGGISDLNTASHYILLARRFLSSLACHPDNFRIGSSSLVIKLRKVISQCPL 111111111111111000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000111111111000000000000000001111

>DM\_train962 GMEKRLDYITDLMALGPTANARTIQRRQTAHRLAIAEAWQVKPGEKILEIGCGQGDLSAVLADQVGS SGHVTGIDIASPDYGAPLTLGQAWNHLLAGPLGDRLTVHFNTNLSDDLGPIADQHFDRVVLAHSLW YFASANALALLFKNMAAVCDHVDVAEWSMQPTALDQIGHLQAAMIQGLLYAIAPSDVANIRTLITP DTLAQIAHDNTWTYTAGTIVEDPTLDDAHWEIATTNALLTELKLSTDLRDRVKPLLEAMSHNGTASLA TFTGRITF 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000

>DM\_train963 MPELPEVETIRRTLLPLIVGKTIEDVRIFWPNIIRHPRDSEAFAARMIGQTVRGLERRGKFLKFLLDRDALI SHLRMEGRYAVASALEPLEPHTHVVFCFTDGSELRYRDVRKFGTMHVYAKEEADRRPPLAELGPEPLS PAFSPAVLAERAVKTKRSVKALLLDCTVVAGFGNIYVDESLFRAGILPGRPAASLSSKEIERLHEEMVATI GEAVMKGGSTVRTYVNTQGEAGTFQHHLYVYGRQGNPCKRCGTPIEKTVVAGRGTHYCPRCQR 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000111111111

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>DM\_train964 QTIKDFLAVAMKKWTAPFEPFQLIDNIYYVGTDGIAVYVIKTSQGLILMDTAMPQSTGMIKDNIAKLGF KVADIKLILNTHAHLDHTGGFAEIKKETGAQLVAGERDKPLLEGGYYPGDEKNEDLAFPAVKVDRAVK EGDRVTLGDTTLTAHATPGHSPGCTSWEMTVKDGKEDREVLFFCSGTVALNRLVGQPTYAGIVDDYR ATFAKAKAMKIDVLLGPHPEVYGMQAKRAEMKDGAPNPFIKPGELVTYATSLSEDFDKQLAKQTAAL EKK 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000011

>DM\_train965 MAEPTAKAAPYENLMVPSPSMGRDIPVAFLAGGPHAVYLLDAFNAGPDVSNWVTAGNAMNTLAG KGISVVAPAGGAYSMYTNWEQDGSKQWDTFLSAELPDWLAANRGLAPGGHAAVGAAQGGYGAM ALAAFHPDRFGFAGSMSGFLYPSNTTTNGAIAAGMQQFGGVDTNGMWGAPQLGRWKWHDPWV HASLLAQNNTRVWVWSPTNPGASDPAAMIGQAAEAMGNSRMFYNQYRSVGGHNGHFDFPASG DNGWGSWAPQLGAMSGDIVGAIR 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000

>DM\_train

>DM\_train967 GAHMGDFLASLEQDIKPAFGTNQEDYASYIMNGIIKWGDPVTRVLDDGELLVQQTKNSDRTPLVSVL LEGPPHSGKTALAAKIAEESNFPFIKICSPDKMIGFSETAKCQAMKKIFDDAYKSQLSCVVVDDIERLLD YVPIGPRFSNLVLQALLVLLKKAPPQGRKLLIIGTTSRKDVLQEMEMLNAFSTTIHVPNIATGEQLLEALE LLGNFKDKERTTIAQQVKGKKVWIGIKKLLMLIEMSLQMDPEYRVRKFLALLREEGASPLDFDLE 111111111111111000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000011111111111

>DM\_train968 MHDANIRVAIAGAGGRMGRQLIQAALALEGVQLGAALEREGSSLLGSDAGELAGAGKTGVTVQSSL DAVKDDFDVFIDFTRPEGTLNHLAFCRQHGKGMVIGTTGFDEAGKQAIRDAAADIAIVFAANFSVGV NVMLKLLEKAAKVMGDYTDIEIIEAHHRHKVDAPSGTALAMGEAIAHALDKDLKDCAVYSREGHTGE

RVPGTIGFATVRAGDIVGEHTAMFADIGERLEITHKASSRMTFANGAVRSALWLSGKESGLFDMRDVL DLNNL 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000

>DM\_train969 MPHDPGATRLLAISPHLDDAVLSFGAGLAQAAQDGANVLVYTVFAGAAQPPYSPAAQRMHTIWGL APDDDAVLYRRKEDIAALDHLRVAHRHGRFLDSIYRKLPDGRWLTAHVEGRQKLAVNDHSPDSDHD LVGEVADDIRSIIDEFDPTLVVTCAAIGEHPDHEATRDAALFATHEKNVPVRLWEDLPYAVFKSGAVEL PQGFRLGSADVSSVKPEMRSQKFQAVERYSSQMVLLNGSENNLFDRLDEHARQNAPHGGYGETTW PVVRSDDS 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000

>DM\_train970 MALKRMGIVSDYEKIRTFAVAIVGVGGVGSVTAEMLTRCGIGKLLLFDYDKVELANMNRLFFQPHQA GLSKVQAAEHTLRNINPDVLFEVHNYNITTVENFQHFMDRISNGGLEEGKPVDLVLSCVDNFEARMTI NTACNELGQTWMESGVSENAVSGHIQLIIPGESACFACAPPLVVAANIDEKTLKREGVCAASLPTTM GVVAGILVQNVLKFLLNFGTVSFYLGYNAMQDFFPTMSMKPNPQCDDRNCRKQQEEYKKKVAALP KQEVIQ 111111111111100000000000000000000000000000000000001111111111111111110000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000011111111111000000000000000000000000000000000 000000000000000000000000000000000000000111111111

>DM\_train971 MGSDKIHHHHHHMSNTVRAISPDITLFNKTLTFQEISQNTREAVIYIHGGAWNDPENTPNDFNQLA NTIKSMDTESTVCQYSIEYRLSPEITNPRNLYDAVSNITRLVKEKGLTNINMVGHSVGATFIWQILAALK DPQEKMSEAQLQMLGLLQIVKRVFLLDGIYSLKELLIEYPEYDCFTRLAFPDGIQMYEEEPSRVMPYVKK ALSRFSIDMHLVHSYSDELLTLRQTNCLISCLQDYQLSFKLYLDDLGLHNDVYKNGKVAKYIFDNIC 111111111111111111111000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000

>DM\_train972 MSSGVDLGTENLYFQSNAMRLRHLSDPDSLPALDKSFAIERPALGLAPDAPPVRILLLYGSLRARSFSR LAVEEAARLLQFFGAETRIFDPSDLPLPDQVQSDDHPAVKELRALSEWSEGQVWCSPERHGQITSVM KAQIDHLPLEMAGIRPTQGRTLAVMQVSGGSQSFNAVNTLRLLGRWMRMFTIPNQSSIAKAFQEFD AAGRMKPSPYYDRIADVMEELVRFTALVRPHREALTDRYSERKAAGHVIDEATDLSSIAIAPQPLPESET

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>DM\_train973 TTVNETTPIAPAKVLPDAQTVTSVRHWTDTLFSFRVTRPQTLRFRSGEFVMIGLLDDNGKPIMRAYSIA SPAWDEELEFYSIKVPDGPLTSRLQHIKVGEQIILRPKPVGTLVIDALLPGKRLWFLATGTGIAPFASLMR EPEAYEKFDEVIMMHACRTVAELEYGRQLVEALQEDPLIGELVEGKLKYYPTTTREEFHHMGRITDNLA SGKVFEDLGIAPMNPETDRAMVCGSLAFNVDVMKVLESYGLREGANSEPREFVVEKAFVGEGI 111111111111111000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000

>DM\_train974 MEALRLGFSPCPNDTFIFYALVHGRVESPVPLEPVLEDVETLNRWALEGRLPLTKLSYAAYAQVRDRYV ALRSGGALGRGVGPLVVARGPLQALEGLRVAVPGRHTTAYFLLSLYAQGFVPVEVRYDRILPMVAQG EVEAGLIIHESRFTYPRYGLVQVVDLGAWWEERTGLPLPLGAILARRDLGEGLIRALDEAVRRSVAYALA HPEEALDYMRAHAQELSDEVIWAHVHTYVNAFSLDVGEEGERAVARLFAEAEARGLAAPSPRPLFV 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000

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>DM\_train978 METLTVHAPSPSTNLPSYGNGAFSLSAPHVPGAGPLLVQVVYSFFQSPNMCLQALTQLEDYIKKHGA SNPLTLQIISTNIGYFCNADRNLVLHPGISVYDAYHFAKPAPSQYDYRSMNMKQMSGNVTTPIVALA HYLWGNGAERSVNIANIGLKISPMKINQIKDIIKSGVVGTFPVSTKFTHATGDYNVITGAYLGNITLKTE GTLTISANGSWTYNGVVRSYDDKYDFNASTHRGIIGESLTRLGAMFSGKEYQILLPGEIHIKESGKR 100000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train979 MPLSSQPAILIIGGAEDKVHGREILQTFWSRSGGNDAIIGIIPSASREPLLIGERYQTIFSDMGVKELKVLD IRDRAQGDDSGYRLFVEQCTGIFMTGGDQLRLCGLLADTPLMDRIRQRVHNGEISLAGTSAGAAVM GHHMIAGGSSGEWPNRALVDMAVGLGIVPEIVVDQHFHNRNRMARLLSAISTHPELLGLGIDEDTC AMFERDGSVKVIGQGTVSFVDARDMSYTNAALVGANAPLSLHNLRLNILVHGEVYHQVKQRAFPRV

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>DM\_train980 MSDWTYSEGALDEAHWPQHYPACGGQRQSPINLQRTKVRYNPSLKGLNMTGYETQAGEFPMVN NGHTVQISLPSTMRMTVADGTVYIAQQMHFHWGGASSEISGSEHTVDGIRHVIEIHIVHYNSKYKSY DIAQDAPDGLAVLAAFVEVKNYPENTYYSNFISHLANIKYPGQRTTLTGLDVQDMLPRNLQHYYTYH GSLTTPPCTENVHWFVLADFVKLSRTQVWKLENSLLDHRNKTIHNDYRRTQPLNHRVVESNFPNQE YTLGSEFQ 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000011110000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000011111111111

>DM\_train981 WGALGHATVAYVAQHYVSPEAASWAQGILGSSSSSYLASIASWADEYRLTSAGKWSASLHFIDAED NPPTNCNVDYERDCGSSGCSISAIANYTQRVSDSSLSSENHAEALRFLVHFIGDMTQPLHDEAYAVG GNKINVTFDGYHDNLHSDWDTYMPQKLIGGHALSDAESWAKTLVQNIESGNYTAQAIGWIKGDNIS EPITTATRWASDANALVCTVVMPHGAAALQTGDLYPTYYDSVIDTIELQIAKGGYRLANWINEIHGSEI AK 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000111111

>DM\_train982 MSIYTLGIDVGSTASKCIILKDGKEIVAKSLVAVGTGTSGPARSISEVLENAHMKKEDMAFTLATGYGRN SLEGIADKQMSELSCHAMGASFIWPNVHTVIDIGGQDVKVIHVENGTMTNFQMNDKCAAGTGRFL DVMANILEVKVSDLAELGAKSTKRVAISSTCTVFAESEVISQLSKGTDKIDIIAGIHRSVASRVIGLANRV GIVKDVVMTGGVAQNYGVRGALEEGLGVEIKTSPLAQYNGALGAALYAYKKAAKSAWSHPQFEK 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000001111111111

>DM\_train983 GASCSGGDKSKAPVVSTADIENAAEVIKYYNTSLGVLKDMVKEKDVNAVLDYMEQKGKTPALSAIVP

PAVVSKDSAIVLNPGNCFNEETRRNLKQNYTGLFQARTEFYANFDTYLSYLKKKDVTNAKKLLDVNYQ LSTQMSEYKQNIFDILSPFTEQAELVLLVDNPLKAQIMSVRKMSSTMQSILNLYARKHRMDGPRIDLK VAELTKQLDAAKKLPVVNGHEGEMKSYQAFLSQVETFIKQVKKVREKGEYSDADYDMLTSAFETSII 111111111111110000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000

>DM\_train984 GMTNVGRPIETHAITVGQGSDARSIAALVRAPAQDERPTCIWLGGYRSDMTGTKALEMDDLAASLG VGAIRFDYSGHGASGGAFRDGTISRWLEEALAVLDHFKPEKAILVGSSMGGWIALRLIQELKARHDNP TQVSGMVLIAPAPDFTSDLIEPLLGDRERAELAENGYFEEVSEYSPEPNIFTRALMEDGRANRVMAGMI DTGCPVHILQGMADPDVPYQHALKLVEHLPADDVVLTLVRDGDHRLSRPQDIDRMRNAIRAMIEPR

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>DM\_train985 GMKSQWECFLQNLGVWEGSFSNFSPEGTLLNDTSSRLCLEGLNNNQTVRLTLSRSGKDDVIREFRSV GGGLLFFENGSFSEGLIQLGPFSEFGGELAFVHENRRLRLVQLFDRNGHLNGLTLIREHLAGTPVAERPL LQINDLLGEWRGQAVTIYRDLRPPDIYSTTLKIQLDDAGRLMQSTSFGERTITSTATIKGSIVLFDQDPEK QVQVLLLPDGASATSPLKVQLRQPLFLEAGWLIQSDLRQRMIRSYNDKGEWVSLTLVTEERV 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000010000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000

>DM\_train986 GMANLLSTCTSESGNIQHISPQNAGWEYVGFDVWQLKAGESITLPSDERERCLVLVAGLASVKAADS FFYRIGQRMSPFERIPAYSVYLPHHTEAKVTAETDLELAVCSAPGFGELPVRLISPQEVGVEHRGKGRN QRLVHNILPDSQLADSLLVVEVYTNAGATSSWPAHKHDTAVEGQETYLEETYYHRFNPPQGFCLQRV YTDDRSLDECMAVYNRDVVKVPKGYHPVATIAGYDNYYLNVMAGPLRKWRFTWEENHAWINSPD YPR 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000011111

>DM\_train987 AMSNNKIKRKDASPEQEAIESFTSLTKCDPKVSRKYLQRNHWNINYALNDYYDKEIGTFTDEVSTVAH PPVYPKELTQVFEHYINNNLFDIDSLVKFIEELGYNLEDLATLCLAHLLGYKKLEEPLKREDFLSTWFMQ GCSTISDMQECIKTLDVKLHEDLQYFTQIYNYAFNLILDPNRKDIDTDEGIQYWKLFFQPEYPVRMEPD LLEAWFRFLRDEGKTTISKDTWRMLLLFFKRYPTIQKIISDYDETAAWPFIIDEFYECLQDQQ 111111111111000000000000000000000000000000000000000000000111111110000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train988 SDGGKVVAATTAQIQEFTKYAGIAATAYCRSVVPGNKWDCVQCQKWVPDGKIITTFTSLLSDTNGYV LRSDKQKTIYLVFRGTNSFRSAITDIVFNFSDYKPVKGAKVHAGFLSSYEQVVNDYFPVVQEQLTAHPT YKVIVTGHSLGGAQALLAGMDLYQREPRLSPKNLSIFTVGGPRVGNPTFAYYVESTGIPFQRTVHKRDI VPHVPPQSFGFLHPGVESWIKSGTSNVQICTSEIETKDCSNSIVPFTSILDHLSYFDINEGSCL 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000

>DM\_train989 ATISRRGILVIRHGERVDQVFGKSWLQQCTTADGKYYRPDLNFPRSLPRRSNGIKDFENDPPLSSCGIF QARLAGEALLDSGVRVTAVFASPALRCVQTAKHILEELKLEKKLKIRVEPGIFEWMKWEASKATLTFLTL EELKEANFNVDLDYRPALPRCSLMPAESYDQYVERCAVSMGQIINTCPQDMGITLIVSHSSALDSCTR PLLGLPPRECGDFAQLVRKIPSLGMCFCEENREDGKWDLVNPPVKTLTHGANSVFNWRNWIS 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000011

>DM\_train990 GMQGKKFISPGAWFSMNYPSDWNEFEDGEGSFLFYNPDVWTGNFRISAFKGNASYGKDAIRQELKE NDSASLVKIGTWDCAYSKEMFQEEGTYYTSHLWITGTGNIAFECSFTVPKGGSAKEAEEVIATLEARKE GEKYPAELIPVRLSEIYQINEGYEWVVSTVKQELKKDFQGVEEDLEKIQQVIDSGKISPKKKDEWLAIGIT VCAILTNEVEGMEWKTLIDGNREVPVLEYQGRTIDPMKIAWSKVKAGQPCNIAEAYQSAIDHH 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000

>DM\_train991 GSHMEEKRLSAKKGLPPGTLVYTGKYREDFEIEVMNYSIEEFREFKTTDVESVLPFRDSSTPTWINITGIH RTDVVQRVGEFFGTHPLVLEDILNVHQRPKVEFFENYVFIVLKMFTYDKNLHELESEQVSLILTKNCVL MFQEKIGDVFDPVRERIRYNRGIIRKKRADYLLYSLIDALVDDYFVLLEKIDDEIDVLEEEVLERPEKETVQ RTHQLKRNLVELRKTIWPLREVLSSLYRDVPPLIEKETVPYFRDVYDHTIQIADTVE 111111111111111000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000110000000000000000000000000000 000000000000000000000000000000000000000000000000000011111110000000000000000 00000000000000000000001111111111111111111111

>DM\_train992 MIVVKVGGAEGINYEAVAKDAASLWKEGVKLLLVHGGSAETNKVAEALGHPPRFLTHPGGQVSRLTD RKTLEIFEMVYCGLVNKRLVELLQKEGANAIGLSGLDGRLFVGRRKTAVKYVENGKVKVHRGDYTGTV EEVNKALLDLLLQAGYLPVLTPPALSYENEAINTDGDQIAALLATLYGAEALVYLSNVPGLLARYPDEAS LVREIPVERIEDPEYLALAQGRMKRKVMGAVEAVKGGVKRVVFADGRVENPIRRALSGEGTVVR 000000000000000000000000000000000000000000000000000000111111100000000000000 000000000000000000000000000000000000001111111111111111000000000000000000000

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>DM\_train994 NGHLQHHPPMPPHPGHYWPVHNELAFQPPISNHPAPEYWCSIAYFEMDVQVGETFKVPSSCPIVTV DGYVDPSGGDRFCLGQLSNVHRTEAIERARLHIGKGVQLECKGEGDVWVRCLSDHAVFVQSYYLDR EAGRAPGDAVHKIYPSAYIKVFDLRQCHRQMQQQAATAQAAAAAQAAAVAGNIPGPGSVGGIAP AISLSAAAGIGVDDLRRLCILRMSFVKGWGPDYPRQSIKETPCWIEIHLHRALQLLDEVLHTMPIADPQ PLD 000000000000111111111111110000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000001111111111111111111111111100000000000000000000000 0000000000000000000000000000000000001111111

>DM\_train995 MNRVDLSLFIPDSLTAETGDLKIKTYKVVLIARAASIFGVKRIVIYHDDADGEARFIRDILTYMDTPQYLR RKVFPIMRELKHVGILPPLRTPHHPTGKPVTGEYRQGLTVKRVKKGTLVDIGADKLALCREKLTVNRIMS FRVVRLGKEILIEPDEPEDRYWGYEVLDTRRNLAESLKTVGADVVVATSRNASPITSILDEVKTRMRGAR EAAILFGGPYKGLPEIDADIWVNTLPGQCTETVRTEEAVLATLSVFNMLTQIDEKDE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000111111

>DM\_train996 MERYESLFAQLKERKEGAFVPFVTLGDLGIEQSLKIIDTLIEAGADALELGIPFSDPLADGPTIQNATLRAF AAGVTPAQCFEMLAIIREKHPTIPIGLLMYANLVFNKGIDEFYARCEKVGVDSVLVADVPVEESAPFRQ AALRHNVAPIFICPPNADDDLLRQIASYGRGFTYLLSRAGVTGAENRAALPLNHLVAKLKEYNAAPPL QGFGISAPDQVKAAIDAGAAGAISGSAIVKIIEQHINEPEKMLAALKVFVQPMKAATRS 000000000000000000000000000000000000000000000000000000111111111111111111111 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000111111110000000000000000000000000000000000000 0000000000000000000000000000000000000000001

>DM\_train997 MIQITVIQIDNYGPWTVTPNPRRESDLQALQSRLYADLNLMFGAHKGLVFYTRFDNLIAITNGIDLITH KRIQESIRNRYPFTVSMVIASAETPYEAQKLATETLQEYGSAQDENRKEVLDVANELVVDGYVQIAHID INNITGTLTDIVSAYDTYLNVNKVKLALMEELLKYNALLFFIGGDNFMAPSNGMSEEDFLDIFNRINKKY KIELKAGIGIGRTAEDASNLADIGLEKIRGKLVDKNVCTLKQDDFLESKMGMGKIYHPQF 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000111111111111111111

>DM\_train999 MKDRTQELRTAKDSDDDDDVTVTVDRDRFMDEFFEQVEEIRGFIDKIAENVEEVKRKHSAILASPNPD EKTKEELEELMSDIKKTANKVRSKLKSIEQSIEQEEGLNRSSADLRIRKTQHSTLSRKFVEVMSEYNATQS DYRERCKGRIQRQLEITGRTTTSEELEDMLESGNPAIFASGIIMDSSISKQALSEIETRHSEIIKLENSIRELH DMFMDMAMLVESQGEMIDRIEYNVEHAVDYVERAVSDTKKAVKYQSKARRKKIM

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>DM\_train1001 SEDNGVDFNKNTALDKNYLLNNKIPSNNVEEAGSKNYVHYIIQLQGDDISYEATCNLFSKNPKNSIIIQ RNMNESAKSYFLSDDGESILELNKYRIPERLKNKEKVKVTFIGHGKDEFNTSEFARLSVDSLSNEISSFLD TIKLDISPKNVEVNLLGCNMFSYDFNVEETYPGKLLLSIMDKITSTLPDVNKNSITIGANQYEVRINSEGR KELLAHSGKWINKEEAIMSDLSSKEYIFFDSIDNKLKAKSKNIPGLASISEDIKTL 111110000000000000000000000011111110000000000000000000000000000000000000000 000000000000000000000000000000000000001111100000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000111111

>DM\_train1002 GMHTDVNALFAALWQDYIKMTPSAAKIHQLLGHGAPIINDHIALRTFNIAKVNLSVLAKHFTSIGYVD SGDYKFEQKKLIAKHFEHPDPKQPKVFISELLVEEFSPEVQKSIHGLIDQVDIAATTADNFIYSGRHWDV DKATYQALLAESEYAAWVAALGYRANHFTVSINDLPEFERIEDVNQALKQAGFVLNSSGGEVKGSPE VLLEQSSTMADKVVVNFTDGDVEIPSCFYEFARRYPMANGQLYTGFVAASADKIFESTNAMM 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000001111111111111

>DM\_train1003 MKEGKHFVLVHGACHGGWSWYKLKPLLEAAGHKVTALDLAASGTDLRKIEELRTLYDYTLPLMELME SLSADEKVILVGHSLGGMNLGLAMEKYPQKIYAAVFLAAFMPDSVHNSSFVLEQYNERTPAENWLDT QFLPYGSPEEPLTSMFFGPKFLAHKLYQLCSPEDLALASSLVRPSSLFMEDLSKAKYFTDERFGSVKRVYI VCTEDKGIPEEFQRWQIDNIGVTEAIEIKGADHMAMLCEPQKLCASLLEIAHKYNMAGDPLE 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000111111111

>DM\_train1004 MAPHGDGLSDIEEPEVDAQSEILRPISSVVFVIAMQAEALPLVNKFGLSETTDSPLGKGLPWVLYHGV HKDLRINVVCPGRDAALGIDSVGTVPASLITFASIQALKPDIIINAGTCGGFKVKGANIGDVFLVSDVVF HDRRIPIPMFDLYGVGLRQAFSTPNLLKELNLKIGRLSTGDSLDMSTQDETLIIANDATLKDMEGAAVA YVADLLKIPVVFLKAVTDLVDGDKPTAEEFLQNLTVVTAALEGTATKVINFINGRNLSDL 111111111111111111111110000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000

>DM\_train1005 MKGFQFKVIQEKLQGRQFINSDKIKPDHPQTIIKKTLLKEYQSKNFSCQEERDLFLEFTEKIVQNFHNINF NYLLKKFCKLPENYQSLKSQVKQIVQSENKANQQSCENLFNSLYDTEISYKQITNFLRQIIQNCVPNQL LGKKNFKVFLEKLYEFVQMKRFENQKVLDYICFMDVFDVEWFVDLKNQKFTQKRKYISDKRKILGDLIV

FIINKIVIPVLRYNFYITEKHKEGSQIFYYRKPIWKLVSKLTIVKLEEENLEKVEEKL 111111000000011111111111000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000

>DM\_train1006 MVDSHVHTPLCGHAEGHPEAYLEEARAKGLKGVVFTDHSPMPPWYDPESRMRLEALPFYLLALERVR ERAQDLYVGIGLEADFHPGTEGFLAQLLRRYPFDYVIGSVHYLGAWPLDHPDHQEEYAWRDLKEVFR AYFQEVEKAARSGLFHAIGHLDLPKKFGHRLPEEALLELAEPALRAVAEAGLFLDVNTAGLRRPAKEVY PAPALLRRARELGIGLVLGSDAHRPEEVGFAFPEVQALLAGLGFREAYYFVEGSPVAYPLSRAS 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000001111

>DM\_train1007 MRLIPLTTAEQVGKWAARHIVNRINAFKPTADRPFVLGLPTGGTPMTTYKALVEMHKAGQVSFKHVV TFNMDEYVGLPKEHPESYYSFMHRNFFDHVDIPAENINLLNGNAPDIDAECRQYEEKIRSYGKIHLFM GGVGNDGHIAFNEPASSLASRTRIKTLTHDTRVANSRFADNDVNQVPKYALTVGVGTLLDAEEVMIL VLGSQKALALQAAVEGCVNHMWTISCLQLHPKAIMVCDEPSTMELKVKTLRYFNELEAENIKGL 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000111111111111111111100000000000000000000000000000000000000000000 00000000000000000000000000000000000000000

>DM\_train1008 MTPDFLAIKVGGSLFSRKDEPGSLDDDAVTRFARNFARLAETYRGRMVLISGGGAFGHGAIRDHDST HAFSLAGLTEATFEVKKRWAEKLRGIGVDAFPLQLAAMCTLRNGIPQLRSEVLRDVLDHGALPVLAGD ALFDEHGKLWAFSSDRVPEVLLPMVEGRLRVVTLTDVDGIVTDGAGGDTILPEVDARSPEQAYAALW GSSEWDATGAMHTKLDALVTCARRGAECFIMRGDPGSDLEFLTAPFSSWPAHVRSTRITTTASA 000000000000000000000000000000000000000000000000000000001111111111110000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000011100000000000000000000000001111000000000000000 00000000000000000000000000000000000001111

>DM\_train1009 MHDLRISLVQGSTRWHDPAGNRDYYGALLEPLAGQSDLVILPETFTSGFSNEAIDKAEDMDGPTVA WIRTQAARLGAAITGSVQLRTEHGVFNRLLWATPDGALQYYDKRHLFRFGNEHLRYAAGRERLCVE WKGWRINPQVCYDLRFPVFCRNRFDVERPGQLDFDLQLFVANWPSARAYAWKTLLRARAIENLCFV AAVNRVGVDGNQLHYAGDSAVIDFLGQPQVEIREQEQVVTTTISAAALAEHRARFPAMLDGDSFVL GE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000001

>DM\_train1010 SNANFDTNMFKLENYVKEKYSLESLEIIPNEFDDTPTILSERISQVAAGVLRNLIDDNMKIGFSWGKSLS

NLVDLIHSKSVRNVHFYPLAGGPSHIHAKYHVNTLIYEMSRKFHGECTFMNATIVQENKLLADGILQS RYFENLKNSWKDLDIAVVGIGDFSNKGKHQWLDMLTEDDFKELTKVKTVGEICCRFFDSKGKEVYENL QERTIAISLEDLKNIPQSLAVAYGDTKVSSILSVLRANLVNHLITDKNTILKVLEEDGDL 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000001

>DM\_train1011 RPSSRVYIVEVLNEFPHDPYAFTQGLVYAENDTLFESTGLYGRSSVRQVALQTGKVENIHKMDDSYFG EGLTLLNEKLYQVVWLKNIGFIYDRRTLSNIKNFTHQMKDGWGLATDGKILYGSDGTSILYEIDPHTFKL IKKHNVKYNGHRVIRLNELEYINGEVWANIWQTDCIARISAKDGTLLGWILLPNLRKKLIDEGFRDIDVL NGIAWDQENKRIFVTGKLWPKLFEIKLHLVRHRIPDGYIERHCLNLRDNTLSLKTDID 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000111111111111

>DM\_train1012 GMSADIVFDRGSPSDIDEIKTFTSNTWKVGYYTDLYSKLADTGTMDDYVDKVIERWVNDGSVYVLRV SGRPVATIHMEKLPDGSVMLGGLRVHPEYRGSRLGMSIMQETIQFLRGKTERLRSAVYSWNEPSLRLV HRLGFHQVEEYPIYTFQGGSTAVPALKPVNERYAGRWRCFFIDWKYMCSDDPDIIHEEYSNNLIVDGS TFVYFDIYEGGIDLFVNDSDDASSFIEKYRSMNGRITFYVRKALANGLPYVPASSLTVWEYRY 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000001111000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000

>DM\_train1013 MNITPFPTLSPATIDAINVIGQWLAQDDFSGEVPYQADCVILAGNAVMPTIDAACKIARDQQIPLLISG GIGHSTTFLYSAIAQHPHYNTIRTTGRAEATILADIAHQFWHIPHEKIWIEDQSTNCGENARFSIALLNQ AVERVHTAIVVQDPTMQRRTMATFRRMTGDNPDAPRWLSYPGFVPQLGNNADSVIFINQLQGLW PVERYLSLLTGELPRLRDDSDGYGPRGRDFIVHVDFPAEVIHAWQTLKHDAVLIEAMESRSLR 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000111

>DM\_train1014 GSHMQAEILLTLKLQQKLFADPRRISLLKHIALSGSISQGAKDAGISYKSAWDAINEMNQLSEHILVERA TGGKGGGGAVLTRYGQRLIQLYDLLAQIQQKAFDVLSDDDALPLNSLLAAISRFSLQTSARNQWFGTI TARDHDDVQQHVDVLLADGKTRLKVAITAQSGARLGLDEGKEVLILLKAPWVGITQDEAVAQNADN QLPGIISHIERGAEQCEVLMALPDGQTLCATVPVNEATSLQQGQNVTAYFNADSVIIATLC 111000000000000000000000000000000000000000000000000000000000000000001111111 111000000000000000000000000000000000000000000000000000000000000001111111000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000

>DM\_train1015

MRVLALSAVFLVASIIGMPAVAKEWQENKSWNAHFTEHKSQGVVVLWNENKQQGFTNNLKRANQ AFLPASTFKIPNSLIALDLGVVKDEHQVFKWDGQTRDIATWNRDHNLITAMKYSVVPVYQEFARQIGE ARMSKMLHAFDYGNEDISGNVDSFWLDGGIRISATEQISFLRKLYHNKLHVSERSQRIVKQAMLTEAN GDYIIRAKTGYSTRIEPKIGWWVGWVELDDNVWFFAMNMDMPTSDGLGLRQAITKEVLKQEKIIP

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>DM\_train1016 MNDIVASTQLPNTIKTITNDLRKLGLKKGMTVIVHSSLSSIGWISGGAVAVVEALMEVITEEGTIIMPTQ SSDLSDPKHWSRPPVPEEWWQIIRDNVPAFEPHITPTRAMGKVVECFRTYPNVVRSNHPLGSFAAW GRHAEEITVNQSLSMSLGEESPLRKIYDLDGYILLIGVGYDSNTSVHLSEVRSGACELIKVGAPIIENGER VWKEFVDMDYDSDKFVEIGVEFEQKGTVTMGKIGNAKCRLMKQRDIVDFGTEWFRKKN 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000001

>DM\_train1017 TQSSKLIAVIVANIDDYFSTELFKGISSILESRGYIGVLFDANADIEREKTLLRAIGSRGFDGLILQSFSNPQ TVQEILHQQMPVVSVDREMDACPWPQVVTDNFEAAKAATTAFRQQGYQHVVVLTSELELSRTRQE RYRGILAAAQDVDVLEVSESSYNHSEVHQRLTQLITQNDQKTVAFALKERWLLEFFPNLIISGLIDNQT VTATGFADTDFIRRMEPKLTLITQNPFLMGASSAEIMLRQLAGEKVAPEKMVIPAKLQ 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000010000000000000000000000000000000000 000000000000000000000000111100000000000000000000000000000000000000000000110 0000000000000000000000000000000000000000

>DM\_train1018 MAEYKDNLLGEANSFLEVLEQVSHLAPLDKPVLIIGERGTGKELIASRLHYLSSRWQGPFISLNCAALNE NLLDSELFGHEAGAFTGAQKRHPGRFERADGGTLFLDELATAPMMVQEKLLRVIEYGELERVGGSQPL QVNVRLVCATNADLPAMVNEGTFRADLLDALAFDVVQLPPLRERESDIMLMAEYFAIQMCREIKLPL FPGFTERARETLLNYRWPGNIRELKNVVERSVYRHGTSDYPLDDIIIDPFKRRPPEDAIA 111111111000000000000000000000000000000000000000000000000000000000000000000 000000111111111000000000000000000000000000000000000000000001100000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000011111111

>DM\_train1021 MKILVAVKQTAALEEDFEIREDGMDVDEDFMMYDLNEWDDFSLEEAMKIKESSDTDVEVVVVSVGP DRVDESLRKCLAKGADRAVRVWDDAAEGSDAIVVGRILTEVIKKEAPDMVFAGVQSSDQAYASTGIS VASYLNWPHAAVVADLQYKPGDNKAVIRRELEGGMLQEVEINCPAVLTIQLGINKPRYASLRGIKQA ATKPIEEVSLADIGLSANDVGAAQSMSRVRRMYIPEKGRATMIEGTISEQAAKIIQIINEFKGA 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000011111111111111111111111111111

>DM\_train1022 GHMSLHPVSISLSSYGADLVRSRGQASFLPLLAMAGAQRVELREELFAGPPDTEALTAAIQLQGLECV FSSPLELWREDGQLNPELEPTLRRAEACGAGWLKVSLGLLPEQPDLAALGRRLARHGLQLLVENDQT PQGGRIEVLERFFRLAERQQLDLAMTFDIGNWRWQEQAADEAALRLGRYVGYVHCKAVIRNRDGKL VAVPPSAADLQYWQRLLQHFPEGVARAIEYPLQGDDLLSLSRRHIAALARLGQPQEERQHGGS 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000001111111111

>DM\_train1023 SNAMNHLPEKMRPYRDLLEKSAKEYVKLNVRKGKTGRYDSKIAGDPYFPKHETYPTDENGQPMKLLA QINFSHIPQLDGYPSSGILQFYISVHDDVYGLNFDDRCEQKNFRVIYFENIVENDDELVSDFSFIGTGEC DFPILSEAAVEPVKSSEWVLPTDFQFEQYTGMETMEFFGQFGEDEEDIYNELAENGFGHKIGGYASFT QHDPREYAYKEHTIMLLQIDSDDDIDSMWGDVGIANFFITPEDLRKKDFSNVLYNWDCS 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000

>DM\_train1024 SLLSNQLHFAKPTARTPLVVLVHGLLGSGADWQPVLSHLARTQCAALTLDLPGHGTNPERHCDNFA EAVEMIEQTVQAHVTSEVPVILVGYSLGGRLIMHGLAQGAFSRLNLRGAIIEGGHFGLQENEEKAARW QHDQQWAQRFSQQPIEHVLSDWYQQAVFSSLNHEQRQTLIAQRSANLGSSVAHMLLATSLAKQP YLLPALQALKLPIHYVCGEQDSKFQQLAESSGLSYSQVAQAGHNVHHEQPQAFAKIVQAMIHSIID 000000000000000000000000000000000000000000000000000000000011111110000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000

>DM\_train

>DM\_train1027 MVRTITVASGKGGTGKTTITANLGVALAQLGHDVTIVDADITMANLELILGMEGLPVTLQNVLAGEAR IDEAIYVGPGGVKVVPAGVSLEGLRKANPEKLEDVLTQIMESTDILLLDAPAGLERSAVIAIAAAQELLLV VNPEISSITDGLKTKIVAERLGTKVLGVVVNRITTLGIEMAKNEIEAILEAKVIGLIPEDPEVRRAAAYGKPV VLRSPNSPAARAIVELANYIAGGAKKKVPAEVKEKKKEGALAKMLRIFRRR 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1028 MANLTEKFLRIFARRGKSIILAYDHGIEHGPADFMDNPDSADPEYILRLARDAGFDGVVFQRGIAEKYY DGSVPLILKLNGKTTLYNGEPVSVANCSVEEAVSLGASAVGYTIYPGSGFEWKMFEELARIKRDAVKFD LPLVVESFPRGGKVVNETAPEIVAYAARIALELGADAMKIKYTGDPKTFSWAVKVAGKVPVLMSGGPK TKTEEDFLKQVEGVLEAGALGIAVGRNVWQRRDALKFARALAELVYGGKKLAEPLNV 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000011111111111

>DM\_train1029 MWELRSASFWRAIFAEFFATLFYVFFGLGASLRWAPGPLHVLQVALAFGLALATLVQAVGHISGAHV NPAVTFAFLVGSQMSLLRAICYVVAQLLGAVAGAAVLYSVTPPAVRGNLALNTLHPGVSVGQATIVEI FLTLQFVLCIFATYDERRNGRLGSVALAVGFSLTLGHLFGMYYTGAGMNPARSFAPAILTRNFTNHWV YWVGPVIGAGLGSLLYDFLLFPRLKSVSERLSILKGTRPSESNGQPEVTGEPVELKTQAL 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000111111111111111111111111

>DM\_train1030 GMSNKKLIINADDFGYTPAVTQGIIEAHKRGVVTSTTALPTSPYFLEAMESARISAPTLAIGVHLTLTLN QAKPILPREMVPSLVDEAGYFWHQSIFEEKVNLEEVYNEWDAQIISFMKSGRRPDHIDSHHNVHGKN KKLLGVALALARKYQLPLRNASRSIETKDYLELYQDVRTPDEMLYQFYDKAISTETILQLLDMVVCSEGE VFEINCHPAFIDTILQNQSGYCMPRIREVEILTSQEVKEAIEERGILLANYESLAM 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000

>DM\_train1031 GAMDPAVMKIEYYSQVLDMEWGVNVLYPDANRVEEPECEDIPVLYLLHGMSGNHNSWLKRTNVER LLRGTNLIVVMPNTSNGWYTDTQYGFDYYTALAEELPQVLKRFFPNMTSKREKTFIAGLSMGGYGCFK LALTTNRFSHAASFSGALSFQNFSPESQNLGSPAYWRGVFGEIRDWTTSPYSLESLAKKSDKKTKLWA WCGEQDFLYEANNLAVKNLKKLGFDVTYSHSAGTHEWYYWEKQLEVFLTTLPIDFKLEERLT 000000000000000000000000000001111111110000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000001111111100000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000001

>DM\_train1032 EQASVTNDFSENKQGCIQHPWQGKKVGYIGDSITDPNCYGDNIKKYWDFLKEWLGITPFVYGISGRQ WDDVPRQAEKLKKEHGGEVDAILVFMGTNDYNSSVPIGEWFTEQEEQVLSAHGEMKKMVTRKKRTP VMTQDTYRGRINIGITQLKKLFPDKQIVLLTPLHRSLANFGDKNVQPDESYQNGCGEYIDAYVQAIKE AGNIWGIPVIDFNAVTGMNPMVEEQLIYFYDAGYDRLHPDTKGQERMARTLMYQLLALPVAF 111111111111111100000000000000000000011110000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train

>DM\_train1034 MSFTVIIPARFASSRLPGKPLADIKGKPMIQHVFEKALQSGASRVIIATDNENVADVAKSFGAEVCMTS VNHNSGTERLAEVVEKLAIPDNEIIVNIQGDEPLIPPVIVRQVADNLAKFNVNMASLAVKIHDAEELFN PNAVKVLTDKDGYVLYFSRSVIPYDRDQFMNLQDVQKVQLSDAYLRHIGIYAYRAGFIKQYVQWAPT QLENLEKLEQLRVLYNGERIHVELAKEVPAVGVDTAEDLEKVRAILAANGSHHHHHH 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000011111000000000000000000000000000000000000000000000000000 0000000000000000000000000000011111111

>DM\_train1035 MSSGVDLGTENLYFQSNAMKMTVVGFWGGFPEAGEATSGYLFEHDGFRLLVDCGSGVLAQLQKYIT PSDIDAVVLSHYHHDHVADIGVLQYARLITSATKGQLPELPIYGHTFDENGFHSLTHEPHTKGIPYNPE ETLQIGPFSISFLKTVHPVTCFAMRITAGNDIVVYSADSSYIPEFIPFTKDADLFICECNMYAHQEAAKAG HMNSTEVASIAKDANVKELLLTHLPHTGNPADLVTEAKQIFSGHITLAHSGYVWNS 111111111111111110000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000

>DM\_train

>DM\_train1037 MAVTAQAARRKERVLCLFDVDGTLTPARQKIDPEVAAFLQKLRSRVQIGVVGGSDYCKIAEQLGDGD EVIEKFDYVFAENGTVQYKHGRLLSKQTIQNHLGEELLQDLINFCLSYMALLRLPKKRGTFIEFRNGML NISPIGRSCTLEERIEFSELDKKEKIREKFVEALKTEFAGKGLRFSRGGMISFDVFPEGWDKRYCLDSLDQ DSFDTIHFFGNETSPGGNDFEIFADPRTVGHSVVSPQDTVQRCREIFFPETAHEA 111111111111000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1038 MIFVLDVGNTNAVLGVFEEGELRQHWRMETDRHKTEDEYGMLVKQLLEHEGLSFEDVKGIIVSSVVP PIMFALERMCEKYFKIKPLVVGPGIKTGLNIKYENPREVGADRIVNAVAGIHLYGSPLIIVDFGTATTYCYI NEEKHYMGGVITPGIMISAEALYSRAAKLPRIEITKPSSVVGKNTVSAMQSGILYGYVGQVEGIVKRMK EEAKQEPKVIATGGLAKLISEESNVIDVVDPFLTLKGLYMLYERNANLQHEKGE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000011111110000000000000000000000000000000000000000000000000000000 0000000000000000000000000000011111111

>DM\_train1039 GMATLGANASLYSEQHRITYYECDRTGRATLTTLIDIAVLASEDQSDALGLTTEMVQSHGVGWVVTQ YAIDITRMPRQDEVVTIAVRGSAYNPYFAYREFWIRDADGQQLAYITSIWVMMSQTTRRIVKILPELVA PYQSEVVKRIPRLPRPISFEATDTTITKPYHVRFFDIDPNRHVNNAHYFDWLVDTLPATFLLQHDLVHV DVRYENEVKYGQTVTAHANILPSEVADQVTTSHLIEVDDEKCCEVTIQWRTLPEPIQ 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000111

>DM\_train1041 SPTVEACGYSDRIIQITRGDSTITSQDVANAIVAYGVWPHYLSSKDASAIDKPSQPDTSSNRFYTLRSVT WSSSSKGWWWKLPDALKDMGIFGENMFYHYLGRSGYTIHVQCNASKFHQGTLIVALIPEHQIASAL HGNVNVGYNYTHPGETGREVKAETRLNPDLQPTEEYWLNFDGTLLGNITIFPHQFINLRSNNSATIIAP YVNAVPMDSMRSHNNWSLVIIPICPLETSSAINTIPITISISPMCAEFSGARAKRQ 111111111110000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000

>DM\_train1042 NLSDFKVATWNLQGSSAVNESKWNINVRQLLSGEQGADILMVQEAGSLPSSAVRTSRVIQHGGTPIE EYTWNLGTRSRPNMVYIYYSRLDVGANRVNLAIVSRRQADEAFIVHSDSSVLQSRPAVGIRIGTDVFFT VHALATGGSDAVSLIRNIFTTFNSSSSPPERRVYSWMVVGDFNRAPANLEVALRQEPAVSENTIIIAPT EPTHRSGNILDYAILHDAHLPRREQARERIGASLMLNQLRSQITSDHFPVSFVRDR 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000011100000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000

>DM\_train1043 EPVKYGELVVLGYNGALPNGDRGRRKSRFALYKRPKANGVKPSTVHMISTPQASKAISCKGQHSISYT LSRNQTVVVEYTHDKDTDMFQVGRSTESPIDFVVTDTISGSQNTDEAQITQSTISRFACRIVCDRNEPY TARIFAAGFDSSKNIFLGEKAAKWKNPDGHMDGLTTNGVLVMHPRGGFTEESQPGVWREISVCGDV YTLRETRSAQQRGKMVESETNVLQDGSLIDLCGATLLWRTADGLFHTPTQKHIEALRQ

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>DM\_train1044 QQGKFDTKGIESTDEAKMSFLVTLNNVEVCSENISTLKKTLESDCTKLFSQGIGGEQAQAKFDSCLSDL AAVSNKFRDLLQEGLTELNSTAIKPQVQPWINSFFSVSHNIEEEEFNDYEANDPWVQQFILNLEQQM AEFKASLSPVIYDSLTGLMTSLVAVELEKVVLKSTFNRLGGLQFDKELRSLIAYLTTVTTWTIRDKFARLS QMATILNLERVTEILDYWGPNSGPLTWRLTPAEVRQVLALRIDFRSEDIKRLRL 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000

>DM\_train1045 IAPTVWKLADRSKIYMADLESALHYILRIEVGRFPVLEGQRLVALKKFVAVLAKYFPGRPLVQNFLHSVN EWLKRQKRNKIPYSFFKTALDDRKEGAVLAKKVNWIGCQGSEPHFRGFPCSLWVLFHFLTVQAARQN VDHSQEAAKAKEVLPAIRGYVHYFFGCRDCASHFEQMAAASMHRVGSPNAAVLWLWSSHNRVNA RLAGAPSEDPQFPKVQWPPRELCSACHNERLDVPVWDVEATLNFLKAHFSPSNIILDFPA 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000011111111100000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000001111

>DM\_train1047 MVVLSVPAEVTVILLDIEGTTTPIAFVKDILFPYIEENVKEYLQTHWEEEECQQDVSLLRKQAEEDAHLD GAVPIPAASGNGVDDLQQMIQAVVDNVCWQMSLDRKTTALKQLQGHMWRAAFTAGRMKAEFFA DVVPAVRKWREAGMKVYIYSSGSVEAQKLLFGHSTEGDILELVDGHFDTKIGHKVESESYRKIADSIGC STNNILFLTDVTREASAAEEADVHVAVVVRPGNAGLTDDEKTYYSLITSFSELYLPSST 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000001000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000001111

>DM\_train1048 DKLPIEETLEDSPQTRSLLGVFEEDATAISNYMNQLYQAMHRIYDAQNELSAATHLTSKLLKEYEKQRF PLGGDDEVMSSTLQQFSKVIDELSSCHAVLSTQLADAMMFPITQFKERDLKEILTLKEVFQIASNDHD AAINRYSRLSKKRENDKVKYEVTEDVYTSRKKQHQTMMHYFCALNTLQYKKKIALLEPLLGYMQAQIS FFKMGSENLNEQLEEFLANIGTSVQNVRREMDSDIETMQQTIEDLEVASDPLYVPD 111111110000000000000000000000000000000000000000000000000000000000000011111 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000111111

>DM\_train1049 MGAGEKGIVEKEGYQLDTRRQAQAAYPRIKVLVIHYTADDFDSSLATLTDKQVSSHYLVPAVPPRYN GKPRIWQLVPEQELAWHAGISAWRGATRLNDTSIGIELENRGWQKSAGVKYFAPFEPAQIQALIPLAK DIIARYHIKPENVVAHADIAPQRKDDPGPLFPWQQLAQQGIGAWPDAQRVNFYLAGRAPHTPVDT

ASLLELLARYGYDVKPDMTPREQRRVIMAFQMHFRPTLYNGEADAETQAIAEALLEKYGQD 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000

>DM\_train1050 MHNNENVSGISAYLLGLIWGDGGLYKLKYKGNRSEYRVVITQKSENLIKQFIAPRMQFLIDELNVKSKI QIVKGDTRYELRVSSKKLYYYFANMLERIRLFNGNRFLAYLAGIVDGDGSIIAQIKPNQSYKFKHQLSLT FQVTQKTERRWFLDKLVDEIGVGYVRDRGSVSDYILSEIKPLHNFLTQLQPFLNFKQKQANLVLKIIEQL PSAKESPDKFLEVCTWVDQIAALNDSKTRKTTSETVRAVLDSLSEKKKSSP 111111000000000000000000000111100000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000001111111111

>DM\_train1051 MVGVTAFGNFDLASLAIYSFWIFLAGLIYYLQTENMREGYPLENEDGTPAANQGPFPLPKPKTFILPHG RGTLTVPGPESEDRPIALARTAVSEGFPHAPTGDPMKDGVGPASWVARRDLPELDGHGHNKIKPMK AAAGFHVSAGKNPIGLPVRGCDLEIAGKVVDIWVDIPEQMARFLEVELKDGSTRLLPMQMVKVQSN RVHVNALSSDLFAGIPTIKSPTEVTLLEEDKICGYVAGGLMYAAPKRKSVVAAMLAEYA 111111111100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000011111111111111

>DM\_train1052 MGSDKIHHHHHHMYVTSQIHAKGSDLAKLMQIAALKGNEEVLDVATGGGHVANAFAPFVKKVVAF DLTEDILKVARAFIEGNGHQQVEYVQGDAEQMPFTDERFHIVTCRIAAHHFPNPASFVSEAYRVLKKG GQLLLVDNSAPENDAFDVFYNYVEKERDYSHHRAWKKSDWLKMLEEAGFELEELHCFHKTFIFEDWC DRMNVTTEKKQELSDFIKSKPTEYYQKFKIVVEDGRVYSFRGESILMKARKPTVKNKGSS 111111111111111111111100000000000000000000000000000000000000000000011111111 111111111100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000001111111

>DM\_train1053 TKFIGCIDLHNGEVKQIVGGTLTSKKEDVPKTNFVSQHPSSYYAKLYKDRDVQGCHVIKLGPNNDDAA REALQESPQFLQVGGGINDTNCLEWLKWASKVIVTSWLFTKEGHFQLKRLERLTELCGKDRIVVDLSC RKTQDGRWIVAMNKWQTLTDLELNADTFRELRKYTNEFLIHAADVEGLCGGIDELLVSKLFEWTKDY DDLKIVYAGGAKSVDDLKLVDELSHGKVDLTFGSSLDIFGGNLVKFEDCCRWNEKQG 000000000000000011111111111111111111000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000011111110000000000000000000000000000000000000000 00000000000000000000000000000000000

>DM\_train1054 MASVPENQAPKAIFTFSPEDPVTDENVVFNASNSIDEDGTIAYYVWDFGDGYEGTSTTPTITYKYKNP GTYKVKLIVTDNQGASSSFTATIKVTSATGDNSKFNFEDGTLGGFTTSGTNATGVVVNTTEKAFKGER

GLKWTVTSEGEGTAELKLDGGTIVVPGTTMTFRIWIPSGAPIAAIQPYIMPHTPDWSEVLWNSTWKGY TMVKTDDWNEITLTLPEDVDPTWPQQMGIQVQTIDEGEFTIYVDAIDWLEHHHHHH 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000111111

>DM\_train1055 MGIMPRKVLAIKNFKERFDLLPKLKGVIAEKQPDILVVVGNILKNEALEKEYERAHLARREPNRKVIHEN EHYIIETLDKFFREIGELGVKTFVVPGKNDAPLKIFLRAAYEAETAYPNIRVLHEGFAGWRGEFEVIGFGG LLTEHEFEEDFVLKYPRWYVEYILKFVNELKPRRLVTIFYTPPIGEFVDRTPEDPKHHGSAVVNTIIKSLNP EVAIVGHVGKGHELVGNTIVVNPGEFEEGRYAFLDLTQHKIKLEQFS 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000

>DM\_train1056 MYTKNFSNSRMEVKGNNGCSAPIIRKPFKHIVLTVPSSDLDNFNTVFYVQPQYINQALHLANAFQGA IDPLNLNFNFEKALQIANGIPNSAIVKTLNQSVIQQTVEISVMVEQLKKIIQEVLGLVINSTSFWNSVEAT IKGTFTNLDTQIDEAWIFWHSLSAHNTSYYYNILFSIQNEDTGAVMAVLPLAFEVSVDVEKQKVLFFTIK DSARYEVKMKALTLVQALHSSNAPIVDIFNVNNYNLYHSNHKIIQNLNLSN 111111111111111111000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000011111111111111

>DM\_train1057 MHRPEAEKWLRRFERAPDARARLVCLPHAGGSASFFFPLAKALAPAVEVLAVQYPGRQDRRHEPPV DSIGGLTNRLLEVLRPFGDRPLALFGHSMGAIIGYELALRMPEAGLPAPVHLFASGRRAPSRYRDDDVR GASDERLVAELRKLGGSDAAMLADPELLAMVLPAIRSDYRAVETYRHEPGRRVDCPVTVFTGDHDPR VSVGEARAWEEHTTGPADLRVLPGGHFFLVDQAAPMIATMTEKLAGPALTGSTGGNS 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000111111111111

>DM\_train1058 MSNENKTIHDFELNLICDFFSNMERQGPGSPEVTLKALSFIDNLTEKSLIADIGCGTGGQTMVLAGHVT GQVTGLDFLSGFIDIFNRNARQSGLQNRVTGIVGSMDDLPFRNEELDLIWSEGAIYNIGFERGLNEWR KYLKKGGYLAVSECSWFTDERPAEINDFWMDAYPEIDTIPNQVAKIHKAGYLPVATFILPENCWTDHY FTPKVAAQKIFLTKYAGNKIAEEFSMLQSIEEELYHKYKEYYGYTFFIAKKIRL 111111111110000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000

>DM\_train1059 MSMLTIGGKSFQSRLLLGTGKYPSFDIQKEAVAVSESDILTFAVRRMNIFEASQPNFLEQLDLSKYTLLP

NTAGASTAEEAVRIARLAKASGLCDMIKVEVIGCSRSLLPDPVETLKASEQLLEEGFIVLPYTSDDVVLAR KLEELGVHAIMPGASPIGSGQGILNPLNLSFIIEQAKVPVIVDAGIGSPKDAAYAMELGADGVLLNTAV SGADDPVKMARAMKLAVEAGRLSYEAGRIPLKQYGTASSPGEGLPVLEH 100000000000000000000000000000000000000000000000001111111000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000001111111

>DM\_train1060 MKKVIIAGNGPSLKEIDYSRLPNDFDVFRCNQFYFEDKYYLGKKCKAVFYNPSLFFEQYYTLKHLIQNQ EYETELIMCSNYNQAHLENENFVKTFYDYFPDAHLGYDFFKQLKDFNAYFKFHEIYFNQRITSGVYMC AVAIALGYKEIYLSGIDFYQNGSSYAFDTKQKNLLKLAPNFKNDNSHYIGHSKNTDIKALEFLEKTYKIKL YCLCPNSLLANFIELAPNLNSNFIIQEKNNYTKDILIPSSEAYGKFSKNIN 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000001111111111110000000000011111111100000000000000000000000000000000000000 0000000000000000000000000000000001

>DM\_train1061 MKTITETLNLAPKGKNFLTADWPAPANVKTLITTRNGGVSQGAYQSLNLGTHVGDNPEAVRRNREIV QQQVGLPVAYLNQIHSTVVVNAAEALGGTPDADASVDDTGKVACAVMTADCLPVLFCDRAGTAV AAAHAGWRGLAGGVLQNTIAAMKVPPVEMMAYLGPAISADAFEVGQDVFDAFCTPMPEAATAFE GIGSGKFLADLYALARLILKREGVGGVYGGTHCTVLERDTFFSYRRDGATGRMASLIWLDGNAV 111111111111110000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000111

>DM\_train1062 RFQYQALLNEHQSQLDRFSSHIVATLDKYAHIPHLISKDKELVDALLSAQNSAQIDITNRYLEQVNEVI QAADTYLIDRFGNTIASSNWNLDRSFIGRNFAWRPYFYLSIAGQKSQYFALGSTSGQRGYYYAYPVIY AAEILGVIVVKMDLSAIEQGWQNKSSYFVATDDHQVVFMSSQPAWLFHSVADLSPAQLNDIRQSQ QYLDSPIPSLGWQGDLQAEQSEWRKPEKHWLQDDYIVSSRPLPELALTIRVLSPKIE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000001

>DM\_train

>DM\_train1064

MISGILASPGIAFGKALLLKEDEIVIDRKKISADQVDQEVERFLSGRAKASAQLETIKTKAGETFGEEKEAIF EGHIMLLEDEELEQEIIALIKDKHMTADAAAHEVIEGQASALEELDDEYLKERAADVRDIGKRLLRNILGL KIIDLSAIQDEVILVAADLTPSETAQLNLKKVLGFITDAGGRTSHTSIMARSLELPAIVGTGSVTSQVKND DYLILDAVNNQVYVNPTNEVIDKMRAVQEQVASEKAELAKLKD

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>DM\_train1065 MAEKAQFYYPGETDVAENRRKYMNPNYELKKLREIPDEDIVRLMGHREPGEEYPSVHPPLEEMEEPEC PIRELVEPTEGAKAGDRIRYIQFTDSVYFAPIHPYIRARMYMWRYRGVDTGSLSGRQIIEVRERDLEKIAK ELLETEIFDPARSGVRGATVHGHALRLDENGLMLHALRRYRLNEETGEVEYVKDQVGIELDEPIPVGAP ADEDDLKERTTIYRIDGTPYREDEELLQVVQRIHELRTLAGYRPEEAEGK 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000001111

>DM\_train1066 MATVKLSFLQHICKLTGLSRSGRKDELLRRIVDSPIYPTSRVLGIDLGIKNFSYCFASQNEDSKVIIHNWS VENLTEKNGLDIQWTEDFQPSSMADLSIQLFNTLHEKFNPHVILMERQRYRSGIATIPEWTLRVNMLE SMLYALHYAEKRNSIEQKIQYPFLLSLSPKSTYSYWASVLNTKASFSKKKSRVQMVKELIDGQKILFENE EALYKWNNGSRVEFKKDDMADSALIASGWMRWQAQLKHYRNFCKQFLKQ 111100000000000000000111100000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000011111111000000000000000000000 000000000000000000000000000000111111111000000000000000000000000000001110000 000000000000000000000000000000000

>DM\_train1067 MPVFHTRTIESILEPVAQQISHLVIMHEEGEVDGKAIPDLTAPVAAVQAAVSNLVRVGKETVQTTEDQI LKRDMPPAFIKVENACTKLVQAAQMLQSDPYSVPARDYLIDGSRGILSGTSDLLLTFDEAEVRKIIRVCK GILEYLTVAEVVETMEDLVTYTKNLGPGMTKMAKMIDERQQELTHQEHRVMLVNSMNTVKELLPVLI SAMKIFVTTKNSKNQGIEEALKNRNFTVEKMSAEINEIIRVLQLTSWDEDAW 000000000000000000000000000011111110000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000

>DM\_train1068 MGSDKIHHHHHHMNDFKNQWLRKRTFAIPASRLTGRLTTLKSDVPAADSLFWKLWNGSLDTAVQV LQTDYFKGIAAGTLDPNAYGSLMVQDGYYCFRGRDDYATAATCAQDETLREFFKAKAKSYDEYNETY HQTWHLREASGLIPGTDIKDYADYEAYVAGSLASPYMCVVMLPCEYLWPWIANFLDGYTPTNSLYRF WIEWNGGTPNGAYQMGNMLEQYRDKIDEDKAVEIFNTAMNYELKVFTSSTILTTIENGK 111111111111111111111000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000111111

>DM\_train

>DM\_train1070 GSVTSANLDHTKPCWYWDKKDLAHTPSQLEGLDPATEARYRREGARFIFDVGTRLGLHYDTLATGIIY FHRFYMFHSFKQFPRYVTGACCLFLAGKVEETPKKCKDIIKTARSLLNDVQFGQFGDDPKEEVMVLERI LLQTIKFDLQVEHPYQFLLKYAKQLKGDKNKIQKLVQMAWTFVNDSLCTTLSLQWEPEIIAVAVMYLA GRLCKFEIQEWTSKPMYRRWWEQFVQDVPVDVLEDICHQILDLYSQGKQQMPH 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000

>DM\_train1071 MVEDSRVRDALKGGDQKALPASLVPQAPPVLTSKDKITKRMIVVLAMASLETHKISSNGPGGDKYVLL NCDDHQGLLKKMGRDISEARPDITHQCLLTLLDSPINKAGKLQVYIQTSRGILIEVNPTVRIPRTFKRFS GLMVQLLHKLSIRSVNSEEKLLKVIKNPITDHLPTKCRKVTLSFDAPVIRVQDYIEKLDDDESICVFVGAM ARGKDNFADEYVDEKVGLSNYPLSASVACSKFCHGAEDAWNILHHHHHH 111111111111111111111111000000000000000000000000000000011111111100000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000001111111

>DM\_train1072 MSTGITYDEDRKTQLIAQYESVREVVNAEAKNVHVNENASKILLLVVSKLKPASDIQILYDHGVREFGE NYVQELIEKAKLLPDDIKWHFIGGLQTNKCKDLAKVPNLYSVETIDSLKKAKKLNESRAKFQPDCNPILC NVQINTSHEDQKSGLNNEAEIFEVIDFFLSEECKYIKLNGLMTIGSWNVSHEDSKENRDFATLVEWKKK IDAKFGTSLKLSMGMSADFREAIRQGTAEVRIGTDIFGARPPKNEARII 111000000000000000000000000000000011111000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000111111110000000000000000000000000000000 00000000000000000000011111111111

>DM\_train1073 MATANNPPSGLLDPTLCEDRIFYNILEIEPRFLTSDSVFGTFQQSLTSHMRKLLGTWMFSVCQEYNLEP NVVALALNLLDRLLLIKQVSKEHFQKTGSACLLVASKLRSLTPISTSSLCYAAADSFSRQELIDQEKELLE KLAWRTEAVLATDVTSFLLLKLVGGSQHLDFWHHEVNTLITKALVDPLTGSLPASIISAAGCALLVPAN VIPQDTHSGGVVPQLASILGCDVSVLQAAVEQILTSVSDFDLRILDSY 111111111111111000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000111110000000

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>DM\_train1074 AKQNVSSLDEKNSVSVDLPGEMKVLVSKEKNKDGKYDLIATVDKLELKGTSDKNNGSGVLEGVKADK CKVKLTISDDLGQTTLEVFKEDGKTLVSKKVTSKDKSSTEEKFNEKGEVSEKIITRADGTRLEYTGIKSDGS GKAKEVLKGYVLEGTLTAEKTTLVVKEGTVTLSKNISKSGEVSVELNDTDSSAATKKTAAWNSGTSTLTI TVNSKKTKDLVFTKENTITVQQYDSNGTKLEGSAVEITKLDEIKNALK 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000

>DM\_train1075 MCELLGMSANVPTDIVFSFTGLMQRGGGTGPHRDGWGIAFYEGRGVRLFQDPLASVDSEVARLVQR FPIKSETVIGHIRQANVGKVGLSNTHPFIRELGGRYWTFAHNGQLADFQPKPGFYRPVGETDSEAAFC DLLNRVRRAFPEPVPVEVLLPVLISACDEYRKKGVFNALISDGDWLFTFCSSKLAYITRRAPFGPARLKD ADLTVDFHAETTPDDVVTVIATEPLTDNENWTLQQSGEWVLWWGGEVLAKGRV 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000111

>DM\_train1076 GMAGAAHRLMEARMRRYDNKFARISDIDINQPESWRGRIFLTFDIDWAADFVLQDTIDLIEGAGVCA TWFATHSTPLLENIRRNPLFELGVHPNFNPLLAGAHAEGVQEILDRTLELAPGCVSVRSHSLVQATSIL NMFGERRLRYDCNILVPWDAGIVLQPWRHWTGDMVRVPYLWEDDVACLYDWEFDSTFDYWYQP DGINVLDFHPIHVYMNTESLRRYEDSREVHRNPVDLIRWRNTSAGSRTFLQSLLARNI 111111111111111000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000

>DM\_train1077 PDPMKNTCKLLVVADHRFYRYMGRGEESTTTNYLIELIDRVDDIYRNTAWDNAGFKGYGIQIEQIRILK SPQEVKPGEKHYNMAKSYPNEEKDAWDVKMLLEQFSFDIAEEASKVCLAHLFTYQDFDMGTLGLAY GGSPRANSHGGVCPKAYYSPVGKKNIYLNSGLTSTKNYGKTILTKEADLVTTHELGHNFGAEHDPDGL AECAPNEDQGGKYVMYPIAVSGDHENNKMFSQCSKQSIYKTIESKAQECFQERS 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000011110000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000

>DM\_train1078 MTVRSRFFTEAEGKAVGVENAAAKGDVLLVCEHASATIPQKYGTLGLSADVLSSHAAWDPGALAVA RLLSEKFHATLVYQRFSRLVYDCNRPPESPSAMPVKSEIYDIPGNFDLDEAERFARTSALYVPFHDRVSE IIAERQAAGRKVVVVTIHSFTPVYHGRFREVEIGILHDNDSRLADAMLAGAEGASLTVRRNDPYGPED GVTHTLRLHALPDGLLNVMIEIRNDLIANEGEQAAIAGFLHELMGKALSSIEE 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1079 MPVEITVKELLEAGVHFGHERKRWNPKFARYIYAERNGIHIIDLQKTMEELERTFRFIEDLAMRGGTILFV GTKKQAQDIVRMEAERAGMPYVNQRWLGGMLTNFKTISQRVHRLEELEALFASPEIEERPKKEQVRL KHELERLQKYLSGFRLLKRLPDAIFVVDPTKEAIAVREARKLFIPVIALADTDSDPDLVDYIIPGNDDAIRSI QLILSRAVDLIIQARGGVVEPSPSYALVQEAEATETPEGESEVEA 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000001111111111111111

>DM\_train1080 MDFTKPETVLNLQNIRDELVRMEDSIIFKFIERSHFATCPSVYEANHPGLEIPNFKGSFLDWALSNLEIA HSRIRRFESPDETPFFPDKIQKSFLPSINYPQILAPYAPEVNYNDKIKKVYIEKIIPLISKRDGDDKNNFGSV ATRDIECLQSLSRRIHFGKFVAEAKFQSDIPLYTKLIKSKDVEGIMKNITNSAVEEKILERLTKKAEVYGVD PTNESGERRITPEYLVKIYKEIVIPITKEVEVEYLLRRLEE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000011111111100 0000000000000000000000000000000

>DM\_train1081 MTMDEQQSQAVAPVYVGGFLARYDQSPDEAELLLPRDVVEHWLHAQGQGQPSLSVALPLNINHD DTAVVGHVAAMQSVRDGLFCLGCVTSPRFLEIVRRASEKSELVSRGPVSPLQPDKVVEFLSGSYAGLSL SSRRCDDAEAPTSLSGSETTPFKHVALCSVGRRRGTLAVYGRDPEWVTQRFPDLTAADRDGLRAQW QRCGSTAVDASGDPFRSDSYGLLGNSVDALYIRERLPKLRYDKQLVGVTERESYVKA 111111111110000000000000000011111000000000111111111111100000000000000000000 000000000000000000000000000000000000000000000000000000000001111111111111111 111000000000000000000000000000000000000000000000011111111111000000000000000 0000000000000000000000000000000

>DM\_train1082 RPQPGDGERRYREASARKKIRLDRKYIVSCKQTEVPLSVPWDPSNQVYLSYNNVSSLKMLVAKDNWV LSSEISQVRLYTLEDDKFLSFHMEMVVHVDAAQAFLLLSDLRQRPEWDKHYRSVELVQQVDEDDAIY HVTSPALGGHTKPQDFVILASRRKPCDNGDPYVIALRSVTLPTHRETPEYRRGETLCSGFCLWREGDQ LTKVSYYNQATPGVLNYVTTNVAGLSSEFYTTFKACEQFLLDNRNDLAPSLQTL 111111111111100000000000000011111111000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000011

>DM\_train1084 GSCEKENIGIEVTPVNAKFIITPVVIDATTGTDVTQSAEISFSKGNGTYEGTPELASESININAKYKGMTG SASVTIPALKAGQFGAKEVTIILSENFFAQEESSNSQIETTKHSGFKNNTSDYWYYITVTYTKKEGSEVIK NDYEGDDSEIKNIIDAYNKGVREDKVTLNDVQVLAHSRFSVFVDYMKTTSVYQIIEKSPKRDGNPVAS FTVDSYNTIVSPKNEQIPGHGHAPSHGHGHGHGDDSNAGGGIIIAD 111111111111000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1085 MAAESQLKRVIETLRRLGIEEVLKLERRDPQYRAVCNVVKRHGETVGSRLAMLNALISYRLTGKGEEH WEYFGKYFSQLEVIDLCRDFLKYIETSPFLKIGVEARKKRALKACDYVPNLEDLGLTLRQLSHIVGARREQ KTLVFTIKILNYAYMCSRGVNRVLPFDIPIPVDYRVARLTWCAGLIDFPPEEALRRYEAVQKIWDAVARE TGIPPLHLDTLLWLAGRAVLYGENLHGVPKEVIALFQWRGGCRPPSE 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000011

>DM\_train1086 SEPVTIVLSQMGWVRSAKGHDIDAPGLNYKAGDSFKAAVKGKSNQPVVFVDSTGRSYAIDPITLPSAR GQGEPLTGKLTLPPGATVDHMLMESDDQKLLMASDAGYGFVCTFNDLVARNRAGKALITLPENAHV MPPVVIEDASDMLLAITQAGRMLMFPVSDLPQLSKGKGNKIINIPSAEAARGEDGLAQLYVLPPQSTL TIHVGKRKIKLRPEELQKVTGERGRRGTLMRGLQRIDRVEIDSPRRASSGDSEE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000001000000000000000000000000000 0000000000000000000001111111111

>DM\_train1087 GSHPLGDTSDASKLSSDYSLPDLINTRKVPNNWQTGEQASLEEGRIVLTSNQNSKGSLWLKQGFDLK DSFTMEWTFRSVGYSGQTDGGISFWFVQDSNIPRDKQLYNGPVNYDGLQLLVDNNGPLGPTLRGQ LNDGQKPVDKTKIYDQSFASCLMGYQDSSVPSTIRVTYDLEDDNLLKVQVDNKVCFQTRKVRFPSGS YRIGVTAQNGAVNNNAESFEIFKMQFFNGVIEDSLIPNVNAMGQPKLITKYIDQQTG 111111111000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000011111111111000000011111

>DM\_train1088 MTNESILESYSGVTPERKKSRMPAKLDWWQSATGLFLGLFMIGHMFFVSTILLGDNVMLWVTKKFEL DFIFEGGKPIVVSFLAAFVFAVFIAHAFLAMRKFPINYRQYLTFKTHKDLMRHGDTTLWWIQAMTGFA MFFLGSVHLYIMMTQPQTIGPVSSSFRMVSEWMWPLYLVLLFAVELHGSVGLYRLAVKWGWFDGET PDKTRANLKKLKTLMSAFLIVLGLLTFGAYVKKGLEQTDPNIDYKYFDYKRTHEE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000001

>DM\_train1089 MHHHHHHGTSLYKKAGSENLYFQGITTRTARQCGQADYGWLQARYTFSFGHYFDPKLLGYASLRVL NQEVLAPGAAFQPRTYPKVDILNVILDGEAEYRDSEGNHVQASAGEALLLSTQPGVSYSEHNLSKDKP LTRMQLWLDACPQRENPLIQKLALNMGKQQLIASPEGAMGSLQLRQQVWLHHIVLDKGESANFQL HGPRAYLQSIHGKFHALTHHEEKAALTCGDGAFIRDEANITLVADSPLRALLIDLPV

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>DM\_train1091 PKVSVIMTSYNKSDYVAKSISSILSQTFSDFELFIMDDNSNEETLNVIRPFLNDNRVRFYQSDISGVKERT EKTRYAALINQAIEMAEGEYITYATDDNIYMPDRLLKMVRELDTHPEKAVIYSASKTYHLNENRDIVKET VRPAAQVTWNAPCAIDHCSVMHRYSVLEKVKEKFGSYWDESPAFYRIGDARFFWRVNHFYPFYPLD EELDLNYITDQSIHFQLFELEKNEFVRNLPPQRNCRELRESLKKLGMG 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000111000000000000000 000000000000000000000000000000000000000000000000000000000000000000111111111 111110000000000000000000000000

>DM\_train1092 MIMPQHDQLHRYLFENFAVRGELVTVSETLQQILENHDYPQPVKNVLAELLVATSLLTATLKFDGDIT VQLQGDGPMNLAVINGNNNQQMRGVARVQGEIPENADLKTLVGNGYVVITITPSEGERYQGVVGL EGDTLAACLEDYFMRSEQLPTRLFIRTGDVDGKPAAGGMLLQVMPAQNAQQDDFDHLATLTETIKT EELLTLPANEVLWRLYHEEEVTVYDPQDVEFKCTCSRERCADALKTLPDEEVDSIL 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000111111111111111111111

>DM\_train1093 ATPWQKITQPVPGSAQSIGSFSNGCIVGADTLPIQSEHYQVMRTDQRRYFGHPDLVMFIQRLSSQVS NLGMGTVLIGDMGMPAGGRFNGGHASHQTGLDVDIFLQLPKTRWTSAQLLRPQALDLVSRDGKH VVSTLWKPEIFSLIKLAAQDKDVTRIFVNPAIKQQLCLDAGTDRDWLRKVRPWFQHRAHMHVRLRCP ADSLECEDQPLPPSGDGCGAELQSWFEPPKPGTTKPEKKTPPPLPPSCQALLDEHVI 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 111111111111110000000000000011

>DM\_train

>DM\_train1095 MPAEIPEFKKLGLPDKVLELCHRKMGLILVTGPTGSGKSTTIASMIDYINQTKSYHIITIEDPIEYVFKHKKS IVNQREVGEDTKSFADALRAALREDPDVIFVGEMRDLETVETALRAAETGHLVFGTLHTNTAIDTIHRI VDIFPLNQQEQVRIVLSFILQGIISQRLLPKIGGGRVLAYGLLIPNTAIRNLIRENKLQQVYSLMQSGQAE

TGMQTMNQTLYKLYKQGLITLEDAMEASPDPKELERMIRGGR 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000111

>DM\_train1096 MGSSSSGLVPRGSHMTTFHDLPLEERLTLARLGTSHYSRQLSLVDNAEFGEHSLLEGWTRSHLIAHVA YNAIALCNLMHWANTGEETPMYVSPEARNEEIAYGSTLNPDALRNLHEHSVARLDVAWRETSEDA WSHEVLTAQGRTVPASETLWMRSREVWIHAVDLGAVATFGDIPEVILRTLAAEITQKWTSQGAGEGL VLLDEPSSTRYPAAPGQDEVVVSGSLAGIVRYAAGRGSDGVTSSTGEVPEPPRWL 111111111111110000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000001

>DM\_train1097 GMDKYLSANSLEGVIDNEFSMPAPRWLNTYPAGPYRFINREFFIIAYETDPDLLQAILPPDMELLEPVV KFEFIRMPDSTGFGDYTESGQVVPVRYKGEEGGFTISMFLDCHAPIAGGREIWGFPKKLAKPKLFVEED TLIGILKYGSIDIAIATMGYKHRPLDAEKVLESVKKPVFLLKNIPNVDGTPLVNQLTKTYLTDITVKGAWT GPGSLELHPHALAPISNLYIKKIVSVSHFITDLTLPYGKVVADYLA 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000

>DM\_train1098 MLDVAPPVITPRGTKIEPSAGAPFEAVRVARDVLHTSRTAALATLDPVSGYPYTTATNIGIEPDGTPFFF AAGLTLHARNMETDARISVTLAPFGKGDALTLPRLTLVGRADRIGPDEVPLAIARYIARYPKAKLYLSLP DTRLYRLRTEGVQINGGPARNASNITPADLRTDLSGAEELMAAAESEATRLNAIKGEASRLAVLAGAK TGRWKITSIDPDGIDLASASDLARLWFAERVETLKQFEKALAQLLK 111100000000111111110000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000111111100000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000011

>DM\_train

>DM\_train1100 MSKPWLFTVHGTGQPDPLGPGLPADTARDVLDIYRWQPIGNYPAAAFPMWPSVEKGVAELILQIELK LDADPYADFAMAGYSQGAIVVGQVLKHHILPPTGRLHRFLHRLKKVIFWGNPMRQKGFAHSDEWIH

PVAAPDTLGILEDRLENLEQYGFEVRDYAHDGDMYASIKEDDLHEYEVAIGRIVMKASGFIGGRDSVV AQLIELGQRPITEGIALAGAIIDALTFFARSRMGDKWPHLYNRYPAVEFLRQI 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000001

>DM\_train

>DM\_train1103 GAMSSKNEWRKSAIANTLLYLRLKNIYVSADDFVEEQNVYVLPKNLLKKFIEISDVKIQVAAFIYGMSAK DHPKVKEIKTVVLVPQLGHVGSVQISNIPDIGDLPDTEGLELLGWIHTQTEELKFMAASEVATHSKLFA DKKRDCIDISIFSTPGSVSLSAYNLTDEGYQWGEENKDIMNVLSEGFEPTFSTHAQLLLSDRITGNFIIPS GNVWNYTFMGTAFNQEGDYNFKYGIPLEFYNEMHRPVHFLQFSE 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000001

>DM\_train1104 SFQEQTTKSRDVNSFQIPLRDGVRELLPEDASRNRASIKSPVDIWIGGENMTALNGIVDGGRKFEAGQ EFQINTFGSVNYWVSDEEIRVFKEYSARAKYAQNEGRTALEANNVPFFDIDVPPELDGVPFSLKARVR HKSKGVDGLGDYTSISVKPAFYITEGDETTDTLIKYTSYGSTGSHSGYDFDDNTLDVMVTLSAGVHRVF PVETELDYDAVQEVQHDWYDESFTTFIEVYSDDPLLTVKGYAQILMERT 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000

>DM\_train1107 MAHTGQTAKSQGDTATMELTAKPRTPKQKLDESMIAAVAYNKENNVSFALDRKAFDRAFRQQSTT GLFDITVEGGETFPALVKAVQMDKRKRAPIHVDFYMVTYGEPVEVSVPVHTTGRSQGEVQGGLVDIV VHNLQIVAPGPRRIPQELVVDVTKMNIGDHITAGDIKLPEGCTLAADPELTVVSVLPPRLTAEELEAEV QAAQVAGLVAAGELSEEAAEAVLEGDASLEEVKAEASEDNAGTDSEDNSDAQ 111111111111111100000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000011111111111111

>DM\_train1108 MGSDKIHHHHHHMTVLIIGMGNIGKKLVELGNFEKIYAYDRISKDIPGVVRLDEFQVPSDVSTVVECAS

PEAVKEYSLQILKNPVNYIIISTSAFADEVFRERFFSELKNSPARVFFPSGAIGGLDVLSSIKDFVKNVRIETI KPPKSLGLDLKGKTVVFEGSVEEASKLFPRNINVASTIGLIVGFEKVKVTIVADPAMDHNIHIVRISSAIG NYEFKIENIPSPENPKTSMLTVYSILRTLRNLESKIIFG 111111111100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000011 1111110000000000000000000000

>DM\_train1109 MAMQVPPLTELSPSISVHLLLGNPSGATPTKLTPDNYLMVKNQYALSYNNSKGTANWVAWQLNSS WLGNAERQDNFRPDKTLPAGWVRVTPSMYSGSGYARGHIAPSADRTKTTEDNAATFLMTNMMPQ TPDNNRNTWGNLEDYCRELVSQGKELYIVAGPNGSLGKPLKGKVTVPKSTWKIVVVLDSPGSGLEGIT ANTRVIAVNIPNDPELNNDWRAYKVSVDELESLTGYDFLSNVSPNIQTSIESKVDN 111111111111110000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000

>DM\_train1110 MNNQGSIISVSLGPGDPGLITVKALSQLREADVIYYPGTVSASGAVTSVALDILKEFDLDPSKLRGMLV PMSRSRGAAEASYAANYASMAEEVQAGRRVAVVSVGDGGFYSTASAIIERARRDGLDCSMTPGIPAF IAAGSAAGMPLALQSDSVLVLAQIDEIGELERALVTHSTVVVMKLSTVRDELVSFLERYAKPFLYAEKVG MAGEFITMEVDALRSRAIPYFSLLVCSPHCRQSTLSPFASKLAAALE 111100000000000000000000000000000000000000000000000000000000000000000001111 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000011111111111

>DM\_train1111 MSKVVPIASLTPYQSKWTICARVTNKSQIRTWSNSRGEGKLFSLELVDESGEIRATAFNEQVDKFFPLIE VNKVYYFSKGTLKIANKQFTAVKNDYEMTFNNETSVMPCEDDHHLPTVQFDFTGIDDLENKSKDSLV DIIGICKSYEDATKITVRSNNREVAKRNIYLMDTSGKVVTATLWGEDADKFDGSRQPVLAIKGARVSDF GGRSLSVLSSSTIIANPDIPEAYKLRGWFDAEGQALDGVSISDLKS 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000011111111000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000111111

>DM\_train1112 SNAMTTPIRVVVWNEFRHEKKDEQVRAIYPEGMHTVIASYLAEAGFDAATAVLDEPEHGLTDEVLDR CDVLVWWGHIAHDEVKDEVVERVHRRVLEGMGLIVLHSGHFSKIFKKLMGTTCNLKWREADEKERL WVVAPGHPIVEGIGPYIELEQEEMYGEFFDIPEPDETIFISWFEGGEVFRSGCTFTRGKGKIFYFRPGHET YPTYHHPDVLKVIANAVRWAAPVNRGEIVFGNVKPLEPIKAKQGGVTQ 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000001111111

>DM\_train1113

PGMAGDSEQTLQNHQQPNGGEPFLIGVSGGTASGKSSVCAKIVQLLGQNEVDYRQKQVVILSQDSF YRVLTSEQKAKALKGQFNFDHPDAFDNELILKTLKEITEGKTVQIPVYDFVSHSRKEETVTVYPADVVLF EGILAFYSQEVRDLFQMKLFVDTDADTRLSRRVLRDISERGRDLEQILSQYITFVKPAFEEFCLPTKKYAD VIIPRGADNLVAINLIVQHIQDILNGGPSKRQTNGCLNGYTPSRK

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>DM\_train1114 LHWPTSLPSGDAFSSVGTHRFVQKVEEMVQNHMTYSLQDVGGDANWQLVVEEGEMKVYRREVEE NGIVLDPLKATHAVKGVTGHEVCNYFWNVDVRNDWETTIENFHVVETLADNAIIIYQTHKRVWPAS QRDVLYLSVIRKIPALTENDPETWIVCNFSVDHDSAPLNNRCVRAKINVAMICQTLVSPPEGNQEISR DNILCKITYVANVNPGGWAPASVLRAVAKREYPKFLKRFTSYVQEKTAGKPILF 111111111111111111000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000001110000000000000000000000000000000000 000000000000000000000000000

>DM\_train1115 MGSDKIHHHHHHMSLDMKEHPDAEVQKNQVLTLEDWKEKWVTRHISFHQEQGHQLLKKHLDTFL KGQSGLRVFFPLCGKAIEMKWFADRGHTVVGVEISEIGIREFFAEQNLSYTEEPLAEIAGAKVFKSSSGSI SLYCCSIFDLPRANIGKFDRIWDRGALVAINPGDHDRYADIILSLLRKEFQYLVAVLSYDPTKHAGPPFY VPSAELKRLFGTKCSMQCLEEVDALEERHKAWGLDYLFEKLYLLTEK 111111111111111111111100000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000

>DM\_train1116 GPLGSPASVPLRTEEEFKKFISDKDASIVGFFDDSFSEAHSEFLKAASNLRDNYRFAHTNVESLVNEYDD NGEGIILFRPSHLTNKFEDKTVAYTEQKMTSGKIKKFIQENIFGICPHMTEDNKDLIQGKDLLIAYYDVD YEKNAKGSNYWRNRVMMVAKKFLDAGHKLNFAVASRKTFSHELSDFGLESTAGEIPVVAIRTAKGEK FVMQEEFSRDGKALERFLQDYFDGNLKRYLKSEPIPESNDGAAAS 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000001111111111111111

>DM\_train1117 MAETAVINHKKRKNSPRIVQSNDLTEAAYSLSRDQKRMLYLFVDQIRKSDGTLQEHDGICEIHVAKYA EIFGLTSAEASKDIRQALKSFAGKEVVFYRPEEDAGDEKGYESFPWFIKPAHSPSRGLYSVHINPYLIPFFI GLQNRFTQFRLSETKEITNPYAMRLYESLCQYRKPDGSGIVSLKIDWIIERYQLPQSYQRMPDFRRRFL QVCVNEINSRTPMRLSYIEKKKGRQTTHIVFSFRDITSMTTG 111111111111110000000000000000000000000000000000011111100000000000000000000 000000000000000000000011111111111100000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000011111

>DM\_train1118 MGSLVREWVGFQQFPAATQEKLIEFFGKLKQKDMNSMTVLVLGKGGVGKSSTVNSLIGEQVVRVSPF QAEGLRPVMVSRTMGGFTINIIDTPGLVEAGYVNHQALELIKGFLVNRTIDVLLYVDRLDVYAVDELDK QVVIAITQTFGKEIWCKTLLVLTHAQFSPPDELSYETFSSKRSDSLLKTIRAGSKMRKQEFEDSAIAVVYA ENSGRCSKNDKDEKALPNGEAWIPNLVKAITDVATNQRKAIHVD 111110000000000000000000000000000000000000000000000000000000000000000100000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000001

>DM\_train1119 MNINDALTSILASKKYRALCPDTVRRILTEEWGRHKSPKQTVEAARTRLHGICGAYVTPESLKAAAAAL SAGDVKKALSLHASTKERLAELDTLYDFIFSAETPRRVLDIACGLNPLALYERGIASVWGCDIHQGLGD VITPFAREKDWDFTFALQDVLCAPPAEAGDLALIFKLLPLLEREQAGSAMALLQSLNTPRMAVSFPTRS LGGRGKGMEANYAAWFEGGLPAEFEIEDKKTIGTELIYLIKKNG 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000001111111111100000000 00000000000000000000000001

>DM\_train1121 GHMNMSQSQEIVLQPRSIVVPGELLAEGEFQIPWSPYILKINSKYYSTVVGLFDVKDTQFEVIPLEGSFY YPKINDIVIGLVEDVEIYGWVVDIKAPYKAYLPASNLLGRSINVGEDLRRYLDVGDYVIARIENFDRSIDP VLSVKGKDLGRVSNGIVIDIMPVKVPRVIGKNKSMYETLTSKSGCSIFVANNGRIWATCPSRFSEEILIEA IRKIENESHIKGLTDRIKQFIEEKLGERNASSGETKTNS 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000011100000000000111110000000000000000000011 11111111111111111111111111

>DM\_train

>DM\_train1123 MPTFLLVNDDGYFSPGINALREALKSLGRVVVVAPDRNLSGVGHSLTFTEPLKMRKIDTDFYTVIDGTP ADCVHLGYRVILEEKKPDLVLSGINEGPNLGEDITYSGTVSGAMEGRILGIPSIAFSAFGRENIMFEEIAK VCVDIVKKVLNEGIPEDTYLNVNIPNLRYEEIKGIKVTRQGKRAYKERVFKYIDPYGKPFYWIAAEEFGW HAEEGTDYWAVLNGYVSVTPLHLDLTNYKVMKSIKYLEDSP 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1124 SGAMYIDCDGIKLNAYLDMPKNNPEKCPLCIIIHGFTGHSEERHIVAVQETLNEIGVATLRADMYGHG KSDGKFEDHTLFKWLTNILAVVDYAKKLDFVTDIYMAGHSQGGLSVMLAAAMERDIIKALIPLSPAAM IPEIARTGELLGLKFDPENIPDELDAWDGRKLKGNYVRVAQTIRVEDFVDKYTKPVLIVHGDQDEAVPY EASVAFSKQYKNCKLVTIPGDTHCYDHHLELVTEAVKEFMLEQIAK 000000000000000000000000000000000000000000000000000000000000000000111111111 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000

>DM\_train1126 MTFGEQPAYLRVAGDLRKKIVDGSLPPHTRLPSQARIREEYGVSDTVALEARKVLMAEGLVEGRSGSG TYVRERPVPRRVARSGYRPDSGATPFRQEQADGAVRGTWESHSEQAEASGAIAERLDIRPGERVMCT KYVFRDAGEVMMLSTSWEPLAVTGRTPVMLPEEGPVGGMGVVERMAAIDVIVDNVTEEVGARPGL AEELLTLGGVPGHVVLVIQRTYFASGRPVETADVVVPADRYRVAYHLPVK 111111110000000000000000000000000000000000000000000000000000001111110000000 000000000001100000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000

>DM\_train1127 SLPMQHVHTSPVRDYRNRCARREGETVFQVVVEETDLRVTALAELATPMAAYVGELRAQLKVWMEF QPAFRHSLVPVEVPEGAPEVVRRMAHGARLVGVGPFAAVAGTIAQMVAERFVDVSPELIVENGGDL YLYSERDRVVGILPDPASGDMVGILVRAGTAPVSLCGSSARIGHSLSLGDGDLAVVRARDASLADAAA TAFGNMLRRADDVAAVTERAAQLASIGIEGVYAQCGGRIGIWGDMELAVA 111111111111111111100000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000

>DM\_train1128 GQLPVVGADGLRPMEQYARPWSGARGTRVAIVVGGLGLSQTGSQKAIRDLPPEVTLGFAASGNSLQ RWMQDARREGHEILLQIPLEPFGYPGTNPGPDTLLAGDPAKVNIDRLHRSMAKITNYTGVMNYLGG RFLAEQSALEPVMRDIGKRGLLFLDDGSSAQSLSGGIAKAISAPQGFADVLLDGEVTEASILRKLDDLER IARRNGQAIGVASAFDESIAAISKWSREAGGRGIEIVGVSALVSGQAG 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000011111

>DM\_train1129 MTDILIDDTATEAVRTLIRAFPLVPVSQPPEQGSYLLAEHDTVSLRLVGEKSNVIVDFTSGAAQYRRTKG GGELIAKAVNHTAHPTVWDATAGLGRDSFVLASLGLTVTAFEQHPAVACLLSDGIRRALLNPETQDT AARINLHFGNAAEQMPALVKTQGKPDIVYLDPMYPERRKSAAVKKEMAYFHRLVGEAQDEVVLLHT ARQTAKKRVVVKRPRLGEHLAGQAPAYQYTGKSTRFDVYLPYGADKG 100000000000000000000000000000000000000000000000000000000001111111111111000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1130 GSPGILAPLAPGSEDNFARFVCKNNGVLFENQLLQIGLKSEFRQNLGRMFIFYGNKTSTQFLNFTPTLIC ADDLQTNLNLQTKPVDPTVDGGAQVQQVINIECISDFTEAPVLNIQFRYGGTFQNVSVKLPITLNKFF QPTEMASQDFFQRWKQLSNPQQEVQNIFKAKHPMDTEITKAKIIGFGSALLEEVDPNPANFVGAGII HTKTTQIGCLLRLEPNLQAQMYRLTLRTSKDTVSQRLCELLSEQF 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000

>DM\_train1132 MTTNDTYEATYAIPMHCENCVNDIKACLKNVPGINSLNFDIEQQIMSVESSVAPSTIINTLRNCGKDAI IRGAGKPNSSAVAILETFQKYTIDQKKDTAVRGLARIVQVGENKTLFDITVNGVPEAGNYHASIHEKGD VSKGVESTGKVWHKFDEPIECFNESDLGKNLYSGKTFLSAPLPTWQLIGRSFVISKSLNHPENEPSSVKD YSFLGVIARSAGVWENNKQVCACTGKTVWEERKDALANNIK 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000001111

>DM\_train1133 MKSMSEYLNLLKEAIQNVVDGGWHETKRKGNTGIGKTFEDLLEKEEDNLDAPDFHDIEIKTHETAAKS LLTLFTKSPTNPRGANTMLRNRYGKKDEYGNNILHQTVSGNRKTNSNSYNYDFKIDIDWESQVVRLE VFDKQDIMIDNSVYWSFDSLQNQLDKKLKYIAVISAESKIENEKKYYKYNSANLFTDLTVQSLCRGIEN GDIKVDIRIGAYHSGKKKGKTHDHGTAFRINMEKLLEYGEVKVIV 111111000000000000000000000111110000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000001111111111 111000000000000000000000

>DM\_train

>DM\_train1135 MTAAEHGLHAPAYAWSHNGPFETFDHASIRRGYQVYREVCAACHSLDRVAWRTLVGVSHTNEEVR NMAEEFEYDDEPDEQGNPKKRPGKLSDYIPGPYPNEQAARAANQGALPPDLSLIVKARHGGCDYIFS LLTGYPDEPPAGVALPPGSNYNPYFPGGSIAMARVLFDDMVEYEDGTPATTSQMAKDVTTFLNWCA EPEHDERKRLGLKTVIILSSLYLLSIWVKKFKWAGIKTRKFVFNPPKPRK 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1136 VRSFIYEPFQIPSGSMMPTLLIGDFILVEKFAYGIKDPIYQKTLIETGHPKRGDIVVFKYPEDPKLDYIKRAV GLPGDKVTYDPVSKELTIQPGCSSGQACENALPVTYSNVEPSDFVQTFSRRNGGEATSGFFEVPKNET KENGIRLSERKETLGDVTHRILTVPIAQDQVGMYYQQPGQQLATWIVPPGQYFMMGDNRDNSADS RYWGFVPEANLVGRATAIWMSFDKQEGEWPTGLRLSRIGGIH 111000000000000000000000000000011111111111111110000000000000000000000000000 000000000000000000001111100000000000000000000000111100000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00001111111110000000000

>DM\_train1137 GSHMASMTGGQQMGRGSEFKKYLETNGIKPKQFHKKELIFNQWDPQEYCIFLYDGITKLTSISENGTI MNLQYYKGAFVIMSGFIDTETSVGYYNLEVISEQATAYVIKINELKELLSKNLTHFFYVFQTLQKQVSYSL AKFNDFSINGKLGSICGQLLILTYVYGKETPDGIKITLDNLTMQELGYSSGIAHSSAVSRIISKLKQEKVIV YKNSCFYVQNLDYLKRYAPKLDEWFYLACPATWGKLN 111111111111111000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000001111111110000000000000000000000000000000 00000000000000000000000

>DM\_train1138 MSEAAQTLDGWYCLHDFRTIDWSAWKTLPNEEREAAISEFLALVDQWETTESEKQGSHAVYTIVGQK ADILFMILRPTLDELHEIETALNKTKLADYLLPAYSYVSVVELSNYLASGSEDPYQIPEVRRRLYPILPKTN YICFYPMDKRRQGNDNWYMLSMEQRRELMRAHGMTGRKYAGKVTQIITGSVGLDDFEWGVTLFSD DALQFKKLVYEMRFDEVSARFGEFGSFFVGTRLPMENVSSFFHV 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000

>DM\_train1139 MAVTDLSLTNSSLMPTLNPMIQQLALAIAASWQSLPLKPYQLPEDLGYVEGRLEGEKLVIENRCYQTP QFRKMHLELAKVGKGLDILHCVMFPEPLYGLPLFGCDIVAGPGGVSAAIADLSPTQSDRQLPAAYQKS LAELGQPEFEQQRELPPWGEIFSEYCLFIRPSNVTEEERFVQRVVDFLQIHCHQSIVAEPLSEAQTLEHR QGQIHYCQQQQKNDKTRRVLEKAFGEAWAERYMSQVLFDVIQ 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000

>DM\_train1140 MSDDPIAASQAVVLSQAQAQNSQYALARTFATQKVSLEESVLSQVTTAIQTAQEKIVYAGNGTLSDD DRASLATDLQGIRDQLMNLANSTDGNGRYIFAGYKTEAAPFDQATGGYHGGEKSVTQQVDSARTM VIGHTGAQIFNSITSNAVPEPDGSDSEKNLFVMLDTAIAALKTPVEGNNVEKEKAAAAIDKTNRGLKN SLNNVLTVRAELGTQLSELSTLDSLGSDRALGQKLQMSNLVDVDWNSV

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>DM\_train1141 GMSEENKIGTYQFVAEPFHVDFNGRLTMGVLGNHLLNCAGFHASDRGFGIATLNEDNYTWVLSRLAI ELDEMPYQYEKFSVQTWVENVYRLFTDRNFAVIDKDGKKIGYARSVWAMINLNTRKPADLLALHGGS IVDYICDEPCPIEKPSRIKVTSNQPVATLTAKYSDIDINGHVNSIRYIEHILDLFPIELYQTKRIRRFEMAYV AESYFGDELSFFCDEVSENEFHVEVKKNGSEVVCRSKVIFE 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000001111000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000

>DM\_train1142 MGSDKIHHHHHHMEDGMNTFDLYYWPVPFRGQLIRGILAHCGCSWDEHDVDAIEGLMDCGAEKQ PVAFMGPPVLIDRERNFAISQMPAIAIYLGERLDILPATVEGRTLSAKIVNDANDVLDELTLNGGREMW TPEKWQEFVPRLQKWIRIFADTGARNGLSAASGFMLGTEKIGVADIVTAILWTTVADRFPAIKGIIEDTS PIIWGLSRRVVATAPLAALNSKSFEEYGNAYCGGEIEKSLRKVAS 111111111111110000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000

>DM\_train1143 GEAQPASGRFDQVGGAFGWKPHKLDPKECAQVAYDGYWYKGFGCGFGAFYSIVGLMGEKYGAPY NQFPFAMLEANKGGISDWGTICGALYGAAATFSLFWGRKEVHPMVNELFRWYEVTKLPIFNPGDAA QGVKGDLPMSASDSVLCHISVSKWCYENKIEATSKQRSERCGRLTADAAFKAAEIINTKIDQGKDFKST FPMQASVSSCGECHMTKGNDANWAKGIMDCTPCHSGTAATQNKFVNHP 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000

>DM\_train1144 MRSRRVDVMDVMNRLILAMDLMNRDDALRVTGEVREYIDTVKIGYPLVLSEGMDIIAEFRKRFGCRII AAFKVADIPETNEKICRATFKAGADAIIVHGFPGADSVRACLNVAEEMGREVFLLTEMSHPGAEMFIQ GAADEIARMGVDLGVKNYVGPSTRPERLSRLREIIGQDSFLISPGVGAQGGDPGETLRFADAIIVGRSIY LADNPAAAAAGIIESIKDLLNPEDPAANKARKEAELAAATA 111111111111100000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000111 1111111111111111111111

>DM\_train1145 MFKAIVSAATLRDALDSVSVLVDECKIRLNEESLSIRAVDPANVGMVDLTLDAAAFESYEAHGGVIGV NLSRLEEVAGMAGAGDLIHLTLDEETRKLNIRIDGLSYTLALIDPDSIRQEPDIPDLDLAANIVLEGTHLD RGIKAADMVSDHIRLRVDGAEETFHIEAEGDTDDVDLSLPPADLISIEAGAADSLFSLDYLKDMNKAIP

TDAEVTVELGEEFPVKLHYQIAEGMGTITYMLAPRIQSD 100000000000000000000000000011100000000000000000000000000001111100000000000 000001111000001111111000000000000111000011110000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000001111

>DM\_train1146 MAHHHHHHLPALKLALEYIVPCMNKHGICVVDDFLGKETGQQIGDEVRALHDTGKFTDGQLVSQKS DSSKDIRGDKITWIEGKEPGCETIGLLMSSMDDLIRHCNGKLGSYKINGRTKAMVACYPGNGTGYVRH VDNPNGDGRCVTCIYYLNKDWDAKVSGGILRIFPEGKAQFADIEPKFDRLLFFWSDRRNPHEVQPAY ATRYAITVWYFDADERARAKVKYLTGEKGVRVELNKPSDSVGKDVF 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 1110000000111111111111

>DM\_train1147 SNATTHKFEHPLNEKTRIYLRVESLLRQAHLASGFADNHQYQLFFRALFDMVEIFEQIQLKSELAKDLEK QRLSYRHWLNVEGVDQEALNSLLNEIDVVHSQLMGAERFGQALKEDRFLSSIRQRFNLPGGSCCFDL PALHYWLHLPIERKKHDANQWQKSLKPLSDALTLWLKLARETGHFKAQIARAGFFQSDADEANILRL HIPMKYGVYPMISGHKNRFAIKFMAFENGQACSQDVEFELAVC 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000001111000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000

>DM\_train1148 GAMGMIDIHSHIVFDVDDGPKSREESKALLAESYRQGVRTIVSTSHRRKGMFETPEEKIAENFLQVREI AKEVASDLVIAYGAEIYYTPDVLDKLEKKRIPTLNDSRYALIEFSMNTPYRDIHSALSKILMLGITPVIAHIE RYDALENNEKRVRELIDMGCYTQVNSSHVLKPKLFGERYKFMKKRAQYFLEQDLVHVIASDMHNLD GRPPHMAEAYDLVTQKYGEAKAQELFIDNPRKIVMDQLI 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000

>DM\_train1149 MISDSMTVEEIRLHLGLALKEKDFVVDKTGVKTIEIIGASFVADEPFIFGALNDEYIQRELEWYKSKSLFVK DIPGETPKIWQQVASSKGEINSNYGWAIWSEDNYAQYDMCLAELGQNPDSRRGIMIYTRPSMQFDY NKDGMSDFMCTNTVQYLIRDKKINAVVNMRSNDVVFGFRNDYAWQKYVLDKLVSDLNAGDSTRQ YKAGSIIWNVGSLHVYSRHFYLVDHWWKTGETHISKKDYVGKYA 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000011111

>DM\_train1151 MEATIYDLDGNTDGEVDLPDVFETPVRSDLIGKAVRAAQANRKQDYGSDEYAGLRTPAESFGSGRG QAHVPKLDGRARRVPQAVKGRSAHPPKTEKDRSLDLNDKERQLAVRSALAATADADLVADRGHEF

DRDEVPVVVSDDFEDLVKTQEVVSLLEALDVHADIDRADETKIKAGQGSARGRKYRRPASILFVTSDEP STAARNLAGADVATASEVNTEDLAPGGAPGRLTVFTESALAEVAER 000000011100000000000000000000000000000000000000000000000000000000000111111 111000000000000000000000000000000000000000000111111111111111110000000000000 000000000000000000111111111111111111111111000000000000000000000000000000000 111100000000000000000

>DM\_train1153 EQLLPDLLISPHMLPLTDLEIKFQYRGRPPRALTISNPHGCRLFYSQLEATQEQVELFGPISLEQVRFPSP EDIPSDKQRFYTNQLLDVLDRGLILQLQGQDLYAIRLCQCKVFWSGPCASAHDSCPNPIQREVKTKLF SLEHFLNELILFQKGQTNTPPPFEIFFCFGEEWPDRKPREKKLITVQVVPVAARLLLEMFSGELSWSADD IRLQISNPDLKDRMVEQFKELHHIWQSQQRLQPVAQA 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000001111111111

>DM\_train1154 MKLARFLAKGRVHQGVYREGLLLDEAGEAHRPEDVTWLLPFTPGKILGVALNYADHAEELGLSRPEEP ALFWKPNTSLLPHKGVVLYPKGARFVHYEVELAVVVGRPMKRVRAKDALDYVLGYTIANDLVARDYV TNTFRPPIRAKGRDTFLPLGPFLVVEEVEDPQDLWLRAYVNGELRQEGHTSRMLYSVAELLEFISEFMT LEPYDVLLTGTPKGISQVRPGDVMRLEIEGLGALENPIEEEP 000000000000000000000000000000000000000000000000000000111111000000000000000 000000000000000000000000000000000000000000000000000000000000111100000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000

>DM\_train1155 MGSDKIHHHHHHMVRLSEAEVQNPKLGEYQCLADLNLFDSPECTRLATQSASGRHLWVTSNHQNL AVEVYLCEDDYPGWLSLSDFDSLQPATVPYQAATFSESEIKKLLAEVIAFTQKAMQQSNYYLWGGTV GPNYDCSGLMQAAFASVGIWLPRDAYQQEGFTQPITIAELVAGDLVFFGTSQKATHVGLYLADGYYI HSSGKDQGRDGIGIDILSEQGDAVSLSYYQQLRGAGRVFKSYEPQRR 111111111111111111111111000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000

>DM\_train1156 VGPEAYGEASHSHSPASGRYIQQMLDQRCQEIAAELCQSGLRKMCVPSSRIVARNAVGITHQNTLQ WRCFDTASLLESNQENNGVNCVDDCGHTIPCPGGVHRQNSNHATRHEILSKLVEEGVQRFCSPYQ ASANKYCNDKFPGTIARRSKGFGNNVEVAWRCYEKASLLYSVYAECASNCGTTWYCPGGRRGTSTEL DKRHYTEEEGIRQAIGSVDSPCSEVEVCLPKDENPPLCLDESGQISRT 111111111110000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000

>DM\_train1157 KHYSIQPANLEFNAEGTPVSRDFDDVYFSNDNGLEETRYVFLGGNQLEARFPEHPHPLFVVAESGFGT

GLNFLTLWQAFDQFREAHPQAQLQRLHFISFEKFPLTRADLALAHQHWPELAPWAEQLQAQWPMP LPGCHRLLLDEGRVTLDLWFGDINELISQLDDSLNQKVDAWFLDGFAPAKNPDMWTQNLFNAMAR LARPGGTLATFTSAGFVRRGLQEAGFTMQKRKGFGRKREMLCGVMEQT

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>DM\_train1158 MYPVDLHMHTVASTHAYSTLSDYIAQAKQKGIKLFAITDHGPDMEDAPHHWHFINMRIWPRVVDG VGILRGIEANIKNVDGEIDCSGKMFDSLDLIIAGFHEPVFAPHDKATNTQAMIATIASGNVHIISHPGNP KYEIDVKAVAEAAAKHQVALEINNSSFLHSRKGSEDNCREVAAAVRDAGGWVALGSDSHTAFTMGE FEECLKILDAVDFPPERILNVSPRRLLNFLESRGMAPIAEFADL 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000001111111111000000000000000000000000000000000000000000000000000000 00000000000000000000

>DM\_train1159 MDKNELVQKAKLAEQAERYDDMAACMKSVTEQGAELSNEERNLLSVAYKNVVGARRSSWRVVSSI EQKTEGAEKKQQMAREYREKIETELRDICNDVLSLLEKFLIPNASQAESKVFYLKMKGDYYRYLAEVAA GDDKKGIVDQSQQAYQEAFEISKKEMQPTHPIRLGLALNFSVFYYEILNSPEKACSLAKTAFDEAIAELD TLSEESYKDSTLIMQLLRDNLTLWTSDTQGDEAEAGEGGEN 000000000000000000000000000000000000000000000000000000000000000000001111000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000011111000000000000001111111100000000000000001111111111110000000000 00011111111111111111

>DM\_train1160 EMGTADLGPSSVPTPTNVTIESYNMNPIVYWEYQIMPQVPVFTVEVKNYGVKNSEWIDACINISHHY CNISDHVGDPSNSLWVRVKARVGQKESAYAKSEEFAVCRDGKIGPPKLDIRKEEKQIMIDIFHPSVFVN GDEQEVDYDPETTCYIRVYNVYVRMNGSEIQYKILTQKEDDCDEIQCQLAIPVSSLNSQYCVSAEGVL HVWGVTTEKSKEVCITIFNSSIKGSLWIPVVAALLLFLVLS 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000001110000000000000000000000000000000000111111111111100000 000000000000000000000000000000000000000000000000000000000000000000000001111 11111111111111111111

>DM\_train1161 MLSATQPLSEKLDSTLKHLAIIMDGNGRWAKLKNKARAYGHKKGVKTLKDITIWCANHKLECLTLYAF STENWKRPKSEVDFLMKMLKKYLKDERSTYLDNNIRFRAIGDLEGFSKELRDTILQLENDTRHFKDFTQ VLALNYGSKNELSRAFKSLLESPPSNISLLESLENEISNRLDTRNLPEVDLLLRTGGEMRLSNFLLWQSSY AELFFTPILWPDFTPKDLENIISDFYKRVRKFGELKA 111111111111110000000000000000000000000000000000000000000000000000111111111 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000011111111100000000000000000000000000000000000000000000000000000000 00000000000000000111

>DM\_train1162

TESDMRATLVWSDEFDGPAGSAPDPANWNHETGDHGWGNNELQNYTDSRANSALDGNGNLVIT ARQEADGGYTSARLTTQNKVQPQYGRVEASIQIPRGQGIWPAFWMLGADFPNTPWPDSGEIDIME NIGREPHLVHGSLHGPGYFGGEPLTGSYMHPQGWSFADTFHTFAVDWRPGSITWSVDGVAYQTYT SADTRGNPWVFDQPFFMILNVAVGGDWPGYPDGSTQFPQEMRVDYVRVYELG

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>DM\_train1163 AVKRRPRFPVNSNSNGGNELCPKIRIGQDDLPGFDLISQFQVDKAASRRAIQRVVGSATLQVAYKLG NNVDFRIPTRNLYPSGLPEEYSFLTTFRMTGSTLKKNWNIWQIQDSSGKEQVGIKINGQTQSVVFSYK GLDGSLQTAAFSNLSSLFDSQWHKIMIGVERSSATLFVDCNRIESLPIKPRGPIDIDGFAVLGKLADNP QVSVPFELQWMLIHCDPLRPRRETCHELPARITPSQTTDER 111111111111111111000000111110000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000111111111111

>DM\_train1164 MPDYSYRPTIGRTYVYDNKYYKNLDAVIKNAKRKKHFAEHEIEEATLDPLDNYLVAEDPFLGPGKNQK LTLFKEIRNVKPDTMKLVVGWKGKEFYRETWTRFMEDSFPIVNDQEVMDVFLVVNMRPTRPNRCYKF LAQHALRCDPDYVPHDVIRIVEPSWVGSNNEYRISLAKKGGGCPIMNLHSEYTNSFEQFIDRVIWENF YKPIVYIGTDSAEEEEILLEVSLVFKVKEFAPDAPLFTGPAY 110000000000000000000000000000011111111111111111000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000001111111111111000000000000000000000000000000000000000 00000000000000000000

>DM\_train1165 MADDRGDITPIGDCRVCSFRMSLLLTGRCTPGDACVAVESGRQIDRFFRNNPHLAVQYLADPFWER RAIAVRYSPVEALTPLIRDSDEVVRRAVAYRLPREQLSALMFDEDREVRITVADRLPLEQLEQMAADRD YLVRAYVVQRIPPGRLFRFMRDEDRQVRKLVAKRLPEESLGLMTQDPEPEVRRIVASRLRGDDLLELLH DPDWTVRLAAVEHASLEALRELDEPDPEVRLAIAGRLGIA 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000111

>DM\_train1166 SLRSDLINALYDENQKYDVCGIISAEGKIYPLGSDTKVLSTIFELFSRPIINKIAEKHGYIVEEPKQQNHYP DFTLYKPSEPNKKIAIDIKTTYTNKENEKIKFTLGGYTSFIRNNTKNIVYPFDQYIAHWIIGYVYTRVATRKS SLKTYNINELNEIPKPYKGVKVFLQDKWVIAGDLAGSGNTTNIGSIHAHYKDFVEGKGIFDSEDEFLDY WRNYERTSQLRNDKYNNISEYRNWIYRGRK 000000001111111100000000000000001111111000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000001111111000 000000000000000000000000000000011111000000000000000000000000000000111111111 1111111111111111111

>DM\_train1167 MDLTNGGVSPAATSAPLDWTTFRRVFLIDDAWRPLMEPELANPLTAHLLAEYNRRCQTEEVLPPRED VFSWTRYCTPDEVRVVIIGQDPYHHPGQAHGLAFSVRANVPPPPSLRNVLAAVKNCYPEARMSGHG CLEKWARDGVLLLNTTLTVKRGAAASHSRIGWDRFVGGVIRRLAARRPGLVFMLWGTHAQNAIRPD PRVHCVLKFSHPSPLSKVPFGTCQHFLVANRYLETRSISPIDWSV 111111111111111110000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000

>DM\_train1168 TNVISTLDLNLLTKGGGSWNVDGVNMKKSAVTTFDGKRVVKAVYDKNSGTSANPGVGGFSFSAVPD GLNKNAITFAWEVFYPKGFDFARGGKHGGTFIGHGAASGYQHSKTGASNRIMWQEKGGVIDYIYPPS DLKQKIPGLDPEGHGIGFFQDDFKNALKYDVWNRIEIGTKMNTFKNGIPQLDGESYVIVNGKKEVLKRI NWSRSPDLLISRFDWNTFFGGPLPSPKNQVAYFTNFQMKKYE 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000001

>DM\_train1169 QRSYERDFPHHDRICIVKTHGTRQSQEGDKPEELDFSQVSGGVAPAIQEEIPGVELATRTTLYGTSKMI LEDNKTYETKTLLAEPAFLDMFGVELIAGVRDSALRDNMTCLISESLARKMGGDVLGKRLRPAESKSDR AITIGGVFEDLPHNSSIQADMLLPITWMPAESLNNWIGNDRYIAYVRLRPGVSPESLDEALLEMQKRH QDMEVFRKAGVELHYSLTPFNRLRLEDPTLVNMLRIQQ 111111000000000000000111111111111000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000111111000000000 0000111000000000000

>DM\_train1170 MRSRTANRSGIVIRRRVTPAGDIIVTLLTPQGKLKAIARGGVKGPLSSSLNLFHHVGVQVYQGPHNDL ASVKQAVLEGALPTLAEPERYAFAHLMAEFADALFQEGEFSEQAFDLFAASLRGVAHQPDPEWVALV MSYKLLGLAGVIPQTARCARCGAPDPEHPDPLGGQLLCSKCAALPPYPPAVLDFLRHAVRRTVRASFE QPVPSADRPALWRALEKFVTVQVGGVHSWRQLVPSGVPVLS 000000000000000000000000000000000000000011110000000000000000000000000000000 000000000000000000000000000001000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000001111111

>DM\_train1171 MKIDLNADLGEGCASDAELLTLVSSANIACGFHAGDAQIMQACVREAIKNGVAIGAHPSFPDRENFG RSAMQLPPETVYAQTLYQIGALATIARAQGGVMRHVKPHGMLYNQAAKEAQLADAIARAVYACDP ALILVGLAGSELIRAGKQYGLTTREEVFADRGYQADGSLVPRSQSGALIENEEQALAQTLEMVQHGRV KSITGEWATVAAQTVCLHGDGEHALAFARRLRSAFAEKGIVVAA 000000000000000000000000000000000000000000000000000000000000011111110000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000011111000000000000000000000000000000000000001000

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>DM\_train1172 MARSQLSAAGEQHVIQLNQQGGKNLFCFPPISGFGIYFKDLALQLNHKAAVYGFHFIEEDSRIEQYVS RITEIQPEGPYVLLGYSAGGNLAFEVVQAMEQKGLEVSDFIIVDAYKKDQSITADTENDDSAAYLPEAV RETVMQKKRCYQEYWAQLINEGRIKSNIHFIEAGIQTETSGAMVLQKWQDAAEEGYAEYTGYGAHK DMLEGEFAEKNANIILNILDKINSDQKVLPNKHGSHHHHHH 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000111111100000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 1111111111111111111

>DM\_train1173 GMPTLEMPVAAVLDSTVGSSEALPDFTSDRYKDAYSRINAIVIEGEQEAHDNYIAIGTLLPDHVEELKRL AKMEMRHKKGFTACGKNLGVEADMDFAREFFAPLRDNFQTALGQGKTPTCLLIQALLIEAFAISAYHT YIPVSDPFARKITEGVVKDEYTHLNYGEAWLKANLESCREELLEANRENLPLIRRMLDQVAGDAAVLQ MDKEDLIEDFLIAYQESLTEIGFNTREITRMAAAALVS 111111111111111111110000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000011

>DM\_train1174 SMLPEETILDKLPKDFQERITSSKWKDRVEALEEFWDSVLSQTKKLKSTSQNYSNLLGIYGHIIQKDANI QAVALAAQSVELICDKLKTPGFSKDYVSLVFTPLLDRTKEKKPSVIEAIRKALLTICKYYDPLASSGRNED MLKDILEHMKHKTPQIRMECTQLFNASMKEEKDGYSTLQRYLKDEVVPIVIQIVNDTQPAIRTIGFESF AILIKIFGMNTFVKTLEHLDNLKRKKIEETVKTL 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000001

>DM\_train1175 GMEFNHLTKQLNQLLAQDYVAFSITENPVVQMLSQASFAQIAYVMQQYSIFPKELVGFTELARRKAL GAGWNGVAQELQENIDEEMGSTTGGISHYTLLADGLEEGLGVAVKNTMPSVATSKLLRTVLSLFDRQ VDYVLGATYAIEATSIPELTLIVKLVEWLHEGAIPKDLQYFFSKHLDEWEIEHEAGLRTSVAAYIQPEEFG EFAAGFRAMIDAMQVWWQELAQEAISSEVVLSTAIAQHH 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000011111110000000000000000000000000000000000000 0000000000001111111

>DM\_train1176 ATSMTDIKGFNMISIEQEKELGNKFAVEIEKQQQPVNDPEVQRYVDKVGKRLLSGARAVEFDYVFKVV KDDSVNAFAIPGGRVYVHTGLLKAADNETELAGVLAHEINHAVARHGTRQMTQEYGYSLVLSLVLGD NPNMLAQLAGQLFGKAGMMSYSREYENQADFLGVETMYKAGYNPNGLTSFFQKLNAMDGGTQS NVARFFSTHPLTSERIQRVQAEIAKLPPQRYLTDETEFKKIKGRLK 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000001110000000000000

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>DM\_train1178 FADRMVIKAQSPAGFAEEYIIESIWNNRFPPGTILPAERELSELIGVTRTTLREVLQRLARDGWLTIQHGK PTKVNNFWETSGLNILETLARLDHESVPQLIDNLLSVRTNISTIFIRTAFRQHPDKAQEVLATANEVAD HADAFAELDYNIFRGLAFASGNPIYGLILNGMKGLYTRIGRHYFANPEARSLALGFYHKLSALCSEGAH DQVYETVRRYGHESGEIWHRMQKNLPGDLAIQGR 111111111000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000111111111111

>DM\_train1179 GMTSSFTDYCKFFNRILSEVQETQEQAIIKGAHLVSEAVMNGGRFYVFGSGHSHMIAEEIYNRAGGLA LVTAILPPELMLHERPNKSTYLERIEGLSKSYLKLHQVTNKDVIMIISNSGRNTVPVEMAIESRNIGAKVI AMTSMKHSQKVTSRHKSGKKLYEYADVVLDNGAPVGDAGFQIANSEIYSGATSDSIGCFLAQALIVET LHLLVQQGFEPPVFKSSNVDGADLYNDKIFNEYVKW 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000

>DM\_train1180 GHMHAPLVSKDLDYISTANHDQPPRHLGSRFSAEGEFLPEPGNTVVCHLVEGSQTESAIVSTRQRFLD MPEASQLAFTPVSSLHMTVFQGVIESRRALPYWPQTLPLDTPIDAVTDYYRDRLSTFPTLPAFNMRVT GLRPVGMVMKGATAEDDSIVALWRDTFADFFGYRHPDHDTYEFHITLSYIVSWFEPECLPRWQAML DEELEKLRVAAPVIQMRPPAFCEFKDMNHFKELVVFDKRGS 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000001111

>DM\_train1181 MARYYVLDLSEDFRRELRETLAEMVNPVEVHVFLSKSGCETCEDTLRLMKLFEEESPTRNGGKLLKLNV YYRESDSDKFSEFKVERVPTVAFLGGEVRWTGIPAGEEIRALVEVIMRLSEDESGLEDATKEALKSLKGR VHIETIITPSCPYCPYAVLLAHMFAYEAWKQGNPVILSEAVEAYENPDIADKYGVMSVPSIAINGYLVFV GVPYEEDFLDYVKSAAEGRLTVKGPIRAGEAEEL 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000111111111111

>DM\_train1182 MIRLIFLDIDKTLIPGYEPDPAKPIIEELKDMGFEIIFNSSKTRAEQEYYRKELEVETPFISENGSAIFIPKGYF PFDVKGKEVGNYIVIELGIRVEKIREELKKLENIYGLKYYGNSTKEEIEKFTGMPPELVPLAMEREYSETIFE WSRDGWEEVLVEGGFKVTMGSRFYTVHGNSDKGKAAKILLDFYKRLGQIESYAVGDSYNDFPMFEV VDKVFIVGSLKHKKAQNVSSIIDVLEVIK 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1183 MSADHDHDHDHDHDHKPAPMVEEVSDFEILEMAVRELAIEKGLFSAEDHRVWKDYVHTLGPLPAA RLVAKAWLDPEYKKLCIEDGVEASKAVGVNWVTSPPTQFGTPSDYCNLRVLADSPTLKHVVVCTLCS CYPRPILGQSPEWYRSPNYRRRLVRWPRQVLAEFGLQLPSEVQIRVADSNQKTRYIVMPVRPEGTDG WTEDQLAEIVTRDCLIGVAVPKPGITVNAKRPVLKANRPVHHDH 111111111111111111111110000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000001111

>DM\_train1185 AELLLGVNIDHIATLRNARGTAYPDPVQAAFIAEQAGADGITVHLREDRRHITDRDVRILRQTLDTRM NLEMAVTEEMLAIAVETKPHFCCLVPEKRQEVTTEGGLDVAGQRDKMRDACKRLADAGIQVSLFIDA DEEQIKAAAEVGAPFIEIHTGCYADAKTDAEQAQELARIAKAATFAASLGLKVNAGHGLTYHNVKAIA AIPEMHELNIGHAIIGRAVMTGLKDAVAEMKRLMLEARG 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000001111111000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000

>DM\_train1186 MGSDKIHHHHHHMIVQRRNHRFLEVLSGKERVKIIAEFKKASPSAGDINADASLEDFIRMYDELADAIS ILTEKHYFKGDPAFVRAARNLTCRPILAKDFYIDTVQVKLASSVGADAILIIARILTAEQIKEIYEAAEELGM DSLVEVHSREDLEKVFSVIRPKIIGINTRDLDTFEIKKNVLWELLPLVPDDTVVVAESGIKDPRELKDLRGK VNAVLVGTSIMKAENPRRFLEEMRAWSE 111111000111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000

>DM\_train1187 MGVEKVPKYDIPVKKVEYVFIELDKMKPHEQLVQRELEDFIESVTGSGIFWKPMLLAKIPGTDEYLIVDG HHRWAGLQKLGAKRAPSVILDYFDEGVKVYTWYPAFKGDVNKVIERLKAEGLEVIEDEKAEEKAEKGEI AFALIGEKSFAIPGGLEEQKKVSKVLDEMDQAKEIELVYYGLKEDAKADMEKGEIDYVFIRKAPTKEEVM ELVKRGEVFSPKTTRHVLPFIPDKIDVKLEDLF 111111111100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000

>DM\_train1188 GSYFSKQIIWQEVDRTKQQTSALIHNIFDSHFAAIQIHHDSNSKSEVIRDFYTDRDTDVLNFFFLSIDQS DPSHTPEFRFLTDHKGIIWDDGNAHFYGVNDLILDSLANRVSFSNNWYYINVMTSIGSRHMLVRRVPI LDPSTGEVLGFSFNAVVLDNNFALMEKLKSESNVDNVVLVANSVPLANSLIGDEPYNVADVLQRKSS DKRLDKLLVIETPIVVNAVTTELCLLTVQDNQSVVTL

111111111111110000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000001111111111111000000000000 00000000001111111

>DM\_train1189 MAETEALSKLREDFRMQNKSVFILGASGETGRVLLKEILEQGLFSKVTLIGRRKLTFDEEAYKNVNQEVV DFEKLDDYASAFQGHDVGFCCLGTTRGKAGAEGFVRVDRDYVLKSAELAKAGGCKHFNLLSSKGAD KSSNFLYLQVKGEVEAKVEELKFDRYSVFRPGVLLCDRQESRPGEWLVRKFFGSLPDSWASGHSVPVV TVVRAMLNNVVRPRDKQMELLENKAIHDLGKAHGSLKP 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000111111

>DM\_train1190 AIPKVPPGPNITATYGDKWLDAKSTWYGKPTGAGPKDNGGACGYKDVDKPPFSGMTGCGNTPIFKS GRGCGSCFEIKCTKPEACSGEPVVVHITDDNEEPIAPYHFDLSGHAFGAMAKKGDEQKLRSAGELELQ FRRVKCKYPEGTKVTFHVEKGSNPNYLALLVKYVNGDGDVVAVDIKEKGKDKWIELKESWGAIWRIDT PDKLTGPFTVRYTTEGGTKTEAEDVIPEGWKADTSYESK 000000000000000000000000000011111111110000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000

>DM\_train1191 MKLIFLSGVKRSGKDTTADFIMSNYSAVKYQLAGPIKDALAYAWGVFAANTDYPCLTRKEFEGIDYDR ETNLNLTKLEVITIMEQAFCYLNGKSPIKGVFVFDDEGKESVNFVAFNKITDVINNIEDQWSVRRLMQA LGTDLIVNNFDRMYWVKLFALDYLDKFNSGYDYYIVPDTRQDHEMDAARAMGATVIHVVRPGQKS NDTHITEAGLPIRDGDLVITNDGSLEELFSKIKNTLKVL 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000011111111110000000000000000 0000000000000000

>DM\_train1192 EEACELPECQEDAGNKVCSLQCNNHACGWDGGDCSLNFNDPWKNCTQSLQCWKYFSDGHCDS QCNSAGCLFDGFDCQRAEGQCNPLYDQYCKDHFSDGHCDQGCNSAECEWDGLDCAEHVPERLA AGTLVVVVLMPPEQLRNSSFHFLRELSRVLHTNVVFKRDAHGQQMIFPYYGMDVRGSIVYLEIDNRQ CVQASSQCFQSATDVAAFLGALASLGSLNIPYKIEAVQSETVEPPPPAQ 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000001111111

>DM\_train1193 GAGTQTAQTQALDSDGIPTGGEWITMFDGKTLNGWRGYCRQDVPLGWVVEDGSITYKGSDNKAD TGFGDLIYDKKFKNFVFEIEWKIDKAGNSGIFYTAQEIEGTPIYYSSPEYQLLDNENMPDAWEGCDGNR QAGAVYDMIMPDPQPVKPYGNWNKTRIVVYNQRVIHYMNDVKILEFQFGTPVWRALVDHSKFSKF

STSPEKCPEAYDLMLQCGKQPGYIGMQDHGYGVCFRNIRIKEL 111111111100000000000000000000000000000000000000000000000011111111000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000

>DM\_train1194 EELPAPVKAIEKQGITIIKTFDAPGGMKGYLGKYQDMGVTIYLTPDGKHAISGYMYNEKGENLSNTLIEK EIYAPAGREMWQRMEQSHWLLDGKKDAPVIVYVFADPFCPYCKQFWQQARPWVDSGKVQLRTLL VGVIKPESPATAAAILASKDPAKTWQQYEASGGKLKLNVPANVSTEQMKVLSDNEKLMDDLGANVT PAIYYMSKENTLQQAVGLPDQKTLNIIMGNKLQHHHHHHHH 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000011111111111

>DM\_train1195 MWDTSKDYRLLVAEKSVELFIRTIEGAKFRGQWDKKRSIQLAKEMIPDIQALRYSYIDPEELVDTPQMK DLKEKAKGIIEALGGEDWHHKFLSQASREDREKVEEQVARIKFFLNTILNLDRRLKLGKINDPVIAVDIVV GEVMSVGKHPSADRLLVTNVNIGERAVTVVTNDLTVKEGNRVAVALLPPRNFFGIVSEGMFLGAGEG VLKNVKGEIGGLPKGIPLEALNETRNAVEAFLKG 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000001

>DM\_train1196 MPINRPNLNLNIPPLNIVAAYDGAEIPSTNKHLKNNFNSLHNQMRKMPVSHFKEALDVPDYSGMRQ SGFFAMSQGFQLNNHGYDVFIHARRESPQSQGKFAGDKFHISVLRDMVPQAFQALSGLLFSEDSPV DKWAVTDMEKVVQQARVSLGAQFTLYIKPDQENSQYSASFLHKTRQFIECLESRLSENGVISGQCPES DVHPENWKYLSYRNELRSGRDGGEMQRQALREEPFYRLMTE 111111111111111111111111000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000

>DM\_train1198 MGRAFEYRRAAKEKRWDKMSKVFPKLAKAITLAAKDGGSEPDTNAKLRTAILNAKAQNMPKDNIDA AIKRASSKEGNLSEITYEGKANFGVLIIMECMTDNPTRTIANLKSYFNKTQGASIVPNGSLEFMFNRKSV FECLKNEVENLKLSLEDLEFALIDYGLEELEEVEDKIIIRGDYNSFKLLNEGFESLKLPILKASLQRIATTPIEL NDEQMELTEKLLDRIEDDDDVVALYTNIE 111111111111111111110000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000

>DM\_train1199 MQQASTPTIGMIVPPAAGLVPADGARLYPDLPFIASGLGLGSVTPEGYDAVIESVVDHARRLQKQGA AVVSLMCTSLSFYRGAAFNAALTVAMREATGLPCTTMSTAVLNGLRALGVRRVALATAYIDDVNERL

AAFLAEESLVPTGCRSLGITGVEAMARVDTATLVDLCVRAFEAAPDSDGILLSSGGLLTLDAIPEVERRL GVPVVSSSPAGFWDAVRLAGGGAKARPGYGRLFDES 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000

>DM\_train1200 MSLYDVTEWKHVFKLDPNKDLPDEQLEILCESGTDAVIIGGSDGVTEDNVLRMMSKVRRFLVPCVLEV SAIEAIVPGFDLYFIPSVLNSKNADWIVGMHQKAMKEYGELMSMEEIVAEGYCIANPDCKAAALTEAD ADLNMDDIVAYARVSELLQLPIFYLEYSGVLGDIEAVKKTKAVLETSTLFYGGGIKDAETAKQYAEHAD VIVVGNAVYEDFDRALKTVAAVKGEEGGSHHHHHH 110000000000000000000000000000000000000001111110000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000111111111111

>DM\_train1201 GMKYKAAIFDMDGTILDTSADLTSALNYAFEQTGHRHDFTVEDIKNFFGSGVVVAVTRALAYEAGSSR ESLVAFGTKDEQIPEAVTQTEVNRVLEVFKPYYADHCQIKTGPFPGILDLMKNLRQKGVKLAVVSNKP NEAVQVLVEELFPGSFDFALGEKSGIRRKPAPDMTSECVKVLGVPRDKCVYIGDSEIDIQTARNSEMDE IAVNWGFRSVPFLQKHGATVIVDTAEKLEEAILGE 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000

>DM\_train1202 NDDKLYRADSRPPDEIKQSGGLMPRGQSESFDRGTQMNINLYDHARGTQTGFVRHDDGYVSTSISL RSAHLVGQTILSGHSTYYIYVIATAPNMFNVNDVLGAYSPHPDEQEVSALGGIPYSQIYGWYRVHFGV LDEQLHRNRGYRDRYYSNLDIAPAADGYGLAGFPPEHRAWREEPWIHHAPPGCGNAPRSSMSNTC DEKTQSLGVKFLDEYQSKVKRQIFSGYQSDIDTHNRIKDEL 000000000000000000000000000011111110000000000000100000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000001111111110000000000000000000000000000 000000000011111

>DM\_train1204 MRLVQLSRHSIAFPSPEGALREPNGLLALGGDLSPARLLMAYQRGIFPWFSPGDPILWWSPDPRAVL WPESLHISRSMKRFHKRSPYRVTMNYAFGQVIEGCASDREEGTWITRGVVEAYHRLHELGHAHSIEV WREDELVGGMYGVAQGTLFCGESMFSRMENASKTALLVFCEEFIGHGGKLIDCQVLNDHTASLGAC EIPRRDYLNYLNQMRLGRLPNNFWVPRCLFSPQEGLCGR 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000111000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000001111111

>DM\_train1205 MDIRPRLRIGQINLGGAEDATRELPSIARDLGLDIVLVQEQYSMVGFLAQCGAHPKAGVYIRNRVLPC

AVLHHLSSTHITVVHIGGWDLYMVSAYFQYSDPIDPYLHRLGNILDRLRGARVVICADTNAHSPLWH SLPRHYVGRGQEVADRRAKMEDFIGARRLVVHNADGHLPTFSTANGESYVDVTLSTRGVRVSEWRV TNESSSDHRLIVFGVGGGTTGERDEDEEARSDLRPGEP

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>DM\_train1206 GLPVMNTPGSNQYLTADNFQSPCALPEFDVTPPIDIPGEVKNMMELAEIDTMIPFDLSATKKNTMEM YRVRLSDKPHTDDPILCLSLSPASDPRLSHTMLGEILNYYTHWAGSLKFTFLFCGSMMATGKLLVSYAP PGADPPKKRKEAMLGTHVIWDIGLQSSCTMVVPWISNTTYRQTIDDSFTEGGYISVFYQTRIVVPLSTP REMDILGFVSACNDFSVRLLRDTTHIEQKALAQ 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000111

>DM\_train1207 GVNPRGLGPLQIWQTDFTLEPRMAPRSWLAVTVDTASSAIVVTQHGRVTSVAVQHHWATAIAVLG RPKAIKTDNGSCFTSKSTREWLARWGIAHTTGIPGNSQGQAMVERANRLLKDRIRVLAEGDGFMKRI PTSKQGELLAKAMYALNHKERGENTKTPIQKHWRPTVLTEGPPVKIRIETGEWEKGWNVLVWGRGY AAVKNRDTDKVIWVPSRKVKPDITQKDEVTKKDEASPLFA 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000111110000000000000000000000000000000000000000000000000000000000000011111 1111111111111

>DM\_train1209 MSLATTHLDVCAVVPAAGFGRRMQTECPKQYLSIGNQTILEHSVHALLAHPRVKRVVIAISPGDSRFA QLPLANHPQITVVDGGDERADSVLAGLKAAGDAQWVLVHDAARPCLHQDDLARLLALSETSRTGGI LAAPVRDTMKRAEPGKNAIAHTVDRNGLWHALTPQFFPRELLHDCLTRALNEGATITDEASALEYCG FHPQLVEGRADNIKVTRPEDLALAEFYLTRTIHQENT 111111100000000001111111111000000000000000000000000000000000011100000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000011000000 0000111111111

>DM\_train1210 MKEEAVRVIEEVLKQGRTAMVEYEAKQVLKAYGLPVPEEKLAKTLDEALEYAKEIGYPVVLKLMSPQIL HKSDAKVVMLNIKNEEELKKKWEEIHENAKKYRPDAEILGVLVAPMLKPGREVIIGVTEDPQFGHAIMF GLGGIFVEILKDVTFRLVPITEKDARKMIQEIKAYPILAGARGEEPADIDAIVDMLLKVSKLVDDLKDYIKE MDLNPVFVYNKGEGAVIVDSRIILKPKD 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000001100000000000000000000000000000000000000000000 0000000000001

>DM\_train1211

MASMTGGQQMGRGSEFSDKMSSFLHIGDICSLYAEGSTNGFISTLGLVDDRCVVQPEAGDLNNPPK KFRDCLFKLCPMNRYSAQKQFWKAAKPGANSTTDAVLLNKLHHAADLEKKQNETENRKLLGTVIQY GNVIQLLHLKSNKYLTVNKRLPALLEKNAMRVTLDEAGNEGSWFYIQPFYKLRSIGDSVVIGDKVVLNP VNAGQPLHASSHQLVDNPGCNEVNSVNCNTSWKIVLF

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>DM\_train1212 PEFMVTTEPALADLQEQLYNGNEKSQLAAMSTLSTAGTEGYHLLQEFLKDSATFSPPPAPWIRGQAY RLLFHSPEASVQAFLQQHYPQGVIPLRSDRGVDYQELAKLLVAEKFEAADRLTTQKLCELAGPLAQKR RWLYFTEVEQLPIPDLQTIDQLWLAFSLGRFGYSVQRQLWLGCGQNWDRLWEKIGWRQGKRWPRY PNEFIWDLSAPRGHLPLTNQLRGVQVLNALLNHPAWTA 000000110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000

>DM\_train1213 MKIWSKEEVVNKLHEIKNKGYLSVPTDMFRTDDGVVGQILERQFGVQENNITLGDLGEFELKGMRNR KAKSNLTLFHKKPVAGQTVIQIFNRFGYVKPSSRNPEVMKKKLFTTIKGGRLNNLGLTLNAKHASEINLY YQDEYLSTWDLNLSKIEKLVLVFAETIGRANSPEEQFHFTKAYMLTEINDITSLINDGVLVMDLCIDQDL SKSKGPHDRGPHLRIPISKLDKLYRNIERLL 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000001111100000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000

>DM\_train1214 MVHGKLKEAAEVTGSVSLEALEEVQVGENIEVGVGIDELVNAEAFAYDFTLNYDENAFEYVEAISDDG VFVNAKKIEDGKVRVLVSSLTGEPLPAKEVLAKVVLRAEAKTEGSNLSVTNSSVGDGEGLVHEIAGTEK TVNIIEGTSPEIVVNPVRDFKASEINKKNVTVTWTEPETTEGLEGYILYKDGKKVAEIGKDETSYTFKKLNR HTIYNFKIAAKYSNGEVSSKESLTLRTAR 111111111000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000001

>DM\_train1215 SNAMTNVLYQHGTLGTLMAGLLEGTATINELLEHGNLGIATLTGSDGEVIFLDGKAYHANEHKEFIELK GDEKVPYASITNFKASKTFPLQQLSQDDVFAQIKNEMLSENLFSAVKIYGTFKHMHVRMMPAQQPPY TRLIDSARRQPEEKRQDIRGAIVGFFTPELFHGVGSAGFHIHFADDERAYGGHVLDFEVDDVVVEIQNF ETFQQHFPVNNETFVKAKIDYKDVAEEIREAE 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000

>DM\_train1216 MRLRVDVIPGEHLAYPDVVLVVDVIRATTTAAAFLEAGAEALYWTPSLESALAFKDEDVVLAGETGGL KPPRFDLGNSPREALSAQVAGRVVVMSTTNGTKAAHAAARTAKHVLLASLYNAHAAARLARELATEE VAILCAGKEGRAGLDDLYTAGVLAEYLGFLGEVEPEDGARVALAVKRAYPDPLEALSLSAAALALKQV GLEADVPFCAQVAKSAAVPVLRGRVGEALIFKRA 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 001111000000

>DM\_train1217 MGTKLKKSNNDITIFSENEYNEIVEMLRDYSNGDNLEFEVSFKNINYPNFMRITEHYINITPENKIESNN YLDISLIFPDKNVYRVSLFNQEQIGEFITKFSKASSNDISRYIVSLDPSDDIEIVYKNRGSGKLIGIDNWAITI KSTEEIPLVAGKSKISKPKITGSERIMYRYKTRYSFTINKNSRIDITDVKSSPIIWKLMTVPSNYELELELINKI DINTLESELLNVFMIIQD 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000001000000000000000000000000000000000000000000000000000000000000000000000 000000000000

>DM\_train1218 TYNISVVGLSGTEKEKGQCGIGKSCLCNRFVRPSADEFHLDHTSVLSTSDFGGRVVNNDHFLYWGEV SRSLEDCVECKMHIVEQTEFIDDQTFQPHRSTALQPYIKRAAATKLASAEKLMYFCTDQLGLEQDFEQ KQMPDGKLLVDGFLLGIDVSRGMNRNFDDQLKFVSNLYNQLAKTKKPIVVVLTKCDEGVERYIRDAH TFALSKKNLQVVETSARSNVNVDLAFSTLVQLIDK 000000000000000000000000000000000000000000000000000000000000000000001111111 110000000000000000000000000000000000000000000000000000000000000000000000000 000000111100000000000000000000000000000000000000000000000000000000000000000 000000000000

>DM\_train1219 NNILFGLSHEGSHPQTLHAAQSLELSSFRFTMQSDCNLVLFDSDVRVWASNTAGATGCRAVLQSDG LLVILTAQNTIRWSSGTKGSIGNYVLVLQPDRTVTIYGPGLWDSGTSNKGSVVVANNGNSILYSTQGN DNHPQTLHATQSLQLSPYRLSMETDCNLVLFDRDDRVWSTNTAGKGTGCRAVLQPNGRMDVLTN QNIAVWTSGNSRSAGRYVFVLQPDRNLAIYGGALWTTG 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000111111111111000000001111000000000000000 000000000000000000000000001110000000000000000000000000000000000000000000000 00000000000

>DM\_train1220 MTDGEAVSAAAGPGAEGPPGPVGHWAPGSHILWRYRENGGPHVHIARPVTVVRDDADLLAVWLA PGTECVKPVLADGTPVHLEPLATRYTKPRTVQRDQWFGTGVLKLARPGEAWSVWLFWDPGWRFKN WYVNLERPLTRWEGGVDSEDHFLDISVHPDRTWHWRDEDEFAQALRDGLMDPASAGRVRRAGRS AVAEIRAWGSPFADGWEHWRPDPAWPVPSLPGDWDRTPAHVSS 111111111111111111111100000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1221 EVKKKKNKKKNKKVNGLPPEIAAVPELAKYWAQRYRLFSRFDDGIKLDREGWFSVTPEKIAEHIAGRVS QSFKCDVVVDAFCGVGGNTIQFALTGMRVIAIDIDPVKIALARNNAEVYGIADKIEFICGDFLLLASFLK ADVVFLSPPWGGPDYATAETFDIRTMMSPDGFEIFRLSKKITNNIVYFLPRNADIDQVASLAGPGGQV EIEQNFLNNKLKTITAYFGDLIRRPASET 111111111111111111111110000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000111111

>DM\_train1222 MLTEGISIQSYDGHTFGALVGSPAKAPAPVIVIAQDIFGVNAFMRETVSWLVDQGYAAVCPDLYARQ APGTALDPQDERQREQAYKLWQAFDMEAGVGDLEAAIRYARHQPYSNGKVGLVGYSLGGALAFLV ASKGYVDRAVGYYGVGLEKQLNKVPEVKHPALFHMGGQDHFVPAPSRQLITEGFGANPLLQVHWY EEAGHSFARTGSSGYVASAAALANERTLDFLVPLQSRKP 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000111

>DM\_train1223 GSAPSATPIFAPGENCSPAWGAAPAAYDAADTHLRILGKPVMERWETPYMHALAAAASSKGGRVLE VGFGMAIAASKVQEAPIDEHWIIECNDGVFQRLRDWAPRQTHKVIPLKGLWEDVAPTLPDGHFDGIL YDTYPLSEETWHTHQFNFIKNHAFRLLKPGGVLTYCNLTSWGELMKSKYSDITIMFEETQVPALLEAGF RRENIRTEVMALVPPADCRYYAFPQMITPLVTKG 111111111111111110000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000

>DM\_train1224 GMTTRKPFIICDFDGTITMNDNIINIMKTFAPPEWMALKDGVLSKTLSIKEGVGRMFGLLPSSLKEEITSF VLEDAKIREGFREFVAFINEHEIPFYVISGGMDFFVYPLLEGIVEKDRIYCNHASFDNDYIHIDWPHSCKG TCSNQCGCCKPSVIHELSEPNQYIIMIGDSVTDVEAAKLSDLCFARDYLLNECREQNLNHLPYQDFYEI RKEIENVKEVQEWLQNKNAGESSLK 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00111111111

>DM\_train1225 MSPVLTTPKRHAPPPEQLQNVTDFNYTPSHQKPFLQPQAGTTVTTHQDIKQIVEMTLGSEGVLNQA VKLPRGEDENEWLAVHCVDFYNQINMLYGSITEFCSPQTCPRMIATNEYEYLWAFQKGQPPVSVSAP KYVECLMRWCQDQFDDESLFPSKVTGTFPEGFIQRVIQPILRRLFRVYAHIYCHHFNEILELNLQTVLNT SFRHFCLFAQEFELLRPADFGPLLELVMELRDR 110000011111111111100000000000000001111111111110000000000000001110000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1226 MSEWKARRFWASVGIHKEEGGWAVLLDERPLRTPGKQPLRLPTEALALAIAEEWQAVQEVIDPNAM PLTRSANSAIEKVAPQFDAVAAMLGDYGGTDLLSYRADAPEALVRAQAEGWDPLIDWAATELRAPL RITHGVIPVPQDPVVLLKLRAEVASLDPFGLTALHDLVTLPGSLILGLAVIRGRIDAPTAHALSRIDEEFQ AERWGRDEEAEAQAASRLAAMRDSERFWHLTRG 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000001

>DM\_train1227 MHLYSSDFPLMMDEKELYEKWMRTVEMLKAEGIIRSKEVERAFLKYPRYLSVEDKYKKYAHIDEPLPIPA GQTVSAPHMVAIMLEIANLKPGMNILEVGTGSGWNAALISEIVKTDVYTIERIPELVEFAKRNLERAGV KNVHVILGDGSKGFPPKAPYDVIIVTAGAPKIPEPLIEQLKIGGKLIIPVGSYHLWQELLEVRKTKDGIKIK NHGGVAFVPLIGEYGWKEHHHHHH 111111111111100000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0001111111

>DM\_train1228 GSPEFATMSVSEIFVELQGFLAAEQDIREEIRKVVQSLEQTAREILTLLQGVHQGTGFQDIPKRCLKARE HFSTVKTHLTSLKTKFPAEQYYRFHEHWRFVLQRLVFLAAFVVYLETETLVTREAVTEILGIEPDREKGFH LDVEDYLSGVLILASELSRLSVNSVTAGDYSRPLHISTFINELDSGFRLLNLKNDSLRKRYDGLKYDVKKV EEVVYDLSIRGFNKETAAACGEK 111111100000000000000000000000000000000000000000000011111110000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000001 1111111111

>DM\_train1229 MNRLLNEKVEEFKKGVLKAGWFIEKMFRNSISSLVERNESLAREVIADEEVVDQMEVEIQEKAMEVLGL FSPIGKPLLTVTAGIRVAELIENIADKCHDIAKNVLELMEEPPLKPLEDIPAMANQTSEMLKFALRMFAD VNVEKSFEVCRMDSKVDDLYEKVREELLLYMMESPKYVKRALLLLEIAGNIEIIADYATNIVEVSVYMVQ GEAYKCYHDELLLFKKSGGVLFESSD 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0111111111

>DM\_train1230 MKRYRTLLFDVDDTILDFQAAEALALRLLFEDQNIPLTNDMKAQYKTINQGLWRAFEEGKMTRDEVV NTRFSALLKEYGYEADGALLEQKYRRFLEEGHQLIDGAFDLISNLQQQFDLYIVTNGVSHTQYKRLRDS GLFPFFKDIFVSEDTGFQKPMKEYFNYVFERIPQFSAEHTLIIGDSLTADIKGGQLAGLDTCWMNPDMK PNVPEIIPTYEIRKLEELYHILNIENTVSC 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1231 MGLMKFQLFIQPKLDVLQGNIVEYEILLRDDSAVPRFPLSELEAVLADEELYLAFSEWFSEAFLDVLKKY PNDRFAINIAPQQLFYIETLHWLDKLKSESHRITVEMTEDIFDVPGHKRHLNANDKNAFILNKIKVIHGL GYHIAIDDVSCGLNSLERVMSYLPYIIEIKFSLIHFKNIPLEDLLLFIKAWANFAQKNKLDFVVEGIETKET MTLLESHGVSIFQGYLVNKPFPV 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000

>DM\_train1232 MGSSSSGLVPRGSTSEVIEDEKQFYSKAKTYWKQIPPTVDGMLGGYGHISSIDINSSRKFLQRFLREGP NKTGTSCALDCGAGIGRITKRLLLPLFREVDMVDITEDFLVQAKTYLGEEGKRVRNYFCCGLQDFTPEP DSYDVIWIQWVIGHLTDQHLAEFLRRCKGSLRPNGIIVIKDNMAQEGVILDDVDSSVCRDLDVVRRIIC SAGLSLLAEERQENLPDEIYHVYSFALR 111111111100000000000000000000000000000000000000000000000000000000111100000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000

>DM\_train1233 MVSRLSTGILDFDKLIQGGIPQGFFIALTGEPGTGKTIFSLHFIAKGLRDGDPCIYVTTEESRDSIIRQAKQ FNWDFEEYIEKKLIIIDALMKEKEDQWSLVNLTPEELVNKVIEAKQKLGYGKARLVIDSVSALFLDKPAM ARKISYYLKRVLNKWNFTIYATSQYAITTSQAFGFGVEHVADGIIRFRRMIRNGELHRYILIEKMRQTDH DKHVWEIDIVNGKGIVLKGRLEE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000001111000000000000000000000000000000000000000000000000000000 000000000000000011111111111000000000000000000000000000000000000000000000000 0000000000

>DM\_train1234 GMSETITFPPLMTGEAAGPGQDPFDLACQKAELGVDAGLVVYELGTDVLRAALVLAPEVPLAKAMA MLPVCGVGFQNALGALAPPEVAVHLDWNGALRINGARCGRLRIAASTDDPDTQPDWLVVGLDLPL WPEGDGGETPDETALYAEGCADVAAPRLLESWARHCLHWINRWDEGELETIHGEWRGLAHGMGE ARTEAGRSGTFLGVDEDFGMLLRDETTTHLIPLTTVLVQD 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000001

>DM\_train1235 NAKRDRIFVRVYNVMKRINCFINKNIKKSSTDSNYQLAVFMLMETMFFIRFGKMKYLKENETVGLLTLK NKHIEISPDEIVIKFVGKDKVSHEFVVHKSNRLYKPLLKLTDDSSPEEFLFNKLSERKVYECIKQFGIRIKDL RTYGVNYTFLYNFWTNVKSISPLPSPKKLIALTIKQTAEVVGHTPSISKRAYMATTILEMVKDKNFLDVV SKTTFDEFLSIVVDHVKSSTDG

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>DM\_train1236 SETNTIFKLEGVSVLSPLRKKLDLVFYLSNVDGSPVITLLKGNDRELSIYQLNKNIKMASFLPVPEKPNLIY LFMTYTSCEDNKFSEPVVMTLNKENTLNQFKKLGLLDSNVTDFEKCVEYIRKQAILTGFKISNPFVNSTL VDTDAEKINSFHLQCHRGTKEGTLYFLPDHIIFGFKKPILLLDASDIESITYSSITRLTFNASLVTKDGEKYE FSMIDQTEYAKIDDYVKRK 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000111111111100 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000

>DM\_train1237 LNEEQLSKRLEKVASYITKNERIADIGSDHAYLPCFAVKNQTASFAIAGEVVDGPFQSAQKQVRSSGLT EQIDVRKGNGLAVIEKKDAIDTIVIAGMGGTLIRTILEEGAAKLAGVTKLILQPNIAAWQLREWSEQNN WLITSEAILREDNKVYEIMVLAPSEKPVTWTKQEIFFGPCLLKEQSAIFKSKWRHEANTWQNIIQTISNN QPVSTENQAKIRELEHKIALVEDVLK 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000

>DM\_train1238 DIKVTPGTSELVEQILALLSRYLSSYIHVLNKFISHLRRVATLRFERTTLIKFVKKLRFYNDSVLSYNASEFIN EGKNELDPEADSFDKVILPIASMFVKSVETFDLLNYYLTQSLQKEILSKTLNEDLTLTAESILAIDDTYNHF VKFSQWMIESLRIGSNLLDLEVVQFAIKSADEDGTNIGETDNIFLQEILPVNSEEEFQTLSAAWHSILDG KLSALDEEFDVVATKWHD 111111100000000000000000000000000000000000000000000000000000000000000001111 111111111110000000000000000000000000000000000000000000000000000000000000000 000000000000000000000011111111111111111111111111000000000000000000000000000 000000011

>DM\_train1239 GMSRTLVLFDIDGTLLKVESMNRRVLADALIEVYGTEGSTGSHDFSGKMDGAIIYEVLSNVGLERAEIA DKFDKAKETYIALFRERARREDITLLEGVRELLDALSSRSDVLLGLLTGNFEASGRHKLKLPGIDHYFPFG AFADDALDRNELPHIALERARRMTGANYSPSQIVIIGDTEHDIRCARELDARSIAVATGNFTMEELARH KPGTLFKNFAETDEVLASILTPKHS 110000000000000000000000000000000000000011100000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000001111

>DM\_train1240 MASVTEQFNDIISLYSTKLEHTSLRQDSPEYQGLLLSTIKKLLNLKTAIFDRLALFSTNETIDDVSTASIKFL AVDYYLGLLISRRQSNDSDVAQRQSMKLIYLKKSVESFINFLTLLQDYKLLDPLVGEKLGNFKDRYNPQ LSELYAQPKNNKDLSGAQLKRKEKIELFQRNKEISTKLHCLELELKNNDEDHDHDELLRELYLMRLHHF

SLDTINNIEQNLFECEMLSNFLK 100000000000000000000110000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000011111111111111111 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000

>DM\_train1241 MSGDENPASKPTPVQDVQGDGRWMSLHHRFVADSKDKEPEVVFIGDSAVQLMHQCEIWRELFSPL HALNFGIGGDSTQHVLWRLENGELEHIRPKIVVVWVGTNNHGHTAEQVTGGIKAIVQLVNERQPQA RVVVLGLLPRGQHPNPLREKNRRVNELVRAALAGHPRAHFLDADPGFVHSDGTISHHDMYDYLHLS RLGYTPVCRALHSLLLRLLTQDQGQGGAPLPEPSPP 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000111111111 11111111

>DM\_train1242 ARSEKRVPMTRLRKRVAERLLEAKNSTAMLTTFNEVNMKPIMDLRKQYGEAFEKRHGIRLGFMSFYVK AVVEALKRYPEVNASIDGDDVVYHNYFDVSMAVSTPRGLVTPVLRDVDTLGMADIEKKIKELAVKGR DGKLTVEDLTGGNFTITNGGVFGSLMSTPIINPPQSAILGMHAIKDRPMAVNGQVEILPMMYLALSYD HRLIDGRESVGFLVTIKELLEDPTRLLLDV 111000111111000000000000000000000000000000000000000000000000000000000000000 000000000111100000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000

>DM\_train1243 SVPFEYTPIAQSVLDECEHLDTASLSDALDSLGIDGGLPGIASQVPGTRCVGIAFTVQYQPVDASEGFR GAANYIDQVPSGSVIVSSNSGRHDCTVWGDIMTHFALANGIKGTVIDGVARDIDTVINCNYPLFSRG RFMQSAKNRTQLKAVQVPLVIDGITIQPGDLMVCDGSGCVVVPQQLAAEVVLRARAVEQTERRIIEAI SSGSTLEQARMTYRYDQPWLSEAEHGGTQ 111110000000000000000000000000000000000000000000000000000000001111111111000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000001111111111 11111111

>DM\_train1244 KGFSSEDKGEWKLKLDASGNGQAVIRFLPAKTDDALPFAILVNHGFKKNGKWYIETCSSTHGDYDSCP VCQYISKNDLYNTNKTEYSQLKRKTSYWANILVVKDPQAPDNEGKVFKYRFGKKIWDKINAMIAVDT EMGETPVDVTCPWEGANFVLKVKQVSGFSNYDESKFLNQSAIPNIDDESFQKELFEQMVDLSEMTSK DKFKSFEELNTKFNQVLGTAALGGAAAAAAS 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000011111 11111111

>DM\_train1245 RAQANEDIVVSKTSLWKEMQYNRDITIRFKFASSIVKSGGLGYKWSEISFKPANYQYTYTRDGEEVTAH TTCSVNGMNDFNFNGGSLPTDFVISRYEVIKENSYVYVDYWDDSQAFRNMVYVRSLAANLNSVICT

GGDYSFALPVGQWPVMTGGAVSLHSAGVTLSTQFTDFVSLNSLRFRFRLTVEEPSFSITRTRVSRLYGL PAANPNNGKEYYEVAGRFSLISLVPSNDD 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000111

>DM\_train1246 DNSNGSTIPSSITSGSIFDLEGDNPNPLVDDSTLVFVPLEAQHITPNGNGWRHEYKVKESLRVAMTQT YEVFEATVKVEMSDGGKTIISQHHASDTGTISKVYVSDTDESGFNDSVANNGIFDVYVRLRNTSGNEE KFALGTMTSGETFNLRVVNNYGDVEVTAFGNSFGIPVEDDSQSYFKFGNYLQSQDPYTLDKCGEAG NSNSFKNCFEDLGITESKVTMTNVTYTRETN 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000

>DM\_train1247 TTVYLAGDSTMAKNGGGSGTNGWGEYLASYLSATVVNDAVAGRSARSYTREGRFENIADVVTAGDY VIVEFGHNDGGSLSTDNGRTDCSGTGAEVCYSVYDGVNETILTFPAYLENAAKLFTAKGAKVILSSQTP NNPWETGTFVNSPTRFVEYAELAAEVAGVEYVDHWSYVDSIYETLGNATVNSYFPINHTHTSPAGAE VVAEAFLKAVVCTGTSLKSVLTTTSFEGTCL 000000000000000000000000000000000000000000000000000000000000000000000000000 000110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000

>DM\_train1248 MGSDKIHHHHHHMKIDILDKGFVELVDVMGNDLSAVRAARVSFDMGLKDEERDRHLIEYLMKHGH ETPFEHIVFTFHVKAPIFVARQWFRHRIASYNELSGRYSKLSYEFYIPSPERLEGYKTTIPPERVTEKISEIVD KAYRTYLELIESGVPREVARIVLPLNLYTRFFWTVNARSLMNFLNLRADSHAQWEIQQYALAIARIFKEK CPWTFEAFLKYAYKGDILKEVQV 111111111100000000000000000000000000000000000011110000000000000000000000000 000000000000000000000000011111000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0011111

>DM\_train1249 GSHMSQPRPLLSPPETEEQLLAQAQQLSGYTLGELAALVGLVTPENLKRDKGWIGVLLEIWLGASAGS KPEQDFAALGVELKTIPVDSLGRPLETTFVCVAPLTGNSGVTWETSHVRHKLKRVLWIPVEGERSIPLA QRRVGSPLLWSPNEEEDRQLREDWEELMDMIVLGQVERITARHGEYLQIRPKAANAKALTEAIGARG ERILTLPRGFYLKKNFTSALLARHFLIQ 111110000000000000000000000000000000000000000000000000000000000000011111100 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000011100000000000000000000000000000000 0000000

>DM\_train1250 MSVEGLGKDFCGAIIPDNFFPIEKLRNYTQMGLIRDFAKGSAVIMPGEEITSMIFLVEGKIKLDIIFEDGSE

KLLYYAGGNSLIGKLYPTGNNIYATAMEPTRTCWFSEKSLRTVFRTDEDMIFEIFKNYLTKVAYYARQVA EMNTYNPTIRILRLFYELCSSQGKRVGDTYEITMPLSQKSIGEITGVHHVTVSRVLASLKRENILDKKKNK IIVYNLGELKHLSEQTSYY

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>DM\_train1251 MSLITMKKIGVILSGCGVYDGSEIHEAVLTLLAISRSGAQAVCFAPDKQQVDVINHLTGEAMTETRNVL IEAARITRGEIRPLAQADAAELDALIVPGGFGAAKNLSNFASLGSECTVDRELKALAQAMHQAGKPLG FMCIAPAMLPKIFDFPLRLTIGTDIDTAEVLEEMGAEHVPCPVDDIVVDEDNKIVTTPAYMLAQNIAEA ASGIDKLVSRVLVLAEEGGSHHHHHH 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000001111 1111111

>DM\_train1252 MAAYQVLIVGAGFSGAETAFWLAQKGVRVGLLTQSLDAVMMPFLPPKPPFPPGSLLERAYDPKDERV WAFHARAKYLLEGLRPLHLFQATATGLLLEGNRVVGVRTWEGPPARGEKVVLAVGSFLGARLFLGGV VEEAGRLSEASYPDLLEDLSRLGFRFVEREGEVPETPSTPGYRVRYLAFHPEEWEEKTFRLKRLEGLYAVG LCVREGDYARMSEEGKRLAEHLLHELG 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000111110000000000000000000000000000000000000000000000000000 0000001

>DM\_train1253 GSHMAKTLKDLDGWQVIITDDQGRVIDDNNRRRSRKRGGENVFLKRISDGLSFGKGESVIFNDNVTE TYSVYLIHEIRLNTLNNVVEIWVFSYLRWFELKPKLYYEQFRPDLIKEDHPLEFYKDKFFNEVNKSELYLTA ELSEIWLKDFIAVGQILPESQWNDSSIDKIEDRDFLVRYACEPTAEKFVPIDIFQIIRRVKEMEPKQSDEYL KRVSVPVSGQKTNRQVMHKMG 111111111100000000000000001111111111111000000000000000000000000000000000000 000011111000000000000000000000000000000000000000000000000000000000000000000 000000000001111111000000000000000000000000000000000000000000000000001111111 1111111

>DM\_train1254 MWKTASDKGLGHLLRDVWSLLNEEERELLDKEIQPFPCKKASTVFSEGDIPNNLFYLYEGKIKILREGVY GRFHISRIVKPGQFFGMRPYFAEETCSSTAIAVENSKVLAIPVEAIEALLKGNTSFCRYFLKALAKELGYAE RRTVTLTQKHVRGRLAETLLILKENFGFENDGATLSIYLSREELATLSNMTVSNAIRTLSTFVSERMLALD GKRIKIIDCDRLQKTARSG 111111111000000000000000000000000000000000000000000000000000000000111110000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000

>DM\_train1255

EIAVQNPLVSERLELSVLYKEYAEDDNIYQQKIKDLHKKYSYIRKTRPDGNCFYRAFGFSHLEALLDDSK ELQRFKAVSAKSKEDLVSQGFTEFTIEDFHNTFMDLIEQVEKQTSVADLLASFNDQSTSDYLVVYLRLLT SGYLQRESKFFEHFIEGGRTVKEFCQQEVEPMCKESDHIHIIALAQALSVSIQVEYMDRGEGGTTNPHIF PEGSEPKVYLLYRPGHYDILYK 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000100000000000000000000000000 0000000

>DM\_train1256 MPPKRAALIQNLRDSYTETSSFAVIEEWAAGTLQEIEGIAKAAAEAHGVIRNSTYGRAQAEKSPEQLLG VLQRYQDLCHNVYCQAETIRTVIAIRIPEHKEEDNLGVAVQHAVLKIIDELEIKTLGSGEKSGSGGAPTPI GMYALREYLSARSTVEDKLLGSVDAESGKTKGGSQSPSLLLELRQIDADFMLKVELATTHLSTMVRAVI NAYLLNWKKLIQPRTGTDHMVS 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000111 111111111111111111111111100000000000000000000000000000000000000000000000000 000000

>DM\_train1257 MSLIFLDYDGTLVPIIMNPEESYADAGLLSLISDLKERFDTYIVTGRSPEEISRFLPLDINMICYHGACSKIN GQIVYNNGSDRFLGVFDRIYEDTRSWVSDFPGLRIYRKNLAVLYHLGLMGADMKPKLRSRIEEIARIFG VETYYGKMIIELRVPGVNKGSAIRSVRGERPAIIAGDDATDEAAFEANDDALTIKVGEGETHAKFHVAD YIEMRKILKFIEMLGVQKKQ 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000001

>DM\_train1258 MEGQRWLPLEANPEVTNQFLKQLGLHPNWQFVDVYGMDPELLSMVPRPVCAVLLLFPITEKYEVFR TEEEEKIKSQGQDVTSSVYFMKQTISNACGTIGLIHAIANNKDKMHFESGSTLKKFLEESVSMSPEERAR YLENYDAIRVTHETSAHEGQTEAPSIDEKVDLHFIALVHVDGHLYELDGRKPFPINHGETSDETLLEDAI EVCKKFMERDPDELRFNAIALSAA 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000001111 111111111111111100000000000000000000000000000000000000000000000000000000000 00000

>DM\_train1260 DLGAPQNPNAKAAGSRKIHFNWLPPSGKPMGYRVKYWIQGDSESEAHLLDSKVPSVELTNLYPYCD YEMKVCAYGAQGEGPYSSLVSCRTHQEVPSEPGRLAFNVVSSTVTQLSWAEPAETNGEITAYEVCYG LVNDDNRPIGPMKKVLVDNPKNRMLLIENLRESQPYRYTVKARNGAGWGPEREAIINLATQPKRPMS IPIIPDIPIVDAQSGEDYDSFLMYSDDVLR 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000011111111111 11111

>DM\_train1261 QSCVWYGECGIAYGDKRYNCEYSGPPKPLPKDGYDLVQELCPGFFFGQVSLCCDVRQLQTLKDNLQ LPLQFLSRCPSCFYNLLNLFCELTCSPRQSQFLQVTATEDYVDPVTNQTKTNVKELQYYVGQSFANA MYNACRDVEAPSSNDKALGLLCGKDADACQATNWIEYMFNKDNGQAPFTITPVFSDFPVHGMEP MNNATKGCDESVDEVTAPCSCQDCSIVCGPKPQ 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 11111

>DM\_train1262 GMADAPIDIFQSILSRKSIRAFTDQPVTQETIREILKLAARAPSGTNLQPWQVIVLTGKILQKVGQELSQ LVLSGIKGEREYHYYPRQWREPYLSRRRKVGLDLYKSLGIQKGDQEKMLHQKAKNFLFYGAPVGLLFTI DHDMEMGSWLDLGMFMQTIMLAARGFGLDTCAQAAFADYHKQIRSLLSVPSDRHIICGMALGYRD MNAPENNFETEREPIDNFVHFIKSYP 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000

>DM\_train1263 MSKNIVVAPSILSADFSRLGEEIKAVDEAGADWIHVDVMDGRFVPNITIGPLIVDAIRPLTKKTLDVHL MIVEPEKYVEDFAKAGADIISVHVEHNASPHLHRTLCQIRELGKKAGAVLNPSTPLDFLEYVLPVCDLILI MSVNPGFGGQSFIPEVLPKIRALRQMCDERGLDPWIEVDGGLKPNNTWQVLEAGANAIVAGSAVFN APNYAEAIAGVRNSKRPEPQLATV 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000011000000000000000000000000000000000000000000000111111 000000000000000000000000000000000000000000000000000000000000000000000000001 11111

>DM\_train1264 TKLYYEDQYIKEFKGEIIEVKEIDGKFHVLLDQTAFFPGGGGQMGDLGLIDGIKVLDVYEEEGKVYHVLE KEPKKLKNLQCELDWERRFDGMQQHLGQHLLSGCFYDLFGANTCGFHLGKEISTVDIVGFLDEKTIRE AEKEANRLIFENLEVKSYAPSKKELKKVKTRRALPKTDEEIRIVEIVGLDLNACCGVHPRNTRDLQVIKIRR WEKHKNATRIEYVAGNRAVS 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000110000000000000000000000000000000000000000000000000 00001

>DM\_train1266 LLHKRVVLASASPRRQEILSNAGLRFEVVPSKFKEKLDKASFATPYGYAMETAKQKALEVANRLYQKDL RAPDVVIGADTIVTVGGLILEKPVDKQDAYRMLSRLSGREHSVFTGVAIVHCSSKDHQLDTRVSEFYEE TKVKFSELSEELLWEYVHSGEPMDKAGGYGIQALGGMLVESVHGDFLNVVGFPLNHFCKQLVKLYYP PRPEDLRRSVKHDSIPAADTFEDLS 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000001110000000000000000000000000000000111111111111111111111

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>DM\_train1267 MTTGVRRRMGVEERRQQLIGVALDLFSRRSPDEVSIDEIASAAGISRPLVYHYFPGKLSLYEAALQRAS DDLADRFVEPRQGPLGARLLRVMGRYFDFVDEHGPGFSALMRGGPAVGSTTTNALVDSVRQAAYV QILSHLDVTEPPARLELVVRSWISLAESTALLWLDGRRIPRAELETQLVHDFAALMAVSAAYDEEMGAL VRRVLADEPEDGPFGDLVDRLLALSAR 111111111111100000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000111111000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000100000000000 00011

>DM\_train1268 TVSTINSTDALAMVEHSSELTLSITTPVGTKFVCRTPFIGTHTDKFLLVEMPKISADDLQYFFQEGFWM NIRAISPRGEGALIHFRSQLMHILQEPVPMAFLSIPNTMQVSQLRKEPRFELNLAGKVLFDEHRGDCEL RDLSRSGCRFITPPLGKTYQVGDLVALEIFSDLRGTKTFPPLTGKICNLQRSLHHARYGLEFNEEGRNNA KNLLAQLKFNGTKLTLNAEKKA 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 11111

>DM\_train1269 GHHHHHHHGESLFKGPRDYNPISSTICHLTNESDGHTTSLYGIGFGPFIITNKHLFRRNNGTLLVQSLH GVFKVKNTTTLQQHLIDGRDMIIIRMPKDFPPFPQKLKFREPQREERICLVTTNFQTKSMSSMVSDTSC TFPSSDGIFWKHWIQTKDGQCGSPLVSTRDGFIVGIHSASNFTNTNNYFTSVPKNFMELLTNQEAQQ WVSGWRLNADSVLWGGHKVFMDKP 111111111100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000

>DM\_train1270 KERAERDISMVVSGLTPKEVMIVQKFAEKYRLALTDVITEETTHVIIKTDAEFVCERTLKYFLGIAGGKWIV SYSWVIKSIQERKLLSVHEFEVKGDVVTGSNHQGPRRSRESQEKLFEGLQIYCCEPFTNMPKDELERML QLCGASVVKELPLLTRDTGAHPIVLVQPSAWTEDNDCPDIGQLCKGRLVMWDWVLDSISVYRCRDL DAYLVQNITCGRDGSEPQDSND 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000111111111111111111100000000000000000000000000111111111111 1111

>DM\_train1271 MELLLLSNSTLPGKAWLEHALPLIANQLNGRRSAVFIPFAGVTQTWDEYTDKTAEVLAPLGVNVTGIH RVADPLAAIEKAEIIIVGGGNTFQLLKESRERGLLAPMADRVKRGALYIGWSAGANLACPTIRTTNDMP IVDPNGFDALDLFPLQINPHFTNALPEGHKGETREQRIRELLVVAPELTVIGLPEGNWIQVSNGQAVLG GPNTTWVFKAGEEAVALEAGHRF 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1272 MDKIKQLFANNYSWAQRMKEENSTYFKELADHQTPHYLWIACSDSRVPAEKLTNLEPGELFVHRNV ANQVIHTDFNCLSVVQYAVDVLKIEHIIICGHTNCGGIHAAMADKDLGLINNWLLHIRDIWFKHGHLL GKLSPEKRADMLTKINVAEQVYNLGRTSIVKSAWERGQKLSLHGWVYDVNDGFLVDQGVMATSRET LEISYRNAIARLSILDEENILKKDHLENT 000000000000000000000111111111100000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000001111111111 1111

>DM\_train1273 SVDHGFLVTRHSQTTDDPQCPPGTKILYHGYSLLYVQGNERAHGQDLGTAGSCLRKFSTMPFLFCNI NNVCNFASRNDYSYWLSTPEPMPMSMAPITGENIRPFISRCAVCEAPAMVMAVHSQTIQIPQCPTG WSSLWIGYSFVMHTSAGAEGSGQALASPGSCLEEFRSAPFIECHGRGTCNYYANAYSFWLATIERSE MFKKPTPSTLKAGELRTHVSRCQVCMRRT 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0011

>DM\_train1274 MTTVRIPAGWPATEEEARAVQDELRGRVILDEPGPPPGTGRVTGVDVAYDDERDVVVAAAVVLDAA TLDVVAEATAVGEVSFPYVPGLLAFREIPTVLAALDALPCPPGLIVCDGYGVAHPRRFGLASHLGVLTG LPTIGVAKNPFTFSYEDPGAPRGSAAPLLAGADEVGRALRTQSGVKPVFVSVGHRVDLDHACAHTLA LTPKYRIPETTRRADSLCRRALKEATA 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000

>DM\_train1275 MNGIHDVGGMDGFGKVMYVKEEEDIYFTHDWERLALGLVAGCMAQGLGMKAFDEFRIGIELMRPV DYLTSSYYGHWIATVAYNLVDTGVLDEKELDERTEVFSKKPDTKIPRREDPALVKLVEKALNDGLSPLRE ISASPRFKVGERIKTKNIHPTGHTRFPRYARDKYGVIDEVYGAHVFPDDAAHRKGENPQYLYRVRFEAE ELWGYKQKDSVYIDLWESYMEPVSH 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0011

>DM\_train1276 SHMTPDIILQRTGIDVRAVEQGDDAWHKLRLGVITASEVHNVIAKPRSGKKWPDMKMSYFHTLLAEV CTGVAPEVNAKALAWGKQYENDARTLFEFTSGVNVTESPIIYRDESMRTACSPDGLCSDGNGLELKC PFTSRDFMKFRLGGFEAIKSAYMAQVQYSMWVTRKNAWYFANYDPRMKREGLHYVVIERDEKYMA SFDEIVPEFIEKMDEALAEIGFVFGEQWR 111000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1277 AESLPDLKIEKLDEGVYVHTSFEEVNGWGVVPKHGLVVLVNAEAYLIDTPFTAKDTEKLVTWFVERGYK IKGSISSHFHSDSTGGIEWLNSRSIPTYASELTNELLKKDGKVQATNSFSGVNYWLVKNKIEVFYPGPGH TPDNVVVWLPERKILFGGCFIKPYGLGNLGDANIEAWPKSAKLLKSKYGKAKLVVPSHSEVGDASLLKL TLEQAVKGLNESKKPSKPSN 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000111111 111

>DM\_train1278 GMSEDHPLDRPVWNSLGGPQSELDVASGNLRRLDPAYGPFAAAAPGAEAGLASLLQGDADEIWLV EPEPVAPPPGTRVIRVAPLLQMIADGPVPSFDDPGIVALGETDVPEMTALALATEPGPWASGTWRYG QFYGVRIDGRLAAMAGERMRPAPNLAEVSGVCTWPEYRGRGLAARLIRKVIAGMAARGEVPYLHSY ASNASAIRLYESLGFRARRAMTATLLGKST 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000010000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000

>DM\_train1279 RTEQQAASLEQTAASMEQLTATVKQNAENARQASHLALSASETAQRGGKVVDNVVQTMRDISTSS QKIADIISVIDGIAFQTNILALNAAVEAARAGEQGRGFAVVAGEVRNLAQRSAQAAREIKSLIEDSVGK VDVGSTLVESAGETMAEIVSAVTRVTDIMGEIASASDEQSRGIDQVGLAVAEMDRVTQQNAALVEQ SAAAAAALEEQASRLTEAVAVFRIQQQ 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1280 REFPPPNPDPKFESKAALLAARGPEELLCFTERLEDLVCFWEEAASAGVGPGQYSFSYQLEDEPWKLC RLHQAPTARGAVRFWCSLPTADTSSFVPLELRVTAASGAPRYHRVIHINEVVLLDAPVGLVARLADES GHVVLRWLPPPETPMTSHIRYEVDVSAGQGAGSVQRVEILEGRTECVLSNLRGRTRYTFAVRARMAE PSFGGFWSEWSEPVSLLTPSDLDP 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000001111

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>DM\_train1281 MGSDKIHHHHHHMKNSFFSKFTPKEPKFFPLLKQLSDVLSASSVLLVESMEHDLPTERADYYKQIKDM EREGDRLTHLIFDELSTTFITPFDREDIHDLASCMDDVIDGINSSAKRIVIYNPRPISESGKELSRLIHEEAI NIGKAMDELETFRKNPKPLRDYCTQLHDIENQADDVYELFITKLFEEEKDCIELIKIKEIMHELEKTTDAAE HVGKILKNLIVKYS

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>DM\_train1282 MERPLESYKKEAAHAAIAYVQDGMVVGLGTGSTARYAVLELARRLREGELKGVVGVPTSRATEELAKR EGIPLVDLPPEGVDLAIDGADEIAPGLALIKGMGGALLREKIVERVAKEFIVIADHTKKVPVLGRGPVPVE IVPFGYRATLKAIADLGGEPELRMDGDEFYFTDGGHLIADCRFGPIGDPLGLHRALLEIPGVVETGLFVG MATRALVAGPFGVEELLP 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1283 MSLIEERLKHYLEKQIPARDQYIEQMEREAHEQQVPIMDLLGMESLLHLLKMAAPARILEIGTAIGYSAI RMAQALPEATIVSIERDERRYEEAHKHVKALGLESRIELLFGDALQLGEKLELYPLFDVLFIDAAKGQYRR FFDMYSPMVRPGGLILSDNVLFRGLVAETDIEHKRHKQLATKIDTYNQWLLEHPQYDTRIFPVGDGIAI SIKRETKGDTDDEKAEG 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000011111111111111111111111110000000000000000000000000011111111111

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>DM\_train1284 GEMDERLLQKYRAQVFEWGGCFDKMFEALKSLIYLSEFENSEFDDEERHLLTLCIKHKISDYRTMTSQV LQEQTKQLNNDELVKICSEYVFSLRKDIKAFLQSFEDCVDRLVEKSFFSKFFKLKVKSDISRYKLEFGLCSL EDSKKIHQDAFTLLCEHPDKIEQLPLGFIQNLAYILSEKYGEKKQVFNMLNSLGKILELQIKEQENMDRK AQITVYLQGIKDYIEK 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000111

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>DM\_train1285 SLTGEESDTLRKIVLEECLPNQQQNQNPSPCAEVKPNAGYVVLKDLNGPLQYLLMPTYRINGTESPLL TDPSTPNFFWLAWQARDFMSKKYGQPVPDRAVSLAINSRTGRTQNHFHIHISCIRPDVREQLDNNL ANISSRWLPLPGGLRGHEYLARRVTESELVQRSPFMMLAEEVPEAREHMGSYGLAMVRQSDNSFVLL ATQRNLLTLNRASAEEIQDHQCEILR 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1287 MRDWVIPPISCPENEKGEFPKNLVQIKSNRDKETKVFYSITGQGADKPPVGVFIIERETGWLKVTQPLD REAIAKYILYSHAVSSNGEAVEDPMEIVITVTDQNDNRPEFTQEVFEGSVAEGAVPGTSVMKVSATDA DDDVNTYNAAIAYTIVSQDPELPHKNMFTVNRDTGVISVLTSGLDRESYPTYTLVVQAADLQGEGLST

TAKAVITVKDINDNAPVFNPS 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000001111111111

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>DM\_train1288 HGIRMTRISREMMKELLSVYFIMGSNNTKADPVTVVQKALKGGATLYQFREKGGDALTGEARIKFAEK AQAACREAGVPFIVNDDVELALNLKADGIHIGQEDANAKEVRAAIGDMILGVAAHTMSEVKQAEED GADYVGLGPIYPTETKKDTRAVQGVSLIEAVRRQGISIPIVGIGGITIDNAAPVIQAGADGVSMISAISQ AEDPESAARKFREEIQTYKTGR 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000001111 111000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1289 LTGPLMLDTAPNAFDDQYEGCVNKMEEKAPLLLQEDFNMNAKLKVAWEEAKKRWNNIKPSRSYPK GFNDFHGTALVAYTGSIAVDFNRAVREFKENPGQFHYKAFHYYLTRALQLLSNGDCHSVYRGTKTRF HYTGAGSVRFGQFTSSSLSKKVAQSQEFFSDHGTLFIIKTCLGVYIKEFSFRPDQEEVLIPGYEVYQKVRT QGYNEIFLDSPKRKKSNYNCLYS 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1290 WVPHELTENQKNRRFEVSSSLILRNHNEPFLDRIVTCDEKWILYDNRRRSAQWLDQEEAPKHFPKPIL HPKKVMVTIWWSAAGLIHYSFLNPGETITSEKYAQEIDEMNQKLQRLQLALVNRKGPILLHDNARPH VAQPTLQKLNELGYEVLPHPPYSPDLLPTNYHVFKHLNNFLQGKRFHNQQDAENAFQEFVESQSTD FYATGINQLISRWQKCVDCNGSYFD 111000000000000000000000000000000000000000011111111111111111111111111100000 000000000000001111111000000000000000000001111100000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1291 GMAEDQTVLAIDIGGSHVKIGLSTDGEERKVESGKTMTGPEMVAAVTAMAKDMTYDVIAMGYPGPV VHNKPLREPVNLGEGWVGYDYEGAFGRPVRIVNDALMQAIGSYNGGRMLFLGLGTGLGAAMIVEN VAQPMEIAHLPYRKGKTYEHYVSEAYREKKGNAKWQKRVQDVVERLSAALEPDEVVIGGGNVERLE NLPPKCRRGDNAMAFEGGFRLWKNADLIV 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1292 MGPLPRTVELFYDVLSPYSWLGFEILCRYQNIWNINLQLRPSLITGIMKDSGNKPPGLLPRKGLYMAN DLKLLRHHLQIPIHFPKDFLSVMLEKGSLSAMRFLTAVNLEHPEMLEKASRELWMRVWSRNEDITEPQ

SILAAAEKAGMSAEQAQGLLEKIATPKVKNQLKETTEAACRYGAFGLPITVAHVDGQTHMLFGSDRM ELLAHLLGEKWMGPIPPAVNARL 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000001111

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>DM\_train1293 MLSVAGHRFASLATTPVLRMGLARCFSSVTGPFQCPPLPYVKNALEPHMSAETLTYHHDKHHQTYV DTLNSIAAENSTIASKTLEQIIKTETGKPFNQAAQVYNHTFFFNNLAPNGGGEPTGKIAELITRDFGSFEK FKEDFSAAAVGHFGSGWVWLIADDGKLKIVQGHDAGNPIRESKTPLMNIDVWEHAYYIDYRNARAQ YVKNYWNLVNWDFVNDNVAKAGI 111111111111111111111111111111000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1294 MSSGAGSDATGAGGVHAAGSGDRAVAAAVERAKATAARNIPAFDDLPVPADTANLREGADLNNA LLALLPLVGVWRGEGEGRGPDGDYRFGQQIVVSHDGGDYLNWESRSWRLTATGDYQEPGLREAGF WRFVADPYDPSESQAIELLLAHSAGYVELFYGRPRTQSSWELVTDALARSRSGVLVGGAKRLYGIVEG GDLAYVEERVDADGGLVPHLSARLSRFVG 111111111111111111111111110000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000011111111110000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1295 KSAVTAQSILEKADEIRFPQDSFQVNVAIRTAAPDHAEDLYRYQVLSKGNENSIVMITEPASERGQAIL MKGRDLWVFMPSVSQPIRLSLSQRLTGQVANGDIARANFTGDYHPQLLRNESIDDEDYYVLELTGID RSVTYQKVLLWVNQSNFRPYKAEFYSVSGRLLKTSRYENFDNILGEMRPTRIIMEDALKSGEVSVLDYS DMKLRDLPDKIFTKDYLKRLE 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000111

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>DM\_train1296 MISHSELRKLFYSADAVCFDVDSTVIREEGIDELAKICGVEDAVSEMTRRAMGGAVPFKAALTERLALI QPSREQVQRLIAEQPPHLTPGIRELVSRLQERNVQVFLISGGFRSIVEHVASKLNIPATNVFANRLKFYF NGEYAGFDETQPTAESGGKGKVIKLLKEKFHFKKIIMIGDGATDMEACPPADAFIGFGGNVIRQQVKD NAKWYITDFVELLGELEE 111100000000000000000000000000000000000000001111111111110000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000001111 >DM\_train1298 SKRYFVTGTDTEVGKTVASCALLQAAKAAGYRTAGYKPVASGSEKTPEGLRNSDALALQRNSSLQLD YATVNPYTFAEPTSPHIISAQEGRPIESLVMSAGLRALEQQADWVLVEGAGGWFTPLSDTFTFADWV

TQEQLPVILVVGVKLGCINHAMLTAQVIQHAGLTLAGWVANDVTPPGKRHAEYMTTLTRMIPAPLLG EIPWLAENPENAATGKYINLALL 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000011111000000000000 >DM\_train1299 MADPESPWSQIGRKIKLEGLSDVASISTKLQNTLIQYHSIEEDEWRVAKKAKDVTVWRKPSEEFNGYLY KAQGVMDDVVNNVIDHIRPGPWRLDWDRLMTSLDVLEHFEENCCVMRYTTAGQLLNIISPREFVDF SYTVGYEEGLLSCGVSVEWSETRPEFVRGYNHPCGWFCVPLKDSPSQSLLTGYIQTDLRGMIPQSAVD TAMASTLANFYSDLRKGLRKA 111111111111111111111110000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train1300 GSRTVDLELELQIELLRETKRKYESVLQLGRALTAHLYSLLQTQHALGDAFADLSQKSPELQEEFGYNAE TQKLLCKNGETLLGAVNFFVSSINTLVTKTMEDTLMTVKQYEAARLEYDAYRTDLEELSLGPRDAGTR GRLESAQATFQAHRDKYEKLRGDVAIKLKFLEENKIKVMHKQLLLFHNAVSAYFAGNQKQLEQTLQQ FNIKLRPPGAEKPSWLEEQ 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000111111111111111111 10000000000000000000000000000000000000000000000000001111111111111111111111 >DM\_train1301 GDNDAIYYPVGDVDIERGGPALEVGEEDVLVARSFNEEDYVLDTIAQYPNDPTLGKLTFMIDLKNQQK DQNVADFNGVGKSKLTMSLGYKDGNYPSESQVPIYTSQDVTAKYAVKLRLKGELLVSGDEWMIDYV YAQLASLFQPYPPANFPEVFMCKGGMKLGTFDSFRRTCTFDITYDRSDLSFSQLYFNLFINLAGQKRE NRVRLRIDKESYFELYEQSEEM 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000000111 >DM\_train1303 SNAMSKRVLMVVTNHTTITDDHKTGLWLEEFAVPYLVFQEKGYDVKVASIQGGEVPLDPRSINEKDP SWAEAEAALKHTARLSKDDAHGFDAIFLPGGHGTMFDFPDNETLQYVLQQFAEDGRIIAAVCHGPS GLVNATYKDGTPIVKGKTVTSFTDEEEREVGLDVHMPFLLESTLRLRGANFVRGGKWTDFSVRDGNLI TGQNPQSSRSTAEKVVAALEERE 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train1304 AIAENSSKEDYKIQSFDLETQKLLKTALKDPGSVDLEKVSSVIVDQSLKDQVFSREAGRICYTIVQAEAK QTNGSVFRRNLLNRLQQEFKAREETRKRSTQEWVCLVSFICNIFDYLKVNNMPMVALVHPVYDCLFR LAQSDALKNEEEVDCLVLQLHRIGDQLEKMNVQLMDELFNLLRDGFLLQEDLSSMGRLLLLEILEFRA GGWKLSDTAQKYYYSEVTD 111111111000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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TDGLHNMGGDPITVIDEIRDLLYIGKDRKNPREDYLDVYVFGVGPLVNQVNINALASKKDNEQHVFK VKDMENLEDVFYQMIDESQSLS 111111111111110000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000001111111111111111100 >DM\_train1311 GMDRTLTHQPQEYAVSVSVGEVKLKGNLVIPNGATGIVLFAHGSGSSRYSPRNRYVAEVLQQAGLAT LLIDLLTQEEEEIDLRTRHLRFDIGLLASRLVGATDWLTHNPDTQHLKVGYFGASTGGGAALVAAAERP ETVQAVVSRGGRPDLAPSALPHVKAPTLLIVGGYDLPVIAMNEDALEQLQTSKRLVIIPRASHLFEEPG ALTAVAQLASEWFMHYLR 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train1312 MAASITAITVENLEYPAVVTSPVTGKSYFLGGAGERGLTIEGNFIKFTAIGVYLEDIAVASLAAKWKGKSS EELLETLDFYRDIISGPFEKLIRGSKIRELSGPEFSRKVMENCVAHLKSVGTYGDAEAEAMQKFAEAFKPV NFPPGASVFYRQSPDGILGLSFSPDTSIPEKEAALIENKAVSSAVLETMIGEHAVSPDLKRCLAARLPALL NEGAFKIGN 111000000000000000000000000000000000111111111000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000011111 >DM\_train1313 GELFSNQIIWFVDDTNVYRVTIHKTFEGNLTTKPINGAIFIFNPRTGQLFLKIIHTSVWAGQKRLGQLAK WKTAEEVAALIRSLPVEEQPKQIIVTRKGMLDPLEVHLLDFPNIVIKGSELQLPFQACLKVEKFGDLILKA TEPQMVLFNLYDDWLKTISSYTAFSRLILILRALHVNNDRAKVILKPDKTTITEPHHIWPTLTDEEWIKVE VQLKDLILAD 111110000000000000000111111111111000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000011 >DM\_train1314 GMPIDTPTDASPADGSASDTVFFGIMSGLELGTFVPGQRLVETDLVAHFGVGRNSVREALQRLAAEGI VDLQRHRGAVIRRLSLQETLDVLDVAERMTGLLARAATRGSGNQPQVQALRASVQALVAAEKAQD GETFSNARRHFYRTLLEMGDNRELRRLFPTIHMPIVHAQHRLASLRQMRLDDYRRIATAVLAGEPDAA EAAGAAHVKNVRGAILDRQPA 111111111111111000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000111 >DM\_train1315 MEIPPTHYAASRAASVAENCINYQQGTPHKLFLVQTVQQASKEDIPGRGHKYHLKFSVEEIIQKQVTV NCTAEVLYPQMGQGSAPEVNFTFEGEIGKNPDEEDNTFYQSLMSLKRPLEAQDIPDNFGNVSPQMK PVQHLAWVACGYVMWQNSTEDTWYKMLKIQTVKQVQRNDDFIELDYTILLHDIASQEIIPWQMQV LWHPQYGTKVKHNSRLPKEGQAE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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GVDHVIFKKYTVTFDVKDNAQFGLTNLFNGNKELSDTMLTFLNQNWKQVSEEFGKPVMEAAAKKIFK NIKHFLAKVPIAEIANV 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train1325 GMDETPIFKIKKLTIAENDRSEYIRYAEKNMHDSIPAEEGTLLIGSGHDDAHGEDNYEIEVFRNKGAEDL HIAGSHADDFVETVNKIATKQKVIDLHPEVITTKAQRALNSYADNFVMRLIKVEVKDADAEKFSHAVK KEMTTSMASEPGMEIMMSGTNIDNPNEWYFIEVYANDEAYDIHVKTPHYKEYIEETDGMVKSRDVKT LVRDTLATQGAIVLD 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000011111110000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train1328 MGSSHHHHHHMDRYEIKGVDVASYQGDIDWRELEKQNMKFAFIKATEGSAFVDKYFSKNWTNAN KTSMRVGAYHFFSFDSKGETQAEQFIRNVPKYKQALPPVIDVEFYANKKDNPPKREDVTKELSVMIEM LEKHYGKKVILYATQEAYDLYIKDAYPQCDIWIRSVLTKPSLSDERKWTFWQYTNRGKLSGYNGKEKYI DLNVFYGNEEEFENYGMKD 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000000011 >DM\_train1329 MDREALLQAVKEARELAKPRNFTQSFEFIATLKEIDMRKPENRIKTEVVLPHGRGKEAKIAVIGTGDLAK QAEELGLTVIRKEEIEELGKNKRKLRKIAKAHDFFIAQADLMPLIGRYMGVILGPRGKMPKPVPANANIK PLVERLKKTVVINTRDKPYFQVLVGNEKMTDEQIVDNIEAVLNVVAKKYEKGLYHIKDAYVKLTMGPA VKVKKEKAKKK 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000001111111 >DM\_train1330 MRGSHHHHHHPEYDYIRDGNAIYERSFAIIRAEADLSRFSEEEADLAVRMVHACGSVEATRQFVFSPD FVSSARAALKAGAPILCDAEMVAHGVTRARLPAGNEVICTLRDPRTPALAAEIGNTRSAAALKLWSER LAGSVVAIGNAPTALFFLLEMLRDGAPKPAAILGMPVGFVGAAESKDALAENSYGVPFAIVRGRLGGS AMTAAALNSLARPGL 111111111100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train1331 KGHLTRLGLEFFDQPAVPLARAFLGQVLVRRLPNGTELRGRIVETEAYLGPEDEAAHSRGGRQTPRNR GMFMKPGTLYVYIIYGMYFCMNISSQGDGACVLLRALEPLEGLETMRQLRSTLRKGTASRVLKDRELC SGPSKLCQALAINKSFDQRDLAQDEAVWLERGPLEPSEPAVVAAARVGVGHAGEWARKPLRFYVRG SPWVSVVDRVAEQDTQA 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000111111110000000000000000000000

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PAAAPFNGQELHSCHGTATNDPMGSSTQGIPCNMTGGSSGGPWFLGNGTGGAQNSTNSYGYTFL PNVMFGPYFGSGAQQNYNYASTTN 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000 >DM\_train1340 EKVKKIVLIGASGFVGSALLNEALNRGFEVTAVVRHPEKIKIENEHLKVKKADVSSLDEVCEVCKGADAV ISAFNPGWNNPDIYDETIKVYLTIIDGVKKAGVNRFLMVGGAGSLFIAPGLRLMDSGEVPENILPGVKA LGEFYLNFLMKEKEIDWVFFSPAADMRPGVRTGRYRLGKDDMIVDIVGNSHISVEDYAAAMIDELEHP KHHQERFTIGY 100000000000000000000000000000000000000000000000000000000000000000000000000 011111100000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000 >DM\_train1341 MGSDKIHHHHHHMNIFEAIENRHSVRDFLERKMPERVKDDIENLLVKFITKKLDWKINLSSFPSYIYAK AEKHFDELVEYGFQGEQIVLFLTAQGFGTCWMARSPHPDVPYIIVFGYPRTRNFTRKRRPITSFLENDL EELPPEIVKIVEMTILAPSALNRQPWKIKYTGGELCISSERPVDLGIALSHAYLTAREIFKREPVIQKRGEDT YCLILNP 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000 >DM\_train1342 SLRGGHAGTTYIFSKGGGQITYKWPPNDRPSTRADRLAIGFSTVQKEAVLVRVDSSSGLGDYLELHIH QGKIGVKFNVGTDDIAIEESNAIINDGKYHVVRFTRSGGNATLQVDSWPVIERYPAGNNDNERLAIAR QRIPYRLGRVVDEWLLDKGRQLTIFNSQATIIIGGKEQGQPFQGQLSGLYYNGLKVLNMAAENDANI AIVGNVRLVGEVPSS 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000001111111111111111100000000000 00000000000000000000000000000000000000000000000000000000000000000011 >DM\_train1343 MISLKRVAALLCVAGLGMSAANAQTCLTSSQTGTNNGFYYSFWKDSPGTVNFCLQSGGRYTSNWS GINNWVGGKGWQTGSRRNITYSGSFNSPGNGYLALYGWTTNPLVEYYVVDSWGSWRPPGSDGTFL GTVNSDGGTYDIYRAQRVNAPSIIGNATFYQYWSVRQSKRVGGTITTGNHFDAWASVGLNLGTHNY QIMATEGYQSSGSSDITVSEGG 111111111111111111111100000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000001 >DM\_train1344 STLEIAGLVRKNLVQFGVGEKNGSVRWVMNALGVKDDWLLVPSHAYKFEKDYEMMEFYFNRGGTY YSISAGNVVIQSLDVGAQDVVLMKVPTIPKFRDITQHFIKKGDVPRALNRLATLVTTVNGTPMLISEGP LKMEEKATYVHKKNDGTTVDLTVDQAWRGKGEGLPGMCGGALVSSNQSIQNAILGIHVAGGNSILV AKLVTQEMFQNIDKKIE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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YRYLFACSPLTRLRCQRKQPCKLFTVRKRQEFLDEVNINSLCQCPKGHRCPSHHTQSGVIAGESFLED NIQTYSGYCMAND 111111111000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000001 >DM\_train1353 EVTIEAVPPQVAEDNNVLLLVHNLPLALGAFAWYKGNTTAIDKEIARFVPNSNMNFTGQAYSGREIIY SNGSLLFQMITMKDMGVYTLDMTDENYRRTQATVRFHVHQPVTQPFLQVTNTTVKELDSVTLTCLS NDIGANIQWLFNSQSLQLTERMTLSQNNSILRIDPIKREDAGEYQCEISNPVSVRRSNSIKLDIIFDPSRL VPRGSHHHHHH 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000001111111111111 >DM\_train1354 VVKQDLSDNQYIQKKPNEITSNELLLPLPNDKLLGDPKAPILMIEYASLTCYHCSLFHRNVFPKIKEKYID TGKMLYIFRHFPLDYRGLKAAMLSHCYEKQEDYFNFNKAVFNSIDSWNYYNLSDLTLLQRIAALSNLK QDAFNQCINDKKIMDKIVNDKSLAINKLGITAVPIFFIKLNDDKSYIEHNKVKHGGYKELKYFTNVIDKL YGKAIVK 111111111111111111100000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000 >DM\_train1355 GHMAMEKPVLWYIADPMCSWCWGFAPVIENIRQEYSAFLTVKIMPGGLRPGTNTPLLPEKRAQILHH WHSVHITTGQPFTFENALPEGFIYDTEPACRGVVSVSLIEPEKVFPFFAAIQRAFYVGQEDVAQLAILKK LAVDLGIPESRFTPVFQSDEAKQRTLAGFQRVAQWGISGFPALVVESGTDRYLITTGYRPIEALRQLLDT WLQQHGVGS 111110000000000000000000000000000000000000000011110000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000111 >DM\_train1356 VSVGTHPTFENSPSGTVLTSPPDGSAVDRATDAARRVVDALLRTDRGNANLERVAEELNSIAGHLEE HAPAVAERLIDMWNGEGVTRHDPVTGPENALAPPVVLEGLSDGSVRGTVTLTIPYQGPPGHVHGGV SALLLDHVLGVANAWGGKAGMTAQLSTRYHRPTPLFEPLTLTGKLMSVDGRKITTAGDIRTADGQVC VSVEGLFVDKTVPRPR 111111111111110000000010000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000011111111 >DM\_train1357 MAKRILCFGDSLTWGWVPVEDGAPTERFAPDVRWTGVLAQQLGADFEVIEEGLSARTTNIDDPTDP RLNGASYLPSCLATHLPLDLVIIMLGTNDTKAYFRRTPLDIALGMSVLVTQVLTSAGGVGTTYPAPKVL VVSPPPLAPMPHPWFQLIFEGGEQKTTELARVYSALASFMKVPFFDAGSVISTDGVDGIHFTEANNRD LGVALAEQVRSLL 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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GVHTVDQVLSEVSRVLVPGGRFISMTSAAPHFRTRHYAQAYYGWSLRHATYGSGFHFHLYLMHKGG KLSVAQLALGAQILSP 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000011 >DM\_train1364 MEIKGESMQKSKFRRICVFCGSSQGKKSSYQDAAVDLGNELVSRNIDLVYGGGSIGLMGLVSQAVHD GGRHVIGIIPKTLMPRELTGETVGEVRAVADMHQRKAEMAKHSDAFIALPGGYGTLEELLEVITWAQL GIHDKPVGLLNVDGYYNSLLSFIDKAVEEGFISPTAREIIVSAPTAKELVKKLEEYAPCHERVATKLCWEM ERIGYSSEE 111111111000000000000000000000000000000000000000000000000000000000000000000 000111111110000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000001111111111111111111111111 >DM\_train1365 IQHATASLIQTNTDQELLVVDVTPSFASLWLVPNINDFHQRHPNIRVKILTGDGAVKNIHGESDLHVR CLPLSTHYEYSQLLCEETLLLIGNTNLPKLSDNQAISHYPFIPQTTRPQLWEQFKQENDLECPITYHSVG FEHFYLACEAVRMEKGLALLPDFMAQFSILRGDIQHIGNLKLHSGYGYYVVIPNFRLTSRKVALFHDWL KDKLTHHT 111111111111111000000000000000000000000000000000000000001111100000000000000 000000000000000000000111111100000000000000000000000111110000000000000000000 00000000000000000000000000000000000000000000000000000000000000111 >DM\_train1366 MNKDQSKIPQATAKRLPLYYRFLKNLHASGKQRVSSAELSDAVKVDSATIRRDFSYFGALGKKGYGYN VDYLLSFFRKTLDQDEMTDVILIGVGNLGTAFLHYNFTKNNNTKISMAFDINESKIGTEVGGVPVYNLD DLEQHVKDESVAILTVPAVAAQSITDRLVALGIKGILNFTPARLNVPEHIRIHHIDLAVELQSLVYFLKHY SVLEEIE 111111111100000000000000000000000000000000000000000000000000111110000000000 000000001110000000000000000001111110000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000111111 >DM\_train1367 MAQGLIEVERKFLPGPGTEERLQELGGTLEYRVTFRDTYYDTPELSLMQADHWLRRREDSGWELKCP GAAGVLGPHTEYKELTAEPTIVAQLCKVLRADGLGAGDVAAVLGPLGLQEVASFVTKRSAWKLVLLG ADEEEPQLRVDLDTADFGYAVGEVEALVHEEAEVPTALEKIHRLSSMLGVPAQETAPAKLIVYLQRFRP QDYQRLLEVNSS 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000001111111 >DM\_train1368 MGSDKIHHHHHHMPKVEIAPSEIKIPDNVLKAKLGFGGAEEIPEEFRKTVNRAYEELLDAAKPVVLWR DFEVDGSLSFDDMRLTGELATKHLSGSKIITVFLATLGKKVDEKIEEYFRKGEDLLAFFIDGIASEMVEYAL RKVDAELRMKRSNLEGSFRISPGYGDLPLSLNKKIAEIFKEEVDVNVIEDSYVLVPRKTITAFVGWREKNE KQT 111111111100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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QILENSLLNLENGEDAGVQLSDFSLIIIDECHHTNKEAVYNNIMRHYLMQKLKNNRLKKENKPVIPLPQ ILGLTAS 111111111111111000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000001110000000000000000000000000000111 1111000000000000000111111100000000000000000000000000000000000000 >DM\_train1376 TTSAGESADPVTTTVENYGGETQIQRRQHTDVSFIMDRFVKVTPQNQINILDLMQVPSHTLVGALLR ASTYYFSDLEIAVKHEGDLTWVPNGAPEKALDNTTNPTAYHKAPLTRLALPYTAPHRVLATVYNGECR YSRNAVPNLRGDLQVLAQKVARTLPTSFNYGAIKATRVTELLYRMKRAETYCPRPLLAIHPTEARHKQ KIVAPVKQTL 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000001111111111111111 111111000000000000000000000000000000000000000000000000000000111 >DM\_train1377 MEVEKEFITDEAKELLSKDKLIQQAYNEVKTSICSPIWPATSKTFTINNTEKNCNGVVPIKELCYTLLEDT YNWYREKPLDILKLEKKKGGPIDVYKEFIENSELKRVGMEFETGNISSAHRSMNKLLLGLKHGEIDLAIIL MPIKQLAYYLTDRVTNFEELEPYFELTEGQPFIFIGFNAEAYNSNVPLIPKGSDGMSKRSIKKWKDKVEN

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>DM\_train1378 ADGKSTRYWDCCKPSCGWAKKAPVNQPVFSCNANFQRLTDFDAKSGCEPGGVAYSCADQTPWA VNDDFAFGFAATSIAGSNEAGWCCACYELTFTSGPVAGKKMVVQSTSTGGDLGSNHFDLNIPGGGV GIFDGCTPQFGGLPGQRYGGISSRNECDRFPDALKPGCYWRFDWFKNADNPSFSFRQVQCPAELVA RTGCRRNDDGNFPAVQIP 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000111110000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000111 >DM\_train1379 MFTGIVQGTAKLVSIDEKPNFRTHVVELPDHMLDGLETGASVAHNGCCLTVTEINGNHVSFDLMKET LRITNLGDLKVGDWVNVERAAKFSDEIGGHLMSGHIMTTAEVAKILTSENNRQIWFKVQDSQLMKYI LYKGFIGIDGISLTVGEVTPTRFCVHLIPETLERTTLGKKKLGARVNIEIDPQTQAVVDTVERVLAARENA MNQPGTEA 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000111111000000000000001111111111000000000000000000000000000000 000000000000000000000000000000000000000000000000000111111111111 >DM\_train1380 MERKISRIHLVSEPSITHFLQVSWEKTLESGFVITLTDGHSAWTGTVSESEISQEADDMAMEKGKYVGE LRKALLSGAGPADVYTFNFSKESAYFFFEKNLKDVSFRLGSFNLEKVENPAEVIRELIAYALDTIAENQAK NEHLQKENERLLRDWNDVQGRFEKAVSAKEALETDLYKRFILVLNEKKTKIRSLHNKLLNAAQEREKDI KQEG 000000000000000000000000000000000000000000000000000000000000000000000000000 011111100000000000000000000000000000000000000000000000000000000000000000000

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NEAPWNTFPYEQKTVYEYVFPRIPGRYIVHDPYTLNCIVKAYPEHVKDALFVHMCGTSRAERDEHME MVAT 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000011 >DM\_train1388 GMSSDVQKGDNLETPGARDLLLQTASNIMREGDVVDISLSELSLRSGLNSALVKYYFGNKAGLLKALL DRDMENIVKSVDALLAKDDMSPEAKLRRHISKCIDTYYDYPYLNRLLMRLVRDSDEAEAKRIADQYLL PLHRAYNRFIGEGVKAGVFRPINPQLFYFTVTGAADRFFSARLVLKHCFDQDTLTEQLRDSYREHTVDF IMAGILAH 111111111111111000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000001 >DM\_train1390 KGSVYTAQSDVQVPENESIKLTCTYSGFSSPRVEWKFVQGSTTALVCYNSQITAPYADRVTFSSSGITF SSVTRKDNGEYTCMVSEEGGQNYGEVSIHLTVLVPPSKPTISVPSSVTIGNRAVLTCSEHDGSPPSEYS WFKDGISMLTADAKKTRAFMNSSFTIDPKSGDLIFDPVTAFDSGEYYCQAQNGYGTAMRSEAAHMD AVELNVGG 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000011 11100000000000000000000000000000000000000000000000000000000000

>DM\_train1391 MKPPSSIQTSEFDSSDEEPIEDEQTPIHISWLSLSRVNCSQFLGLCALPGCKFKDVRRNVQKDTEELKSC GIQDIFVFCTRGELSKYRVPNLLDLYQQCGIITHHHPIADGGTPDIASCCEIMEELTTCLKNYRKTLIHSY GGLGRSCLVAACLLLYLSDTISPEQAIDSLRDLRGSGAIQTIKQYNYLHEFRDKLAAHLSSRDSQSRSVS

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>DM\_train1392 MSGTEEAILGGRDSHPAAGGGSVLCFGQCQYTAEEYQAIQKALRQRLGPEYISSRMAGGGQKVCYIE GHRVINLANEMFGYNGWAHSITQQNVDFVDLNNGKFYVGVCAFVRVQLKDGSYHEDVGYGVSEG LKSKALSLEKARKEAVTDGLKRALRSFGNALGNCILDKDYLRSLNKLPRQLPLEVDLTKAKRQDLEPSVE EARYNSCRPNM 111111111111111111111111000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000001111

>DM\_train1393 MVGGGGVKFIEMDIRDKEAYELAKEWFDEVVVSIKFNEEVDKEKLREARKEYGKVAILLSNPKPSLVRD TVQKFKSYLIYVESNDLRVIRYSIEKGVDAIISPWVNRKDPGIDHVLAKLMVKKNVALGFSLRPLLYSNP YERANLLRFMMKAWKLVEKYKVRRFLTSSAQEKWDVRYPRDLISLGVVIGMEIPQAKASISMYPEIILKR LKY 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1394 SMQELQGLDYCKPTRLDLLLDMPPVSYDVQLLHSWNNNDRSLNVFVKEDDKLIFHRHPVAQSTDAI RGKVGYTRGLHVWQITWAMRQRGTHAVVGVATADAPLHSVGYTTLVGNNHESWGWDLGRNRLY HDGKNQPSKTYPAFLEPDETFIVPDSFLVALDMDDGTLSFIVDGQYMGVAFRGLKGKKLYPVVSAVW GHCEIRMRYLNGLDPE 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000011

>DM\_train1395 GMASSGTEHDAMRARLVDVAQAIVEERGGAGLTLSELAARAGISQANLSRYFETREDLMEAIADYWF HPMVEIMEDVLASDLPPRRKMYEFFARRFVVMRRKWEADPVKLQTYIEVGNDYFEQVRSYIDLADHY LGEIIGEAMSDGAFSGLEVDETISLVNQMCAPYCALNTMTTFMERLSEDKLARIVDAVFDGLSAQDRG ARSLTGLRAA 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000001111111

>DM\_train1396 ESNQQIADFDKEKATLDEADIDERMKLAQAFNDSLNNVVSGDPWSEEMKKKGRAEYARMLEIHERM GHVEIPVIDVDLPVYAGTAEEVLQQGAGHLEGTSLPIGGNSTHAVITAHTGLPTAKMFTDLTKLKVGD KFYVHNIKEVMAYQVDQVKVIEPTNFDDLLIVPGHDYVTLLTCTPYMINTHRLLVRGHRIPYVAEVEEE FIAANKLSH 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000011111111111111

>DM\_train1397 MMTTLTRQDLNFGQVVADVLCEFLEVAVHLILYVREVYPVGIFQKRKKYNVPVQMSCHPELNQYIQD TLHCVKPLLEKNDVEKVVVVILDKEHRPVEKFVFEITQPPLLSISSDSLLSHVEQLLAAFILKISVCDAVLD HNPPGCTFTVLVHTREAATRNMEKIQVIKDFPWILADEQDVHMHDPRLIPLKTMTSDILKMQLYVEER AHKGS 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000001111110000000000000000000000000000000000000 00001111111111111100000000000000000000000000000000000000000000

>DM\_train1398 MKGILGTKIGMTQIWKNDRAIPVTVVLAGPCPIVQRKTAQTDGYEAVQIGYAPKAERKVNKPMQGH FAKAGVAPTRILREFRGFAPDGDSVNVDIFAEGEKIDATGTSKGKGTQGVMKRWNFAGGPASHGSKK WHRRPGSIGQRKTPGRVYKGKRMAGHMGMERVTVQNLEVVEIRAGENLILVKGAIPGANGGLVVLR SAAKASAAKGGK 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000111111

>DM\_train1399 NPSPHQVYNVTWTITNLVTGTKANATSMLGTLTDAFPTMYFDLCDIIGNTWNPSDQEPFPGYGCDQ PMRRWQQRNTPFYVCPGHANRKQCGGPQDGFCAVWGCETTGETYWRPTSSWDYITVKKGVTQGI

YQCSGGGWCGPCYDKAVHSSTTGASEGGRCNPLILQFTQKGRQTSWDGPKSWGLRLYRSGYDPIAL FSVSRQVMTITPPQA 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000111

>DM\_train1400 MGACGSKGSTSDKGLASDKDGKKAKDRKEAWERIRQAIPREKTAEAKQRRIELFKKFDKNETGKLCYD EVYSGCLEVLKLDEFTSRVRDITKRAFDKSRTLGSKLENKGSEDFVEFLEFRLMLCYIYDFFELTVMFDEID ASGNMLVDEEEFKRAVPKLEAWGAKVEDPAALFKELDKNGTGSVTFDEFAAWASAVKLDADGDPD NVPESA 111111111111111100000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000111

>DM\_train1401 PEDPSDLLQHVKFQSSNFENILTWDSGPEGTPDTVYSIEYKTYGERDWVAKKGCQRITRKSCNLTVET GNLTELYYARVTAVSAGGRSATKMTDRFSSLQHTTLKPPDVTCISKVRSIQMIVHPTPTPIRAGDGHRL TLEDIFHDLFYHLELQVNRTYQMHLGGKQREYEFFGLTPDTEFLGTIMILVPTWAKESAPYMCRVKTLP DRTWT 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000001111000000000000000 0000111100000000000000000000000000000000000000000000000000000

>DM\_train1402 ALADGKILHNQNVNSWGPITVTPTTDGGETRFDGQIIVQMENDPVVAKAAANLAGKHAESSVVVQL DSDGNYRVVYGDPSKLDGKLRWQLVGHGRDHSETNNTRLSGYSADELAVKLAKFQQSFNQAENIN NKPDHISIVGSSLVSDDKQKGFGHQFINAMDANGLRVDVSVRSSELAVDEAGRKHTKDANGDWVQ KAENNKVSLSWDAQG 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000111

>DM\_train1403 GAMQGEVSKAASADSTTEGTPADGFTVLSTKSLFLGQKLQVVQADIASIDSDAVVHPTNTDFYIGGE VGNTLEKKGGKEFVEAVLELRKKNGPLEVAGAAVSAGHGLPAKFVIHCNSPVWGADKCEELLEKTVK NCLALADDKKLKSIAFPSIGSGRNGFPKQTAAQLILKAISSYFVSTMSSSIKTVYFVLFDSESIGIYVQEMA KLDAN 111111111111111111111111000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000111

>DM\_train1404 APISFSHAKNEAVKIYRDHPVSFYCGCEIRWQGKKGIPDLESCGYQVRKNENRASRIEWEHVVPAWQ FGHQLQCWQQGGRKNCTRTSPEFNQMEADLHNLTPAIGEVNGNRSNFSFSQWNGIDGVTYGQCE MQVNFKERTAMPPERARGAIARTYLYMSEQYGLRLSKAQNQLMQAWNNQYPVSEWECVRDQKIE KVQGNSNRFVREQCPN 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1405 MFKKLLHSLVAGLTFVAAVAAVPAHAQEADAQATVKTAVDDVLATIKGDPDLRGGNLQKVFQLVD QKIVPRADFKRTTQIAMGRFWSQATPEQQQQIQDGFKSLLIRTYAGALANVRNQTVAYKPFRAAAD DTDVVVRSTVNNNGEPVALDYRVEKSPNGWKVYDINISGLWLSETYKNQFADVISKRGGVGGLVQF LDERNAQLAKGPAK 111111111111111111111111111100000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000001111

>DM\_train1406 MIMSEMITRQQVTSGETIHVRTDPTACIGSHPNCRMFIDSLTIAGEKLDKNIVAIDGGEDVTKADSATA AASVIRMSITPGSINPTISITLGVLIKSNVRTKIEEKVSSILQASATDMKIKLGNSNKKQEYKTDEAWGIMI DLSNLELYPISAKAFSISIEPTELMGVSKDGMRYHIISIDGLTTSQGSLPVCCAASTDKGVAKIGYIAAA 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000011

>DM\_train1408 QSLQVKPLQVEPPEPVVAVALGASRQLTCRLACADRGASVQWRGLDTSLGAVQSDTGRSVLTVRN ASLSAAGTRVCVGSCGGRTFQHTVQLLVYAFPNQLTVSPAALVPGDPEVACTAHKVTPVDPNALSFS LLVGGQELEGAQALGPEVQEEEEEPQGDEDVLFRVTERWRLPPLGTPVPPALYCQATMRLPGLELSH RQAIPVLIEGR 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000

>DM\_train1409 MVDFKMTKEGLVLLIKDYQNLEEVLNAISARITQMGGFFAKGDRISLMIENHNKHSQDIPRIVSHLRNL GLEVSQILVGSTVEGKENDLKVQSRTTVESTGKVIKRNIRSGQTVVHSGDVIVFGNVNKGAEILAGGSV VVFGKAQGNIRAGLNEGGQAVVAALDLQTSLIQIAGFITHSKGEENVPSIAHVKGNRIVIEPFDKVSFE RSE 000000000000000000000000000000000000000000000000000000000000000000000000000 000111111111111110000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000001111

>DM\_train1410 IGATEQSYVASAVTPLRLNSSTKVLDMLIDSSTLEINSSGQLTVRSTSPNLRYPIADVSGGIGMSPNYRF RQSMWIGIVSYSGSGLNWRVQVNSDIFIVDDYIHICLPAFDGFSIADGGDLSLNFVTGLLPPLLTGDTE PAFHNDVVTYGAQTVAIGLSSGGAPQYMSKNLWVEQWQDGVLRLRVEGGGSITHSNSKWPAMTV SYPRSFT 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000

>DM\_train1411 MTNLNYQQTHFVMSAPDIRHLPSDTGIEVAFAGRSNAGKSSALNTLTNQKSLARTSKTPGRTQLINLF EVADGKRLVDLPGYGYAEVPEEMKRKWQRALGEYLEKRQSLQGLVVLMDIRHPLKDLDQQMIEWA VDSNIAVLVLLTKADKLASGARKAQLNMVREAVLAFNGDVQVETFSSLKKQGVDKLRQKLDTWFSE

MQPVEETQDGE 111111111110000000000000000000000000000000000000111111111111110000000000000 000000011111111110000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000011111111111

>DM\_train1412 TVPITSAKAAELPPGNYRLVVFELENFQGRRAEFSGECSNLADRGFDRVRSIIVSAGPWVAFEQSNFRG EMFILEKGEYPRWNTWSSSYRSDRLMSFRPIKMDAQEHKISLFEGANFKGNTIEIQGDDAPSLWVYGF SDRVGSVKVSSGTWVGYQYPGYRGYQYLLEPGDFRHWNEWGAFQPQMQSLRRLRDKQWHLEGS FPVLATEPPK 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000111111111111111

>DM\_train1414 GMEGSLSRGVEIMKLRELVARSRSIRRFDEHVAVNDATLRDLVELVCYTPSAANRQLLRFLPVTGADM SDKVFPCLKWAGYLEDWPGPEPGERPAAALVMLCRNEDLPGAACDSGIAAQTIMLGAAEKELGGCI VAAIDRERLMASLGIPDAWTVLLVIALGKPAETVVIDQIKPGDDIRYWRDKHGIHHVPKRQVDELLVT AEQLRERG 111111111111100000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000011

>DM\_train1415 SISPAQIAEALQGRGWDAEIVTDASMAGQLVDVRPEGILKCVDGRGSDNTRMGGPKMPGGIYAIAH NRGVTSIEGLKQITKEVASKGHLPSVHGDHSSDMLGCGFFKLWVTGRFDDMGYPRPQFDADQGAN AVKDAGGIIEMHHGSHTEKVVYINLLANKTLEPNENDQRFIVDGWAADKFGLDVPKFLIAAAATVEM LGGPKNAKIVVP 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000

>DM\_train1416 MENGKRDRQDMEVNTTPRKPRVLLAASGSVAAIKFGNLCHCFTEWAEVRAVVTKSSLHFLDKLSLPQ EVTLYTDEDEWSSWNKIGDPVLHIELRRWADVLVIAPLSANTLGKIAGGLCDNLLTCIIRAWDYTKPLF VAPAMNTLMWNNPFTERHLLSLDELGITLIPPIKKRLASGDYGNGAMAEPSLIYSTVRLFWESQAHQ QTGGTS 111111111111111111000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000111111111000000000000000000000111111111

>DM\_train1418 MHTDGDKAFVDFLSDEIKEERKIQKHKTLPKMSGGWELELNGTEAKLVRKVAGEKITVTFNINNSIPPT FDGEEEPSQGQKVEEQEPELTSTPNFVVEVIKNDDGKKALVLDCHYPEDEVGQEDEAESDIFSIREVSF QSTGESEWKDTNYTLNTDSLDWALYDHLMDFLADRGVDNTFADELVELSTALEHQEYITFLEDLKSFV KSQ 000000000000000000000000000000000000000000000000000000000000000001111111111 111111111111111000000000000000000000000011111111111110000000000000000000000 00000000000000000000000000000000000000000000000000000000000

>DM\_train1419 GSGAPPTDLQKMVMGNTKPVELNLDGKTVAICCATGVFGTAYLVPRHLFAEKYDKIMLDGRAMTDS DYRVFEFEIKVKGQDMLSDAALMVLHRGNKVRDITKHFRDTARMKKGTPVVGVVNNADVGRLIFSG EALTYKDIVVSMDGDTMPGLFAYKAATRAGYAGGAVLAKDGADTFIVGTHSAGGNGVGYCSCVSRS MLQKMKAHVEH 111111100000000000000000000000000000000000000000000000000000000000000000001 111111100000000000000000000000000000000000000000000000000000000000111111100 00000000000000000000000000000000000000000000000000000000111

>DM\_train1420 GMAVECIKDKVTRYPERASYSDEDLVAMLDRNFTCTVSFIDGGIPYAIPMMLASEGKTIYLHGSMKSRI YGILKTGQLIAISLLEINGIVLAKEIKNNSINYVSALIFGRPYEIDDTEKKIEVFRLLTEKLVKGRWDNSIKPS YEDLNGVFVFAVKPETFSMKARTGPPHDTSTDDIWSGVLPIQHTISEAGENAPEYVKSLYGKRIFI 111111111111111111100000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000

>DM\_train1422 DISEPPLHDFYCSRLLDLVFLLDGSSRLSEAEFEVLKAFVVDMMEQLRISQKWVRVAVVEYHDGSHAYI GLKDRKRPSELRRIASQVKYAGSQVASTSEVLKYTLFQIFSKIDRPEASRIALLLMASQEPQRMSRNFVR YVQGLKKKKVIVIPVGIGPHANLKQIRLIEKQAPENKAFVLSSVDELEQQRDEIVSYLCDLAPEAPPPT 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000

>DM\_train1423 MTKPYVRLDKNDAAVLLVDHQAGLLSLVRDIEPDKFKNNVLALGDLAKYFNLPTILTTSAETGPNGPL VPELKAQFPDAPYIARPGNINAWDNEDFVKAVKATGKKQLIIAGVVTEVCVAFPALSAIEEGFDVFVVT DASGTFNEITRHSAWDRMSQAGAQLMTWFGVACELHRDWRNDIAGLATLFSNHIPDYRNLMTSYD TLTKQK 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000111

>DM\_train1424 VIHVTKEVKEVATLSCGHNVSVEELAQTRIYWQKEKKMVLTMMSGDMNIWPEYKNRTIFDITNNLSIV ILALRPSDEGTYECVVLKYEKDAFKREHLAEVTLSVKADFPTPSISDFEIPTSNIRRIICSTSGGFPEPHLSW LENGEELNAINTTVSQDPETELYAVSSKLDFNMTTNHSFMCLIKYGHLRVNQTFNWNTTKQEHFPDN 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000111111111

>DM\_train1426 GMVEQRNRGRPAVPDAVVRESIVGAAQRLLSSGGAAAMTMEGVASEAGIAKKTLYRFASGRADLIG LLVESWIAPIFPGFEADPQDAAAALERIVYDIAQAVLSREAVSLFRMLASDADLRNRFLPAYNANGIER SRRELARWLDQQASAGRLPLPIPAERVADLLLSAVIAEPLRQITLGLREPLPAWDIAPRVADAVRLIAPG RER 111111111111000000000000000000000000000000000000000000000000000000000000000 000110000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1427 LKNEETEKKLNLNQQRLGTVVAVLKSVNAKKVIDLGCGEGNLLSLLLKDKSFEQITGVDVSYSVLERAK DRLKIDRLPEMQRKRISLFQSSLVYRDKRFSGYDAATVIEVIEHLDENRLQAFEKVLFEFTRPQTVIVSTP NKEYNFHYGNLFEGNLRHRDHRFEWTRKEFQTWAVKVAEKYGYSVRFLQIGEIDDEFGSPTQMGVFT

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>DM\_train1428 MSLEKEYEYLVPPDDYLAAGVHIGTQIKTGDMKKFIFKVRQDGLYVLDIRKLDERIRVAAKFLSRYEPSKI LLVAARQYAHKPVQMFSKVVGSDYIVGRFIPGTLTNPMLSEYREPEVVFVNDPAIDKQAVSEATAVGI PVVALCDSNNSSADVDLVIPTNNKGRRALAIVYWLLAREIAKIRGQDFTYSIEDFEAELEGGSHHHHH

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>DM\_train1429 MGSDKIHHHHHHMKKLTVYLATTNPHKVEEIKMIAPEWMEILPSPEKIEVVEDGETFLENSVKKAVVY GKKLKHPVMADDSGLVIYSLGGFPGVMSARFMEEHSYKEKMRTILKMLEGKDRRAAFVCSATFFDPV ENTLISVEDRVEGRIANEIRGTGGFGYDPFFIPDGYDKTFGEIPHLKEKISHRSKAFRKLFSVLEKILESENR 111111111111110000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000011111

>DM\_train1430 MGSDKIHHHHHHMNVINETANVLKLETGSVTSAKGFSAVGIHTGVKRKRKDLGAIVCEVPASSAAVY TLNKVQAAPLKVTQESIAVEGKLQAMIVNSGIANACTGKRGLDDAYTMRAVGAETFHIPEHYVAVTS TGVIGEFLPMDVITNGIRQLKPEATIEGAHAFNEAILTTDTVEKHTCYQTIVNGKTVTVGGVAKGSGMI HPNMA 111111111111111110000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000

>DM\_train1431 KSVLEDNLPFLEFPGSIVYSYEASDCSFLSEDISMRLSDGDVVGFDMEWPPIYKPGKRSRVAVIQLCVSE SKCYLFHISSMSVFPQGLKMLLENKSIKKAGVGIEGDQWKLLRDFDVKLESFVELTDVANEKLKCAETW SLNGLVKHVLGKQLLKDKSIRCSNWSNFPLTEDQKLYAATDAYAGLIIYQKLGNLGDTVQVFALNKAE

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>DM\_train1432 GMSESPTAGRASLAPLREFITGLSALLDEQPGEARILREGGALLARLVARDDWLPDAFAQPHPEYYQQ MLLHCDSAERFSIVSFVWGPGQRTPIHDHTVWGLIGMLRGAEYSQPFVLDGSGRPVLHGEPTRLEPG HVEAVSPTVGDIHRVHNAYDDRVSISIHVYGANIGGVRRSVYTEAGERKPFISGYSNPYLPNPWDRSK

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>DM\_train1433 MTERLNEQNNESYRYLRSVGNQWQFNVEDLHPKMLSRLYKRFDTFDLDSDGKMEMDEVLYWPDR MRQLVNATDEQVEKMRDAVRVFFLHKGVEPVNGLLREDWVEANRVFAEAERERERRGEPSLIALLSN SYYDVLDDDGDGTVDVDELKTMMKAFDVPQEAAYTFFEKADTDKSGKLERTELVHLFRKFWMEPYD PQWDGVYAYKY 110000000000000000000000001111111110000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000111111111111111

>DM\_train1434 LERTIEERVNILFDFVKKKKEEGVIDSSDKEIVAEAERLDVKAMGPLVLTEVLFNEKIREQIKKYRRHFLRFC HNNKKAQRYLLHGLECVVAMHQAQLISKIPHILKEMYDADLLEEEVIISWSEKASKKYVSKELAKEIRVK AEPFIKWLKEAEEESSGGEEEDEDENIEVVYSKLESVPKVETVKSDNKDDDIDIDAILEHHHHHH 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000011111111111111111111111111111

>DM\_train1435 MTEKKIDFKKEEKKFYAPKRKPERIFVPEMNFLMVDGKGDPDGEEYQKAVQSLYAIAYTIKMSKMGET RLDGYSDFVVPPLEGFWWSEGKFDLKDRDAWLWTSILRQPDFVTEEVLEWAKEVARKKKPDVDTSR VKLVRFEEGECVQMMHVGPFSEEVHTVAEMHQFMETEGLRNDTGAIRKHHEIYLSDPRKANPEKMK TILRLPVS 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000

>DM\_train1436 MLNKLSLLLKDAGISLTDHQKNQLIAYVNMLHKWNKAYNLTSVRDPNEMLVRHILDSIVVAPYLQGE RFIDVGTGPGLPGIPLSIVRPEAHFTLLDSLGKRVRFLRQVQHELKLENIEPVQSRVEEFPSEPPFDGVISR AFASLNDMVSWCHHLPGEQGRFYALKGQMPEDEIALLPEEYQVESVVKLQVPALDGERHLVVIKAN

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>DM\_train1437 FKVLQEPTCVSDYMSISTCEWKMNGPTNCSTELRLLYQLVFLLSEAHTCIPENNGGAGCVCHLLMDD VVSADNYTLDLWAGQQLLWKGSFKPSEHVKPRAPGNLTVHTNVSDTLLLTWSNPYPPDNYLYNHLT YAVNIWSENDPADFRIYNVTYLEPSLRIAASTLKSGISYRARVRAWAQAYNTTWSEWSPSTKWHNSY REPFEQH 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000001111000000000000000000000000000000000000000 000000000000011111000000000000000000000000000001111111111

>DM\_train1438

MGSDKIHHHHHHKGKIQEADNAAKLSAIKFVLKDPLTGDYLVDEKEIEEIVKKTGIETVVLKEYKEGVVL GPLYEFVTKDGRNAYVLSGYAPGFGGNVTVVACFIKTEDGFMLNSVRVIDYSQETPGLGAKIGEESIQR RFFPVPPEGLKNGLRVDKDAGLPKGSPEELKKQGIVKVSDVMTGATITPRAVVTALNLMYRYLEEVSK

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>DM\_train1439 GDLIVSMRILGKKRTKTWHKGTLIAIQTVGPGKKYKVKFDNKGKSLLSGNHIAYDYHPPADKLYVGSRV VAKYKDGNQVWLYAGIVAETPNVKNKLRFLIFFDDGYASYVTQSELYPICRPLKKTWEDIEDISCRDFIE EYVTAYPNRPMVLLKSGQLIKTEWEGTWWKSRVEEVDGSLVRILFLDDKRCEWIYRGSTRLEPMFSMK 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000011111

>DM\_train1440 GQEHALENYWPVMGVEFSEDMLDFPALFGREAPVTLEIGFGMGASLVAMAKDRPEQDFLGIEVHSP GVGACLASAHEEGLSNLRVMCHDAVEVLHKMIPDNSLRMVQLFFPDPWHKARHNKRRIVQVPFAE LVKSKLQLGGVFHMATDWEPYAEHMLEVMSSIDGYKNLSESNDYVPRPASRPVTKFEQRGHRLGHG VWDLMFERVK 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000

>DM\_train1441 MTKKSTKSEAASKTKKSGVPETGAQGVRAGGADHADAAHLGTVNNALVNHHYLEEKEFQTVAETLQ RNLATTISLYLKFKKYHWDIRGRFFRDLHLAYDEFIAEIFPSIDEQAERLVALGGSPLAAPADLARYSTVQ VPQETVRDARTQVADLVQDLSRVGKGYRDDSQACDEANDPVTADMYNGYAATIDKIRWMLQAIM DDERLD 111111111111111111111111111110000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000

>DM\_train1442 MTDHVREADDANIDDLLGDLGGTARAERAKLVEWLLEQGITPDEIRATNPPLLLATRHLVGDDGTYV SAREISENYGVDLELLQRVQRAVGLARVDDPDAVVHMRADGEAAARAQRFVELGLNPDQVVLVVR VLAEGLSHAAEAMRYTALEAIMRPGATELDIAKGSQALVSQIVPLLGPMIQDMLFMQLRHMMETEA VNAGERAAG 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000011111111111111

>DM\_train1443 MAPAKSPRAWQRMLSGRRLDLLDPSPLDVEIADIAHGLARVARWNGQTRGDHAFTVAQHCLIVETI FCRMCPGATPDEMQMALLHDAPEYVIGDMISPFKSVVGGGYKTVEKRLEAAVHLRFGLPPHASRELK DRIKKADTVAAFFEATELAGFSTAEAQKFFGLPRGITRDMFDIIPLPSTEAQRLFIARFEAIETLRVTRTGG AV 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1444 GYFEGMLIKQTDYFRIYRVINSLLISQNADPASASMYFSTFGAFILQQHYKVKAVPKGGLAAYNLGGTV LLFADHREDGYVTGAGENFHCWVEADGWAIDFMAPAFSEGTDALAVPAKMFQRPLSAMAASINDL GQSGDFFYRSEPEATARRFADWHKQAMIGDMASVAANWFRKSPKQMAASLSVTDRDGKARTVPL TGEMLTGAW 000000000000000000000000000000000000000000000000000000000000000000000000000 001100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000

>DM\_train1445 QTDMSRKAFVFPKESDTSYVSLKAPLTKPLKAFTVCLHFYTELSSTRGYSIFSYATKRQDNEILIFWSKDI GYSFTVGGSEILFEVPEVTVAPVHICTSWESASGIVEFWVDGKPRVRKSLKKGYTVGAEASIILGQEQDS FGGNFEGSQSLVGDIGNVNMWDFVLSPDEINTIYLGGPFSPNVLNWRALKYEVQGEVFTKPQLWP 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000011111111100 00000000000000000000000000000000000000000000000000000000

>DM\_train1446 MQHYLHIRPAPSDNLPLVDLIEHPDPIFDPKEKDLNETLLRSLLGGHYDPGFMATSPPEDRPGGGGGA AGGAEDLAELDQLLRQRPSGAMPSEIKGLEFSEGLAQGKKQRLSKKLRRKLQMWLWSQTFCPVLYA WNDLGSRFWPRYVKVGSCFSKRSCSVPEGMVCKPSKSVHLTVLRWRCQRRGGQRCGWIPIQYPIISE CKCSC 000000000000000000000000000000000000000000000000000000000000001111111000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000

>DM\_train1447 MAKKIFTSALGTAEPYAYIAKPDYGNEERGFGNPRGVYKVDLTIPNKDPRCQRMVDEIVKCHEEAYAA AVEEYEANPPAVARGKKPLKPYEGDMPFFDNGDGTTTFKFKCYASFQDKKTKETKHINLVVVDSKGKK MEDVPIIGGGSKLKVKYSLVPYKWNTAVGASVKLQLESVMLVELATFGGGEDDWADEVEENGYVAS GSAK 000000000000000000000000001110000000000000000000000000000000000000000000000 000111111100000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000111111000000000111111111

>DM\_train1448 HMKISERQKDLLKEIGNIGAGNAATAISYMINKKVEISVPNVEIVPISKVIFIAKDPEEIVVGVKMPVTGDI EGSVLLIMGTTVVKKILEILTGRAPDNLLNLDEFSASALREIGNIMCGTYVSALADFLGFKIDTLPPQLVID MISAIFAEASIEELEDNSEDQIVFVETLLKVEEEEEPLTSYMMMIPKPGYLVKIFERMGIQE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000001

>DM\_train1449 DEIIDETDNLYVSQGPGVDISGDVNLTDFDKIGWPNVEAVQSYQREFNAVSNIFDTIYPIGTIYENAVN PNNPVTYMGFGSWKLFGQGKVLVGWNEDISDPNFALNNNDLDSGGNPSHTAGGTGGSTSVTLEN TNLPATETDEEVLIVDENGSVIVGGCQYDPDESGPIYTKYREAKASTNSTHTPPTSITNIQPYITVYRWIR

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>DM\_train1450 GSPEFSLDVRQEELGAVVDKEMAATSAAIEDAVRRIEDMMNQARHASSGVKLEVNERILNSCTDLMK AIRLLVTTSTSLQKEIVESGRGAATQQEFYAKNSRWTEGLISASKAVGWGATQLVEAADKVVLHTGKY EELIVCSHEIAASTAQLVAASKVKANKHSPHLSRLQECSRTVNERAANVVASTKSGQEQIEDRDTMDF SGL 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000111111111

>DM\_train1451 GSHMQVTPRRNVLQKRPVIVKVLSTTKPFEYETPEMEKKIMFHATVATQTQFFHVKVLNTSLKEKFNG KKIIIISDYLEYDSLLEVNEESTVSEAGPNQTFEVPNKIINRAKETLKIDILHKQASGNIVYGVFMLHKKTV NQKTTIYEIQDDRGKMDVVGTGQCHNIPCEEGDKLQLFCFRLRKKNQMSKLISEMHSFIQIKKKTN 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000111111100000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000111

>DM\_train1452 GSPNSRVDELGFNEAERQKILDSNSSLMRNANEVRDKFIQNYATSLKDSNDPQDFLRRVQELRINMQ KNFISFDAYYNYLNNLVLASYNRCKQEKTFAESTIKNELTLGEFVAEISDNFNNFTCDEVARISDLVASY LPREYLPPFIDGNMMGVAFQILGIDDFGKKLNEIVQDIGTKYIILSKNKTYLTSLERAKLITQLKLNLE 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000011111111111111111111

>DM\_train1453 GTLIRATTLSRLSFIDVVNDNGFYQFEKPKEGRKYVATLDCSEGRGQDYHALQIIDITEFPYKQVAVYHS NTTSHFILPDIVFKYLMMYNECPVYIELNSTGVSIAKSLAMDLEYDNIICDSFIDLGMKQSKRSKAMGCS ALKDLIEKDKLIINHKGTIQELRTFSEKGVSWAAEEGFHDDLVMSLVIFGWLTTQEKFAEYAGKDE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000001111111100000000000000000000000000000

>DM\_train1454 MVRVKICGITNLEDALFSVESGADAVGFVFYPKSKRYISPEDARRISVELPPFVFRVGVFVNEEPEKILDV ASYVQLNAVQLHGEEPIELCRKIAERILVIKAVGVSNERDMERALNYREFPILLDTKTPEYGGSGKTFDW SLILPYRDRFRYLVLSGGLNPENVRSAIDVVRPFAVDVSSGVEAFPGKKDHDSIKMFIKNAKGL 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000011111111111000000000000 0000000000000000000000000000000000000000000000000000000

>DM\_train1455 MRGSHHHHHHGSMYLDSQLAERRSMHGVLVDIYGLGVLITGDSGVGKSETALELVQRGHRLIADDR VDVYQQDEQTIVGAAPPILSHLLEIRGLGIIDVMNLFGAGAVREDTTISLIVHLENWTPDKTFDRLGSGE QTQLIFDVPVPKITVPVKVGRNLAIIIEVAAMNFRAKSMGYDATKTFEKNLNHLIEHNEETDQNSSGDK 111111111111111111110000000000000000000000000000000000000000000000000000000

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>DM\_train1456 TMLCVLTTDAAAEPAALERALRRAAAATFDRLDIDGSCSTNDTVLLLSSGASEIPPAQADLDEAVLRV CDDLCAQLQADAEGVTKRVTVTVTGAATEDDALVAARQIARDSLVKTALFGSDPNWGRVLAAVGM APITLDPDRISVSFNGAAVCVHGVGAPGAREVDLSDADIDITVDLGVGDGQARIRTTDLSHAYVEENS AYSS 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000111100000000000000000000000000000000000000111

>DM\_train1457 MHPKDQSVTLLSIIRDYLKLSDKEREAARILANGLVKVDGKTVREKKFAVGFMDVIEINGESYRVVYND QGALVLMKETKERASMKLLKVRSKVIAPGNRIQLGTHDGRTFITDDKSIKVGDVLAVSVPDMKISEIIK MQPGNKAYITAGSHVNQTGTISKIEAKEGSSANLVHFQEGFSTIKDHVFMIGSSKFSFVLSPEEVIP 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000001100000000000000000000000000011111111

>DM\_train1458 MEEVEEFKYEPKSVKEIFIEMKDTVELMVDLAYASLLFGDKEIAEEVLELEERIDLLNYQLMMHSVLAAR NVKEAEQVITILQIANAIEDISNAAGDLAKMVLEGVELHPVIKETILEGEEIIGKIQVYPESVIVGKTLGELD LATNTGVWIIAVRRGKRWIFGPNENFKIRAGDVLIGRGTRTSIDHLKEIARGAIRVIGNERA 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000001111

>DM\_train1459 APEGYRKLLDVQIFKDSPVVGWSGSGMGELETIGDTLPVDTTVTYNGLPTLRLNVQTTVQSGWWISL LTLRGWNTHDLSQYVENGYLEFDIKGKEGGEDFVIGFRDKVYERVYGLEIDVTTVISNYVTVTTDWQH VKIPLRDLMKINNGFDPSSVTCLVFSKRYADPFTVWFSDIKITSEDNEKSAPAIKVNQLGFIPEAEKYAL 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000001111111111111111111111111

>DM\_train1460 ASNAMHEWGLSEELKIQTKQMIEIAEKELSIMRNAIDKEDECILCKMEDIHHMLANVQTLAATYYIQA YLSPYTESSSFITTAIQHLSARKHGALIVVERNETLEALIQTGTTLNAHLTAPLLESIFYPGNPLHDGAVLV KNNHIVSAANILPLTKSTEVDPELGTRHRAAIGLSEKSDALILVVSEETGRTSFALNGILYTISL 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000

>DM\_train1461 MSPKVTKEHKDKRQAEILEAAKTVFKRKGFELTTMKDVVEESGFSRGGVYLYFSSTEEMFRRIIETGLDE GLRKLDKSAEHQSVWASISSYLDELTEGLRDVADTLAPVQFEYLVTAWRNEERRQYLEKRYDLFVERFS RLLQKGIDQGEFQPVQPLATIAKFFLNMNDGIIQNALYFDEEKADVSGLAESAKLYLKTVLQADEK 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1462 AQIKSLFATRLYHAPLSEHGPALDPAEFAASCYSIAEDDDAGQEWCEREGYPGYTSYASLTDLPWRFPI FADLVKSLDAHVAAFAEDLEFELDGKALRLEDIWINILPEGGVHGSHIHPHSVISGTTYVAMPEGTSAL KLEDPRLPFMMAAPTRRKGAREELRTFRSVAPKVGDVLLWESWLRHEVPMNMAEEDRISVSFNYAW

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>DM\_train1464 MATDTLTHATAHAHEHGHHDAGGTKIFGFWIYLMSDCILFSILFATYAVLVNGTAGGPTGKDIFELPF VLVETFLLLFSSITYGMAAIAMYKNNKSQVISWLALTWLFGAGFIGMEIYEFHHLIVNGMGPDRSGFLS AFFALVGTHGLHVTSGLIWMAVLMVQIARRGLTSTNRTRIMCLSLFWHFLDVVWICVFTVVYLMGA

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>DM\_train1465 MILSDKDIIDYVTSKRIIIKPFNKDFVGPCSYDVTLGDEFIIYDDEVYDLSKELNYKRIKIKNSILVCPLNYNL TEEKINYFKEKYNVDYVVEGGVLGTTNEYIELPNDISAQYQGRSSLGRVFLTSHQTAGWIDAGFKGKIT LEIVAFDKPVILYKNQRIGQLIFSKLLSPADVGYSERKTSKYAYQKSVMPSLIHLDNHKKD 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000011111111111111111111111111111

>DM\_train1466 GAFRTQKPSLNTVNVVGSSMGSGGVFTIDGKIKCVTAAHVLTGNSARVSGVGFNQMLDFDVKGDFA IADCPNWQGVAPKAQFCEDGWTGRAYWLTSSGVEPGVIGNGFAFCFTACGDSGSPVITEAGELVGV HTGSNKQGGGIVTRPSGQFCNVKPIKLSELSEFFAGPKVPLGDVKIGSHIIKDTCEVPSDLCALLAAKPE

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>DM\_train1467 GSHMADSYYDYICIIDFEATCEEGNPPEFVHEIIEFPVVLLNTHTLEIEDTFQQYVRPEINTQLSDFCISLT GITQDQVDRADTFPQVLKKVIDWMKLKELGTKYKYSLLTDGSWDMSKFLNIQCQLSRLKYPPFAKKW INIRKSYGNFYKVPRSQTKLTIMLEKLGMDYDGRPHCGLDDSKNIARIAVRMLQDGCELRINEKM 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000

>DM\_train1468 MRGSGSGSMGMTLETAFMLPVQDAQHSFRRLLKAMSEPGVIVALHQLKRGWQPLNIATTSVLLTLA DNDTPVWLSTPLNNDIVNQSLRFHTNAPLVSQPEQATFAVTDEAISSEQLNALSTGTAVAPEAGATLI LQVASLSGGRMLRLTGAGIAEERMIAPQLPECILHELTERPHPFPLGIDLILTCGERLLAIPRTTHVEVC 111111111111111111111000000000000000000000000000000000000000000000000000000

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>DM\_train1469 GMEKLNFGIPEWAFEFHGHKCPYMPMGYRAGSYALKIAGLEKEKDHRTYLLSEMSPEDMNGCFNDG AQAATGCTYGKGLFSLLGYGKLALILYRPGRKAIRVHVRNSFMDELSTRASDFFRYRKQGYEPSEIPAG AIDPVLEWISSLEDEEIFEYREIDGFTFEPVKKNGAKVRCDVCGEYTYEADAKLLNGKPVCKPDYYGKK 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000011

>DM\_train1470 AEHHHHHHLVPRGSIAIDDSAAVQRLTGLLNKAQTLTARFSQLTLDGSGTRLQETAGQLSLKRPGLFR WHTDAPNEQLLISNGEKVWLYDPDLEQVTIQKLDQRLTQTPALLLSGDISKISESFAITYKEGGNVVDF VLKPKTKDTLFDTLRLSFRSGKVNDMQMIDGVGQRTNILFFDVKMNEALDAKQFTFDVPPGVDVIQE 111111111111111111100000000000000000000000000000000000000000000000000000000 000000010000000000000000000000000000000000000000000000000000000000011110000 000000000000000000000000000000000000000000000000000000

>DM\_train1471 SEHKAKYENVTKDIFDLRDYYSGASKELKNVTGYRYSKGGKHYLIFDKHQKFTRIQIFGKDIERLKTRKN PGLDIFVVKEAENRNGTVFSYGGVTKKNQGAYYDYLNAPKFVIKKEVDAGVYTHVKRHYIYKEEVSLKE LDFKLRQYLIQNFDLYKKFPKDSKIKVIMKDGGYYTFELNKKLQPHRMSDVIDGRNIEKMEANIR 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000

>DM\_train1472 EGNGPAAVHYQPASPPRDACVYSSCYCEENVWKLCEYIKNHDQYPLEECYAVFISNERKMIPIWKQQ ARPGDGPVIWDYHVVLLHVSSGGQSFIYDLDTVLPFPCLFDTYVEDAIKSDDDIHPQFRRKFRVICADS YLKNFASDRSHMKDSSGNWREPPPPYPCIETGDSKMNLNDFISMDPKVGWGAVYTLSEFTHRFGSK NC 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000111

>DM\_train1474 LKAGPLLSSEKLIAIGASTGGTEAIRHVLQPLPLSSPAVIITQHMPPGFTRSFAERLNKLCQISVKEAEDGE RVLPGHAYIAPGDKHMELARSGANYQIKIHDGPPVNRHRPSVDVLFHSVAKHAGRNAVGVILTGMG NDGAAGMLAMYQAGAWTIAQNEASCVVFGMPREAINMGGVSEVVDLSQVSQQMLAKISAGQAI

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>DM\_train1475 MEPDMTQAFDDDTLRFYRGNATAYAERQPRSATLTKFLGELPAGAKILELGCGAGYQAEAMLAAGF DVDATDGSPELAAEASRRLGRPVRTMLFHQLDAIDAYDAVWAHACLLHVPRDELADVLKLIWRALK PGGLFYASYKSGEGEGRDKLARYYNYPSEEWLRARYAEAGTWASVAVESSEGKGFDQELAQFLHVSV RKPE

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>DM\_train1476 MRTLFFIPSMGSVRLPLIDFLVKNDIEYVILSRRNHVAVQREIALDMFLEMKDYDTLAFLDEDVVPIEIDF QKVEAKFNEGYDVVCGYYYLKTLRGYSVYRKDWEKEIFDGEVNGCGLGFTFIKREFLEKIKRPAFLAFKPI ESPHWIGEDVYFFSTHKPRTYALSSLKAYHFIDERLALSPDRKLILQNDHVARIKHHHHHH 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000111111111000 00000000000000000000000000000000000000000000000000111

>DM\_train1477 MRERRYSSTSPERLAAALFDVAAESGLEGASVREVAKRAGVSIGAVQHHFSTKDEMFAFALRTLVDKL LARLSEVERGGDPARALFAAMSQLLPLDEARSREAHVMAAFAVRAATSPSLAEIRRKTLFTIRTGLSAV LIGIGTPEAETRAALLLATVDGLALDAIGSPALYPPEYLEHALDIQIGMILQGADVVPSSSIELAS 111111111000000000000000000111111111111111111111111100000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000011111111111

>DM\_train1478 MLSINPNEQTEKDNYKLLTGSIIPRPVAFVTSVTKEGVLNGAPYSYFNIVAANPPLISVSVQRKAGERKD TSRNAIEKGEFVVHISDESYVAAINETAANLPPNESEIELAKLTPIESEVISVPGVKEANIRMECVLERAIPL GGTEDSPACDLLIGRVVRFHVAEHLYEKGRIHAEGLKPISRLAGHNYAKLGEQFELVRPI 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000011110000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000001111

>DM\_train1479 FKIETTPESRYLAQIGDSVSLTCSTTGCESPFFSWRTQIDSPLNGKVTNEGTTSTLTMNPVSFGNEHSYL CTATCESRKLEKGIQVEIYSFPKDPEIHLSGPLEAGKPITVKCSVADVYPFDRLEIDLLKGDHLMKSQEFLE DADRKSLETKSLEVTFTPVIEDIGKVLVCRAKLHIDEMDSVPTVRQAVKELQVYISPKNT 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000111

>DM\_train1481 GMDDQSGDQMRPELTMPPAEAEALRMAYEEAEVILEYGSGGSTVVAAELPGKHVTSVESDRAWAR MMKAWLAANPPAEGTEVNIVWTDIGPTGDWGHPVSDAKWRSYPDYPLAVWRTEGFRHPDVVLVD GRFRVGCALATAFSITRPVTLLFDDYSQRRWQHQVEEFLGAPLMIGRLAAFQVEPQPIPPGSLMQLIR TMTSP 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000

>DM\_train1482 QKEQHSQLNQTKIAYEQRLLNDLEDMDDPLDLFLDYMIWISTSYIEVDSESGQEVLRSTMERCLIYIQD METYRNDPRFLKIWIWYINLFLSNNFHESENTFKYMFNKGIGTKLSLFYEEFSKLLENAQFFLEAKVLLEL GAENNCRPYNRLLRSLSNYEDRLREMNIVENQNSVPDSRERLKGRLIYRTAPFFIRKFLTSS 110000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1483 LPTLGPGWQRQNPDPPVSRTRSLLLDAASGQLRLEDGFHPDAVAWANLTNAIRETGWAYLDLSTN GRYNDSLQAYAAGVVEASVSEELIYMHWMNTVVNYCGPFEYEVGYCEKLKNFLEANLEWMQREME LNPDSPYWHQVRLTLLQLKGLEDSYEGRLTFPTGRFTIKPLGFLLLQISGDLEDLEPALNKTNTKPSLGS GS 111111111111111100000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000001111110000

>DM\_train1484 ISTLHHQTMPSDLTQDEFTQLSQSIAEFHTYQLGNGRCSSLLAQRIHAPPETVWSVVRRFDRPQIYKH FIKSCNVSEDFEMRVGCTRDVNVISGLPANTSRERLDLLDDDRRVTGFSITGGEHRLRNYKSVTTVHRF EKEEEEERIWTVVLESYVVDVPEGNSEEDTRLFADTVIRLNLQKLASITEAMNRNNNNNNSSQVR 111111111110000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000111111111111

>DM\_train1485 MGIHLFWDSRVPVGLSRPVSEELSAVLEMPVSRIDDGIFPLEGFDPVRNQYDAVKVLLKLDMFRRRMP QIFKPADMDLEFYNKFNHLHEKILLVTPGDLYEPLADFVFGLAYPKLGVAIVSPHRLQNEFYGKYADDS ALIDRIVKEGAHEIGHLFGLGHCDNPGCIMYCPRNLDELDRKRKYFCGKCRVQLNGDTLEDDLFS 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000001111111111

>DM\_train1486 KLIGMLDSPYVRRVAISLKSLGLPFEHHSLSVFSTFEQFKAINPVVKAPTLVCEGGEVLMDSSLIIDYLETL AGPQRSLMPTALPQRLRELRLVGLALAACEKSVQIVYERNLRPAEKQHGPWLERVGGQLQAAYGELE QELQKQPLPRDGSLGQAGISLAVAWSFSQMMVADQFNPGQFPAVRGFAEYAEQLPVFLATPAT 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000001

>DM\_train1488 MKLFYKPGACSLASHITLRESGKDFTLVSVDLMKKRLENGDDYFAVNPKGQVPALLLDDGTLLTEGVA IMQYLADSVPDRQLLAPVNSISRYKTIEWLNYIATELHKGFTPLFRPDTPEEYKPTVRAQLEKKLQYVNE ALKDEHWICGQRFTIADAYLFTVLRWAYAVKLNLEGLEHIAAFMQRMAERPEVQDALSAEGLK 000000000000000000000000000000011111111111000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000111000000 000000000000000000000000000000000000000000000000000

>DM\_train1489 AATSRTERIWPGGVIPYVIGGNFTGSQRAMFKQAMRHWEKHTCVTFIERSDEESYIVFTYRPCGCCSY VGRRGNGPQAISIGKNCDKFGIVVHELGHVIGFWHEHTRPDRDNHVTIIRENIQPGQEYNFLKMEPG EVNSLGERYDFDSIMHYARNTFSRGMFLDTILPSRDDNGIRPAIGQRTRLSKGDIAQARKLYRCPA 000000000000000000000000000000000000000000000000000000000000011110000000000 000000110000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1490 GADNNKWKPLFGKNLENANYNPEVWSETDGVLGAVKDESIWTKDEYENFELDLDFKTDVGTNSGV VVYCTDTKDWIPNSVEIQIADDHCEKWGNGKPYEKCGAIYGHLGAVQDKVVKKPGEWNHMRIKCA GQHIMVILNGKKVTEMDMSKWTSGTKNPDGSDIPSWLPKPFAELPTKGFIGLQGKHGDSLIWFRNIKI RSL 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000

>DM\_train1491 MGAAGDAAIGRESRELMSAANVGRTISRIAHQIIEKTALDDPVGPDAPRVVLLGIPTRGVTLANRLAG NITEYSGIHVGHGALDITLYRDDLMIKPPRPLASTSIPAGGIDDALVILVDDVLYSGRSVRSALDALRDV GRPRAVQLAVLVDRGHRELPLRADYVGKNVPTSRSESVHVRLREHDGRDGVVISRGSHHHHHH 111111111110000000000000000000000000000000000000000000000000000000000000000 000000000000000111111110000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000011111111

>DM\_train1492 MSANVQEAANAAIEPASFVKVPMPEPPSSLQQLINDWQLIKHREGGYFKETDRSPYTMEVEKPVNG GSGNTEMVTRNQSTLIYYLLTPDSPIGKFHKNINRIIHILQRGKGQYVLVYPDGQVKSFKVGFDYKNGE VSQWVVPGGVFKASFLLPNEEFDNGFLISEVVVPGFDFEDHTFLKGEDELKHLVGPEKAAELAFLA 111111110000000000000000000000000000000000000000000000000000001111111110000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000

>DM\_train1493 MRTFTWRKGSLSKVNTCYVLAGGKSKRFGEDKLLYEIKGKKVIERVYETAKSVFKEVYIVAKDREKFSFL NAPVVLDEFEESASIIGLYTALKHAKEENVFVLSGDLPLMKKETVLYVLENFKEPVSVAKTEKLHTLVGVY SKKLLEKIEERIKKGDYRIWALLKDVGYNEVEIPEELRYTLLNMNTKEDLKRILAIENHY 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000001111111111111

>DM\_train1494 MGSSSSGRENLYFQGHMKNDTAALAADIVDFWKKAGPDKWFDKDAAFDNHFHDRFRDAHFAAAR RELDGWLEGAESSLALMLLLDQFPRNCFRGTAHMYATDPLARFFADEAIRRGHDQAVSEDLRVFFYL PFSHAEDIAAQQRACDLNQPLGGLYLHHAEEHRDIVERFGRFPHRNGILLRETTPEERQYLEEGGFSG GS 111111111111111111100000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000111111

>DM\_train1495 MELRDRIDFLCKTILAIKTAGRLVLGIDGLSRSGKTTLANQLSQTLREQGISVCVFHMDDHIVERAKRYH TGNEEWFEYYYLQWDVEWLTHQLFRQLKASHQLTLPFYDHETDTHSKRTVYLSDSDMIMIEGVFLQR KEWRPFFDFVVYLDCPREIRFARENDQVKQNIQKFINRYWKAEDYYLETEEPIKRADVVFDMTS 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1496 VSDAAERNLAFALSELDRITAQLKLPRHVEEEAARLYREAVRKGLIRGRSIESVMAACVYAACRLLKVPR TLDEIADIARVDKKEIGRSYRFIARNLNLTPKKLFVKPTDYVNKFADELGLSEKVRRRAIEILDEAYKRGLT SGKSPAGLVAAALYIASLLEGEKRTQREVAEVARVTEVTVRNRYKELVEKLKIKVPIA 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000

>DM\_train1497 MHTKGPTPQQHDGSALRIGIVHARWNETIIEPLLAGTKAKLLACGVKESNIVVQSVPGSWELPIAVQR LYSASQLQTPSSGPSLSAGDLLGSSTTDLTALPTTTASSTGPFDALIAIGVLIKGETMHFEYIADSVSHGL MRVQLDTGVPVIFGVLTVLTDDQAKARAGVIEGSHNHGEDWGLAAVEMGVRRRDWAAGKTE 111100000000000000000000000000000000000000000000000000000000000000000000000 011111111111111111111111111111100000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000

>DM\_train1498 GMTIKALFWDIGGVLLTNGWDREQRADVAQRFGLDTDDFTERHRLAAPELELGRMTLAEYLEQVVFY QPRDFTPEDFRAVMEEQSQPRPEVLALARDLGQRYRMYSLNNEGRDLNEYRIRTFGLGEFLLAFFTSS ALGVMKPNPAMYRLGLTLAQVRPEEAVMVDDRLQNVQAARAVGMHAVQCVDAAQLREELAALG VR 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000

>DM\_train1499 MSPSTEAAARTPSEARARLLGTATRIFYAEGIHSVGIDRITAEAQVTRATLYRHFSGKDDLILAYLDQAD RGIRAQVTAARGSSPAADGQVRAVARSIVDGIRSPGFRGCAFLNAVAEYPDPAHPVHRAVLAHRQW FLDTVTELLAQVGDGDGVAAGRHLVMLRDGAMAAGCLFDPELVSETFLHGVEGVLRDVSEKTSA 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000001111

>DM\_train1500 GMIPFPESRLAAQMSFVVEIDKLKTILRQTLLTDSSRRENDAEHSWHIATMAFLLAEYADEAVQIGRVA RMLLIHDIVEIDAGDTFIHDEAGNEDKEERERKAAARLFGLLPPDQAAEYSALWQEYEARETADARFA DALDRLQPLLHNFETEGGTWKPHGVTRAKVDKLLPRIEAGSKRLGAYARALVDEAVRRGYLAP 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000001111100000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000

>DM\_train1501 MGHHHHHHGGHMSLLRFLEVVSEHIKNLRNHIDLETVGEMIKLIDSARSIFVIGAGRSGYIAKAFAMRL MHLGYTVYVVGETVTPRITDQDVLVGISGSGETTSVVNISKKAKDIGSKLVAVTGKRDSSLAKMADVV MVVKGKMKQERDEILSQLAPLGTMFELTAMIFLDALVAEIMMQKHLTEKDLEARHAVLEEGGS 111111111100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000011

>DM\_train1502 MASMTGGQQMGRGSIVAASTIPGSAATLNTSITKNIQNGNAYIDLYDVKLGKIDPLQLIVLEQGFTAK YVFRQGTKYYGDVSQLQSTGRASLTYNIFGEDGLPHVKTDGQIDIVSVALTIYDSTTLRDKIEEVRTNA NDPKWTEESRTEVLTGLDTIKTDIDNNPKTQTDIDSKIVEVNELEKLLVLKLAAALEHHHHHH 111111111111111111000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000011

>DM\_train1503 GSMSSPYILVLYYSRHGATAEMARQIARGVEQGGFEARVRTVPAVSTECEAVAPDIPAEGALYATLED LKNCAGLALGSPTRFGNMASPLKYFLDGTSSLWLTGSLVGKPAAVFTSTASLHGGQETTQLSMLLPLL HHGMLVLGIPYSEPALLETRGGGTPYGASHFAGADGKRSLDEHELTLCRALGKRLAETAGKLGS 111100000000000000000000000000000000000000000001111111111111000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000111 11111111100000000000000000000000000000000000000000

>DM\_train1504 RRLETQKEAEANRGYGKPSLGGPFHLEDMYGNEFTEKNLLGKFSIIYFGFSNCPDICPDELDKLGLWLN TLSSKYGITLQPLFITCDPARDSPAVLKEYLSDFHPSILGLTGTFDEVKNACKKYRVYFSTPPNVKPGQD YLVDHSIFFYLMDPEGQFVDALGRNYDEKTGVDKIVEHVKSYVPAEQRAKQKEAWYSFLFK 111111111111111000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000111111111111110000000000 00000000000000000000000000000000001111111111111111

>DM\_train1505 MALKYPSGKEYRGNKPNAARRPAADYANRGMTLEDDLNATNEYYRERGIAVIHKKPTPVQIVRVDYP KRSAAVITEAYFRQASTTDYNGVYRGKYIDFEAKETKNKTAFPLKNFHAHQIRHMEQVVAHGGICFAIL RFSLLNETYLLDASHLIAWWNKQEAGGRKSIPKQEIERHGHSIPLGYQPRIDYISVVDNVYFTR 111111111111111111111111111110000000000000000000000000000001111111111111111 100000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000

>DM\_train1506 MVGQVIRKRGAYPEYTVEDVLAVIFLLKEPLGRKQISERLELGEGSVRTLLRKLSHLDIIRSKQRGHFLTLK GKEIRDKLLSMFSEPIGVSVDGYPGIAIVVKNPPEFKSIELRDEAIKFDAKGAMILTVKDNEIVFPEDFRPL KEMYPEVAKKIVDYEDGDAVIITWAETPAKALKSAIHVAYILKKEEITPEILEVVK 111111111111100000000000000000000000000000000000000000000000000110000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000001

>DM\_train1507 GMTKKTGFFKRLKALTLPQKQLFATALCQRMLPNYQLFSEVCEFGDPAVLSTALELLWQSLYDPKLKF NIDVHLQRLEDNTPEPADFEAYGVYPAMDAVVAISTLLGAIQGKIEEDIVNISKLSSSTVANYIEAISDV DLVDEALDDFVFAHEVMEEEKELQNSLLEIIEENPKITAELVKGLRKDIIETGVSNIGISVA 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000

>DM\_train1508 DYGRADNENRVGQVTGLAWTEVGGDLLTIETACVPGKGKLTYTGSLGEVMQESIQAALTVVRARAE

KLGINPDFYEKRDIHVHVPEGATPKDGPAAGIAMCTALVSCLTGNPVRADVAMTGEITLRGQVLPIGG LKEKLLAAHRGGIKTVLIPFENKRDLEEIPDNVIADLDIHPVKRIEEVLTLALQNEPSGMQVVTAK 111111111000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000111111111

>DM\_train1509 SLGLAQSAQEILDRVEKNLSTPWQATVQGRIQGPGGEEELLARVYALPQARLFRVEFLKPGSLEGNFT VITEKEVWNYLYLTNQLVISPREKAKIQGLGFAPQGLGDLKALSEQVDLRLEGEVRLPEGMAWKLVGR SKENQGFAAMELYILKADPRPLRFVFLDEKGKVLADLKVVEFKRTNLTEAQLKRYPKDAQVVRR 111110000000000000000000000000011111000000000000000000000000000000000000000 000000000000001111111111111111111111110000000000000000000000001110000000000 00000000000000000000000000000000000000000000000000

>DM\_train1510 SKVLVLKSSILAGYSQSNQLSDYFVEQWREKHSADEITVRDLAANPIPVLDGELVGALRPSDAPLTPRQ QEALALSDELIAELKAHDVIVIAAPMYNFNISTQLKNYFDLVARAGVTFRYTENGPEGLVTGKKAIVITS RGGIHKDGPTDLVTPYLSTFLGFIGITDVKFVFAEGIAYGPEMAAKAQSDAKAAIDSIVSA 000000000000000000000000000000000000000000000000000000000011111100000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000

>DM\_train1511 MEHICGTSRIAGFRFSLYPMTDDFISVIKSALAATDTSKVWTKTDHISTVLRGSIDHVFDAAKAIYLHAA NSEQHIVMNGTFSIGCPGDTQGDTYLSKGDKRVNEDAVRGLKAEAPCQFALYPMNEPDYMGLIME AVDIAKAQGTFVQGVHYASELDGDAHDVFSTLEAVFRMAEQQTNHITMTVNLSANSPSRKNRKQG 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000001111000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000011111111

>DM\_train1512 VAPGIVIPPKALFTQQGGAYGRCPNGTRALTVAELRGNAELQTYLRQITPGWSIYGLYDGTYLGQAYG GIIKDAPPGAGFIYRETFCITTIYKTGQPAADHYYSKVTATRLLASTNSRLCAVFVRDGQSVIGACASPYE GRYRDMYDALRRLLYMIYMSGLAVRVHVSKEEQYYDYEDATFQTYALTGISLCNPAASIC 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000

>DM\_train1514 MKSERILVVKTEDFLKEFGEFEGFMRVNFEDFLNFLDQYGFFRERDEAEYDETTKQVIPYVVIMDGDRV LITKRTTKQSEKRLHNLYSLGIGGHVREGDGATPREAFLKGLEREVNEEVDVSLRELEFLGLINSSTTEVS RVHLGALFLGRGKFFSVKEKDLFEWELIKLEELEKFSGVMEGWSKISAAVLLNLFLTQN 111000000000000000000000000000000000000000000000000000000000000000000000001 111111111110000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000001111

>DM\_train1515 AHMGIQRPTSTTTDKKEIKAYLKQVDKIKDDEEPIKTVGKKIAELDEKKKKLTEDVNSKDTAVRGKAVKD LIKNADDRLKEFEKEEDAIKKSEQDFKKAKSHVDNIDNDVKRKEVKQLDDVLKEKYKLHSDYAKAYKKA VNSEKTLFKYLNQNDATQQGVNEKSKAIEQNYKKLKEVSDKYTKVLNKVQKEKQDVDQFK

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>DM\_train1516 MTAPHDVPDLTGSGEYLVPDVLQPGLTLVLVGTAPSGISARARAYYANPENKFWRTLHAVGLTPRQL VPQEYATLPQYGLGLTDVAKRHSGVDAALPGEAWRPDELRRKVEHYRPRIVAFTSKRGASETLGVPTG KLPYGPQPQPLDWPAETELWVLPSTSPLGHNHFRLEPWQALGDRVRELRGAAEAGNPSPETPVL 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000001111111111

>DM\_train1517 MRHDFVFSGVIMLELNAKTTALVVIDLQEGILPFAGGPHTADEVVNRAGKLAAKFRASGQPVFLVRV GWSADYAEALKQPVDAPSPAKVLPENWWQHPAALGTTDSDIEIIKRQWGAFYGTDLELQLRRRGID TIVLCGISTNIGVESTARNAWELGFNLVIAEDACSAASAEQHNNSINHIYPRIARVRSVEEILNAL 111111111111110000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000

>DM\_train1518 GMTVRDENYFTEKYGLTRTHSDVLAAAKVVAPGRTLDLGCGNGRNSLYLAANGYDVTAWDKNPAS MANLERIKAAEGLDNLQTDLVDLNTLTFDGEYDFILSTVVMMFLEAQTIPGLIANMQRCTKPGGYNLI VAAMDTPDFPCTVGFPFAFKEGELRRYYEGWDMLKYNEDVGELHRTDENGNRIKLRFATMLARKTA 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000111111111000 0000000000000000000000001111111111110000000000000

>DM\_train1519 MSWENPGPPKRADARRNYDRIIEAAAAEVARHGADASLEEIARRAGVGSATLHRHFPSRWGLLQAV FQERVAQLCDEARSLAAEHPPATALTRWLTSLAVFGAVTRGAARSLLPATGTNTGAALDSRCEQLLTE AGADLLARAQEDGTVRDDVTALELLSLANAVSLAAEHTPDAAHHATRLMGIALGGLGAPGPRPQG 111111111110000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000011111111100000000000000000000000000000 0000000000000000000000000000000000000000001111111

>DM\_train1521 MDAPDISYEHQETSVPNRSGIIPTLQNVVATVNLSCKLDLKNIALRARNAEYNPKRFAAVIMRIREPKT TALIFASGKMVITGAKSEKSSRMAAQRYAKIIHKLGFNATFDDFKIQNIVSSCDIKFSIRLEGLAYAHSNY CSYEPELFPGLIYRMVKPKIVLLIFVSGKIVLTGAKVRDDIYQAFNNIYPVLIQHRKA 111111111111111111100000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000001

>DM\_train1522 MGSSGSSNILIINGAKKFAHSNGQLNDTLTEVADGTLRDLGHDVRIVRADSDYDVKAEVQNFLWAD VVIWQMPGWWMGAPWTVKKYIDDVFTEGHGTLYASDGRTRKDPSKKYGSGGLVQGKKYMLSLTW NAPMEAFTEKDQFFHGVGVDGVYLPFHKANQFLGMEPLPTFIANDVIKMPDVPRYTEEYRKHLVEIFG 111110000000000011111111100000000000000000000000000000000000000000000000000 000000000000000000000000001111111111000000000000000000000000000000000000000

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>DM\_train1524 MFADRLFNAMERNEPAPGMVLVAAPSMESEDFARSVILIIEHSEYATFGVNLASRSDVAVFNVIPEWV PCVTKPQALYIGGPLNQQSVVGVGVTAQGVDAARVDNLTRLANRLVMVNLGADPEEIKPLVSGMRL FAGHAEWAPGQLAQEIENGDWFVAPALPSDVTAPGSVDVWGDVMRRQPMPLPLYSTFPVNVGEN 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000011111

>DM\_train1525 MTSKGPEEEHPSVTLFRQYLRIRTVQPKPDYGAAVAFFEETARQLGLGCQKVEVAPGYVVTVLTWPGT NPTLSSILLNSHTDVVPVFKEHWSHDPFEAFKDSEGYIYARGAQDMKCVSIQYLEAVRRLKVEGHRFP RTIHMTFVPDEEVGGHQGMELFVQRPEFHALRAGFALDEGIANPTDAFTVFYSERSPWWVRV 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000001

>DM\_train1526 MHALYITHPQVKIDPAVPVPEWGLSERGAERAREASRLPWAKALRRIVSSAETKAIETAHMLAETSGA AIEIIEAMHENDRSATGFLPPPEFEKAADWFFAHPEESFQGWERAIDAQARIVEAVKAVLDRHDARQP IAFVGHGGVGTLLKCHIEGRGISRSKDQPAGGGNLFRFSIAEFSLAAASPTCDWTAMETWQG 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000001100000000000000000100011000000000000

>DM\_train1527 MDTLAPESTRQNLRSQRLNLLTNEPHQRLESLVKSKEPFASRDNFARFVAAQYLFQHDLEPLYRNEAL ARLFPGLASRARDDAARADLADLGHPVPEGDQSVREADLSLAEALGWLFVSEGSKLGAAFLFKKAAA LELDENFGARHLAEPEGGRAQGWKSFVAILDGIELNEEEERLAAKGASDAFNRFGDLLERTFA 111111111110000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000

>DM\_train1528 GMAGKVEARKAALREKLIDLAEAQIEAEGLASLRARELARQADCAVGAIYTHFQDLNALTLEVNGRTF ARLGAAVGAVVADGQDDHPNERLIAMSHAYLAFAREHPKLWRALFDVEMRSDGPVPQWYGHAM AQLFSYITTPLAKIFPESDDAELDLMTRTLFSSVHGIVLLGLENRISGVPGEQLKTMIRLLLEQVGR 111111111000000000000000000000000000000000000000000000000000000000000000000 011111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000

>DM\_train1529 MATFYEVIVRVPFDVEEHLPGISDSFVDWVTGQIWELPPESDLNLTLVEQPQLTVADRIRRVFLYEWN KFSKQESKFFVQFEKGSEYFHLHTLVETSGISSMVLGRYVSQIRAQLVKVVFQGIEPQINDWVAITKVKK GGANKVVDSGYIPAYLLPKVQPELQWAWTNLDEYKLAALNLEERKRLVAQFLAESSQRS 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000001111

>DM\_train1530

RNLPVATPDPGMFPCLHHSQNLLRAVSNMLQKARQTLEFYPCTSEEIDHEDITKDKTSTVEACLPLELT KNESCLNSRETSFITNGSCLASRKTSFMMALCLSSIYEDLKMYQVEFKTMNAKLLMDPKRQIFLDQNM LAVIDELMQALNFNSETVPQKSSLEEPDFYKTKIKLCILLHAFRIRAVTIDRVMSYLNAS

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>DM\_train1531 GSHGTTFNGIMQSYVPRIVPDEPDNDTDVESCINRLREDDTDLKEVNINNMKRVSKERIRSLIEAACNS KHIEKFSLANTAISDSEARGLIELIETSPSLRVLNVESNFLTPELLARLLRSTLVTQSIVEFKADNQRQSVLG NQVEMDMMMAIEENESLLRVGISFASMEARHRVSEALERNYERVRLRRLGKDPNV 111111111111111111111111110000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000001111

>DM\_train1532 SNAMEALKRKIEEEGVVLSDQVLKVDSFLNHQIDPLLMQRIGDEFASRFAKDGITKIVTIESSGIAPAVM TGLKLGVPVVFARKHKSLTLTDNLLTASVYSFTKQTESQIAVSGTHLSDQDHVLIIDDFLANGQAAHGL VSIVKQAGASIAGIGIVIEKSFQPGRDELVKLGYRVESLARIQSLEEGKVSFVQEVHS 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000111000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000011111

>DM\_train1533 GHMNDALHIGLPPFLVQANNEPRVLAAPEARMGYVLELVRANIAADGGPFAAAVFERDSGLLIAAGT NRVVPGRCSAAHAEILALSLAQAKLDTHDLSADGLPACELVTSAEPCVMCFGAVIWSGVRSLVCAAR SDDVEAIGFDEGPRPENWMGGLEARGITVTTGLLRDAACALLREYNACNGVIYNARCGVHKGS 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000111111111111111

>DM\_train1534 MSLEKPKVERSEGKEKLEDYAYVLDFMPYGHPDDKRPIHRREPLAQVVGERNFTLLEVSIRKGKQPLV MDRVYIGKGERDVVYKIKRRLRYEDLTPAAKTELPYVIEHIIKQDEKKYVDFFNKADSITTRMHQLELLP GVGKKMMWAIIEERKKRPFESFEDIAQRVKGIQRPEKLIVSRIIYEIKNPQTKYKLFTA 111111111111111110000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000001100000000000000000000000000 00000000000000000000000000000000000000000000000

>DM\_train1536 MKLIVGMTGATGAPLGVALLQALREMPNVETHLVMSKWAKTTIELETPYSARDVAALADFSHNPAD QAATISSGSFRTDGMIVIPCSMKTLAGIRAGYADGLVGRAADVVLKEGRKLVLVPREMPLSTIHLENML ALSRMGVAMVPPMPAFYNHPETVDDIVHHVVARVLDQFGLEHPYARRWQGLPQARNFSQENE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000111111111111111111111

>DM\_train1538 MPLPTFPALLFGLSGCLVDFGAQAATSDTPDDEHAQLTPGAQNALKALRDQGMPCAWIDELPEALS TPLAAPVNDWMIAAPRPTAGWPQPDACWMALMALNVSQLEGCVLISGDPRLLQSGLNAGLWTIG

LASCGPLCGLSPSQWQALNNAEREQRRAQATLKLYSLGVHSVIDHLGELESCLADIALRRSKGEKP 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000

>DM\_train1539 GMTYKDYTGLDRTELLSKVRHMMSDKRFNHVLGVERAAIELAERYGYDKEKAGLAALLHDYAKELSD DEFLRLIDKYQPDPDLKKWGNNIWHGLVGIYKIQEDLAIKDQDILAAIAKHTVGSAQMSTLDKIVYVA DYIEHNRDFPGVEEARELAKVDLNKAVAYETARTVAFLASKAQPIYPKTIETYNAYIPYLD 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000

>DM\_train1540 GMTTTQPEAKDRISSLPVPDATQVPEGVRKLWAKAEANIGFVPNVFRAQAVNGEQFLAWWNYFNL LLNKEGYLTNAERELVAVVVSGVNRCLYCAVSHGAALREFLGDPQKADAVAVNWRHADLTEREQAL AAYAEKLTRHPAEVTAADLEPLRAVGLDDHQIMELVQVIGMFNLTNRVSSALGFVPNPEYYRQAR 111111111100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000

>DM\_train1541 MSLSLKIALISQNENLLNLFPKLALEKNFIPITKTASLTRASKIAFGLQDEVDAIISRGATSDYIKKSVSIPSIS IKVTRFDTMRAVYNAKRFGNELALIAYKHSIVDKHEIEAMLGVKIKEFLFSSEDEITTLISKVKTENIKIVVS GKTVTDEAIKQGLYGETINSGEESLRRAIEEALNLIEVRNEGHHHHHH 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000011111111

>DM\_train1542 MAEICLITGTPGSGKTLKMVSMMANDEMFKPDENGIRRKVFTNIKGLKIPHTYIETDAKKLPKSTDEQL SAHDMYEWIKKPENIGSIVIVDEAQDVWPARSAGSKIPENVQWLNTHRHQGIDIFVLTQGPKLLDQN LRTLVRKHYHIASNKMGMRTLLEWKICADDPVKMASSAFSSIYTLDKKVYDLYESAEVHT 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000111111

>DM\_train1543 DILECDYFDTVDISAAQKLQNGSYLFEGLLVPAILTGEYDFRILPDDSKQKVARHIRGCVCKLKPCVRFC CPHDHIMDNGVCYDNMSDEELAELDPFLNVTLDDGSVSRRHFKNELIVQWDLPMPCDGMFYLDNR EEQDKYTLFENGTFFRHFDRVTLRKREYCLQHLTFADGNATSIRIAPHNCLIVPSITGQT 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000001111111

>DM\_train1544 MRGSHHHHHHLVPRGSKTRGQIQVILGPMFSGKSTELMRRVRRFQIAQYKCLVIKYAKDTRYSSSFCT HDRNTMEALPACLLRDVAQEALGVAVIGIDEGQFFPDIVEFCEAMANAGKTVIVAALDGTFQRKPFG AILNLVPLAESVVKLTAVCMECFREAAYTKRLGTEKEVEVIGGADKYHSVCRLCYFKKAS 111111111111111111000000000000000000000000000000000000000000011111111111111

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>DM\_train1545 SNAMWKRMTAKAEGLYIADTKSFVTKQMDKLDFDYGGIPGDLHFGLTKKAGAREPMFSRGTEIFNRR QISIVSIEECNEIALKMGVPRILPEWLGANVAVSGMPDLTSLKEGSRIIFPSGAALLCEGENDPCIQPGEV IQSYYPDQPKLASAFVRHALGIRGIVCIVERPGAVYTGDEIEVHSYQRKVKRKAERV 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000001111111111

>DM\_train1546 EAASSSDADGKEVGSSGEGNRATGGKWRRPSLAQQRARRAQLPPAFDVVHWNDEDISRGHLLRVL HRDTFVVLDYHRQARMLTEEGNKAERVVSVMLPAVYTARFLAVLEGRSEKVEVHSRYTNATFTPNPA APYTFTLKCTSTRPAQQKQQVAGEEGDETFEWTVEFDVAESLMLQRFLTQALHYNTGFARTSV 111111111111111111111111110000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000001111 111111110000000000000000000000000000000000111

>DM\_train1547 GMSLAPWRGAIAHALHRNRSLVYARYLQLATVQPNGRPANRTLVFRGFLEDTNQLRFITDTRSAKAD QIQQQPWAEICWYFPNTREQFRMAGDLTLISSDDSHQDLQPARIAMWQELSDAARLQFGWPYPG KPRIKESGAFEPSPPDPIEPVPNFCLLLLDPVQVDHLELRGEPQNRWLYHRNDQQEWSSEAINP 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000001111000000000000 000000000000000000000000000000000000000000000

>DM\_train1548 MSAFFLNMEKSIITQKIIAKAFKDLMQSNAYHQISVSDIMQTAKIRRQTFYNYFQNQEELLSWIFENDF AELINDNSDYYGWQNELLLLLRYLDENQIFYQKIFVIDKNFEHFFLIQWENLLDKVIFDQEKKSDYHWS DLEKSFICRYNAAAICAITRESIIRGNSLEKLYSQIVNLLLAQIKIFESLEHHHHHH 111111111100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000001111111

>DM\_train1549 SETQSFVVSVAGSDRVGIVHDFSWALKNISANVESSRMACLGGDFAMIVLVSLNAKDGKLIQSALESA LPGFQISTRRASSVAERHVSPDTREYELYVEGPDSEGIVEAVTAVLAKKGANIVELETETLPAPFAGFTLF RMGSRVAFPFPLYQEVVTALSRVEEEFGVDIDLEEVVEGEDSEEDDDSPNSPVGRH 100000000000000000000000000000000000000000000000000000000000000000000000000 000001111100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000001111111111111111111

>DM\_train1550 MSVEKIPGYTYGETENRAPFNLEDLKLLKEAVMFTAEDEEYIQKAGEVLEDQVEEILDTWYGFVGSHPH LLYYFTSPDGTPNEKYLAAVRKRFSRWILDTSNRSYDQAWLDYQYEIGLRHHRTKKNQTDNVESVPNI GYRYLVAFIYPITATMKPFLARKGHTPEEVEKMYQAWFKATTLQVALWSYPYVKYGDF 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000

>DM\_train1551 MARTEKIYIYGASGHGLVCEDVAKNMGYKECIFLDDFKGMKFESTLPKYDFFIAIGNNEIRKKIYQKISEN GFKIVNLIHKSALISPSAIVEENAGILIMPYVVINAKAKIEKGVILNTSSVIEHECVIGEFSHVSVGAKCAGN VKIGKNCFLGINSCVLPNLSLADDSILGGGATLVKNQDEKGVFVGVPAKRM 110000000001100000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000

>DM\_train1552 MTAPHDPLDDIQADPWALWLSGRTRTALELPHYRRAAVLVALTREADPRVLLTVRSSELPTHKGQIAF PGGSLDAGETPTQAALREAQEEVALDPAAVTLLGELDDVFTPVGFHVTPVLGRIAPEALDTLRVTPEV AQIITPTLAELRAVPLVRERRTLPDGTEVPLYRYPWRGLDIWGMTARVLHDLLEQGPG 111100000000000000000011111111110000000000000000000000001111110000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000001111

>DM\_train1553 STNDNIKDLLDWYSSGSDTFTNSEVLDNSLGSMRIKNTDGSISLIIFPSPYYSPAFTKGEKVDLNTKRIKK SQHTSEGTWIHFQISGVTNTEKLPTPIELPLKVKVHGKDSPLKYWPKFDKKQLAISTLDFKIRHQLTQTH GLYRSSDKTGGYWKITMNDGSTYQSDLSKKFEYNTEKPPINIDEIKTIEAEIN 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000

>DM\_train1554 CSCSPVHPQQAFCNADVVIRAKAVSEKEVDSGNDIYGNPIKRIQYEIKQIKMFKGPEKDIEFIYTAPSSA VCGVSLDVGGKKEYLIAGKAEGDGKMHITLCDFIVPWDTLSTTQKKSLNHRYQMGCECKITRCPMIPC YISSPDECLWMDWVTEKNINGHQAKFFACIKRSDGSCAWYRGAAPPKQEFLDIEDP 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000111111111111

>DM\_train1555 HMPGGSKKIGIFGGTFDPPHNGHLLMANEVLYQAGLDEIWFMPNQIPPHKQNEDYTDSFHRVEMLK LAIQSNPSFKLELVEMEREGPSYTFDTVSLLKQRYPNDQLFFIIGADMIEYLPKWYKLDELLNLIQFIGVK RPGFHVETPYPLLFADVPEFEVSSTMIRERFKSKKPTDYLIPDKVKKYVEENGLYES 111111000000000000000000000000000000000000000011111111110000000000000000000 000000000000000000000000000000000000000000000000000000000000011111100000000 00000000000000000000000000000000000000011111

>DM\_train1556 GSHMSEQLTDQVLVERVQKGDQKAFNLLVVRYQHKVASLVSRYVPSGDVPDVVQEAFIKAYRALDS FRGDSAFYTWLYRIAVNTAKNYLVAQGRRPPSSDVDAIEAENFESGGALKEISNPENLMLSEELRQIVF RTIESLPEDLRMAITLRELDGLSYEEIAAIMDCPVGTVRSRIFRAREAIDNKVQPLIRR 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000011111111111111111111111111110000000000000000000000000000 00000000000000000000000000000000000000000000

>DM\_train1557 LTTISSILSLKREKPDNLAIILQIDFTKLKEEDSLIVVYNSLKALTIKFARLQFCFVDRNNYVLDYGSVLHKID

SLDSISNLKSKSSSTQFSPIWLKNTLYPENIHEHLGIVAVSNSNMEAKKSILFQDYRCFTSFGRRRPNELK IKVGYLNVDYSDKIDELVEASSWTFVLETLCYSFGLSFDEHDDDDEEDN 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000001111000000000 00000010000000000000000000000000000000111111

>DM\_train1558 MAHHHHHHMTIRVMLQAMDQGHLLVNNVDKYVRAGRGVMVYIAFLSDRDSAPITDEALRHAVGV LLHTKIFTHFSPEKMINQPQSLEECPEMDILIVPQASLGGKVKGRSVQFHQLVAKDVGAALYDRFCHF VRVARGVDESRVDANGAPRSEGDAPKAEGWIKYNSRVISGTFGNRQGLRFESEGPFTHMFDI 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000

>DM\_train1559 MNHLISGFENFEKKINYRFKNKAYLLQAFTHASYHYNTITDCYQRLEFLGDAILDYLITKHLYEDPRQHS PGVLTDLRSALVNNTIFASLAVKYDYHKYFKAVSPELFHVIDDFVQFQLEKNEMQGMDSELRRSEEDE EKEEDIEVPKAMGDIFESLAGAIYMDSGMSLETVWQVYYPMMRPLIEKFSANVPRS 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000011111111111111111111000000000 00000000000000000000000000000000000000001111

>DM\_train1560 GSMKNPQSKADDILQCARTLIIRGGYNSFSYADISQVVGIRNASIHHHFPSKSDLVCKLVSQYRQEAE AGIAELEKNISDPLEQLRAYIGYWEGCIADATHPFCVCALLASEIPVLPETVVLEVRAHFRSLSDWLTAV LERGIAQGRLVLTGTARANAEIFMATVHGAMLSARAHGDAATFGAITRPMLERITA 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000

>DM\_train1561 SIEFSTAITRQIVLDTETTGMNQIGAHYEGHKIIEIGAVEVVNRRLTGNNFHVYLKPDRLVDPEAFGVHG IADEFLLDKPTFAEVADEFMDYIRGAELVIHNAAFDIGFMDYEFSLLKRDIPKTNTFCKVTDSLAVARKM FPGKRNSLDALCARYEIDNSKRTLHGALLDAQILAEVYLAMTGGQTSMATRESG 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000011111111111

>DM\_train1563 MEERVLGMPAVESNMFPLGKQAPPFALTNVIDGNVVRLEDVKSDAATVIMFICNHCPFVKHVQHEL VRLANDYMPKGVSFVAINSNDAEQYPEDSPENMKKVAEELGYPFPYLYDETQEVAKAYDAACTPDFY IFDRDLKCVYRGQLDDSRPNNGIPVTGESIRAALDALLEGRPVPEKQKPSIGCSIKWKPSA 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000

>DM\_train1564 GPLGSPEFIILQTYRAIADYEKTSGSEMALSTGDVVEVVEKSESGWWFCQMKAKRGWIPASFLEPLDSP DETEDPEPNYAGEPYVAIKAYTAVEGDEVSLLEGEAVEVIHKLLDGWWVIRKDDVTGYFPSMYLQKSG QDVSQAQRQIKRGAPPRRSSIRNAHSIHQRSRKRLSQDAYRRNSVRFLQQRRRQAR

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>DM\_train1565 SQDASDGLQRLHMLQISYFRDPYHVWYQGNASLGGHLTHVLEGPDTNTTIIQLQPLQEPESWARTQ SGLQSYLLQFHGLVRLVHQERTLAFPLTIRCFLGCELPPEGSRAHVFFEVAVNGSSFVSFRPERALWQA DTQVTSGVVTFTLQQLNAYNRTRYELREFLEDTCVQYVQKHISAENTKGSQTSRSYTS 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000001111111111111111

>DM\_train1566 MKDDPKVHLEAKELWDQFHKRGTEMVITKSGRRMFPPFKVRCSGLDKKAKYILLMDIIAADDCRYKF HNSRWMVAGKADPEMPKRMYIHPDSPATGEQWMSKVVTFHKLKLTNNISDKHGFTILNSMHKYQP RFHIVRANDILKLPYSTFRTYLFPETEFIAVTAYQNDKITQLKIDNNPFAKGFRDTGNGRR 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000111111

>DM\_train1567 GMQTPALIIVTGHPATGKTTLSQALATGLRLPLLSKDAFKEVMFDGLGWSDREWSRRVGATAIMMLY HTAATILQSGQSLIMESNFRVDLDTERMQNLHTIAPFTPIQIRCVASGDVLVERILSRIAQGARHPGHC DDRSPADLELVRSRGDIPPLPLGGPLLTVDTTFPEQIDMNAIVQWVRQHLQSGTAFL 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000011111111000000000000 0000000000000000000000000000000000000000111

>DM\_train1568 TTHFTVADRWGNVVSYTTTIEQLFGTGIMVPDYGVILNNELTDFDAIPGGANEVQPNKRPLSSMTPTI LFKDDKPVLTVGSPGGATIISSVLQTILYHIEYGMELKAAVEEPRIYTNSMSSYRYEDGVPKDVLSKLNG MGHKFGTSPVDIGNVQSISIDHENGTFKGVADSSRNGAAIGINLKRKLEHHHHHH 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000011111111110000000000 0000000000000000000000000000000000011111111

>DM\_train1569 GMSLIEIRKRTLIVETTYHENGPAPAQPLKLAASCAVIRNPYAGRYEPDLMPFMAELRSLGTLLATELVD TLGKDNIEVYSKAAIVGVDGEMEHGAVWHEAGGWAMRSVLGEPKAMVPAVKAVATAGYRMMVP VHYIHASYVRSHFNSIEIGIQDAPRPREILFALVMGTGARVHARLGGLTKEAVSVHDGQR 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000

>DM\_train1570 MKDVSKNQEENISDTALTNELIHLLGHSRHDWMNKLQLIKGNLSLQKYDRVFEMIEEMVIDAKHESK LSNLKTPHLAFDFLTFNWKTHYMTLEYEVLGEIKDLSAYDQKLAKLMRKLFHLFDQAVSRESENHLTVS LQTDHPDRQLILYLDFHGAFADPSAFDDIRQNGYEDVDIMRFEITSHECLIEIGLD 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1571 MLEKVYVALIHYPIKGKDGSIISTAVTNLDVHDIARTARTYNLKGYYIVTNLRAQQDMVSKMLKFWRE GFGSRYNPSRAESLKLVKLKSYLEDVLEDIESVEGERPLIFFTSAKKRENDISFEEGRRIIIETEKPVLILLGTG WGLPDEILEISDYVLEPIRAQSDFNHLSVRAAAAIIIDRLIGENYARRD 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000001111

>DM\_train1572 GRGTKQVYIIHGYRASSTNHWFPWLKKRLLADGVQADILNMPNPLQPRLEDWLDTLSLYQHTLHEN TYLVAHSLGCPAILRFLEHLQLRAALGGIILVSGFAKSLPTLQMLDEFTQGSFDHQKIIESAKHRAVIASK DDQIVPFSFSKDLAQQIDAALYEVQHGGHFLEDEGFTSLPIVYDVLTSYFSKETR 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000111

>DM\_train1573 MVYPIRLYGDPVLRRKARPVEDFSGIKRLAEDMLETMFEAKGVGLAAPQIGLSQRLFVAVEYADEPEG EEERPLRELVRRVYVVANPVITYREGLVEGTEGCLSLPGLYSEEVPRAERIRVEYQDEEGRGRVLELEGY MARVFQHEIDHLDGILFFERLPKPKREAFLEANRAELVRFQKEARALLKELSQG 100000000000000000000000000000000000000000000000000000000000001111111111111 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000111111111

>DM\_train1574 GSPEFGTRDRMLVLVLGDLHIPHRCNSLPAKFKKLLVPGKIQHILCTGNLCTKESYDYLKTLAGDVHIVR GDFDENLNYPEQKVVTVGQFKIGLIHGHQVIPWGDMASLALLQRQFDVDILISGHTHKFEAFEHENK FYINPGSATGAYNALETNIIPSFVLMDIQASTVVTYVYQLIGDDVKVERIEYKKS 111111111100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000

>DM\_train1575 MYQDLIRNELNEAAETLANFLKDDANIHAIQRAAVLLADSFKAGGKVLSCGNGGSHCDAMHFAEEL TGRYRENRPGYPAIAISDVSHISCVGNDFGFNDIFSRYVEAVGREGDVLLGISTSGNSANVIKAIAAARE KGMKVITLTGKDGGKMAGTADIEIRVPHFGYADRIQEIHIKVIHILIQLIEKEMVK 000000000000000000000000000000000000000000000000000000000000000000000000000 000000011111111111111100000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000

>DM\_train1576 MGSDKIHHHHHHMVMEYELRTPLVKDQILKLKVGDVVYITGEIFTARDEAHARALEWMEEGKELPFSF DKGVVYHCGPLVKKNDEWRVVSAGPTTSARMNPFTPKILEKVECMGIIGKGGMSEEVVEAMRGKAA YFAFTGGAGALAAMSIKKVKGVVWEDLGMPEAVWLLEVERFGPCIVAIDAHGNSLYRR 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000

>DM\_train1577

MAPLGGAPRLVLLFSGKRKSGKDFVTEALQSRLGADVCAVLRLSGPLKEQYAQEHGLNFQRLLDTSTY KEAFRKDMIRWGEEKRQADPGFFCRKIVEGISQPIWLVSDTRRVSDIQWFREAYGAVTQTVRVVALE QSRQQRGWVFTPGVDDAESECGLDNFGDFDWVIENHGVEQRLEEQLENLIEFIRSRL 000000000000000000000000000000000000000000000000000000000000111111100000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000

>DM\_train1578 KVEQAVETEPEPELRQQTEWQSGQRWELALGRFWDYLRWVQTLSEQVQEELLSSQVTQELRALMD ETMKELKAYKSELEEQLTPVAEETRARLSKELQAAQARLGADMEDVCGRLVQYRGEVQAMLGQSTEE LRVRLASHLRKLRKRLLRDADALQKCLAVYQAGAREGAERGLSAIRERLGPLVEQGRVR 111111111111111111111100000000000000000000000000000000000000000000000000000 000000111111111100000000000000000000000000000000000000000000000000000000000 00000000000001111111111111111111111111111

>DM\_train1579 MILRTSEETISTVQEKQQNISPLVRERGPQRVAAHITGTRGRSNTLSSPNSKNEKALGRKINSWESSRS GHSFLSNLHLRNGELVIHEKGFYYIYSQTYFRFQEEIKENTKNDKQMVQYIYKYTSYPAPILLMKSARNS CWSKDAEYGLYSIYQGGIFELKENDRIFVSVTNEHLIDMDHEASFFGAFLVG 111111111111111111111111111110000000000011111111111000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000

>DM\_train1581 FPTIPLSRLADNAWLRADRLNQLAFDTYQEFEEAYIPKEQIHSFWWNPQTSLCPSESIPTPSNKEETQQ KSNLELLRISLLLIQSWLEPVQFLRSVFANSLVYGASDSNVYDLLKDLEEGIQTLMGRLEDGSPRTGQIF KQTYSKFDTNSHNDDALLKNYGLLYCFNKDMSKVSTYLRTVQCRSVEGSCGF 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000001111111111111111111111 11111000000000000000000000000000001110000

>DM\_train1582 GMTARNILSYSYEEYVEKITAFHGYPAPGVLIGGFMVDLAVKNLPEGILYDAICETRTCLPDAVQLLTPC TFGNGWLTVLPMGLFAVSLYDKFTGEGVRVFLDVEKMGPWQEIRNWFLKLKTKKEQDSERLFKEIREA GPDILELRNVKLKPGFLEKKHKGKIVLCPQCREAYPAQDGELCLSCQGGSPYL 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000011111100000000000000000000000 00000000000000000000000000000000000000000

>DM\_train1584 MVQAQTRDQIVAAADELFYRQGFAQTSFVDISAAVGISRGNFYYHFKTKDEILAEVIRLRLARTAQML ADWQGTGDSPRARIASFIDLMIMNRAKITRYGCPVGSLCTELSKLDHAAQGQANGLFTLFRDWLQR QFAEAGCTTEAPALAMHLLARSQGAATLAQSFHDEGFLRSEVADMHRWLDNTLPMTT 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000001

>DM\_train1585 GATDSATAAPAAAATTQVQKEAADVLQVAVQGANAMRDIQFARLALFHGQPDSAKKLTDDAAALL AADDASWAKFVKTDAKAKMIADRYVIINASIALSEDYVATPEKESAIQSANEKLAKGDQKGAIDTLRLA

GIGVIENQYLMPLNQTRKAVAQSQELLKAGKYYEANLVLKGAEEGIVVDSEMLVAGN 111111111111100000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000111

>DM\_train1586 MSRQANRGTESKKMSSELFTLTYGALVTQLCKDYENDEDVNKQLDKMGFNIGVRLIEDFLARSNVGR CHDFRETADVIAKVAFKMYLGITPSITNWSPAGDEFSLILENNPLVDFVELPDNHSSLIYSNLLCGVLRG ALEMVQMAVEAKFVQDTLKGDGVTEIRMRFIRRIEDNLPAGEEAAAWSHPQFEK 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000011111111111111111111

>DM\_train1587 MKVGIIMGSVRAKRVCPEIAAYVKRTIENSEELIDQKLKIQVVDLQQIALPLYEDDDELIPAQIKSVDEYA DSKTRSWSRIVNALDIIVFVTPQYNWGYPAALKNAIDRLYHEWHGKPALVVSYGGHGGSKCNDQLQ EVLHGLKMNVIGGVAVKIPVGTIPLPEDIVPQLSVHNEEILQLLASCIETTRNK 100000000000000000000000000000111111110000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000011111

>DM\_train1588 DEPNQPSTPEAVTKTVTIDASKYETWQYFSFSKGEVVNVTDYKNDLNWDMALHRYDVRLNCGESGK GKGGAVFSGKTEMDQATTVPTDGYTVDVLGRITVKYEMGPDGHQMEYEEQGFSEVITGKKNAQGF ASGGWLEFSHGPAGPTYKLSKRVFFVRGADGNIAKVQFTDYQDAELKKGVITFTYTYPVK 111111111000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000

>DM\_train1589 MGVSLSKGGNVSLTKEAPGLTAVIVGLGWDIRTTTGTDFDLDASALLLNSGGKVASDAHFIFFNNLKS PDGSVEHTGDNITGEGEGDDEQIKINLATVPADIEKIVFPVSIYDAENRQQSFGQVRNAFIRVVNQAG EAEIARYDLSEDASTETAMVFGELYRHGAEWKFRAIGQGYASGLRGIAQDFGVNV 111111111111000011000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000

>DM\_train1591 MSLTLADKVVYEEEIQKSRFIAKAAPVASEEEALAFLAENREPEATHNGHAYKIGLLYRFSDDGEPSGTA GRPILHAIEAQGLDRVAVLVVRYFGGVKLGAGGLVRAYGGVAAEALRRAPKVPLVERVGLAFLVPFAE VGRVYALLEARALKAEETYTPEGVRFALLLPKPEREGFLRALLDATRGQVALE 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000

>DM\_train1592 GAPEVSHVRGVTVRMETPEAILFSPGETFSTNVSIHAIAHDDQTYSMDVVWLRFDVPTSCAEMRIYES CLYHPQLPECLSPADAPCAASTWTSRLAVRSYAGCSRTNPPPRCSAEAHMEPVPGLAWQAASVNLE FRDASPQHSGLYLCVVYVNDHIHAWGHITISTAAQYRNAVVEQPLDIEGRGHHHHHH 111111100000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1593 GMQTTEIDLRLTEVSQQLTMVLVPGLRDSDDEHWQSHWERRFPHWQRIRQREWYQADLDRWVLA IRRELSVCTQPVILIGHSFGALAACHVVQQGQEGIAGVMLVAPAEPMRFEIDDRIQASPLSVPTLTFAS HNDPLMSFTRAQYWAQAWDSELVDVGEAGHINAEAGFGPWEYGLKRLAEFSEILIPNR 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000011

>DM\_train1594 MTSRGDSREKILHTASRLSQLQGYHATGLNQIVKESGAPKGSLYHFFPNGKEELAIEAVTYTGKIVEHLI QQSMDESSDPVEAIQLFIKKTASQFDNTESIKGIPVGLLASETALISEPLRTVCMKVFKSWEAVFARKLM ENGFAEEEANQLGTLINSMIEGGIMLSLTNKDKTPLLLIAEQIPVLVRKKG 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000111

>DM\_train1595 MENREPPLLPARWSSAYVSYWSPMLPDDQLTSGYCWFDYERDICRIDGLFNPWSERDTGYRLWMSE VGNAASGRTWKQKVAYGRERTALGEQLCERPLDDETGPFAELFLPRDVLRRLGARHIGRRVVLGREA DGWRYQRPGKGPSTLYLDAASGTPLRMVTGDEASRASLRDFPNVSEAEIPDAVFAAKR 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000011

>DM\_train1597 ADTLLILGDSLSAGYRMSASAAWPALLNDKWQSKTSVVNASISGDTSQQGLARLPALLKQHQPRWV LVELGGNDGLRGFQPQQTEQTLRQILQDVKAANAEPLLMQIRLPANYGRRYNEAFSAIYPKLAKEFD VPLLPFFMEEVYLKPQWMQDDGIHPNRDAQPFIADWMAKQLQPLVNHDSLEHHHHHH 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000011111111111

>DM\_train1598 MKYKEPFGVKLDFETGIIENAKKSVRRLSDMKGYFIDEEAWKKMVEEGDPVVYEVYAIEQEEKEGDLNF ATTVLYPGKVGNEFFMTKGHYHSKIDRAEVYFALKGKGGMLLQTPEGEARFIEMEPGTIVYVPPYWAH RTINTGDKPFIFLALYPADAGHDYGTIAEKGFSKIVVEENGKVVVKDNPKWRM 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000011111

>DM\_train1599 GMPTFNPELHAQTLNSERAYFVQPDADPAFTPHIGALVEMLTYARLTTLQAVEGLPEDQLWATAPGF ANSIGTLLAHIAAVERVYHVLSFQGRDVTPEDDGAAYWGLTMGKEGTAPARLPTLDELRAELADARA ETLRVFAAKDDAWLAEPLGPGWANQHWAWFHVMEDEVNHRGQLRLLRQVLAPEEGG 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000011111

>DM\_train1600 GMTSPSIESGARERTRRAILDAAMLVLADHPTAALGDIAAAAGVGRSTVHRYYPERTDLLRALARHVH DLSNAAIERADPTSGPVDAALRRVVESQLDLGPIVLFVYYEPSILADPELAAYFDIGDEAIVEVLNRASTE RPEYPPGWARRVFWALMQAGYEAAKDGMPRHQIVDAIMTSLTSGIITLPRT 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000001111100000000 0000000000000000000000000000000000000011

>DM\_train1601 MTNATIAPTTTAAPVTKSVDAPTADENTPLFSPSLISPDVLAVLPADYTIRPLCRSDYKRGYLDVLRVLT TVGDINEEQWNSRYEWIRARSDEYYLLVVCDGEGRIVGTGSLVVERKFIHSLGMVGHIEDIAVEKGQQ GKKLGLRIIQALDYVAEKVGCYKTILDCSEANEGFYIKCGFKRAGLEMAHYY 111111111111111111111111100000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000

>DM\_train1602 GDRFYDLISALHKSVRGSAPDAALYWYARILTAGGDPLYVARRLLAIASEDVGNADPRAMQVALAA WDCFTRVGAYEGERAIAQAIIYLSVAPKSNAVYTAFNTAKQQAKDLPDYDVPPHLRNAPTNLMKELG YGAEYRYAHDEPNAYAAGENYFPPELKDTQYYFPTNRGMEIQIKEKLERLREQDKST 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000001111111111111111111110 0000000000000000000000000000000000111111

>DM\_train1603 MATEGMILTNHDHQIRVGVLTVSDSCFRNLAEDRSGINLKDLVQDPSLLGGTISAYKIVPDEIEEIKETLI DWCDEKELNLILTTGGTGFAPRDVTPEATKEVIEREAPGMALAMLMGSLNVTPLGMLSRPVCGIRGKT LIINLPGSKKGSQECFQFILPALPHAIDLLRDAIVKVKEVHDRSHHHHHH 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000011111111

>DM\_train1604 GSHMVPISFVFNRFPRMVRDLAKKMNKEVNFIMRGEDTELDRTFVEEIGEPLLHLLRNAIDHGIEPKEE RIAKGKPPIGTLILSARHEGNNVVIEVEDDGRGIDKEKIIRKAIEKGLIDESKAATLSDQEILNFLFVPGFST KEKVSEVSGRGVGMDVVKNVVESLNGSISIESEKDKGTKVTIRLPLT 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000111111111 111000000000000000000000000000000000000

>DM\_train1605 MGSSSSGRENLYFQGHMNHSIPTLRTERLTLRPLAMADFPAYRDFMASPRSTGVGGPYDLPSTWGV FCHDLANWHFFGHGALMIDLGETGECIGQIGINHGPLFPEKELGWLLYEGHEGRGYAAEAAVALRD WAFETLNLPTLVSYVSPQNRKSAAVAERIGGTLDPLAPRSDPEDLVYRYHQVKTAGS 111111000000011111100000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000111111

>DM\_train1606 LERKEILFIPSENEKISKQFHLRYDIVRDRYIRVSDNNTNISGWENGVWKMESIFRKVEKDWNMVYLAR

KEGSSFAYISWKFECGSAGLKVDTVSIRTSSQSFESGSVRWKLRSETAQVNLLGDKNLRSYNDFSGATE VTLEAELSRGDGDVAWQHTQLFRQSLNDSGENGLEIIITFNDLLEHHHHHH 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000011111111

>DM\_train1608 MAFSVNYDSSFGGYSIHDYLGQWASTFGDVNHTNGNVTDANSGGFYGGSLSGSQYAISSTANQVT AFVAGGNLTYTLFNEPAHTLYGQLDSLSFGDGLSGGDTSPYSIQVPDVSFGGLNLSSLQAQGHDGVV HQVVYGLMSGDTGALETALNGILDDYGLSVNSTFDQVAAATAVGVQHADSPELLAA 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000011111111111111

>DM\_train1609 MANSGCKDVTGPDEESFLYFAYGSNLLTERIHLRNPSAAFFCVARLQDFKLDFGNSQGKTSQTWHG GIATIFQSPGDEVWGVVWKMNKSNLNSLDEQQGVKSGMYVVIEVKVATQEGKEITCRSYLMTNYES APPSPQYKKIICMGAKENGLPLEYQEKLKAIEPNDYTGKVSEEIEDIIKKGETQTL 111111111111100000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000111111

>DM\_train1610 GMNLDSYERTGLRVSLDLVNIATPGSRRGTPHTGGCVIEDLHDLLKDDPASVAQLGDDHVEGFVELA RLLHTAIDALSNGQVATAATALNHLLRKHPATPELAQDPDGTWRLHHHPLDAELVPMWTAICAEGL AREIGHQNVRRFGICNAHRCDRVYFDTSRNGTRQYCSLACQNRVKAAAFRERRAT 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000111

>DM\_train1611 MLGTSFNNFGISLSHKRYFSGKVDEIIRCTMGKRIVKISSTKINTSILSSVSEQIGENITDWKNDEKKVYVS RVVNQCIDKFCAEHSRKIGDNLRKQIFKQVEKDYRISLDINAAQSSINHLVSGSSYFKKKMDELCEGM NRSVKNDTTSNVANLISDQFFEKNVQYIDLKKLRGNMSDYITNLESPF 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000

>DM\_train1612 MGSDKIHHHHHHMFKGIIAALWDMDSIGEIEPDVVFLLKSDILNLKFHLKILKDRGKTVFVDMDFVNG LGEGEEAILFVKKAGADGIITIKPKNYVVAKKNGIPAVLRFFALDSKAVERGIEQIETLGVDVVEVLPGAV APKVARKIPGRTVIAAGLVETEEEAREILKHVSAISTSSRILWKMKFLP 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000001111

>DM\_train1613 MTAPSCAFPVQFRQPSVSGLSQITKSLYISNGVAANNKLMLSSNQITMVINVSVEVVNTLYEDIQYM QVPVADSPNSRLCDFFDPIADHIHSVEMKQGRTLLHCAAGVSRSAALCLAYLMKYHAMSLLDAHTW TKSCRPIIRPNSGFWEQLIHYEFQLFGKNTVHMVSSPVGMIPDIYEKEVRLMIPL

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>DM\_train1614 MADDDDKAPPTLWSRVTKFGSGWGFWVSPTVFITTTHVVPTGVKEFFGEPLSSIAIHQAGEFTQFRFS KKMRPDLTGMVLEEGCPEGTVCSVLIKRDSGELLPLAVRMGAIASMRIQGRLVHGQSGMLLTGANAK GMDLGTIPGDCGAPYVHKRGNDWVVCGVHAAATKSGNTVVCAVQAGEGETALE 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000111111111110000000000 00000000000000000000000000000000000000

>DM\_train1615 GMSRDRLYTWAGLWRSPSSSWEALRLEDDQAESQLRAPDERSGLPYQLDYRLRWDADWHLREAVF HVESETGVRKLHLLADGRGHWQDGDGEALPAFDGCLDIDIWPSPFTNTFPIRRLGLADGQRAEIRALY IEAPALEPRSMRQAYTRLDASHYLYENLEGSAFKAVLLVDEQGLVIDYPGLFQRL 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000

>DM\_train1616 KTFIIGISGVTNSGKTTLAKNLQKHLPNCSVISQDDFFKPESEIETDKNGFLQYDVLEALNMEKMMSAIS CWMESARHSVVSTDQESAEEIPILIIEGFLLFNYKPLDTIWNRSYFLTIPYEECKRRRSTRVYQPPDSPGY FDGHVWPMYLKYRQEMQDITWEVVYLDGTKSEEDLFLQVYEDLIQEL 000000000000000000000000000000000000000000000000000000000000000000000000000 000000001111100000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000

>DM\_train1617 MSKAGASLATCYGPVSADVMAKAENIRLLILDVDGVLSDGLIYMGNNGEELKAFNVRDGYGIRCALT SDIEVAIITGRKAKLVEDRCATLGITHLYQGQSNKLIAFSDLLEKLAIAPENVAYVGDDLIDWPVMEKVG LSVAVADAHPLLIPRADYVTRIAGGRGAVREVCDLLLLAQGKLDEAKGQSI 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000011111111

>DM\_train1618 AHHHHHHMVHITLDRNTANSWLIISKDRRQVRMGDTHQNVSDNKERFSNYPMVLGAQRFSSGKM YWEVDVTQKEAWDLGVCRDSVQRKGQFSLSPENGFWTIWLWQDSYEAGTSPQTTLHIQVPPCQIGI FVDYEAGVVSFYNITDHGSLIYTFSECVFAGPLRPFFNVGFNYSGGNAAPLKLCPLKM 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000011

>DM\_train1619 AAIGSCSKEYRVLLGQLQKQTDLMQDTSRLLDPYIRIQGLDVPKLREHCRERPGAFPSEETLRGLGRRG FLQTLNATLGCVLHRLADLEQRLPKAQDLERSGLNIEDLEKLQMARPNILGLRNNIYCMAQLLDNSDT AEPTKAGRGASQPPTPTPASDAFQRKLEGCRFLHGYHRFMHSVGRVFSKW 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000001111111111111111

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>DM\_train1620 MAFTEHSPLTPHRRDLCSRSIWLARKIRSDLTALTESYVKHQGLNKNINLDSADGMPVASTDQWSEL TEAERLQENLQAYRTFHVLLARLLEDQQVHFTPTEGDFHQAIHTLLLQVAAFAYQIEELMILLEYKIPRN EADGMPINVGDGGLFEKKLWGLKVLQELSQWTVRSIHDLRFISSHQTGIP 111111111110000000000000000000000000000000001111111111111111111110000000000 000000000000000000001111110000000000000000000000000000000000001111111111111 1110000000000000000000000000001111111

>DM\_train1621 MPIASYAQELKLALHQYPNFPSEGILFEDFLPIFRNPGLFQKLIDAFKLHLEEAFPEVKIDYIVGLESRGFLF GPTLALALGVGFVPVRKAGKLPGECFKATYEKEYGSDLFEIQKNAIPAGSNVIIVDDIIATGGSAAAAGE LVEQLEANLLEYNFVMELDFLKGRSKLNAPVFTLLNAQKEALKK 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000001111000000000000000000000000000000000000000000 0000000000000000000000000000111111111

>DM\_train1622 MYKILEIADVVKVPPEEFGKDLKETVKKILMEKYEGRLDKDVGFVLSIVDVKDIGEGKVVHGDGSAYHP VVFETLVYIPEMYELIEGEVVDVVEFGSFVRLGPLDGLIHVSQIMDDYVSYDPKREAIIGKETGKVLEIGD YVRARIVAISLKAERKRGSKIALTMRQPYLGKLEWIEEEKAKKQNQE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0111111100000000000000000000000111111

>DM\_train1624 GSDEDFVTCYSVLKFINANDGSRLHSHDVKYGSGSGQQSVTAVKNSDDINSHWQIFPALNAKCNRG DAIKCGDKIRLKHLTTGTFLHSHHFTAPLSKQHQEVSAFGSEAESDTGDDWTVICNGDEWLESEQFKL RHAVTGSYLSLSGQQFGRPIHGQREVVGTDSITGGSAWKVAEGIYIKHQQKDL 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000111111111

>DM\_train1625 VGYGDITQVETSGASSKTSRQDKLEYDGVRASHTMAQTDAGRMEKYKSFINNVAKKHVVDPAVIAAI ISRESRAGNVIFNTTPPGWGDNYNGFGLMQVDKRYHEPRGAWNSEEHIDQATGILVNFIQLIQKKFP SWSTEQQLKGAIAAYNTGDGRVESYESVDSRTTGKDYSNDVVARAQWYKKNGF 000000000000000000000000000000000000000000000000000000000000000000000000000 011111111111110000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000

>DM\_train1626 MSDSKEVPSLPFLRHLLEELDSHEDSLLLFLCHDAAPGCTTVTQALCSLSQQRKLTLAALVEMLYVLQR MDLLKSRFGLSKEGAEQLLGTSFLTRYRKLMVCVGEELDSSELRALRLFACNLNPSLSTALSESSRFVEL VLALENVGLVSPSSVSVLADMLRTLRRLDLCQQLVEYEQQEQARYRYC 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000

>DM\_train1627

GMSQTTVVNGVNVDQLMATIEQIKAKPEIAQFKFRATNQWMGGTHNQATIKDFYGACAEDDTRKP MVFDLDEPPVLLGENRGANPVEYLLVALSGCLTTSLVAHAAARGIALRGVKSRYEGDIDLRGFLGLSEE VPVGYREIRVFFSIDADLTDGQKEELIRMAQKYSPVYNTVAKPVPVAVLLDRG

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>DM\_train1628 INAGTDLDNPKDLEVSDPTETTLSLRWRRPVAKFDRYRLTYVSPSGKKNEMEIPVDSTSFILRGLDAGTE YTISLVAEKGRHKSKPTTIKGSTVVGSPKGISFSDITENSATVSWTPPRSRVDSYRVSYVPITGGTPNVVT VDGSKTRTKLVKLVPGVDYNVNIISVKGFEESEPISGILKTALDS 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000001111

>DM\_train1629 MAPVPPGEDSKDVAAPHRQPLTSSERIDKQIRYILDGISALRKETCNKSNMCESSKEALAENNLNLPK MAEKDGCFQSGFNEETCLVKIITGLLEFEVYLEYLQNRFESSEEQARAVQMSTKVLIQFLQKKAKNLDAI TTPDPTTNASLLTKLQAQNQWLQDMTTHLILRSFKEFLQSSLRALRQM 111111111111111111110000000000000000000000000000000001111111110000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000

>DM\_train1631 EKEMIERDMREYRGFSRAVRAVFEEKERFPGLVDVVSNLIEVDEKYSLAVSVLLGGTAQNIVVRNVDTA KAIVEFLKQNEAGRVTILPLDLIDGSFNRISGLENERGFVGYAVDLVKFPSDLEVLGGFLFGNSVVVETL DDAIRMKKKYRLNTRIATLDGELISGRGAITGGREERSSNVFERRIK 111111111111111100000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000011111111111111

>DM\_train1632 ASVTTPKGPGKSPDSPQWRQHQQDVRNLNQYQTRGAFAYISDQQKVYARFFWQQTGQDRYRLLL TNPLGSTELELNAQPGNVQLVDNKGQRYTADDAEEMIGKLTGMPIPLNSLRQWILGLPGDATDYKL DDQYRLSEITYSQNGKNWKVVYGGYDTKTQPAMPANMELTDGGQRIKLKMDNWIVK 111111111000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000

>DM\_train1633 KQGIVKSDPKLPDDTTFPLPPPRPKNVIFEDEEKSKMLARLLKSSHPEDLRAANKLIKEMVQEDQKRME KISKRVNAIEEVNNNVKLLTEMVMSHSQGGAAAGSSEDLMKELYQRCERMRPTLFRLASDTEDNDE ALAEILQANDNLTQVINLYKQLVRGEEVNGDATAGSIPGSTSALLDLSGLD 111111111111111111111111111111000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000111111111111111111111111

>DM\_train1634 MRKDETSNTSPDISVAQPASALRYHLRPPRRNDGAAIHQLVSECPPLDLNSLYAYLLLCEHHAHTCVV AESPGGRIDGFVSAYLLPTRPDVLFVWQVAVHSRARGHRLGRAMLGHILERQECRHVRHLETTVGPD

NQASRRTFAGLAGERGAHVSEQPFFDRQAFGGADHDDEMLLRIGPFTHPPH 111111111111111111111100000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000111100000000000000 000000000111111111111000000000000111

>DM\_train1635 KMDMEDADMTLWTEAEFEEKCTYIVNDHPWDSGADGGTSVQAEASLPRNLLFKYATNSEEVIGVM SKEYIPKGTRFGPLIGEIYTNDTVPKNANRKYFWRIYSRGELHHFIDGFNEEKSNWMRYVNPAHSPRE QNLAACQNGMNIYFYTIKPIPANQELLVWYCRDFAERLHYPYPGELTMMNLTQ 111111000000000000000000000001111111111000000000000000001000000000000000000 000000000000000111000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000

>DM\_train1636 GSHMQQWVDCEFTGRDFRDEDLSRLHTERAMFSECDFSGVNLAESQHRGSAFRNCTFERTTLWHS TFAQCSMLGSVFVACRLRPLTLDDVDFTLAVLGGNDLRGLNLTGCRLRETSLVDTDLRKCVLRGADLS GARTTGARLDDADLRGATVDPVLWRTASLVGARVDVDQAVAFAAAHGLCLAGG 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000011

>DM\_train1637 SLWQPQTGDIIFQISRSSQSKAIQLATHSDYSHTGMLVMRNKKPYVFEAVGPVKYTPLKQWIAHGEK GKYVVRRVEGGLSVEQQQKLAQTAKRYLGKPYDFSFSWSDDRQYCSEVVWKVYQNALGMRVGEQ QKLKEFDLSNPLVQAKLKERYGKNIPLEETVVSPQAVFDAPQLTTVAKEWPLFSW 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000001111

>DM\_train1638 GVSIRSMKNFYDWIKEFVRDQGEFIAQQSGWLELERSSYAKLIAQTISHVLNGGSLLVSADSSRHWFL NYILSNLNPKDLKERPLLSVIDFNASSFYPKNDANLSLATIEMTYQNPMFWHVGKIENEGLKTILLSKIPS FLWLFEELKEDCLLLKEHDSLLDYKLLQLFKLFENALFSVLYNKVTL 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000111000000000000000000000000000000000000000000000000 000000000000000000000000000000000000

>DM\_train1639 KKVVLGKKGDTVELTCTASQKKSIQFHWKNSNQIKILGNQGSFLTKGPSKLNDRADSRRSLWDQGNF PLIIKNLKIEDSDTYICEVEDQKEEVQLLVFGLTANSDTHLLQGQSLTLTLESPPGSSPSVQCRSPRGKNI QGGKTLSVSQLELQDSGTWTCTVLQNQKKVEFKIDIVVLAFQKASNT 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000001111

>DM\_train1640 MKFCSQCGGEVILRIPEGDTLPRYICPKCHTIHYQNPKVIVGCIPEWENKVLLCKRAIAPYRGKWTLPA GFMENNETLVQGAARETLEEANARVEIRELYAVYSLPHISQVYMLFRAKLLDLDFFPGIESLEVRLFGEQ EIPWNDIAFRVIHDPLKRYMEERHHGQPAFHLGIINKPQAGSNSNE 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1641 RKQPIGPEDVLGLQRITGDYLCSPEENIYKIDFVRFKIRDMDSGTVLFEIKKPPVSERLPINRRDLDPNAG RFVRYQFTPAFLRLRQVGATVEFTVGDKPVNNFRMIERHYFRNQLLKSFDFHFGFCIPSSKNTCEHIYD FPPLSEELISEMIRHPYETQSDSFYFVDDRLVMHNKADYSYSGTP 111000000000000000000000000000000000000000000000000001111111111111111100000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000001

>DM\_train1642 MQKVHVQYIDGETDQMLRQDDLDGYTDETIPYSTAEGIKKFEGDGYELFKDNFPAGEKFDNDDTND QFYTVIFKHHRENVDPNHSSADGTKGTKTLTETVHYKYANGTKAAEDQTAQVTFTRNGVLDDVTGIV AWGKWNEASQSYKALTSPTIAGYAPSEAVVKRSSNSDAEQGPTLTVIYTADA 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000001

>DM\_train1643 MKGKTAAGGGAICAIAVMITIVMGNGNVRTNQAGLELIGNAEGCRRDPYMCPAGVWTDGIGNTHG VTPGVRKTDQQIAADWEKNILIAERCINQHFRGKDMPDNAFSAMTSAAFNMGCNSLRTYYSKARG MRVETSIHKWAQKGEWVNMCNHLPDFVNSNGVPLRGLKIRREKERQLCLTGLVNE 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000

>DM\_train1645 ESSVNPVVLDFEDGTVMSFGEAWGDSLKCIKKVSVSQDLQRPGNKYALRLDVEFNPNNGWDQGDL GTWIGGVVEGQFDFTGYKSVEFEMFIPYDEFSKSQGGFAYKVVINDGWKELGSEFNITANAGKKVKIN GKDYTVIHKAFAIPEDFRTKKRAQLVFQFAGQNSNYKGPIYLDNVRIRPEDA 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000

>DM\_train1646 AGVLWDVPSPPPVGKAELEDGAYRIKQKGILGYSQIGAGVYKEGTFHTMWHVTRGAVLMHKGKRIEP SWADVKKDLISYGGGWKLEGEWKEGEEVQVLALEPGKNPRAVQTKPGLFKTNTGTIGAVSLDFSPGT SGSPIVDKKGKVVGLYGNGVVTRSGAYVSAIANTEKSIEDNPEIEDDIFRK 111111111111111110000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000111111111111111111

>DM\_train1648 AVPIAQKSEPHSLSSEALMRRAVSLVTDSTSTFLSQTTYALIEAITEYTKAVYTLTSLYRQYTSLLGKMNS EEEDEVWQVIIGARAEMTSKHQEYLKLETTWMTAVGLSEMAAEAAYQTGADQASITARNHIQLVKL QVEEVHQLSRKAETKLAEAQIEELKQKTQEEGEERAESEQEAYLRED 111111111110000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000

>DM\_train1649 MPKTLIILAHPNISQSTVHKHWSDAVRQHTDRFTVHELYAVYPQGKIDVAAEQKLIETHDSLVWQFPI YWFNCPPLLKQWLDEVLTYGWAYGSKGKALKGRKIALAVSLGAPAADYRADGAVGCSVAEVLRPFEL TAKYCNADYRPPFTFHTIDSNAGYSEAARQEVERSARDYLAWLDALQQT 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0011111110000000000000000000000011

>DM\_train1650 VNSDSHPLFVRSLAKNMTWQLADTSTQKVLASGASATSGDKQSLLMQSVNLSYQEDGRGFNWRA QAALSLSYLEPTPLDSKFSTGYLELKMRIDKAPEQGANLQVMCSESNCLRDIDFSSFSQLMADKSWHT LAIPLHCDDSDQAEQPITDALRITSQNLSLAIADVALTIKPSDDSISLTCAK 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000011111110000 0000000000000000000000000000000000

>DM\_train1651 MKYQLRFGGEGGQGVITAGEILAEAAIKEGRQAFKASTYTSQVRGGPTKVDIIIDDKEILFPYAVEGEVD FMLSTADKGYKGFRGGVKEGGIIVVEPNLVHPESEDYKKWQIFEIPIITIAKDEVGNVATQSVVALAIAA YMSKCIDLDVLKETMLHMVPAKTRDANAKAFDLGVKYATQAKPH 100000000011100000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000

>DM\_train1652 MTKAELRRRARAAWRRLDLKALSRAVGAALLPWLRERGFRHILLYHPLPHELNLLPLMEAYPARYYLP KVAGKGLTVHPFGPLAPGPFGLLEPTTPPEDPRVLDLVVVPGLAFDREGYRLGHGQGFYDRFLKEVRA ATVGVVPQALLFPALPRDPWDVPVDHLATEAGVEAVKRPAPGPGGLLD 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000111111100000000000000000000000000000000000000000000000000000000000 0000000000000000000000000111111111

>DM\_train1653 GPGSMEQPKGINILITGTPGTGKTSMAEMIAAELDGFQHLEVGKLVKENHFYTEYDTELDTHIIEEKDE DRLLDFMEPIMVSRGNHVVDYHSSELFPERWFHMVVVLHTSTEVLFERLTKRQYSEAKRAENMEAEI QCICEEEARDAYEDDIVLVRENDTLEQMAATVEEIRERVEVLKVERGL 111110000000000000000000000000000000000000000000000000111111000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000011111

>DM\_train1654 GSMLISHSDMNQQLKSAGIGFNATELHGFLSGLLCGGLKDQSWLPLLYQFSNDNHAYPTGLVQPVT ELYEQISQTLSDVEGFTFELGLTEDENVFTQADSLSDWANQFLLGIGLAQPELAKEKGEIGEAVDDLQD ICQLGYDEDDNEEELAEALEEIIEYVRTIAMLFYSHFNEGEIESKPVLH 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000011111111111

>DM\_train1655 NSRVSDLDLELLFQDRAARLGKSISRLIVVASLIDKPTNLGGLCRTCEVFGASVLVVGSLQCISDKQFQH

LSVSAEQWLPLVEVKPPQLIDYLQQKKTEGYTIIGVEQTAKSLDLTQYCFPEKSLLLLGNEREGIPANLIQ QLDVCVEIPQQGIIRSLNVHVSGALLIWEYTRQQLLSHGDTKP 111111111111111111111111100000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000011111

>DM\_train1656 GMLFSIQTCPCQINPALNAVSTPLLYQDCCQPYHDGLYNQEVEDSDAIRADTAEHLMRTRYSAFVLV KPEYIVKTTLPAQQDLLDIKAIENWAKETDWAGLEVVAHTPKLSKRHAQVEFKAYFKTPDGLQAHHEL STFVKIKNKANSDASWYFLDPTVSMSVTQKQPCICGSGEKFKRCCGMYI 100000000000000000000000000000000000000011111100000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000

>DM\_train1657 SNAMKIAVINGGTRSGGNTDVLAEKAVQGFDAEHIYLQKYPIQPIEDLRHAQGGFRPVQDDYDSIIERI LQCHILIFATPIYWFGMSGTLKLFIDRWSQTLRDPRFPDFKQQMSVKQAYVIAVGGDNPKIKGLPLIQ QFEHIFHFMGMSFKGYVLGEGNRPGDILRDHQALSAASRLLKRSDAI 111100000000000000000000000000000000011111111111111111111111000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000001

>DM\_train1658 GPGFDYAVAMAKRNIVTATTSKGEFTMLGVHDNVAILPTHASPGESIVIDGKEVEILDAKALEDQAGT NLEITIITLKRNEKFRDIRPHIPTQITETNDGVLIVNTSKYPNMYVPVGAVTEQGYLNLGGRQTARTLMY NFPTRAGQCGGVITCTGKVIGMHVGGNGSHGFAAALKRSYFTQSQ 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000111

>DM\_train1660 VGSADAPAPYRVSSDCMVCHGMTGRDTLYPIVPRLAGQHKSYMEAQLKAYKDHSRADQNGEIYM WPVAQALDSAKITALADYFNAQKPPMQSSGIKHAGAKEGKAIFNQGVTNEQIPACMECHGSDGQG AGPFPRLAGQRYGYIIQQLTYFHNGTRVNTLMNQIAKNITVAQMKDVAAYLSSL 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000

>DM\_train1661 GMDYNQTVLSHLQKFWKHHDIKGFTWTLGRIVEELPDFQVFQVIPNHEDEPWVYVSSGIGQFLGQE FFIISPFETPEHIETLAMLASASMHYPDQFQLGKTVNIGRPWVEQSSFRHFLISLPYPYGQELEYMDNVR FFWLLPITQTERLFLNTHSVEELETKFDEAGIDYLDINRASTVWQAG 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000001

>DM\_train1662 SNAMTRYALLVRGINVGGKNKVVMAELRQELTNLGLEKVESYINSGNIFFTSIDSKAQLVEKLETFFAV HYPFIQSFSLLSLEDFEAELENLPAWWSRDLARKDFLFYTEGLDVDQVIATVESLELKDEVLYFGKLGIF WGKFSEESYSKTAYHKYLLKVPFYRHITIRNAKTFDKIGQMLKK

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>DM\_train1663 MQRCDWVSQDPLYIAYHDNEWGVPETDSRKLFEMICLEGQQAGLSWITVLKKRENYRACFHQFDPI RIAAMQEEDVERLLQNTGIIRHRGKIQAIISNARAWLAMEQNGESFADFVWSFVDGQPQITQAASLD KIPTSTPASDALAKALKKRGFKFVGTTICYSFMQACGLVNDHITGCFCHP 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000

>DM\_train1664 TPMRSPIIWINGPFGVGKTHTAHTLHERLPGSFVFEPEEMGQALRKLTPGFSGDPQEHPMWIPLMLD ALQYASREAAGPLIVPVSISDTARHRRLMSGLKDRGLSVHHFTLIAPLNVVLERLRRDGQPQVNVGTV EDRLNELRGEQFQTHIDTAGLGTQQVAEQIAAQVGLTLAPPPQGALHW 111100000000001111000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000001111000000000000000000000 000000000000000000000000001111111

>DM\_train1666 MSLTDVMFKSQIANQLKNLRKSRGLSLDATAQLTGVSKAMLGQIERGESSPTIATLWKIASGLEASFSA FFANDPQLLSSERSFPDDLNMKIHTLFPYAADTGLEIFEITLLDHHQQMSSPHALGVIEYIHVLEGIMKV FFDEQWHELQQGEHIRFFSDQPHGYAAVTEKAVFQNIVAYPRR 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000001

>DM\_train1667 MALTATVRRAELQISDMDRGYYANHSLTLAQHPSETDERLMVRLLAFALFADDRLEFGRGLSNDDEP DLWRRDYTGDPDLWIDLGQPDESRVRKACNRSREAVVIGYGGQATETWWKKHANAMGRYRNLRV IELDSQATEALGALIQRGMRFDVIIQDGEVQMLADHGSVTLTPMVRQAPAE 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000011

>DM\_train1668 QKPQRPRRPASPISTIQPKANFDAQQFAGTWLLVAVGSAARFLQEQGHRAEATTLHVAPQGTAMA VSTFRKLDGICWQVRQLWGDTGVLGRFLLQARGARGAVHVVVAETDYQSFAVLYLERAGQLSVKLY ARSLPVSDSVLSGFEQRVQEAHLTEDQIFYFPKYGFCEAADQFHVLDEVRR 111111111000000000000000000000000000000001111111000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000011

>DM\_train1669 AGLKLMGAPVKLTVSQGQPVKLNCSVEGMEEPDIQWVKDGAVVQNLDQLYIPVSEQHWIGFLSLKS VERSDAGRYWCQVEDGGETEISQPVWLTVEGVPFFTVEPKDLAVPPNAPFQLSCEAVGPPEPVTIVW WRGTTKIGGPAPSPSVLNVTGVTQSTMFSCEAHNLKGLASSRTATVHLQ 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1670 ELPSLCMLNNSFYYMKGGANIFLIRVSDVSVLMKEYDVSVYEPEDLGNCLNKSDSSWAIHWFSIALGH DWLMDPPMLCRNKTKKEGSNIQFNISKADESRVYGKKIRNGMRHLFRGFYDPCEEGKVCYVTINQC GDPSSFEYCGTNYLSKCQFDHVNTLHFLVRSKTHLNFGTGTKHHHHHH 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00011111111111111111111111111111

>DM\_train1671 GPAAGQAYDAGNLDVASSPVKPTLSITKKTLTAAEAPNAKVTMELSVEGAADKYAATGLHIQFDPKLK LIPDEDGALATAGRAARLLELKKAEADTDNSFFTATGSSTNNGKDGVLWSFVLQVPADAQPGDKYD VQVAYQSRTTNEDLFTNVKKDEEGLLMQAWTFTQGIEQGYIQVESTTS 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000111

>DM\_train1672 GSCRRAFDLYFVLDKSGSVANNWIEIYNFVQQLAERFVSPEMRLSFIVFSSQATIILPLTGDRGKISKGLE DLKRVSPVGETYIHEGLKLANEQIQKAGGLKTSSIIIALTDGKLDGLVPSYAEKEAKISRSLGASVYCVGV LDFEQAQLERIADSKEQVFPVKGGFQALKGIINSILAQSC 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000

>DM\_train1673 MHTQVHTARLVHTADLDSETRQDIRQMVTGAFAGDFTETDWEHTLGGMHALIWHHGAIIAHAAVI QRRLIYRGNALRCGYVEGVAVRADWRGQRLVSALLDAVEQVMRGAYQLGALSSSARARRLYASRG WLPWHGPTSVLAPTGPVRTPDDDGTVFVLPIDISLDTSAELMCDWRAGDVW 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000

>DM\_train1674 GGSNTNWKTLYEVKSENLGQGDKPDYFSSVATVVYLRKENCMYQACPTQDCNKKVIDQQNGLYRC EKCDTEFPNFKYRMILSVNIADFQENQWVTCFQESAEAILGQNAAYLGELKDKNEQAFEEVFQNANF RSFIFRVRVKVETYNDESRIKATVMDVKPVDYREYGRRLVMSIRRSALM 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000111111 1000000000000000000000000000000

>DM\_train1675 MSKIICLTAGHSNTDPGAVNGSDREADLAQDMRNIVASILRNDYGLTVKTDGTGKGNMPLRDAVKLI RGSDVAIEFHTNAAANKTATGIEALSTPKNKRWCQVLGKAVAKKTGWKLRGEDGFKPDNAGQHSRL AYAQAGGIVFEPFFISNDTDLALFKTTKWGICRAIADAIAMELGAAKV 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000

>DM\_train1676

MGSDKIHHHHHHMTENSRKTATELFEFLDGLGISHTTKQHEPVFTVAESQSLRDLIPGGHTKNLFVKD KKDQYFVLTVEENAVVDLKSVHKTIGAASRVSFGRPEKMLEYLGVVPGSVTVFGAINDTARQVTFVLD SDLLENELVNGHPLSNDQTTTIASKDLIRFLEATGHAPLVLKVSE

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>DM\_train1677 NQKCSGNPRRYNGKSCASTTNYHDSHKGACGCGPASGDAQFGWNAGSFVAAASQMYFDSGNKG WCGQHCGQCIKLTTTGGYVPGQGGPVREGLSKTFMITNLCPNIYPNQDWCNQGSQYGGHNKYGY ELHLDLENGRSQVTGMGWNNPETTWEVVNCDSEHNHDHRTPSNSMYGQCQCAHQ 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000001

>DM\_train1678 MAGSREVVAMDCEMVGLGPHRESGLARCSLVNVHGAVLYDKFIRPEGEITDYRTRVSGVTPQHMVG ATPFAVARLEILQLLKGKLVVGHDLKHDFQALKEDMSGYTIYDTSTDRLLWREAKLDHCRRVSLRVLSE RLLHKSIQNSLLGHSSVEDARATMELYQISQRIRARRGLPRLAVSD 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000001111100000000000000000000000 0000000000000000000000000000111

>DM\_train1679 RIAISNSNRTRSVPSLTTIWSISPTPNCSIYETQDANLFLCLTKNGAHVLGTITIKGLKGALREMHDNALS LKLPFDNQGNLLNCALESSTWRYQETNAVASNALTFMPNSTVYPRNKTAHPGNMLIQISPNITFSVV YNEINSGYAFTFKWSAEPGKPFHPPTAVFCYITEQGSHHHHHH 111111111111110000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000111111111111000000000000000000 0000000000000000000000001111111

>DM\_train1680 MELEIRPLFLVPDTNGFIDHLASLARLLESRKYILVVPLIVINELDGLAKGQETDHRAGGYARVVQEKAR KSIEFLEQRFESRDSCLRALTSRGNELESIAFRSEDITGQLGNNDDLILSCCLHYCKDKAKDFMPASKEEP IRLLREVVLLTDDRNLRVKALTRNVPVRDIPAFLTWAQVG 000000000000000000000000000000000000000000000000000111111000000000000000000 000000000000000000000000000000011111100000000000000000000000111110000000000 0000000000000000000000000000001

>DM\_train1681 HQYLLPEAKAQDSDKICVVINLDETLVHSSFKPVNNADFIIPVEIDGVVHQVYVLKRPHVDEFLQRMG ELFECVLFTASLAKYADPVADLLDKWGAFRARLFRESCVFHRGNYVKDLSRLGRDLRRVLILDNSPASY VFHPDNAVPVASWFDNMSDTELHDLLPFFEQLSRVDDVYSVLRQ 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000

>DM\_train1682 SLKVLAITGYKPFELGIFKQDDKALYYIKKAIKNRLIAFLDEGLEWILISGQLGVELWAAEAAYDLQEEYP DLKVAVITPFYEQEKNWKEPNKEQYEAVLAQADYEASLTHRPYESPLQFKQKNQFFIDKSDGLLLLYD

PEKEGSPKYMLGTAEKRREQDGYPIYFITMDDLRVTVEEDSY 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000111

>DM\_train1683 MKKWRFLGIDDSFDDRKCCVVGCVTCGGYVEGFLYTEIDIDGLDATDKLISMVRRSKFREQIKCIFLPGI TLGGFNLVDIQRVYRETKIPVVVVMRRKPDMEEFDSAMRNLENYELRRKIVEVAGEIHRIGDIYIQTAGL TPSEAEKLVKASLIKGNMPEPVRISHLVASAIIHGESRGKA 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000111111

>DM\_train1684 CAVSSFRVKENFDKARFSGTWYAMAKKDPEGLFLQDNIVAEFSVDETGQMSATAKGRVRLLNNWD VCADMVGTFTDTEDPAKFKMKYWGVASFLQKGNDDHWIVDTDYDTYAVQYSCRLLNLDGTCADS YSFVFSRDPNGLPPEAQKIVAQRQEELCLAAQYRLIVHNGYCDGRSERNLL 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000111111111

>DM\_train1685 MRGSHHHHHHGSITSGNKSTNVTVHKSEAGTSSVFYYKTGDMLPEDTTHVRWFLNINNEKSYVSKDI TIKDQIQGGQQLDLSTLNINVTGTHSNYYSGQSAITDFEKAFPGSKITVDNTKNTIDVTIPQGYGSYNS FSINYKTKITNEQQKEFVNNSQAWYQEHGKEEVNGKSFNHTVHN 111111111111111111111111111111000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000

>DM\_train1686 APLAYERPVLHLVALNTPVAGDIRADFQCFQQARAAGLLSTFRAFLSSHLQDLSTVVRKAERFGLPIVN LKGQVLFNNWDSIFSGDGGQFNTHIPIYSFDGRDVMTDPSWPQKVVWHGSNPHGVRLVDKYCEA WRTTDMAVTGFASPLSTGKILDQKAYSCANRLIVLCIENSFMTDTRK 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000111111

>DM\_train1687 MSVKMKKCSREDLQTLQQLSIETFNDTFKEQNSPENMKAYLESAFNTEQLEKELSNMSSQFFFIYFDH EIAGYVKVNIDDAQSEEMGAESLEIERIYIKNSFQKHGLGKHLLNKAIEIALERNKKNIWLGVWEKNEN AIAFYKKMGFVQTGAHSFYMGDEEQTDLIMAKTLILEHHHHHH 100000000000000000000000001111111100000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000111

>DM\_train1688 GSHMENMGTRVIEPLIMGRVVGDVLDFFTPTTKMNVSYNKKQVSNGHELFPSSVSSKPRVEIHGGDL RSFFTLVMIDPDVPGPSDPFLKEHLHWIVTNIPGTTDATFGKEVVSYELPRPSIGIHRFVFVLFRQKQRR VIFPNIPSRDHFNTRKFAVEYDLGLPVAAVFFNAQRETAARKR 111111111000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1689 VMLTRQQKELIVKEMSEIFKKTSLILFADFLGFTVADLTELRSRLREKYGDGARFRVVKNTLLNLALKNAE YEGYEEFLKGPTAVLYVTEGDPVEAVKIIYNFYKDKKADLSRLKGGFLEGKKFTAEEVENIAKLPSKEELYA MLVGRVKAPITGLVFALSGILRNLVYVLNAIKEKKSE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000011

>DM\_train1690 MGSSSSGLVPRGSGAVSGSVQASDRLMKELRDIYRSQSYKTGIYSVELINDSLYDWHVKLQKVDPDS PLHSDLQILKEKEGIEYILLNFSFKDNFPFDPPFVRVVLPVLSGGYVLGGGALCMELLTKQGWSSAYSIES VIMQINATLVKGKARVQFGANKNQYNLARAQQSYNSIVQIHE 111111111111111110000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000011111111111111111111111

>DM\_train1691 GSSGSSGMANERMNLMNMAKLSIKGLIESALNLGRTLDSDYAPLQQFFVVMEHCLKHGLKAKKTFL GQNKSFWGPLELVEKLVPEAAEITASVKDLPGLKTPVGRGRAWLRLALMQKKLSEYMKALINKKELLSE FYEVNALMMEEEGAIIAGLLVGLNVIDANFCMKGEDLDSQVGVID 111111100000000000000000000000000000000000000000000000000000011111110000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000001111

>DM\_train1692 MEQRRLASTEWVDIVNEENEVIAQASREQMRAQCLRHRATYIVVHDGMGKILVQRRTETKDFLPGM LDATAGGVVQADEQLLESARREAEEELGIAGVPFAEHGQFYFEDKNCRVWGALFSCVSHGPFALQED EVSEVCWLTPEEITARCDEFTPDSLKALALWMKRNAKNEAVETETAE 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000111111111111

>DM\_train1693 GAPRSHEVPLLVTLEELYLGKRKKIKVTRKRFIEHKVRNEENIVEVEIKPGWKDGTKLTYSGEGDQESPGT SPGDLVLIIQTKTHPRFTRDDCHLIMKVTIPLVRALTGFTCPVTTLDNRNLQIPIKEIVNPKTRKIVPNEG MPIKNQPGQKGDLILEFDICFPKSLTPEQKKLIKEALD 111111000000000000000000000001111111111000000000000000000000000000000000000 000000000000000000000000000000000000000000010000000000000000000100000000000 000000000000000000000000000001

>DM\_train1694 GMFADNTLTPKEAVRLCALGTIASQPMRYSELAGSVRHFTSRIMGPSLELMGISIELLRYEGLVEAVDD GQGMEDDAMLAISAAGRRELHSLLTARLRPGSDLSKLVVALKMRFLGLMEAEERAHQIDLLIEGVDSE LARLADLRGSDGEGGSALAAWLDHDMALLESRLAWLEDFRARL 111111000000000000000000000000000000000000000000000000000000000000011111111 000000000000000000000000000000000000000000000000000000000000000000000001100 000000000000000000000000000000

>DM\_train1695 EVYALEESRDVYLSDLDWLNATHGDDTKSKIVQKNHPFTPGNNNQSTKISLKMEDGSISEFEKGLGTI AGSPSTITYDISGAGVTKFFSYLGIDRSANPINEQYAKVDKIEVVVDGKVIYSTINQFPNGLTYETPAIKV DLNIPENAKRLQLKSYAGEKTWGDEVVYADAKFTAKGDFVN 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000011

>DM\_train1697 AAQGKEVVLLDFAAAGGELGWLTHPYGKGWDLMQNIMNDMPIYMYSVCNVMSGDQDNWLRTN WVYRGEAERIFIELKFTVRDCNSFPGGASSCKETFNLYYAESDLDYGTNFQKRLFTKIDTIAPDEITVSSD FEARHVKLNVEERSVGPLTRKGFYLAFQDIGACVALLSVRVYYKKCP 111100000000000111000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000111111111110000000000000 000000000000000000000000000011

>DM\_train1698 RSRLTADEYLKIYQAAESSPCWLRLAMELAVVTGQRVGDLCEMKWSDIVDGYLYVEQSKTGVKIAIPT ALHIDALGISMKETLDKCKEILGGETIIASTRREPLSSGTVSRYFMRARKASGLSFEGDPPTFHELRSLSAR LYEKQISDKFAQHLLGHKSDTMASQFRDDRGREWDKIEI 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000111111111111111000000

>DM\_train1699 MAAGQNGHEEWVGSAYLFVESSLDKVVLSDAYAHPQQKVAVYRALQAALAESGGSPDVLQMLKIH RSDPQLIVQLRFCGRQPCGRFLRAYREGALRAALQRSLAAALAQHSVPLQLELRAGAERLDALLADEE RCLSCILAQQPDRLRDEELAELEDALRNLKCGSGARGGDGEVASAP 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000011111111111111

>DM\_train1701 SADVAGAVIDGASLSFDILKTVLEALGNVKRKIAVGVDNESGKTWTALNTYFRSGTSDIVLPHKVPHGK ALLYNGQKDRGPVATGAVGVLAYLMSDGNTLAVLFSVPYDYNWYSNWWNVRIYKGKRRADQRMY EELYYNLSPFRGDNGWHTRNLGYGLKSRGFMNSSGHAILEIHVSKA 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000

>DM\_train1702 MASNEARYVLAEEVDFSSPEEVKNWWNSGTWQAEFGSPDIEWNGEVGNGALQLNVKLPGKSDWE EVRVARKFERLSECEILEYDIYIPNVEGLKGRLRPYAVLNPGWVKIGLDMNNANVESAEIITFGGKEYRR FHVRIEFDRTAGVKELHIGVVGDHLRYDGPIFIDNVRLYKRTGGM 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000111

>DM\_train1703 MSEHFVGKYEVELKFRVMDLTTLHEQLVAQKATAFTLNNHEKDIYLDANGQDLAKQQISMVLREMN

PSGIRLWIVKGPGAERCEASNIEDVSKVQSMLATLGYHPAFTIEKQRSIYFVGKFHITVDHLTGLGDFAE IAIMTDDATELDKLKAECRDFANTFGLQVDQQEPRSYRQLLGF 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000

>DM\_train1704 MAEEYSWDSYLNDRLLATNQVSGAGLASEEDGVVYACVAQGEESDPNFDKWSLFYKEDYDIEVEDE NGTKTTKTINEGQTILVVFNEGYAPDGVWLGGTKYQFINIERDLEFEGYNFDVATCAKLKGGLHLVKV PGGNILVVLYDEEKEQDRGNSKIAALTFAKELAESSQLQHHHHHH 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000001111111111

>DM\_train1705 ASWSHPQFEKGAMALTEAWLIEKANRKLNAGGMYKITSDKTRNVIKKMAKEGIYLCVAQGYRSTAEQ NALYAQGRTKPGAIVTNAKGGQSNHNYGVAVDLCLYTNDGKDVIWESTTSRWKKVVAAMKAEGFK WGGDWKSFKDYPHFELCDAVSGEKIPAATQNTNTNSNRYEGKVIDSA 111111111110000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000001111111111111111111

>DM\_train1706 HHHHHHLAYSLDATASFLNFVSSKKTHVLETHRFDVLSGGISTAGEAQLVIDLNSVNTGIDVRNGRM RDYLFETATYSVATVTVPVDLAAVAGLAVGEDMLVDVSATLDLHGVPGVIDTQLNVQRLSATRIMVQ NQSPLLIKAADYSLEAGIETLRNLASLNVISTTVPVDFVLFYEAP 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000

>DM\_train1707 MVEIIPVSTTLELRAADESHVPALHQLVLKNKAWLQQSLDWPQYVTSQEETRKHVQGNILLHQRGYA KMYLIFCQNEMAGVLSFNAIEPINKAAYIGYWLDESFQGQGIMSQSLQALMTHYARRGDIRRFVIKCR VDNQASNAVARRNHFTLEGCMKQAEYLNGDYHDVNMYARIIDAD 110000000000000000000000000000011111111111111111110000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000

>DM\_train1708 MISYEFQTHLPKGKDSSLNASSENKELYVQATHFNNTILLQIRLNGEMDSTYEVSSKGLNPILDINVPLA GNLGNTGGDYDDEEEEFVRDHLSDYQVVTKLGDSADPKVPVVCVQIAELYRRVILPEVSGTMAQDN MQFSLLISMSSKIWRATKEQSADDNDFGKLVFVLKCIKDMYAK 000000000000111111111100000000000000000000000000000000000001111111111111111 111100000000000000000000000000000000000000000000000011111111110000000000000 11111100000000000000000000001

>DM\_train1709 GGGVTFCGGEPLLHPEFLIDILKRCGQQGIHRAVDTTLLARKETVDEVMRNCELLLIDLKSMDSTVHQT FCDVPNELILKNIRRVAEADFPYYIRIPLIEGVNADEKNIKLSAEFLASLPRHPEIINLLPYHDIGKGKHAKL GSIYNPKGYKMQTPSEEVQQQCIQILTDYGLKATIGG

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>DM\_train1710 MEDSCVLRGVMINKDVTHPRMRRYIKNPRIVLLDSSLEYKKGESQTDIEITREEDFTRILQMEEEYIHQL CEDIIQLKPDVVITEKGISDLAQHYLMRANVTAIRRVRKTDNNRIARACGARIVSRPEELREDDVGTGA GLLEIKKIGDEYFTFITDCKDPKACTILLRGASHHHHHH 111111100000000000000000000000000000000111111111111111111111111100000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000011111111111

>DM\_train1711 MPAYHSSLMDPDTKLIGNMALLPIRSQFKGPAPRETKDTDIVDEAIYYFKANVFFKNYEIKNEADRTLIY ITLYISECLKKLQKCNSKSQGEKEMYTLGITNFPIPGEPGFPLNAIYAKPANKQEDEVMRAYLQQLRQET GLRLCEKVFDPQNDKPSKWWTCFVKRQFMNKSLSGPGQ 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000111

>DM\_train1713 GMARKVILFIAMSIDNYIADDQGAVDWLEKNVHGTESDDSYEKMYSKIDTVIMGRTTYEQVTQKLSP EKYVYADRQTYIVTSHLGEDTDKIKYWKQSPVELVKRIQKEKGKDVWIVGGAKIIDPLVQANLIDTYILT TVPIFLGSGIRLFDRLEEQVPVRLIDVYQKNELVYSIYQRG 110000000000000000000000000000000000000000000000000000000000000011110000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000

>DM\_train1714 ADFTETFESSTHGEAPAEWTTIDADGDGQGWLCLSSGQLDWLTAHGGSNVVSSFSWNGMALNPD NYLISKDVTGATKVKYYYAVNDGFPGDHYAVMISKTGTNAGDFTVVFEETPNGINKGGARFGLSTEA NGAKPQSVWIERTVDLPAGTKYVAFRHYNCSDLNYILLDDIQFTMGG 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000011100000000000000000 0000000000000000000000000011

>DM\_train1715 SKPRILLMGLRRSGKSSIQKVVFHKMSPNETLFLESTNKIYKDDISNSSFVNFQIWDFPGQMDFFDPTF DYEMIFRGTGALIYVIDAQDDYMEALTRLHITVSKAYKVNPDMNFEVFIHKVDGLSDDHKIETQRDIH QRANDDLADAGLEKLHLSFYLTSIYDHSIFEAFSKVVQKLI 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000

>DM\_train1716 MASAVGEKMLDDFEGVLNWGSYSGEGAKVSTKIVSGKTGNGMEVSYTGTTDGYWGTVYSLPDGD WSKWLKISFDIKSVDGSANEIRFMIAEKSINGVGDGEHWVYSITPDSSWKTIEIPFSSFRRRLDYQPPGQ DMSGTLDLDNIDSIHFMYANNKSGKFVVDNIKLIGALEHHHHHH 110000000000000000000000000000000000000000000000000000000000000000000000000 000111000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1718 MKWNLDPSHTSIDFKVRHMGIASVRGSLKVLSGSVETDEAGRPIQVEAVIDAASIATGEPQRDGHLRS ADFLHAEQYPEIRFVSTQIEPLGGNRYRIQGNLTIRDITKPVTLEAEVSAPIKDPWGMQRVAASASGQI NRKDWNLTWNQVLELGALLVGEEVKFNLEVEAVAPAPVAAQ 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000011

>DM\_train1719 EAEASAVTVDTICKNGQLVQMSNHFKCMCNEGLVHLSENTCEEKNECKKETLGKACGEFGQCIENP DPAQVNMYKCGCIEGYTLKEDTCVLDVCQYKNCGESGECIVEYLSEIQSAGCSCAIGKVPNPEDEKKC TKTGETACQLKCNTDNEVCKNVEGVYKCQCMEGFTFDKEKNVCL 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000

>DM\_train1720 PLGSQYFLKVLIPSYAAGSIIGKGGQTIVQLQKETGATIKLSKSKDFYPGTTERVCLIQGTIEALNAVHGFI AEKIREMPQNVAKTEPVSILQPQTTVNPDRANQVKIIVPNSTAGLIIGKGGATVKAIMEQSGAWVQLS QKPDGINLQNRVVTVSGEPEQNRKAVELIIQKIQEDPQ 110000000000000000000000000000000000000000000000000000000000000000000000000 000000011111111111111111000000000000000000000000000000000000000000001111000 0000000000000000000000000000

>DM\_train1721 MTSVNLSYPIGEYKPRESISKEQKDKWIQVLEEVPAKLKQAVEVMTDSQLDTPYRDGGWTVRQVVH HLADSHMNSYIRFKLSLTEETPAIRPYDEKAWSELKDSKTADPSGSLALLQELHGRWTALLRTLTDQQF KRGFYHPDTKEIITLENALGLYVWHSHHHIAHITELSRRMGWS 111111111000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000

>DM\_train1722 APLVHHHHHHALANPAICRYPLGMSGGQIPDEDITASSQWSESTAAKYGRLDSEEGDGAWCPEIPV EPDDLKEFLQIDLHTLHFITLVGTQGRHAGGHGIEFAPMYKINYSRDGTRWISWRNRHGKQVLDGNS NPYDIFLKDLEPPIVARFVRFIPVTDHSMNVCMRVELYGCVWLDG 111111111111100000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000001

>DM\_train1723 MLAKVLKKRGAVLRGDFVLSSGRRSSVYIDMRRLLGDESSYSVALDLLLEVGGQDLARSSAVIGVATG GLPWAAMLALRLSKPLGYVRPERKGHGTLSQVEGDPPKGRVVVVDDVATTGTSIAKSIEVLRSNGYTV GTALVLVDRGEGAGELLARMGVRLVSVATLKTILEKLGWGGE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000011111111100000000000000000000000000000000000000000000000000000 0000000000000000000000000111

>DM\_train1725

AVSFIGSTENDVGPSLGSYSRTHAMDNLPFVYDTRNKIGYQNANVWHISKGFCVGLDGKVDLPVVG SLDGQSIYGLTEEVGLLIWMGDTKYSRGTAMSGNSWENVFSGWCVGANTASTQGLSVRVTPVILKR NSSARYSVQKTSIGSIRMRPYNGSSAGSVQTTVNFSLNPFTLNDT

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>DM\_train1726 MSIEKLKAALPEYAKDIKLNLSSITRSSVLDQEQLWGTLLASAAATRNPQVLADIGAEATDHLSAAARH AALGAAAIMGMNNVFYRGRGFLEGRYDDLRPGLRMNIIANPGIPKANFELWSFAVSAINGCSQCLVA HEHTLRTVGVDREAIFEALKAAAIVSGVAQALATIEALSPS 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000111111

>DM\_train1727 GKSRQRSPANCPTIKLKRQWGGKPSLGLHYQVRPIRYVVIHHTVTGECSGLLKCAEILQNMQAYHQN ELDFNDISYNFLIGNDGIVYEGTGWGLRGAHTYGYNAIGTGIAFIGNFVDKLPSDAALQAAKDLLACG VQQGELSEDYALIAGSQVISTQSPGLTLYNEIQEWPHWLSNP 111111111100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000

>DM\_train1728 MLDAFSRVVTNADSKAAYVGGADLQALKKFISEGNKRLDSVNSIVSNASCIVSDAVSGMICENPSLIS PSGNCYTNRRMAACLRDGEIILRYVSYALLSGDASVLEDRCLNGLKETYSSLGVPANSNARAVSIMKA CAVAFVNNTASQKKLSTPQGDCSGLASEVGGYFDKVTAAIS 110000000010000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000

>DM\_train1729 IIAMEKFAEYALSFGTEILTVEYGPLPIGKIVSEEINCSVYSVDPEGRVYTQAIAQWHDRGEQEVLEYELE DGSVIRATSDHRFLTTDYQLLAIEEIFARQLDLLTLENIKQTEEALDNHRLPFPLLDAGTIKMVKVIGRRS LGVQRIFDIGLPQDHNFLLANGAIAAACFNISTGP 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000111111111100000000000000000000000000000000 000000000000000000000011111

>DM\_train1730 MGHHHHHHSHPVETSKFKFKCYGDFWLSVNRIYPEKRIELQLEVFKKLQDEKLYIVGWFSKGDHAERY ARKIMKIAPDNVKFLGSVSEEELIDLYSRCKGLLCTAKDEDFGLTPIEAMASGKPVIAVNEGGFKETVINE KTGYLVNADVNEIIDAMKKVSKNPDKFKKDCFRRAKEF 111111111110000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000

>DM\_train1731 ISSASGESQMSLDEIEDVYHTRPGYRPEEYRWGQGGAKIIDYHIQSAGVDFPPSLTGNQQTDFLMKV VFEYDFDCVVPGILIKTLDGLFLYGTNSFLASEGRENISVSRGDVRVFKFSLPVDLNSGDYLLSFGISAGN

PQTDMTPLDRRYDSIILHVTKSMDFWGVIDLKSSFTSYQ 111111111000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000011

>DM\_train1732 GMPQTLKPDTPAGTPAAGAVAFRRQVLPQDALLVRRVVESTGFFTPEEADVAQELVDEHLMHGAAC GYHFVFATEDDDMAGYACYGPTPATEGTYDLYWIAVAPHRQHSGLGRALLAEVVHDVRLTGGRLLF AETSGIRKYAPTRRFYERAGFSAEAVLKAFYRAGDDKIIYRLEVA 111111111111111111000000000000000000000000000000000000000000001100000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000

>DM\_train1733 MRTSKKEMILRTAIDYIGEYSLETLSYDSLAEATGLSKSGLIYHFPSRHALLLGMHELLADDWDKELRDIT RDPEDPLERLRAVVVTLAENVSRPELLLLIDAPSHPDFLNAWRTVNHQWIPDTDDLENDAHKRAVYL VQLAADGLFVHDYIHDDVLSKSKRQAMLETILELIPSQT 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000111

>DM\_train1734 MVKLTAELIEQAAQYTNAVRDRELDLRGYKIPVIENLGATLDQFDAIDFSDNEIRKLDGFPLLRRLKTLL VNNNRICRIGEGLDQALPDLTELILTNNSLVELGDLDPLASLKSLTYLCILRNPVTNKKHYRLYVIYKVPQ VRVLDFQKVKLKERQEAEKMFKGKRGAQLAKDIAR 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000001111111111111

>DM\_train1735 ATDTLANEDCFRHESLVPNLDYERFRGSWIIAAGTSEALTQYKCWIDRFSYDDALVSKYTDSQGKNRT TIRGRTKFEGNKFTIDYNDKGKAFSAPYSVLATDYENYAIVEGCPAAANGHVIYVQLRMTLRRFHPKLG DKEMLQHYTLDQVNQNKKAIEEDLKHFNLKYEDLHSTCH 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000111111000000000 00000000000000000000000000

>DM\_train1736 SHQVGVAGAVFDESTRKILVVQDRNKLKNMWKFPGGLSEPEEDIGDTAVREVFEETGIKSEFRSVLSIR QQHTNPGAFGKSDMYIICRLKPYSFTINFCQEECLRCEWMDLNDLAKTENTTPITSRVARLLLYGYREG FDKIDLTVEELPAVYTGLFYKLYHKELPENYKTMKGID 110000000000000000000000000000000000000000000000000000000000000000000000111 111111000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000001111

>DM\_train1737 MSSHTATKYDVFLSFRGHDTRHNFISFLYKELVRRSIRTFKDDKELENGQRFSPELKSPIEVSRFAVVVVS ENYAASSWCLDELVTIMDFEKKGSITVMPIFYGVEPNHVRWQTGVLAEQFKKHASREDPEKVLKWRQ ALTNFAQLSGDCSGDDDSKLVDKIANEISNKKTIYATI 111111000000000000000000000000000000000000001111111111111100000000000000000

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>DM\_train1738 HHHHHHGCMSGRKPIIGVMGPGKADTAENQLVMANELGKQIATHGWILLTGGRSLGVMHEAMKG AKEAGGTTIGVLPGPDTSEISDAVDIPIVTGLGSARDNINALSSNVLVAVGMGPGTAAEVALALKAKKP VVLLGTQPEAEKFFTSLDAGLVHVAADVAGAIAAVKQLLAKLN 111111111110000000000000000000000000000000000000000000000000000000000000000 001111111000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000011

>DM\_train1739 MAPEAQVSVQPNFQQDKFLGRWFSAGLASNSSWLREKKAALSMCKSVVAPATDGGLNLTSTFLRK NQCETRTMLLQPAGSLGSYSYRSPHWGSTYSVSVVETDYDQYALLYSQGSKGPGEDFRMATLYSRT QTPRAELKEKFTAFCKAQGFTEDTIVFLPQTDKCMTEQAHHHHHH 111111000000000000000000000000000011111100000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000111111111111111

>DM\_train1740 SATTSSKNGKPLVVVYGDYKCPYCKELDEKVMPKLRKNYIDNHKVEYQFVNLAFLGKDSIVGSRASHA VLMYAPKSFLDFQKQLFAAQQDENKEWLTKELLDKHIKQLHLDKETENKIIKDYKTKDSKSWKAAEKD KKIAKDNHIKTTPTAFINGEKVEDPYDYESYEKLLKDKIK 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000111

>DM\_train1741 LRPPLPPATPQEVQFVQHMLQHHAQALDLAAPMLERSQQRTVRSLALDIQLSQREQMRQMEAML GRWGQPPGEPISPEHARMMGMASEAEVAGLSTLPVEQAERQFLRLMIRHHQGAVAMTLPMLDAA ARPEVERLARQIVVTQRGEIRTMEGVLGRLDGEVPAAPMRPVEHGHGH 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000110000000000000000000000 00000000111111111111111111

>DM\_train1742 AITGIFFGSDTGNTENIAKMIQKQLGKDVADVHDIAKSSKEDLEAYDILLLGIPTWYYGEAQCDWDDF FPTLEEIDFNGKLVALFGCGDQEDYAEYFCDALGTIRDIIEPRGATIVGHWPTAGYHFEASKGLADDDH FVGLAIDEDRQPELTAERVEKWVKQISEELHLDEILNA 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000111111

>DM\_train1743 IFGIDDLIIGVLFVAIVETGIGGYLLGSRKESGGGVTKESAEKGFEKIGNDIQILKSSINIAIEKLNDRISHDE QAIRDLTLEIENARSEALLGELGIIRALLVGNISIGLQESLWELASEITNRAGDLAVEVSPGCWIIDNNICD QSCQNFIFKFNETAPVPTIPPLDTKIDLQ 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000001111111111

>DM\_train1744 MSTTNHDHHIYVLMGVSGSGKSAVASEVAHQLHAAFLDGDFLHPRRNIEKMASGEPLNDDDRKPW LQALNDAAFAMQRTNKVSLIVCSALKKHYRDLLREGNPNLSFIYLKGDFDVIESRLKARKGHFFKTQM LVTQFETLQEPGADETDVLVVDIDQPLEGVVASTIEVIKKGK 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000011111111100000000000000000000 0000000000000000000000000

>DM\_train1745 MAKKVAVLAVNPVNGCGLFQYLEAFFENGISYKVFAVSDTKEIKTNSGMVLIVDDVIANLKGHEDEFD ALVFSCGDAVPVFQQYANQPYNVDLMEVIKTFGEKGKMMIGHCAGAMMFDFTGITKGKKVAVHPL AKPAIQNGIATDEKSEIDGNFFTAQDENTIWTMLPKVIEALK 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000

>DM\_train1746 METYPITVGGVTRHVPLIEPLPGRRIPLVEFLGDPEFTRAAAEALRPLVPKEAEILFTTETSPIPLTHVLAEA LGLPYVVARRRRRPYMEDPIIQEVQTLTLGVGEVLWLDRRFAEKLLNQRVVLVSDVVASGETMRAME KMVLRAGGHVVARLAVFRQGTPGLAVDTVAELPVL 100000000000000000000000000000011100000000000000000000000000000000000000111 100000000000000000000111111110000000000000011000000000000110000010000000000 1100000000000000000000000

>DM\_train1747 MSLAKNIVFIGFMGSGKSTLARALAKDLDLVFLDSDFLIEQKFNQKVSEIFEQKRENFFREQEQKMADF FSSCEKACIATGGGFVNVSNLEKAGFCIYLKADFEYLKKRLDKDEISKRPLFYDEIKAKKLYNERLSKYEQK ANFILNIENKNIDELLSEIKKVIKEGGSHHHHHH 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000001111111111100000000000000000000000000000 0000000000000000111111111

>DM\_train1748 AHHHHHHGSMLKEVHELLNRIWGDIFELREELKEELKGFTVEEVSEVFNAYLYIDGKWEEMKYPHPAF AVKPGGEVGATPQGFYFVFAFPKEELSKEFIEDVIRAFEKLFIYGAENFLEDFYNFEHPISGDEVWDRIVN SDEEMINFEVDLGFDKEEVKREIKRFIELARRYNLL 111111111000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000

>DM\_train1749 PLGSPNSSIVSLLGIKVLNNPAKFTDPYEFEITFECLESLKHDLEWKLTYVGSSRSLDHDQELDSILVGPV PVGVNKFVFSADPPSAELIPASELVSVTVILLSCSYDGREFVRVGYYVNNEYDEEELRENPPAKVQVDHI VRNILAEKPRVTRFNIVWDNENEGDLYPPEQPGV 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000011111

>DM\_train1751 MAFPDTDVSPPRGGPSSPAKSPLLRSFKVKTYIPKNDEQNWVVVDASGVPLGRLATLIASRIRGKHRP

DFTPNMIQGDFVVVINAAQVALTGKKLDDKVYTRYTGYQGGLKTETAREALSKHPERVIEHAVFGML PKGRQGRAMHTRLKVYAGETHPHSAQKPQVLKTQPLEVK 111111111111111111111111111100000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000111

>DM\_train1752 AGKTMIPLLAFAAWSGTGKTTLLKKLIPALCARGIRPGLIKHTHHDMDVDKPGKDSYELRKAGAAQTIV ASQQRWALMTETPDEEELDLQFLASRMDTSKLDLILVEGFKHEEIAKIVLFRDGAGHRPEELVIDRHVIA VASDVPLNLDVALLDINDVEGLADFVVEWMQKQNG 111100000000000000000000000000000000000000000111111111111000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000

>DM\_train1753 MKGPNLTEISKKITDSNAVLLAVKEVEALLSSIDEIAAKAIGKKIHQNNGLDTENNHNGSLLAGAYAIST LIKQKLDGLKNEGLKEKIDAAKKCSETFTNKLKEKHTDLGKEGVTDADAKEAILKTNGTKTKGAEELGKL FESVEVLSKAAKEMLANSVKELTSPVVAESPKKP 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000111111111

>DM\_train1754 GMDIMLNTADISAAAILLPVEGAQLSELRQIPAEGGPVLHMLRLDSPQFSQFGEIYFSEVLPRRVKAWK RHSLMTQLFAVPVGCIHVVLYDGREKSPTSGRLAQVTLGRPDNYRLLRIPPQVWYGFAATGDTPALV ANCTDIPHRQGESERAPQDAPFIPFSWAGADLSGTPVM 111111111111110000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000111

>DM\_train1755 DDIKVFQNEVLGTLQRGKEENISCDNLVLEINSLKYAYNISLKEVMQVLSHVVLEFPLQQMDSPLDSSR YCALLLPLLKAWSPVFRNYIKRAADHLEALAAIEDFFLEHEALGISMAKVLMAFYQLEILAGETILSWFS QRDTTDKGQQLRKNQQLQRFIQWLKEAEEESSEDD 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000011000000 000000000000000000111111

>DM\_train1756 MAHHHHHHMSDEDHDFSHQGGGDNASKTYPLAAGALKKGGYVCINGRPCKVIDLSVSKTGKHGH AKVSIVATDIFTGNRLEDQAPSTHNVEVPFVKTYTYSVLDIQANEDPSLPAHLSLMDDEGESREDLDM PPDPALATQIKEQFDSGKDVLVVVVSAMGTEQVLQTKNAAEK 111111111111111111111111110000000000000000000000000000000001111000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000001

>DM\_train1757 GSQQIKDPLNYEVEPFTFQNQDGKNVSLESLKGEVWLADFIFTNCETICPPMTAHMTDLQKKLKAENI DVRIISFSVDPENDKPKQLKKFAANYPLSFDNWDFLTGYSQSEIEEFALKSFKAIVKKPEGEDQVIHQSS FYLVGPDGKVLKDYNGVENTPYDDIISDVKSASTLK

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>DM\_train1758 AKALEQPFDVANIPGPKMATLLEKGKPVANMIKKAKRPLLIVGPDMTDEMFERVKKFVEKDITVVATG SAITRFIDAGLGEKVNYAVLHELTQFLLDPDWKGFDGQGNYDLVLMLGSIYYHGSQMLAAIKNFAPHI RALAIDRYYHPNADMSFGNLWKKEEDYLKLLDEILAEL 111111111111111110000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000

>DM\_train1759 EFMIIYRDLISHDEMFSDIYKIREIADGLCLEVEGKMVSRTEGNIDDSLIGGNASAEGPEGEGTESTVITG VDIVMNHHLQETSFTKEAYKKYIKDYMKSIKGKLEEQRPERVKPFMTGAAEQIKHILANFKNYQFFIGE NMNPDGMVALLDYREDGVTPYMIFFKDGLEMEKC 000000000000000000000000000000000000000011111111111111111111111111111100000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000

>DM\_train1760 MDINVVNALAYEDFVKLFGNVVEKCPLISAAIWSYRPFKDLADIEARISEFIHSLPDSGKEGILRCHPDLA GRDLQSGTLTPESQEEQSQAGMTTLDSAEIVHMYRLNSEYKERFGFPFVICARLNNKADIVRQLSERL KNRRTAELECAIEEVKKICSLRLHSIVLSDIQTKL 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000111111111

>DM\_train1762 MRIQEAIAQDKTISVIIDPSQIGSTEGKPLLSMKCNLYIHEILSRWKASLEAYHPELFLDTKKALFPLLLQL RRNQLAPDLLISLATVLYHLQQPKEINLAVQSYMKLSIGNVAWPIGVTSVGIHARSAHSKIQGGRNAA NIMIDERTRLWITSIKRLITFEEWYTSNHDSLA 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000001111111111111111111100000000000 00000000000000000001111

>DM\_train1763 MALVDGFLELERSSGKLEWSAILQKMASDLGFSKILFGLLPKDSQDYENAFIVGNYPAAWREHYDRAG YARVDPTVSHCTQSVLPIFWEPSIYQTRKQHEFFEEASAAGLVYGLTMPLHGARGELGALSLSVEAEN RAEANRFMESVLPTLWMLKDYALQSGAGLAFEHPVSK 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000001111

>DM\_train1764 MCIIKPMDDVVKFIHEVGSLKLTPRSGWLKLGIRLPESVAEHNFRAAIIAFILALKSGESVEKACKAATAA LFHDLHEARTMDLHKIARRYVSCDEEGAREEQLSWMESKPDFSDVEVYVSDADKLELAFQGVEYSQQ VSYAIRFAENVELKTDAAKEIYRVLMERKNPVWWR 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1765 GHMGFFSRDIQTMEDLLLHGLRDIYYAEQQITKALPKMIEQATNRDLSQGLTSHLEETQKQIERLDQV FKKLGQKPSGVNCPAIDGLIKEADETAGEIADKTVLDAAIVANAQAVEHYEIARYGTLIAWAEELGHD DIVRFLTTNLNEEKAANTKLNTVALRKGVNRKAASGS 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000111111111111

>DM\_train1766 MHHHHHHSSGRENLYFQGMSDSGSQLGSMGSLTMKSQLQITVISAKLKENKKNWFGPSPYVEVTV DGQSKKTEKCNNTNSPKWKQPLTVIVTPVSKLHFRVWSHQTLKSDVLLGTAALDIYETLKSNNMKLEE VVVTLQLGGDKEPTETIGDLSICLDGLQLESEVVTNGETT 111111111111111111111111111111000000000000000000000110000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000001111111111

>DM\_train1767 SNAMRVIVTEYQPAWVEQFEEEAQALKQILKENCLKVEHIGSTSVPNLAAKPIIDFLVIVEEIEKVDLLQ WEFERIGYEYMGEFGLSGRRYLRKGPIKRTHHVHIYQFDNTQEILRHLAFRNYLRENPAIATTYGTLKKQ LAQAHPDSIDKYMDGKDAFIKKIEKEALKKYWE 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00011000000000000000000

>DM\_train1768 SSKKYKLSEIHHLHPEYVRVSEHFKASMKNFKIEKIKKIENSELLDKFTWKKSQMKEEGKLLFYATSRAYV ESICSNNFDSFLHETHENKYGKGIYFAKDAIYSHKNCPYDAKNVVMFVAQVLVGKFIEGNITYTSPPPQ FDSCVDTRSNPSVFVIFQKDQVYPQYVIEYTED 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000

>DM\_train1769 MGSQVQKSDEITFSDYLGLMTCVYEWADSYDSKDWDRLRKVIAPTLRIDYRSFLDKLWEAMPAEEFV GMVSSKQVLGDPTLRTQHFIGGTRWEKVSEDEVIGYHQLRVPHQRYKDTTMKEVTMKGHAHSANL HWYKKIDGVWKFAGLKPDIRWGEFDFDRIAEDGRETFGDK 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000011111111111111111

>DM\_train1770 GMNLQTDQTTTTADESAIRAFHRQMIDAWNRGSGEGFAAPFSETADFITFEGTHLKGRKEIAAFHQQ AFDTVVKGTRLEGEVDFVRFVNSQLALMLVVIRVILPGQTETSASRDSLPLYVVTKGDEGWQIEGLLNT RKLTLERQFFLDDFDSLSAEAQRQVTDLVASLKQSH 111111111000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000001

>DM\_train1771

GMSEALSDSGLPPVQRVVTGHDAHGRAVFKSEDVTPTRMIPSGDASFLLVWTTATVPADNNDETDG RQREAGLTLDGGSVIRVVDMLPGKESPMHRTNSIDYGIVLEGEIELELDDGAKRTVRQGGIIVQRGTN HLWRNTTDKPCRIAFILIEAPAYLHNGQPLPEDKPDHK 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000111111

>DM\_train1772 MNLDNVTGGDNVPKEINVIIEISQNSCPVKYEFDKEKNLFCVDRFLPTSMYYPCNYGFIPHTCAGDGD PVDVLVASRFPVMSGAVIRARPVGVLVMHDESGEDVKILAVPTHKVDQYYNNIKDYSDFPVSFLNSIS HFFTFYKKLEEDKFVSVEGWKDVTVAEKLILSALIK 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000001110000000000000000000000000000000000000000011111111 0000000000000000000011

>DM\_train1773 MNPHPVEPRDQIAELLVESPLFSFNCAHFIAFKGFRETLHGHNYNVSLRLRGNIQGDGYVIDFSILKEKV RKVCKQLDHHFILPMYSDVLNIQEVNDNFKITCEDNSEYSFPKRDCVQIPIKHSSTEEIGLYILNQLIEEID LPFLKTRSVNYMEVTVSESPSQKATVHRNI 111111111000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000

>DM\_train1774 EKEKKNVFMRTFEAISRNFSEIFAKLSPGGSARLILENPEDPFSGGLEIEAKPAGKDVKRIEAMSGGEKAL TALAFVFAIQKFKPAPFYLFDEIDAHLDDANVKRVADLIKESSKESQFIVITLRDVMMANADKIIGVSMR DGVSKVVSLSLEKAMKILEEIRKKQGWEHGN 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000001100000000 0000000000000000001111

>DM\_train1775 LPPREDAARVARFVTHVSDWGALATISTLEAVRGRPFADVLSLSDGPPGAGSGVPYFYLSPLQLSVSN LQENPYATLTMTLAQTNFCKKHGFDPQSPLCVHIMLSGTVTKVNETEMDIAKHSLFIRHPEMKTWPS SHNWFFAKLNITNIWVLDYFGGPKIVTPEEYYNVTVQ 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000011

>DM\_train1776 QPQSGPQTGVVFRNTVTGEALDVSQGKEGGRDTPAVKKFLETGENLYIDDKSCLRNGESLFATSCSG CHGHLAEGKLGPGLNDNYWTYPSNTTDVGLFATIFGGANGMMGPHNENLTPDEMLQTIAWIRHLY TGPKQDAVWLNDEQKKAYTPYKQGEVIPKDAKGQCKPLDE 111111111111111111111110000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000

>DM\_train1777 SLEKQIESYYQEIAQLIIDMIPEEWAEVRFYAQEDHDGWKIFFFHYLSASSDEWTKDIDIRDVIKVPQDE FMEKYNELSFCISDFRKDYAEAFGEPWMSFQMTFYASGKFNIDFYYDKNPFDTFLTRLAWQYEHFGTI

PEDSFYKETLNEYLEEKAQGKRYPFLEPLKEEEG 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000010000000000 0000000000000000011111

>DM\_train1778 SNAMNPFETKSVTFAEPIEMLYACHGKVRRFCGQVAMLSDYIAENGCNQIVLQTIRQIAQYFNVAAP LHHEDEEENFFPLLLQYAPQAQESVDELLRQHIGLHDNWAAVSAEFAKLEADNAYVPDEEAFKRFVA GYDVHLAIEEPLFDMGNTFIPKEKLTEIGEIMAARRRK 111111111111110000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000

>DM\_train1779 SKLQATKTLAADVIMRSPVSWKQELTLDAGRSKGASENMLAIANGGLIGSVSKVEENSTIVNLLTNTE NADKISVKIQHGSTTIYGIIIGYDKENDVLKISQLNSNSDISAGDKVTTGGLGNFNVADIPVGEVVATTH STDYLTREVTVKLSADTHNVDVIELVGNSKLVPR 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000011111

>DM\_train1780 GMDAGRGAEHDEAVTSDDSASVEVPRRATPADAATVAQMLHDFNTEFGAPTPGTDELASRLSHLL AGEDVVVLLAGEPPTGLAVLSFRPNVWYPGPVAILDELYVRPGRRGHRLGSALLAASCGLVRSRGGAL LEINVDGEDTDARRFYEARGFTNTEPNGTEPMLYYYREL 111111111111111100000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000

>DM\_train1781 GSHMNQCPEHSQLTTLGVDGKEFPEVHLGQWYFIAGAAPTKEELATFDPVDNIVFNMAAGSAPMQ LHLRATIRMKDGLCVPRKWIYHLTEGSTDLRTEGRPDMKTELFSSSCPGGIMLNETGQGYQRFLLYNR SPHPPEKCVEEFKSLTSCLDSKAFLLTPRNQEACELSNN 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000001

>DM\_train1782 APKDNTWYTGAKLGWSQYHDTGLINNNGPTHENKLGAGAFGGYQVNPYVGFEMGYDWLGRMPY KGSVENGAYKAQGVQLTAKLGYPITDDLDIYTRLGGMVWRADTYSNVYGKNHDTGVSPVFAGGVE YAITPEIATRLEYQWTNNIGDAHTIGTRPDNGMLSLGVSYRFG 000000000000000001111111111111000000000000000000000000000000000111111100000 000000000000000000000000000000000000000000000000000000000000000000000011111 111111111000000000000

>DM\_train1783 SNSGEPAPVLSSPTPTDLSTFLSFPSPEKLLRLGPKVSVLIVQQTDTSDPEKVVSAFLKVASVFRDDASV KTAVLDAIDALMKKAFSCSSFNSNTFLTRLLIHMGLLKSEDKIKAIPSLHGPLMVLNHVVRQDYFPKAL APLLLAFVTKPNGALETCSFARHNLLQTLYNI 111111111111111100000000000000000000000000000000000000000000000000000000000

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>DM\_train1784 GAMGSMAEAEGESLESWLNKATNPSNRQEDWEYIIGFCDQINKELEGPQIAVRLLAHKIQSPQEWEA LQALTVLEACMKNCGRRFHNEVGKFRFLNELIKVVSPKYLGDRVSEKVKTKVIELLYSWTMALPEEAKIK DAYHMLKRQGIVQSDPPIPVDRTLIPSPPPRPKN 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000001111111111

>DM\_train1785 AALGPSSQNVTEYVVRVPKNTTKKYNIMAFNAADKVNFATWNQARLERDLSNKKIYQEEEMPESGA GSEFNRKLREEARRKKYGIVLKEFRPEDQPWLLRVNGKSGRKFKGIKKGGVTENTSYYIFTQCPDGAFE AFPVHNWYNFTPLARHRTLTAEEAEEEWERRNKVLN 111110000000000000000000000000000000000000000000000000000000011111111110000 000000000000000000000000000000000000000000000000000000000000000000000000000 001111111111111111111

>DM\_train1786 SYRSTQQITDFTKEILVNGEAVTAFDRQGDLPNVVVTPNFEAGVDQVVDQLAMNDSERDTTAIIGKS LAECEALTKALKARGEQVTLIQTENQRLAPGVIVVPSFLAKGLEFDAVIVWNANQENYQREDERQLLY TICSRAMHELTLVAVGSLSPLLARVNHALYTLNEAK 000000000000000000111111110000000000000000000000000000000000000000000000000 000000000000000001000000000000000000000000000000000000000000000000000000000 000000000000000000011

>DM\_train1787 NQPDWADEAANGAHQDAWKSLKARVENVYYMVKATYKNDPVWGNDFTCVGVMANDVNEDEK SIQAEFLFMNNADTNMQFATEKVTAVKMYGYNRENAFRYETEDGQVFTDVIAYSDDNCDVIYVPGT DGNEEGYELWTTDYDNIPANCLNKFNEYAVGRETRDVFTSACLE 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000

>DM\_train1788 SSQTSNFLAEQYERDRKAIINCCFSRPDHKTGEPPNNYITHVRIIEDSKFPSSRPPPDSKLENKKKRLLILS AKPNNAKLIQIHKARENSDGSFQIGRTWQLTELVRVEKDLEISEGFILTMSKKYYWETNSAKERTVFIKS LITLYIQTFEGHVPELVNWDLSLFYLDER 111110000000000000000000001111111100000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000

>DM\_train1789 MKEQLYTGLTEKEANQMQALLLSNDVNVSKEMDKSGNMTLSVAAADFVRAITILNNNGFPKKKFAD IEVIFPPSQLVASPSQENAKINYLKEQDIERLLSKIPGVIDCSVSLNVNNNESQPSSAAVLVISSPEVNLA PSVIQIKNLVKNSVDDLKLENISVVIKSSSGQDG 100000000000000000000000000000000000000000000000000000000000000000000000111 111000000000000000000000000000000000000111111000000000000000000000000000000 000000000000000011111

>DM\_train1790 GSMSLFPGDIEELARRIITDFTPLGLMVSTAESCTGGLIAGALTEIAGSSAVVDRGFVTYTNDAKRDMLG VGTETLTTFGAVSRQTALQMAHGALYRSRANFAVAVTGIAGPGGGSAEKPVGLVHLATKARNGNVL HHEMRYGDIGRTEIRLATVRTALEMLIALNQAGSV 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000001111

>DM\_train1791 MSLKTLDGKITRPTSDKVRGAIFNMIGPYFNGGRVLDLFAGSGGLAIEAVSRGMSAAVLVEKNRKAQA IIQDNIIMTKAENRFTLLKMEAERAIDCLTGRFDLVFLDPPYAKETIVATIEALAAKNLLSEQVMVVCETD KTVLLPKEIATLGIWKEKIYGISKVTVYVNEG 111111111111111110000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000

>DM\_train1792 GMGILSGNPQDEPLHYGEVFSTWTYLSTNNGLINGYRSFINHTGDEDLKNLIDEAIQAMQDENHQLE ELLRSNGVGLPPAPPDRPAARLDDIPVGARFNDPEISATISMDVAKGLVTCSQIIGQSIREDVALMFSQ FHMAKVQFGGKMLKLNKNKGWLIPPPLHSDRPIKE 111111111100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000011111

>DM\_train1793 GMKQPNYYQDVKQFHQTFHHPGADQPTAIPLDRGVKRATWTAEEAVVEFLHQSSQNETEFLAAIET FKAGLDQAVKKSLKETYPVTEVERLVGQGDALTDALYFIMGSFVEAGLEPGPLFEIVQQANMAKLGPD GQPIFRESDQKVMKPDGWLPPEPQLEAEVVRQMKEKA 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000

>DM\_train1794 MIIKDILRENQDFRFRDLSDLKHSPKLCIITCMDSRLIDLLERALGIGRGDAKVIKNAGNIVDDGVIRSAA VAIYALGDNEIIIVGHTDCGMARLDEDLIVSRMRELGVEEEVIENFSIDVLNPVGDEEENVIEGVKRLKSS PLIPESIGVHGLIIDINTGRLKPLYLDE 000000000011111111111111000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000

>DM\_train1795 MEEPDANGYYYHDTFEGSVGQWTARGPAEVLLSGRTAYKGSESLLVRNRTAAWNGAQRALNPRTF VPGNTYCFSVVASFIEGASSTTFCMKLQYVDGSGTQRYDTIDMKTVGPNQWVHLYNPQYRIPSDAT DMYVYVATADDTINFYIDEAIGAVAGTVIEGLEHHHHHH 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000001111111111

>DM\_train1796 MAKLGIHSNDTRDAWVNKIAQLNTLEKAAEMLKQFRMDHTTPFRNSYELDNDYLWIEAKLEEKVAV

LKARAFNEVDFRHKTAFGEDAKSVLDGTVAKMNAAKDKWEAEKIHIGFRQAYKPPIMPVNYFLDGER QLGTRLMELRNLNYYDTPLEELRKQRGVRVVHLQSPH 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000011111

>DM\_train1797 GVPFFSCQRGYKGVWRGDGIMQTTCPCGAQITGHVKNGSMRIVGPRTCSNTWHGTFPINAYTTGP CTPSPAPNYSRALWRVAAEEYVEVTRVGDFHYVTGMTTDNVKCPCQVPAPEFFTEVDGVRLHRYAP ACKPLLREEVTFLVGLNQYLVGSQLPCEPEPDVAVLTSM 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000011111111111

>DM\_train1798 MNADEWMTTFRENIAQTWQQPEHYDLYIPAITWHARFAYDKEKTDRYNERPWGGGFGLSRWDEK GNWHGLYAMAFKDSWNKWEPIAGYGWESTWRPLADENFHLGLGFTAGVTARDNWNYIPLPVLLP LASVGYGPVTFQMTYIPGTYNNGNVYFAWMRFQFLEHHHHHH 111111100000000000000000000000000000001111111111000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000111111

>DM\_train1799 GMLKILATQFNGKLQTLTKQEDELFDVVRLLAQALVGQGKVYLDAYGEFEGLYPMLSDGPDQMKRV TKIKDHKTLHAVDRVLIFTPDTERSDLLASLARYDAWHTPYSIITLGDVTETLERSIAPLALKFDKGLLPAE DGSRHGLPSLALGAFLLTHILTQLQEMTEEWE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000001

>DM\_train1800 MSLKLISNDLRDGDKLPHRHVFNGMGYDGDNISPHLAWDDVPAGTKSFVVTCYDPDAPTGSGWW HWVVVNLPADTRVLPQGFGSGLVAMPDGVLQTRTDFGKTGYDGAAPPKGETHRYIFTVHALDIERID VDEGASGAMVGFNVHFHSLASASITAMFSEGGSHHHHHH 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000111111111

>DM\_train1801 MSTTPIDAELDLMLKRELAVPVNLVWRGLTEPELLKKWFVPKPWSISDCRVDLRPGGEFYTVMQDPE GNKFPNSGCFLEVTDEKRLIWTSALVKNYRPAVPATTSDKECAHIVMTAVIELQPTSSGTRYTACAMH NTPGQRKLHEEMGFHEGWGTTITQLEELLKQEKAY 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000001111111111100000000000000000000000000000000000000 00000000000000000000

>DM\_train1802 GAMGPVDEQWIEILRIQALCARYCLTINTQDGEGWAGCFTEDGAFEFDGWVIRGRPALREYADAHA RVVRGRHLTTDLLYEVDGDVATGRSASVVTLATAAGYKILGSGEYQDRLIKQDGQWRIAYRRLRNDR LVSDPSVAVNVADADVAAVVGHLLAAARRLGTQMSDT

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>DM\_train1803 MAARTDNSIVVNAPFELVWDVTNDIEAWPELFSEYAEAEILRQDGDGFDFRLKTRPDANGRVWEWV SHRVPDKGSRTVRAHRVETGPFAYMNLHWTYRAVAGGTEMRWVQEFDMKPGAPFDNAHMTAHL NTTTRANMERIKKIIEDRHREGQRTPASVLPTELHAQQLLL 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000111111111111111

>DM\_train1804 MDPSQTPDANASISVSYKCGVKDGTKNTIRATINIKNTGTTPVNLSDIKVRYWFTSDGNEQNNFVCD YAAFGTDKVKGIVKKIENSVPGADTYCEISFTEDAGRLAPGGSTGTIPFRIEGAAEYDQTDDYSYNSEM SDDFGDNTKITAYIKDKLKYGVEAAALEHHHHHH 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000011111111

>DM\_train1806 AAVILESIFLKRSQQKKKTSPLNFKKCLFLLTVHKLSYYEYDFERGRRGSKKGSIDVEKITCVETVVPEKNP PPERQIPRRGEESSEMEQISIIERFPYPFQVVYDEGPLYVFSPTEELRKRWIHQLKNVIRYNSDLVQKYHP CFWIDGQYLCCSQTAKNAMGCQILEN 000000000000000000000000000000000000000000000000000000000000000000000000000 000111111111000000000000000000000000000000000000000000000000000000000000000 0000000000000000000

>DM\_train1807 RNRIKKVTERLPLPPNARRVEDPEMNMSREVVEDPGVPGTQDVTFAVAEVNGVETGRLPVANVVVT PAHEAVVRVGTKPGTEVPPVIDGSIWDAIAGCEAGGNWAINTGNGYYGGVQFDQGTWEANGGLRY APRADLATREEQIAVAEVTRLRQGWGAWPVCAARAGAR 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000110000000000000000000000000000000000000000000000000000000000000 0000000000000000000

>DM\_train1808 SVLQAQMAAQQLPVIGGIAIPELGINLPIFKGLGNTELIYGAGTMKEEQVMGGENNYSLASHHIFGITG SSQMLFSPLERAQNGMSIYLTDKEKIYEYIIKDVFTVAPERVDVIDDTAGLKEVTLVTCTDIEATERIIVKG ELKTEYDFDKAPADVLKAFNHSYNQVST 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000

>DM\_train1809 MGFEDGFYTILHLAEGQHPNSKIPGGMYASSKDGKDVPVTAEPLGPQSKIRWWIARDPQAGDDMYT ITEFRIDNSIPGQWSRSPVETEVPVYLYDRIKAEETGYTCAWRIQPADHGADGVYHIVGNVRIGSTDW ADLREEYGEPQVYMKPVPVIPNVYIPRWFILGYEE 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1810 KNASVITVGNEILKGRTVNTNAAFIGNFLTYHGYQVRRGFVVMDDLDEIGWAFRVALEVSDLVVSSG GLGPTFDDMTVEGFAKCIGQDLRIDEDALAMIKKKYGQADLTPQRLKMAKIPPSCRPIENPVGTAPGLI CAVGGKKVIILPGVPKEMEALLKAMEKDIIIPD 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000001110000000000000000000000000000000000000000000 0000000000000000011

>DM\_train1811 MARYINITLEKRGVTCKALLLDDVAPRTSKAVWDALPQSSQVFHGKYARNEIYNLVPAFAPKEPGAEN TTVTPIPGDVCYFTFTSNDLKTPSHGYEADSGTDEVQTIVDLAVFYGRNNLLLNGDTGWVPGNVFATI VEGLDEMAAACQDIWMGGARDETLTFSRAEDTA 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000001111111111111100000000000000000000000000000000000000000000000 0000000000000000111

>DM\_train1812 MGSDKIHHHHHHMIQSYPVERSRTIQTRLVLPPDTNHLGTIFGGKVLAYIDEIAALTAMKHANSAVVT ASIDSVDFKSSATVGDALELEGFVTHTGRTSMEVYVRVHSNNLLTGERTLTTESFLTMVAVDESGKPKP VPQVEPQTEEEKRLYETAPARKENRKKRAALR 111111111111110000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000001111

>DM\_train1813 AKITKVQVGEALVGDGNEVAHIDLIIGPRGSPAETAFCNGLVNNKHGFTSLLAVIAPNLPCKPNTLMF NKVTINDARQAVQMFGPAQHGVAMAVQDAVAEGIIPADEADDLYVLVGVFIHWEAADDAKIQKY NYEATKLSIQRAVNGEPKASVVTEQRKSATHPFAANA 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000001

>DM\_train1814 MGSDKIHHHHHHMIRPEYLRVLRKIYDRLKNEKVNWVVTGSLSFALQGVPVEVHDIDIQTDEEGAYEI ERIFSEFVSKKVRFSSTEKICSHFGELIIDGIKVEIMGDIRKRLEDGTWEDPVDLNKYKRFVETHGMKIPVL SLEYEYQAYLKLGRVEKAETLRKWLNERK 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000

>DM\_train1815 GPAQLVGRQTLATPAMGDIQIGMEDKKGQLEVEVIRARSLTQKPGSKSTPAPYVKVYLLENGACIAKK KTRIARKTLDPLYQQSLVFDESPQGKVLQVIVWGDYGRMDHKCFMGVAQILLEELDLSSMVIGWYKL FPPSSLVDPTLAPLTRRASQSSLESSSGPPCIRS 000000000111110000000000000000000000000000001110000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000011 1111111111111111111

>DM\_train1816

ASVRIREAKEGDCGDILRLIRELAEFEKLSDQVKISEEALRADGFGDNPFYHCLVAEILPAPGKLLGPCVV GYGIYYFIYSTWKGRTIYLEDIYVMPEYRGQGIGSKIIKKVAEVALDKGCSQFRLAVLDWNQRAMDLYK ALGAQDLTEAEGWHFFCFQGEATRKLAGK

100000000000000000000000000001111000000000000000000000000001111111000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000001

>DM\_train1817 GLFDKLKSLVSDDKKDTGTIEIIAPLSGEIVNIEDVPDVVFAEKIVGDGIAIKPTGNKMVAPVDGTIGKIFE TNHAFSIESDSGVELFVHFGIDTVELKGEGFKRIAEEGQRVKVGDTVIEFDLPLLEEKAKSTLTPVVISNM DEIKELIKLSGSVTVGETPVIRIKK 111111111111111111000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000

>DM\_train1818 MKVIEFHVVGNSLNQKPNKKILMWLVGLQNVFSHQLPRMPKEYITRLVFDPKHKTLALIKDGRVIGGI CFRMFPSQGFTEIVFCAVTSNEQVKGYGTHLMNHLKEYHIKHDILNFLTYADEYAIGYFKKQGFSKEIKI PKTKYVGYIKDYEGATLMGCELNPRIPYTE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000111111

>DM\_train1819 MLRSSNDVTQQGSRPKTKLGGSSMGIIRTCRLGPDQVKSMRAALDLFGREFGDVATYSQHQPDSDY LGNLLRSKTFIALAAFDQEAVVGALAAYVLPKFEQPRSEIYIYDLAVSGEHRRQGIATALINLLKHEANA LGAYVIYVQADYGDDPAVALYTKLGIREEVMH 111111111111111111111111000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000011111111

>DM\_train1820 LLKLEKELLKQIKLDPSPQTIYKWIKDNISPKLHVDKGFVNILMTSFLQYISSEVNPPSDETDSSSAPSKEQ LEQEKQLLLSFKPVMQKFLHDHVDLQVSALYALQVHCYNSNFPKGMLLRFFVHFYDMEIIEEEAFLAW KEDITQEFPGKGKALFQVNQWLTWLETA 000000000000000000000000000000000000000000000000000000000111111111000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000011

>DM\_train1822 MFIKAERLLIRKFEFKDWEAVHEYTSDSDVMKYIPEGVFTEEDTRNFVNKNMGENAKNFPVILIGENILV GHIVFHKYFGEHTYEIGWVFNPKYFNKGYASEAAQATLKYGFKEMKLHRIIATCQPENTPSYRVMEKIG MRREGYFKKCIPHGNEWWDEYYYAILEEE 000000000000000000000000000000000000000000000000000001100000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000

>DM\_train1823 MIDEPTGLYNRLRLQEDVSLRLQRDGALTVIAADLLPLALLNTIIRTLGYPFSNDLMLEARDRIRAELPDF TLYKISPTRFGLLLPRQQQEETESVCLRLLRAFESPVVCRGIPIKANVGLGVLPLADDTLDGDQDWLRLV

VSAADDARDRGVGWARYNPPLDQAQQR 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000001

>DM\_train1824 MVRYPLEPVLSIKKDRVDRAEKVVKEKRRLLELEQEKLRERESERDKVKNHYMQKIRQLREQLDDGTTS DAILKMKAYIKVVAIQLSEEEEKVNKQKENVLAASKELERAEVELTKRRKEEEKTRLHKEEWMKEALKEE ARQEEKEQDEMGQLLHQLHKQKQRESGEN 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000111111

>DM\_train1825 MSLVEKQSALESKARSWLIERGVEIDDIAELVLFLQQKYHPGLELDICRQNVEHVLRKREVQNAVLTGI QLDVMAEKGELVQPLQNIISADEGLYGVDEILALSIVNVYGSIGFTNYGYIDKVKPGILAKLNEHDGIAV HTFLDDIVGAIAAAAASRLAHSYHDDIVN 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000001111

>DM\_train1826 MALLWQLARNAEGDDPTNLESALIGKPVPKFRLESLDNPGQFYQADVLTQGKPVLLNVWATWCPT CRAEHQYLNQLSAQGIRVVGMNYKDDRQKAISWLKELGNPYALSLFDGDGMLGLDLGVYGAPETFL IDGNGIIRYRHAGDLNPRVWEEEIKPLWEKYSKEAAQ 111111111111111111000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000001

>DM\_train1827 MSLAEVGSKSVLFVCLGNICRSPIAEAVFRKLVTDEKVSDNWAIDSSAVSDWNVGRPPDPRAVSCLR NHGISTAHKARQITKEDFATFDYILCMDESNLRDLNRKSNQVKNCKAKIELLGSYDPQKQLIIEDPYYG NDSDFEVVYQQCLRCCKAFLEKTYEGHHHHHH 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000011111111

>DM\_train1828 DIEQKQAEIIDQLVKRASTCKSEALGPLIIEATSHPSLFAFSEILALPNVAQLEGTTDSVYLDLLRLFAHGT WGDYKCNATRLPHLSPDQILKLKQLTVLTLAESNKVLPYDTLMVELDVSNVRELEDFLINECMYAGIVR GKLDQLKRCFEVPFAAGRDLRPGQLGN 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000011111

>DM\_train1829 MSNMQLDTLRRIVQEINSSVSLHDSLDIMVNQVADAMKVDVCSIYLLDERNQRYLLMASKGLNPES VGHVSLQLSEGLVGLVGQREEIVNLENASKHERFAYLPETGEEIYNSFLGVPVMYRRKVMGVLVVQNK QPQDFSEAAESFLVTLCAQLSGVIAHAHAVGNID 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1830 MELTLYNGEKKTFYSRPNNHDNAWLNAILQLFRYVEEPFFDWVYSSPENLTLEAIKQLEDLTGLELHEG GPPALVIWNIKHLLHTGIGTASRPSEVCVVDGTDMSLADFHAGIFLKGQEHAVFACVTSNGWYAIDD EDFYPWTPDPSDVLVFVPYDQEPLNGEWKAK 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000011111111111

>DM\_train1831 KPGAMYRNSSKPAYTRREYISGIPGKKIAQFDMGNNGAGPTYPAQVELVVEKPVQIRHNALEAARVA ANRYVQNSGAAANYKFRIRKFPFHVIRENKAAAAAAAAAAADGMRAPFGKPVGTAARVHGANHIFI AWVNPDPNVEEAWRRAKMKVTPTINIDSSPAGNA 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000011111111111000000000000000000000000000000000000000000 00000000000000000

>DM\_train1833 MASYAELFDIGEDFAAFVGHGLATEQGAVARFRQKLESNGLPSALTERLQRIERRYRLLVAGEMWCP DCQINLAALDFAQRLQPNIELAIISKGRAEDDLRQRLALERIAIPLVLVLDEEFNLLGRFVERPQAVLDG GPQALAAYKAGDYLEHAIGDVLAIIEGAAR 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000001

>DM\_train1834 SNAMTFNQEQDYWAGYKANERALIIQTWSGFGRYAPDHLYPPHILPLDTDNETLGTTVLQALANSR TFVYDSPEDQDFFDTEKIRQRYEDWVAKLCGNLGYKTRRALFKNMMSVDIWLHNGCLKISPSRHVKL EAWDAIDADDVILSLDNSPEEIGAGLKLALSRCR 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000

>DM\_train1835 MMFLRQEDFATVVRSTPLVSLDFIVENSRGEFLLGKRTNRPAQGYWFVPGGRVQKDETLEAAFERLT MAELGLRLPITAGQFYGVWQHFYDDNFSGTDFTTHYVVLGFRFRVAEEELLLPDEQHDDYRWLTPDA LLASENVHANSRVYFNNDPRAIIGLNKKEVKNV 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000001 11111111111111111

>DM\_train1836 GSHGMADEEKLPPGWEKAMSRSSGRVYYFNHITNASQWERPSGNSSSGGKNGQGEPARVRCSHLL VKHSQSRRPSSWRQEKITRTKEEALELINGYIQKIKSGEEDFESLASQFSDCSSAKARGDLGAFSRGQM QKPFEDASFALRTGEMSGPVFTDSGIHIILRTE 111111111100000000000000000000000000000000111111111111000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000

>DM\_train1837 MGMIGYFAEIDSEKINQLLESTEKPLMDNIHDTLSGLRRLDIDKRWDFLHFGLTGTSAFDPAKNDPLSR AVLGEHSLEDGIDGFLGLTWNQELAATIDRLESLDRNELRKQFSIKRLNEMEIYPGVTFSEELEGQLFASI MLDMEKLISAYRRMLRQGNHALTVIVG 110000000000000000001111111110000000000000000000000000000000000000000000000 001111110000000000000000000000000000000000000000000000000000000000000000000 00000000000000001

>DM\_train1838 MKGLTEKLMILSHQSIKNLLGKVILNYSEENVRENGYDLRICGDKYYELVQGAELPEKKATLREIEFKERA ILSANHTYLFESCEEFNMPADLAVLITLKSTLARNGFLAPPTVIDAGYKGKVNVAITAVYNSSLKKGMAT HHLIFLKLDKPTERLYNGKYQGGILI 111111111000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000

>DM\_train1839 MADEATRRVVSEIPVLKTNAGPRDRELWVQRLKEEYQSLIRYVENNKNADNDWFRLESNKEGTRWF GKCWYIHDLLKYEFDIEFDIPITYPTTAPEIAVPELDGKTAKMYRGGKICLTDHFKPLWARNVPKFGLAH LMALGLGPWLAVEIPDLIQKGVIQHKEKCNQ 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000001

>DM\_train1842 GAMDPREVILCKDQDGKIGLRLKSIDNGIFVQLVQANSPASLVGLRFGDQVLQINGENCAGWSSDK AHKVLKQAFGEKITMTIRDRPFERTITMHKDSTGHVGFIFKNGKITSIVKDSSAARNGLLTEHNICEING QNVIGLKDSQIADILSTSGTVVTITIMPAF 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000

>DM\_train1843 FSDETLDKVPKSEGYCSRILRAQGTRREGYTEFSLRVEGDPDFYKPGTSYRVTLSAAPPSYFRGFTLIALR ENREGDKEEDHAGTFQIIDEEETQFMSNCPVAVTESTPRRRTRIQVFWIAPPAGTGCVILKASIVQKRII YFQDEGSLTKKLCEQDSTFDGVTDK 111111111111100000000000000000000000000000000000000000000000000000000000111 111000000000000000000000000000000000000000000000000000000000000000000000000 0000000111111111

>DM\_train1844 MATASHNIDDILQLKDDTGVITVTADNYPLLSRGVPGYFNILYITMRGTNSNGMSCQLCHDFEKTYH AVADVIRSQAPQSLNLFFTVDVNEVPQLVKDLKLQNVPHLVVYPPAESNKQSQFEWKTSPFYQYSLV PENAENTLQFGDFLAKILNISITVPQAFNVQE 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000111

>DM\_train1845 MAMSRKRVRAEDIHYWLLKSEPHKFSIDDLAKQKTSPWDGVRNYAARNNMRAMSVGDKVLFYHSN

TKEPGVAGLAEVVRLAYDDFTALDKTSEYFDPKATKEKNPWKMVDVKFVARWDTVLTLHELKSRREL QKMALFTQRRLSVQPVSASEYAYILRMNEEQQRK 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000001

>DM\_train1846 MSKNIGLNAIEMSYLRQSLSLSAAQVGQLTNHSEAEVLAWENAETQAPELAQKKLLDIDDIIEMQVL NTTDGIEALFKKEPKRHLAFVVYPTQAIYTQYNPEFLSSLPLTELYNTAAWRIKKECKLVLEVDVSLINLN VEAYKAYREQNGLSESRESRAKWAATQL 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000

>DM\_train1847 MSGELRVRRASSWELDLILKEAEKYGELLHEFFCVVEGKYRDVYAVNEEVWKIIEDINMRPYSLGTFVG TIRVDENLVEKFYPNLEFFSLIKLEKNYVILGPKASFLFTTGKDAPKEAVREIKWQGSKRVVVLNDLGDIIG IGLINPKSDRRFIKNLKDVGEFLRR 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000001111111

>DM\_train1848 MAQEDVTAVATNGAGPVETHLVFTEFKQMLLVEAQKVGDAVTFYKSAFGAIESGHSLYPKRKLDQEL PHVLSSELNLAGSSFVVCDVSSLPGFSTAKSEGSGVTFLLGTKDAEAAVAKAVDAGAVKVEVTEAEVEL GFKGKVTDPFGVTWIFAEKKTVITDENKEV 111111111111111111100000000000000000000000000000000001111111111111110000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000111111111111

>DM\_train1849 TPEKEPLKPGDILVYAQGGGEPKPIRLEELKPGDPFVLAYPMDPKTKVVKSGEAKNTLLVARFDPEELAP EVAQHAAEGVVAYSAVCTHLGCIVSQWVADEEAALCPCHGGVYDLRHGAQVIAGPPPRPVPQLPV RVEDGVLVAAGEFLGPVGVQASAGAYTWRV 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000111111111

>DM\_train1850 CDLPQTHSLGSRRTLMLLAQMRRISLFSCLKDRHDFGFPQEEFGNQFQKAETIPVLHEMIQQIFNLFST KDSSAAWDETLLDKFYTELYQQLNDLEACVIQGVGVTETPLMNEDSILAVRKYFQRITLYLKEKKYSPC AWEVVRAEIMRSFSLSTNLQESLRSKE 111111111000000000000000000000000000000000011111111000000000000000000000000 000000000000000001111111111111111111000000000000000000000000000000000000000 000000111111111

>DM\_train1852 MNAEINPLHAYFKLPNTVSLVAGSSEGETPLNAFDGALLNAGIGNVALIRISSIMPPEAEIVPLPKLPMG ALVPTAYGYIISDVPGETISAAISVAIPKDKSLCGLIMEYEGKCSKKEAEKTVREMAKIGFEMRGWELDRI ESIAVEHTVEKLGCAFAAAALWYK

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>DM\_train1853 MPIGHSREVLVRLRDILALLADGCKTTSLIQQRLGLSHGRAKALIYVLEKEGRVTRVAFGNVALVCLSM DQYRQLVDGMIREVERLVTTNKLKFISPPRLHDLIIKDPQARKFFSSIIPIAHRTAIILSFLNHLLKMIYGEP YVKTDETVYLTANRKVHIEPPAK 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000011111111

>DM\_train1854 FELPSVPFPAPGSDEILFVVRDTTFNTNAPVNVEVSDFWTNRNVKRKPYKDVYGQSVFTTSGTKWLTS YMTVNINDKDYTMAAVSGYKHGHSAVFVKSDQVQLQHSYDSVASFVGEDEDSIPSKMYLDETPEYF VNVEAYESGSGNILVMCISNKESFFECKHQQ 111111111110000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000

>DM\_train1855 MSLLTEVETYVLSIIPSGPLKAEIAQRLEDVFAGKNTDLEVLMEWLKTRPILSPLTKGILGFVFTLTVPSER GLQRRRFVQNALNGNGDPNNMDKAVKLYRKLKREITFHGAKEISLSYSAGALASCMGLIYNRMGAV TTEVAFGLVCATCEQIADSQHRSHRQ 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000111111

>DM\_train1856 MRRFLALLLVLTLWLGFTPLASADVAGLVPCKDSPAFQKRAAAAVNTTADPASGQKRFERYSQALCG EDGLPHLVVDGRLSRAGDFLIPSVLFLYIAGWIGWVGRAYLIAVRNSGEANEKEIIIDVPLAIKCMLTGF AWPLAALKELASGELTAKDNEITVSPR 111111111111111111111110000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000

>DM\_train1857 LGSMESTQQMAVSIINSSFEAAVVAATSALENMGIEYDYQDIYSRVKNKFDFVMDDSGVKNNPIGKA ITIDQALNNKFGSAIRNRNWLADTSRPAKLDEDVNKLRMMLSSKGIDQKMRVLNACFSVKRIPGKSS SIIKCTKLMRDKLERGEVEVDDSFVDEKME 000000000000000000000000000000000000000000000000000000000000000000000000000 111111111111110000000000000000000000000000000000000000000000000000000000000 00011111111111

>DM\_train1858 GPGRGFGKRRHPKKLTPLAYKQFIPNVAEKTLGASGRYEGKITRNSERFKELTPNYNPDIIFKDEENTGA DRLMTQRCKDKLNALAISVMNQWPGVKLRVTEGWDEDGHHSEESLHYEGRAVDITTSDRDRSKYG MLARLAVEAGFDWVYYESKAHIHCSVKAE 111111111111111000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1859 GMKTIDLADIQAFLYRESRLLDDKAWDAWLDCYRADAVFWMPSWDDADALVTDPQREISLIYYPNR QGLEDRVFRIKTERSSATVPDTRTSHNIANVERESADGDVHTVRFNWHTLSYRYKTVSSYFGMSRYAI DFSGDAPKIVSKYVVLKNDYINQLIDIYHI 100000000000000000000000000000000000000000000011111111111000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00001110000000

>DM\_train1860 MELYLIRHGIAEAQKTGIKDEERELTQEGKQKTEKVAYRLVKLGRQFDLIVTSPLIRARQTAEILLASGLS CQLEESNHLAPNGNIFNWLDYWLKPKNFPENAQIAIVGHEPCLSNWTEILLWGEAKDSLVLKKAGMI GLKLPEIGSPVGRSQMFWLTPPRYLL 000000000000001111000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000

>DM\_train1861 MGSDKIHHHHHHMRKAWVKTLALDRVSNTPVVILGIEGTNRVLPIWIGACEGHALALAMEKMEFPR PLTHDLLLSVLESLEARVDKVIIHSLKDNTFYATLVIRDLTYTDEEDEEAALIDIDSRPSDAIILAVKTGAPIF VSDNLVEKHSIELEVNERDLINSR 111111111110000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000111110000000000000000000000000000000000000 00011111111111

>DM\_train1862 MARRILSVLLENESGALSRVIGLFSQRGYNIESLTVAPTDDPTLSRMTIQTVGDEKVLEQIEKQLHKLVD VLRVSELGQGAHVEREIMLVKIQASGYGRDEVKRNTEIFRGQIIDVTPSLYTVQLAGTSGKLDAFLASIR DVAKIVEVARSGVVGLSRGDKIMR 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000011111

>DM\_train1863 GSHMSPKIVDAGTATVPHTMSTMKTADNRPASVYLKKDKPTLIKFWASWCPLCLSELGQAEKWAQD AKFSSANLITVASPGFLHEKKDGEFQKWYAGLNYPKLPVVTDNGGTIAQNLNISVYPSWALIGKDGDV QRIVKGSINEAQALALIRNPNADLGSLKHS 111111111111100000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000

>DM\_train1864 GILAEAHGTRPDLTDQPLPDADHTWYTDGSSLLQEGQRKAGAAVTTETEVIWAKALPAGTSAQRAEL IALTQALKMAEGKKLNVYTDSRYAFATAHLTSEGKEIKNKDEILALLKALFLPKRLSIIHCPGHQKGHSAE ARGNRMADQAARKAAITETPDTSTLL 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000001111100000000000000000 00000000000111

>DM\_train1865

GEFETLEQLKESLKKEGKEIYDVEMKESMREQLLEKLPEIVEIEISDRTLEILVNEAINRLKREGRYEQIVSSY ESEEKFREELKERILDDIKRDRVIEVLAQEKGISVNDEELEKEAEELAPFWGISPDRAKSLVKARQDLREEL RWAILKRKVLDLLLQEVE

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>DM\_train1866 PRILGRNIGSHHVRVEHFMNHSITTLAKDTPLEEVVKVVTSTDVTEYPLVESTESQILVGIVQRAQLVQA LQAEPPSRAPGHQQCLQDILARGCPTEPVTLTLFSETTLHQAQNLFKLLNLQSLFVTSRGRAVGCVSW VEMKKAISNLTNPPAPKEFLEVLFQG 111111111000000000000000000000000000000000000000000000000000000000000000011 111110000000000000000000000000000000000000000000000000000000000000000000000 00000000000111

>DM\_train1867 MFHILRLESTVDLSEPLKDNGIIVFQSDKLDLEPSPNLGPTGIDNTNVNLINAKGDVLLHIGIRRRENAFV FNSIPYGESRGPEERIPLEGTFGDRRDPSITIFDHPDRYQIMIDYKTVYYYKKRLEGRCEKVSYKINEGQTP PFSDVLGVTVLYFANVMPRAN 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000111111

>DM\_train1868 LPLDERAFEKTLTPIIQEYFEHGDTNEVAEMLRDLNLGEMKSGVPVLAVSLALEGKASHREMTSKLLSD LCGTVMSTTDVEKSFDKLLKDLPELALDTPRAPQLVGQFIARAVGDGILCNTYIDSYKGTVDCVQARA ALDKATVLLSMSKGGKRKDSVWGSGGG 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000001 11111111111111

>DM\_train1869 MGGSHHHHHHGMASSSDGHNGLGKGFGDHIHWRTLEDGKKEAAASGLPLMVIIHKSWCGACKAL KPKFAESTEISELSHNFVMVNLEDEEEPKDEDFSPDGGYIPRILFLDPSGKVHPEIINENGNPSYKYFYVS AEQVVQGMKEAQERLTGDAFRKKHLEDEL 111111111111111111111000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000011111111

>DM\_train1870 MTVNLEEKRPEIVGPEKVQSPYPIRFEGKVVHGFGRGSKELGIPTANISEDAIQELLRYRDSGVYFGYAM VQKRVFPMVMSVGWNPYYKNKLRSAEVHLIERQGEDFYEEIMRVIVLGYIRPELNYAGLDKLIEDIHTD IRVALNSMDRPSYSSYKKDPFFKV 111111111000000000000000000000000000000000000000000000000000000000000000000 000000011111111111000000000000000000000000000000000000000000000000000000000 0000000000000

>DM\_train1871 GSREEPSDLEELEQFAKTFKQRRIKLGFTQGDVGLAMGKLYGNDFSQTTISRFEALNLSFKNMCKLKPL LEKWLNDAENLSSDSSLSSPSALNSPGIEGLSRRRKKRTSIETNIRVALEKSFLENQKPTSEEITMIADQL

NMEKEVIRVWFCNRRQKEKRINP 111111100000000000000000000000000000000000000000000000000000000000000000000 000111111111111111111111111100000000000000000000000000000000000000000000000 0000000000000

>DM\_train1872 MTNNDTTLQLSSVLNRECTRSRVHCQSKKRALEIISELAAKQLSLPPQVVFEAILTREKMGSTGIGNGIA IPHGKLEEDTLRAVGVFVQLETPIAFDAIDNQPVDLLFALLVPADQTKTHLHTLSLVAKRLADKTICRRL RAAQSDEELYQIITDTEGTPDEA 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000111111

>DM\_train1873 GMSVAAEVAQVAQSAIDDFNAAYGLCLDDDRLEQWPTLFVDDCLYQVIARENVDNGLPAAVMYC DSKGMLADRVVALRKANVFPEHFNRHLIGRAVITGVEGDQVSAEASYVVFQTRNDGETRIYNAGKYV DRFDLSGGTVRLKSRTCIYDTLRIATLLATPI 111111000000000000000000000000000000000000000000000000000000000000000000000 000000111100000000000000000000000000000000000000000000000000000000000000000 0000000000000

>DM\_train1874 GMLDNAIPQGFEDAVELRRKNRETVVKYMNTKGQDRLRRHELFVEDGCGGLWTTDTGSPIVIRGKD KLAEHAVWSLKCFPDWEWYNIKVFETDDPNHFWVECDGHGKILFPGYPEGYYENHFLHSFELDDGKI KRNREFMNVFQQLRALSIPVPQIKREGIPT 111111111000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000

>DM\_train1875 QSRERLVKWLQDAYAMEKEAETMMAAMASRIEHYPELKRRIEQHVEETQQQSAGVQRCLELLNGSI PTAKGMLSSVLASMHAAGNSMMTDEVTKGVGISYAFEHLEIASYRALVVAARSAGEQEVAQICEDIL QQEIEMAEWLIEHQEAIVVAFLEREQLEGV 000000000000000000000000000000000000000000000000000000000000000000000111111 111111111111000000000000000000000000000000000000000000000000000000000000000 0000000000111

>DM\_train1876 GHMNSKNTICLWYDSAALEAATFYAETFPDSAVLAVHRAPGDYPSGKEGDVLTVEFRVMGIPCLGLN GGPAFRHSEAFSFQVATDDQAETDRLWNAIVDNGGEESACGWCRDKWGISWQITPRVLSEAIASPD RAAARRAFEAMMTMGRIDIATIEKAFKGGS 111100000000000000000000000000000000000011111111100000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000111

>DM\_train1877 MSLRVRIAVIGKLDGFIKEGIKHYEKFLRRFCKPEVLEIKRVHRGSIEEIVRKETEDLTNRILPGSFVMVMD KRGEEVSSEEFADFLKDLEMKGKDITILIGGPYGLNEEIFAKAHRVFSLSKMTFTHGMTVLIVLEQIFRAFK IIHGENYHYEGGSHHHHHH 110000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1878 GMTLPPYHTPLPAETLRALSIPAPWTFGLADRVRFGELDAIGHVNHTAYLRWYESFRLPFLKARHVTDY GPTSPRLVLKQVHCTYLAEMGMGEDYVITGRVSNFRTTSFTMEFACWRLGDAVECTSEGSAVVVLLN RDGSGRYPIPEAGRASFVTEDGVLAAG 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000001

>DM\_train1879 GMAFMEKIFPDILEAIRNEEIIKESKKIPMPYFGLFALVIFDKVKELGSETSLYEIGEEFGKMLSPKNIEELKKI FKLMNFGDLEIDENKILLKNPPYKIKLSNPPYQWVSKEEPIHDFIAGILAGCLEEIFYYYFVVNEVECVSQ GKDKCVFEVKEVDELNK 000000000000000000000000000000000000000000000110000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000001111

>DM\_train1880 ATPAAQASDDRYEVTQQRNPDAACLDCHKPDTEGMHGKHASVINPNNKLPVTCTNCHGQPSPQH REGVKDVMRFNEPMYKVGEQNSVCMSCHLPEQLQKAFWPHDVHVTKVACASCHSLHPQQDTMQ TLSDKGRIKICVDCHSDQRTNPNFNPASVPLLKEQP 111111111111111111000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000111

>DM\_train1881 KHHHHHHIKPGALCVIDTPEGKGTGFFSGNDIVTAAHVVGNNTFVNVCYEGLMYEAKVRYMPEKDI AFITCPGDLHPTARLKLSKNPDYSCVTVMAYVNEDLVVSTAAAMVYGNTLSYAVRTQDGMSGAPVC DKYCRVLAVHQTNTGYTGGAVIIDPTDFHPV 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000001

>DM\_train1882 MSVMYKKILYPTDFSETAEIALKHVKAFKTLKAEEVILLHVIDEREIKKRDIFSLLLGVAGLNKSVEEFENEL KNKLTEEAKNKMENIKKELEDVGFKVKDIIVVGIPHEEIVKIAEDEGVDIIIMGSHGKTNLKEILLGSVTEN VIKKSNKPVLVVKRKNS 000000000000000000000000000000000000000000000000111111111111111110000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000

>DM\_train1883 MPETDFEEKMILIRRTARMQAGGRRFRFGALVVVGDRQGRVGLGFGKAPEVPLAVQKAGYYARRNM VEVPLQNGTIPHEIEVEFGASKIVLKPAAPGTGVIAGAVPRAILELAGVTDILTKELGSRNPINIAYATME ALRQLRTKADVERLRKGEAHAQAQG 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000011111111

>DM\_train1884 LSSPADSYNEGVKLQPQEISPPPTANLDRSNDKVYENVTGLVKAVIEMSSKIQPAPPEEYVPMVKEVG LALRTLLATVDETIPLLPASTHREIEMAQKLLNSDLGELINKMKLAQQYVMTSLQQEYKKQMLTAAHA LAVDAKNLLDVIDQARLKMLGQTRPH 111111111111111111111111100000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000

>DM\_train1885 MSEQAPAPKRGRRFKEQTPVQRALGLLVHREHSKKELNRKLQARGIEPEAAQAAVERLAGEGWQDD VRFAASVVRNRASSGYGPLHIRAELGTHGLDSDAVSAAMATFEGDWTENALDLIRRRFGEDGPVDLA QRRKAADLLARRGFDGNSIRLATRFDLED 111111111111111100000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000001111

>DM\_train1886 LIEGSERLSGLTDVDEVIKDLSRLLRKLVKTRWIAVYFFDRERRDFAPARSTGLPASFLPVFREMPLAPDKI PLLKSMLRKRQHLMLTDPGSSDLLTPKLRKLLRNLCVLAVPMVVRTQVIGAVFMARTRDNPPFSDAET AIIRDLVSHAALVVSHMQLFDE 111111110000000000000000000000000000000011100000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000

>DM\_train1887 MDFRIGQGYDVHQLVPGRPLIIGGVTIPYERGLLGHSDADVLLHAITDALFGAAALGDIGRHFSDTDP RFKGADSRALLRECASRVAQAGFAIRNVDSTIIAQAPKLAPHIDAMRANIAADLDLPLDRVNVKAKTN EKLGYLGRGEGIEAQAAALVVREAAA 000000000000000111100000000111100011000000000000000000000000000001111000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000001111

>DM\_train1888 MPKSEIRKLLQEIKKQVDNPGNSSTTEIKKMASEAGIDEQTAEEIYHLLTEFYQAVEEHGGIEKYMHSNI SWLKIELELLSACYQIAILEDMKVLDISEMLSLNDLRIFPKTPSQLQNTYYKLKKELIQVEDIPKNKPGRKR KTQKNTKKEKTNIFGKVVPA 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000001111111 111111111111

>DM\_train1889 EDYSVVNRFESHGGGWGYSAHSVEAIRFSADTDILLGGLGLFGGRGEYTAKIKLFELGPDGGDHETDG DLLAETDVLAYDCAAREKYAMMFDEPVLLQAGWWYVAWARVSGPSSDCGSHGQASITTDDGVIFQ FKSSKKSNNGTDVNAGQIPQLLYRLPTSD 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000111

>DM\_train1890 PRAAGHSEEVLEREASFSLTTIDGEVISLNNVGGDVVILWFMAAWCPSCVYMADLLDRLTEKYREISVI

AIDFWTAEALKALGLNKPGYPPPDTPEMFRKFIANYGDPSWIMVMDDGSLVEKFNVRSIDYIVIMDKS SNVLYAGTTPSLGELESVIKSVQGG 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000111

>DM\_train1891 GMGGSNMKLDFSVAVHSILYLDAHRDSKVASRELAQSLHLNPVMIRNILSVLHKHGYLTGTVGKNGG YQLDLALADMNLGDLYDLTIPPTISYARFITGPSKTDEQADQSPIAANISETLTDLFTVADRQYRAYYH QFTMADLQADLNHHGTFLQHEQDSES 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000111100000000000000000000000000000000000000000000 000000000001

>DM\_train1892 GMDTRKLLLTAQEISRMKGEHKVHFLNPGAVRVNKSLGDAVGLRHMGIHLIQIEPGKESTEYHLHHYE EEAVYVLSGKGTLTMENDQYPIAPGDFVGFPCHAAAHSISNDGTETLVCLVIGQRLDQDVVDYPNQ HKRLYRNNGEWNLVDMADIRVLREPTQK 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000001111

>DM\_train1893 TDVNECLDPTTCISGNCVNTPGSYICDCPPDFELNPTRVGCVDTRSGNCYLDIRPRGDNGDTACSNEI GVGVSKASCCCSLGKAWGTPCEMCPAVNTSEYKILCPGGEGFRPNPITVILEDIDECQELPGLCQGGK CINTFGSFQCRCPTGYYLNEDTRVCD 000000000000000000000000000000000000000000000000000001111111111000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000

>DM\_train1894 ASDEEIQDVSGTWYLKAMTVDREFPEMNLESVTPMTLTTLEGGNLEAKVTMLISGRCQEVKAVLEKT DEPGKYTADGGKHVAYIIRSHVKDHYIFYSEGELHGKPVRGVKLVGRDPKNNLEALEDFEKAAGARGL STESILIPRQSETCSPGSAWSHPQFEK 111111100000000000001111111000000000000000000000000110000000000000000000000 000000000000000000000000011000000000000000000000000000000000000000000001111 111111111111

>DM\_train1895 MSFGGKSMSEHSAIVTWKRKDSEAFTDNQYSRAHTWEFDGGSKILASASPHVVPVPLSVEANVDPEE AFVAALSSCHMLVFLSIAAKQRYLVESYTDNAVGILGKNSKGKTSVTKVVLRPQVVFSGTSKPTLQQLE KMHHLAHENCFIANSVETEVVTEIIA 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000001

>DM\_train1896 VKMAETCPIFYDVFFAVANGNELLLDLSLTKVNATEPERTAMKKIQDCYVENGLISRVLDGLVMTTISS SKDCMGEAVQNTVEDLKLNTLGREICPAVKRDVDLFLTGTPDEYVEQVAQYKALPVVLENARILKNC VDAKMTEEDKENALSLLDKIYTSPLC

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>DM\_train1897 MTSSEPAHGATPKRSPSEGSADNAALCDALAVEHATIYGYGIVSALSPPGVNFLVADALKQHRHRRD DVIVMLSARGVTAPIAAAGYQLPMQVSSAADAARLAVRMENDGATAWRAVVEHAETADDRVFAST ALTESAVMATRWNRVLGAWPITAAFPGGDE 111111111111111100000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000011 111111111111

>DM\_train1898 GPMPQLTLDKTDIKILQVLQENGRLTNVELSERVALSPSPCLRRLKQLEDAGIVRQYAALLSPESVNLG LQAFIRVSIRKAKDAREDFAASVRKWPEVLSCFALTGETDYLLQAFFTDMNAFSHFVLDTLLSHHGVQ DAQSSFVLKEIKHTTSLPLNHLLKE 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000011

>DM\_train1899 MTDVIKPDYLEYDDLLDRDEMFTILEEYFMYRGLLGLRIKYGRLFNEIKKFDNDAEEQFGTIEELKQKLRL NSEEGADNFIDYIKVQKQDIVKLTVYDCISMIGLCACVVDVWRNEKLFSRWKYCLRAIKLFINDHMLD KIKSILQNRLVYVEMSKHHHHHH 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000011111111

>DM\_train1900 MAQLTHINAAGEAHMVDVSAKAETVREARAEAFVTMRSETLAMIIDGRHHKGDVFATARIAGIQAA KRTWDLIPLCHPLMLSKVEVNLQAEPEHNRVRIETLCRLTGKTGVEMEALTAASVAALTIYAMCKAVQ KDMVIGPVRLLAKSGGKSGDFKVEADD 111111111111110000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000011111

>DM\_train1901 GSSSTLTKELIKDAAEKCCTRNRQECCIEIMKFGTPIRCGYDRDPKLPGYVYKCLQNVLFAKEPKKKINL DDSVCCSVFGNDQEDSGRRCENRCKNLMTSPSIDAATRLDSIKSCSLLDNVLYKCFEKCRSLRKDGIKI EVLQFEEYCEATFIQKRTFRGV 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000011 11111111111

>DM\_train1902 SVSVDLNVDPSLQIDIPDALSERDKVKFTVHTKTTLPTFQSPEFSVTRQHEDFVWLHDTLTETTDYAGLI IPPAPTKPDFDGPREKMQKLGEGEGSMTKEEFAKMKQELEAEYLAVFKKTVSSHEVFLQRLSSHPVLSK DRNFHVFLEYDQDLSVRRKNTK 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1903 MAGTSTNTQTTGTSQTIEVGLWGGPGGNAWDDGSYTGIREINLSHGDAIGAFSVIYDLNGQPFTGPT HPGNEPSFKTVKITLDFPNEFLVSVSGYTGVLARLATGKDVIRSLTFKTNKKTYGPYGKEEGTPFSLPIEN GLIVGFKGRSGFVVDAIGFHLSL 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000

>DM\_train1904 DLYFQGGSGMQCEEKLEVFENGFKDEKFNVEVKFYGNDARKVLLAMIYELYLPEYGREYVYPFECAKE FWNIYLEGEEIQDEEFQLKPIKFTSEQVIKKLQEEIKKIKPPLEIKIEEAKIYKTKEGYLAVGNYFILDPRGRLFI FNKPSIANKILKYIWKW 000000000000000000000000000000000000000000000000000000000000000000000000000 000000111000000000000000000000000000000000000000000000000000000000000000000 00000000000

>DM\_train1905 SLDDHTRDPTVKAPDGNPSGWRTDGQWEHETLRRAVVHGVRLYNSGEFHESHDCFEDEWYNYGR GNTESKFLHGMVQVAAGAYKHFDFEDDDGMRSLFRTSLQYFRGVPNDYYGVDLLDVRTTVTNALS DPSALHGWQIRLDGEYPTCRPEDIEFAESLEH 111111111111111111111111110000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000111111 11111111111

>DM\_train1907 MSSLQSTRERVLGTPRRRYKVLVAKMGLDGHDRGAKVVARALRDAGFEVVYTGLRQTPEQVAMAA VQEDVDVIGVSILNGAHLHLMKRLMAKLRELGADDIPVVLGGTIPIPDLEPLRSLGIREIFLPGTSLGEIIE KVRKLAEEKRMREEAEASEQVGQA 111111111111111000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00001111111

>DM\_train1908 MEKTDEYLLARFKGDGVKYKAKLIGIDDVPDARGDKMSQDSMMKLKGMAAAGRSQGQHKQRIWV NISLSGIKIIDEKTGVIEHEHPVNKISFIARDVTDNRAFGYVCGGEGQHQFFAIKTGQQAEPLVVDLKDL FQVIYNVKKKEEDKKKVEEANKAEEN 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000111 1111111111

>DM\_train1909 MPSTDFADIPAAKKMKIDTCVLRFAKLTENALEPVRGSAKAAGVDLRSAYDVVVPARGKAIVKTDLQV QVPEGSYGRVAPRSGLAVKNFIDVGAGVVDEDYRGNLGVVLFNHSDVDFEVKHGDRIAQFICERIFYP QLVMVDKLEDTERGEAGFGSTGVK 111111111111111111000000000000000000000000000000000000000000000000000000000 000000111111100000000000000000000000000000000000000000000000000000000111111 1111111111

>DM\_train1910

APSYRVKRMDIAKNDEECVVNAANPRGLPGDGVCKAVYKKWPESFKNSATPVGTAKTVMCGTYPVI HAVGPNFSNYSESEGDRELAAAYREVAKEVTRLGVNSVAIPLLSTGVYSGGKDRLTQSLNHLFTAMDS TDADVVIYCRDKEWEKKISEAIQMRT

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>DM\_train1911 MQLSHRPAETGDLETVAGFPQDRDELFYCYPKAIWPFSVAQLAAAIAERRGSTVAVHDGQVLGFAN FYQWQHGDFCALGNMMVAPAARGLGVARYLIGVMENLAREQYKARLMKISCFNANAAGLLLYTQL GYQPRAIAERHDPDGRRVALIQMDKPLEP 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000001

>DM\_train1912 GMASSFLEEVDRLITLSGITFHASGTGTPELIKIYQDALGNEFPETYKLFLEKYGTLTFNGVSFYGISKRGLS AASIPDVKFATEQARTFGDINKEMIMIKNSGYGSIFSIDTSIIGSEGEPVIVETNLSFKDNTEKKVVANSFG EFLLEEIELSLTDLG 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000001

>DM\_train1913 MSSNAQVRPPLPPFTRESAIEKIRLAEDGWNSRDPERVSLAYTLDTQWRNRAEFAHNREEAKAFLTRK WAKELDYRLIKELWAFTDNRIAVRYAYEWHDDSGNWFRSYGNENWEFDEQGLMARRFACINDMPI KAQERKFHWPLGRRPDDHPGLSELGLE 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000001111

>DM\_train1914 LPGTRVTESIHKVAERVVTLVSMELPDNVRLIRDYDPSLPELAHDPDQIEQVLLNIVRNALQALGPEGG EIILRTRTAFQLTLHGERYRLAARIDVEDNGPGIPPHLQDTLFYPMVSGREGGTGLGLSIARNLIDQHSG KIEFTSWPGHTEFSVYLPIRK 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000011111111111111111111000000000000000000000000000 0000000000

>DM\_train1916 GMQGIAFQDAYPDDLSHCYGCGRNNEQGHQLKSYWRGEQTIAHFMPKPFHTAIPGFVYGGLIASLI DCHGTGSASAAAQRALEQAGEQLDEPPRFVTAALNIDYLAPTPMGVELELVGEIKEVKPRKVVVEIAL SADGKLCARGHMVAVKMPETMAATSA 111111000001111000001111111111000000000000000000000000000000000000000000000 000011111111111110000000000000000000000000000000110000000000011100000000000 0011111111

>DM\_train1917 EPTMYGEILSPNYPQAYPSEVEKSWDIEVPEGYGIHLYFTHLDIELSENCAYDSVQIISGDTEEGRLCGQ RSSNNPHSPIVEEFQVPYNKLQVIFKSDFSNEERFTGFAAYYVATDINECTDFVDVPCSHFCNNFIGGY

FCSCPPEYFLHDDMKNCGVN 000000000000000000000000000000000000000000000000000000000001110000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000

>DM\_train1918 GDSAPLNEAMAVLQHHDAVSGTSRQHVANDYARQLSEGWRPCEVLMSNALAHLSGLKEDFAFCR KLNISICPLTQTAERFQVIVYNPLGRKVDWMVRLPVSKHVYLVKDPGGKIVPSDVVTIPSSDSQELLFSA LVPAVGFSIYSVSQMPNQRPQKSWS 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 111111111

>DM\_train1919 MPPRKELVGNKWFIENYENETESLVIDANKDESIFIGKCSQVLVQIKGKVNAISLSETESCSVVLDSSISG MDVIKSNKFGIQVNHSLPQISIDKSDGGNIYLSKESLNTEIYTSCSTAINVNLPIGEDDDYVEFPISEQMK HSFADGKFKSAVFEHAG 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000111

>DM\_train1920 SVDNHGLRRCLISTDMHHIEESFQEIKRAIQAKDTFPNVTILSTLETLQIIKPLDVCCVTKNLLAFYVDRV FKDHQEPNPKILRKISSIANSFLYMQKTLRQCQEQRQCHCRQEATNATRVIHDNYDQLEVHAAAIKS LGELDVFLAWINKNHEVMSSA 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000001110000000000000000000000000000000000000000000 000000000

>DM\_train1921 RLGEVFVLDEEEIRIIQTEAEGIGPENVLNASYSKLKKFIESADGFTNNSYGATFSFQPYTSIDEMTYRHIF TPVLTNKQISSITPDMEITTIPKGRYACIAYNFSPEHYFLNLQKLIKYIADRQLTVVSDVYELIIPIHYSPKK QEEYRVEMKIRILE 000000000000000000000000000000000111111111111111100000000000000000000000000 001110000000000000000000000000000000000000000000000000000000000001111111100 000000000

>DM\_train1923 MGRGKVKPNRKSTGDNSNVVTMIRAGSYPKVNPTPTWVRAIPFEVSVQSGIAFKVPVGSLFSANFRT DSFTSVTVMSVRAWTQLTPPVNEYSFVRLKPLFKTGDSTEEFEGRASNINTRASVGYRIPTNLRQNTV AADNVCEVRSNCRQVALVISCCFN 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000

>DM\_train1924 MMESVNTSFLSPSLVTIRDFDNGQFAVLRIGRTGFPADKGDIDLCLDKMKGVRDAQQSIGDDTEFGF KGPHIRIRCVDIDDKHTYNAMVYVDLIVGTGASEVERETAEELAKEKLRAALQVDIADEHSCVTQFEM KLREELLSSDSFHPDKDEYYKDFL 111000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1925 QASGNTDQAALESAQARLAALSILVGAVGATGPGVMITIDDPGPGVAPEVMIDVINELRAAGAEAIQI NDAHRSVRVGVDTWVVGVPGSLTVDTKVLSPPYSILAIGDPPTLAAAMNIPGGAQDGVKRVGGRM VVQQADRVDVTALRQPKQHQYAQPVK 111111111111111000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000001

>DM\_train1926 GCGVEEKTEVQLLKEMPKPKAMTIDPSLSQKEATEMVHAAQRFYAFWDTGKEELIPQTVTENFFDHTL PKGRPQGTEGLKFAAQNFRKIVPNIHCEIEDLLVVGDKVTARLSFTGTHNDKKIDFFAIDILHVKDGKITE DWHLEDNLTLKQQLGLIAEE 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000011

>DM\_train1927 MDEIKIEKLKKLDKKALNELIDVYMSGYEGLEEYGGEGRDYARNYIKWCWKKASDGFFVAKVGDKIVG FIVCDKDWFSKYEGRIVGAIHEFVVDKKFQGKGIGRKLLITCLDFLGKYNDTIELWVGEKNYGAMNLYE KFGFKKVGKSGIWVRMIKRQNL 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000011

>DM\_train1928 NAMQDIHFRRHYVRHLPKEVSQNDIIKALASPLINDGMVVSDFADHVITREQNFPTGLPVEPVGVAIP HTDHKYVRQNAISVGILAEPVNFEDMGGEPDPVPVRVVFMLALGESNKQLNVLGWIMDVIQDEDF MQQLLVMNDDEIYQSIYTRISERGEV 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000001111

>DM\_train1929 SSDVNELEIGDPIPDLSLLNEDNDSISLKKITENNRVVVFFVYPRASTPGSTRQASGFRDNYQELKEYAA VFGLSADSVTSQKKFQSKQNLPYHLLSDPKREFIGLLGAKKTPLSGSIRSHFIFVDGKLKFKRVKISPEVSV NDAKKEVLEVAEKFKEE 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000001

>DM\_train1930 MGSDKIHHHHHHMRTLNKDEHNYIKQIANIHETLLSQVESNYKCTKLSIALRYEMICSRLEHTNDKIYI YENEGQLIAFIWGHFSNEKSMVNIELLYVEPQFRKLGIATQLKIALEKWAKTMNAKRISNTIHKNNLPM ISLNKDLGYQVSHVKMYKDID 111111111100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000011111111111111111111 111111111

>DM\_train1931 MTFQASGTTGITTLTVTEECRVQVGNVTATLARSKLKDDTAIGVIGVTALGCNGLQAALQADPDNYD ATNLYMTSRNHDKLNVKLKATDGSSWTYGNGVFYKTEGGNWGGHVGISVDGNQTDKPTGEYTLNL TGGYWTNDNKQTFQASGTTGITTLTLE 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000111111111111 111111111

>DM\_train1932 GSAMASNAVLYKSNHNVVYSCKYHIVWCPKYRRKVLVGAVEMRLKEIIQEVAKELRVEIIEMQTDKDH IHILADIDPSFGVMKFIKTAKGRSSRILRQEFNHLKTKLPTLWTNSCFISTVGGAPLNVVKQYIENQQNS NRPKQKEKWKSYVDNLQTKAL 111111111000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000001111111111111111 111111111

>DM\_train1933 MFDQLAVFTPQGQVLYQYNCLGKKFSEIQINSFISQLITSPVTRKESVANANTDGFDFNLLTINSEHKN SPSFNALFYLNKQPELYFVVTFAEQTLELNQETQQTLALVLKLWNSLHLSESILKNRQGQNEKNKHNY VDILQGIEDDLKKFEQYFRIK 000000000000000000000000000000000000000000000000000000000000000011111111000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000111

>DM\_train1934 TDENLKIAIASSPAPRYITDMSIEEISREWYMLMPRQKITGGLMVKMDQAIMDKRITLKANFSVLFDQL ETLVSLRAFTDDGAIVAEISPIPSMPGHSTEDVKNAIGILIGGLEWNDNSIRASENIQRFAWGIRDENGG PPLPPKQKRYMARRVESEV 111111111111111100000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000011111111111111111111 11111111

>DM\_train1935 PPTIQEIKQKIDSYNSREKHCLGMKLSEDGTYTGFIKVHLKLRRPVTVPAGIRPQSIYDAIKEVNPAATTD KRTSFYLPLDAIKQMHISSTTTVSEVIQGLLDKFMVVDNPQKFALFKRIHKDGQVLFQKLSIADYPLYLR LLAGPDTDVLSFVLKEN 000000000000000000000000000000000000000000000000011111111111111111111111110 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000

>DM\_train1936 ERLRVAAYCRVSTDSEDQLNSYKSQVQYYTDMIKKNKEWVLADIYADEAITGTQVTKREDFQRMIND CMNGEIDMVFTKSISRFARNTLDTLKYVRMLKERNIAVYFEDEKINTLTMDGELLLVVLSSVAQQEVEN ISANVKKGLKMKMKRGELVGFQ 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000011111111111111 11111111

>DM\_train1937 GSSMALLQKTRIINSMLQAAAGKPVNFKEMAETLRDVIDSNIFVVSRRGKLLGYSINQQIENDRMKKM

LEDRQFPEEYTKNLFNVPETSSNLDINSEYTAFPVENRDLFQAGLTTIVPIIGGGERLGTLILSRLQDQFN DDDLILAEYGATVVGMEIL 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000

>DM\_train1938 GSHMNTAEEDMEDDTSWRSEATFQFTVERFSRLSESVLSPPCFVRNLPWKIMVMPRFYPDRPHQKS VGFFLQCNAESDSTSWSCHAQAVLKIINYRDDEKSFSRRISHLFFHKENDWGFSNFMAWSEVTDPEK GFIDDDKVTFEVFVQADAPHGVAWD 111111111111110000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000

>DM\_train1939 SNAMEILYIKGDATAPIGSGVKVITHICNDIGGWGKGFVLALSKKWKMPEEAYRQWYKSQEEFTLGAV QFVNVENKLYVANMIGQHGIYKDSKGLPPIRYDAVRQCLKEVALFTIAHKASVHMPRIGCGLAGGKW ELMEQIIKEELITKEIAVTVYDL 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000

>DM\_train1940 GMSDDLTDAQTAAIPEGFSQLNWSRGFGRQIGPLFEHREGPGQARLAFRVEEHHTNGLGNCHGGM LMSFADMAWGRIISLQKSYSWVTVRLMCDFLSGAKLGDWVEGEGELISEEDMLFTVRGRIWAGERTLI TGTGVFKALSARKPRPGELAYKEEA 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00001111

>DM\_train1941 SGAISGDSLISLASTGKRVSIKDLLDEKDFEIWAINEQTMKLESAKVSRVFMTGKKLVYILKTRLGRTIKAT ANHRFLTIDGWKRLDELSLKEHIALPRKLESSSLQLSPEIEKLSQSDISWDSIVSITETGVEEVFDLTVPGP HNFVANDIIVHASI 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000011111111111111111000000000000000000000000000000000 00000000

>DM\_train1942 MGVFTFQDEYTSTIAPAKLYKALVTDADIIIPKAVETIQSVEIVEGNGGPGTIKKLTFIEGGESKYVLHKIEA IDEANLGYNYSIVGGVGLPDTIEKISFETKLVEGANGGSIGKVTIKIETKGDAQPNEEEGKAAKARGDAF FKAIESYLSAHPDYN 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000

>DM\_train1943 VDLGSKSSNSTCRLNVTELASIHPGETWTLHGMCISICYYENVTEDEIIGVAFTWQHNESVVDLWLYQ NDTVIRNFSDITTNILQDGLKMRTVPVTKLYTSRMVTNLTVGRYDCLRCENGTTKIIERLYVRLGSLYPR PPGSGLAKHPSVSADEELSA

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>DM\_train1944 MAPKRSRRSNRRAGSRAAATSLVYDTCYVTLTERATTSFQRQSFPTLKGMGDRAFQVVAFTIQGVSA APLMYNARLYNPGDTDSVHATGVQLMGTVPRTVRLTPRVGQNNWFFGNTEEAETILAIDGLVSTKG ANAPSNTVIVTGCFRLAPSELQSS 111111111111111100000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000

>DM\_train1945 VMKLESDKTFPIMLEGKINGYACVVGGKLFRPMHVEGKIDNDVLAALKTKKASKYDLEYADVPQNMR ADTFKYTHEKPQGYYSWHHGAVQYENGRFTVPKGVGAKGDSGRPILDNQGRVVAIVLGGVNEGSR TALSVVMWNEKGVTVKYTPENCEQW 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000

>DM\_train1946 MSHPDLNKLLELWPHIQEYQDLALKHGINDIFQDNGGKLLQVLLITGLTVLPGREGNDAVDNAGQEY ELKSINIDLTKGFSTHHHMNPVIIAKYRQVPWIFAIYRGIAIEAIYRLEPKDLEFYYDKWERKWYSDGHKD INNPKIPVKYVMEHGTKIY 000000000000000000000000000000000000000000000000000011100000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000

>DM\_train1948 SDVAFRGNLLDRPCHVSGDSLNKHVVFKTRASRDFWYPPGRSPTESFVIRLENCHATAVGKIVTLTFK GTEEAALPGHLKVTGVNAGRLGIALLDTDGSSLLKPGTSHNKGQGEKVTGNSLELPFGAYVVATPEAL RTKSVVPGDYEATATFELTYR 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000

>DM\_train1949 MGAMHVLTLDLAPVTPKDAPLLHRVFHLSPSYFALIGMELPTLEDVVRDLQTLEVDPRRRAFLLFLGQ EPVGYLDAKLGYPEAEDATLSLLLIREDHQGRGLGRQALERFAAGLDGVRRLYAVVYGHNPKAKAFF QAQGFRYVKDGGPTLTWYVRPL 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000

>DM\_train1950 SSPNILLTRIDNRLVHGQVGVTWTSTIGANLLVVVDDVVANDDIQQKLMGITAETYGFGIRFFTIEKTIN VIGKAAPHQKIFLICRTPQTVRKLVEGGIDLKDVNVGNMHFSEGKKQISSKVYVDDQDLTDLRFIKQR GVNVFIQDVPGDQKEQIPD 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1951 YFGKLESKLSVIRNLNDQVLFIDQGNRPLFEDMTDSDSRDNAPRTIFIISMYKDSQPRGMAVTISVKSE KISTLSSENKIISFKEMNPPDNIKDTKSDIIFFQRSVPGHDNKMQFESSSYEGYFLASEKERDLFKLILKKE DELGDRSIMFTVQNED 000000000000000000000000000000001111111110000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000111000000000000000000 0000001

>DM\_train1952 GNIESIENLQGIRALQQQAPQLLSSGLPNEQQFSLLKQAGVDVVINLMPDSSKDAHPDEGKLVTQAG MDYVYIPVDWQNPKVEDVEAFFAAMDQHKGKDVLVHCLANYRASAFAYLYQLKQGQNPNMAQT MTPWNDELAIYPKWQALLTEVSAKYGH 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000110000000000000 0000000

>DM\_train1953 MYSIEVRTHSALHVVKGAVVKVLGSEAKWTYSTYVKGNKGVLIVKFDRKPSDEEIREIERLANEKVKEN APIKIYELPREEAEKMFGEDMYDLFPVPEDVRILKVVVIEDWNVNACNKEHTKTTGEIGPIKIRKVRFRKS KGLLEIHFELLELENPS 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0111111

>DM\_train1954 MALFSAQSPYINPIIPFTGPIQGGLQEGLQVTLQGTTKSFAQRFVVNFQNSFNGNDIAFHFNPRFEEG GYVVCNTKQNGQWGPEERKMQMPFQKGMPFELCFLVQRSEFKVMVNKKFFVQYQHRVPYHLVDT IAVSGCLKLSFITFQTQNFRPAHQA 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000001 1111111

>DM\_train1955 GMPALITYRTTVQEDWVDYNGHLRDAFYLLIFSYATDALMDRIGLDADSRGQSGNSLFTLEAHINYLH EVKLGTEVWVQTQILGFDRKRLHVYHSLHRAGFDEVLAASEQMLLHVDLAGPQSAPFGHTTVCRLN HLVEQQEGAQAPQYMGRTIKLPA 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000111000000000000000000000000000000 0000000

>DM\_train1956 MSSSIREEVHRHLGTVALMQPALHQQTHAPAPTEITHTLFRAYTRVPHDVGGEADVPIEYHEKEEEIW ELNTFATCECLAWRGVWTAEERRRKQNCDVGQTVYLGMPYYGRWLLTAARILVDKQFVTLTELHNK IVEMRERVASGQGLGEYLPPKAK 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000111

>DM\_train1957

MKLHDLKPTPGSRKDRKRVGRGPGGTDKTAGRGHKGQKSRSGAGKGAFFEGGRSRLIARLPKRGFN NVGTTYEVVKLSQLQDLEDTTFDRDTLEAYRLVRRKNRPVKLLASGEISRAVTVHVDAASAAAIKAVEA AGGRVVLPEVQTQQDDAQKAE 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000111111 111111

>DM\_train1958 MSDRKPVRGRHQARKRAVALLFEAEVRGISAAEVVDTRAALAEAKPDIARLHPYTAAVARGVSEHAA HIDDLITAHLRGWTLDRLPAVDRAILRVSVWELLHAADVPEPVVVDEAVQLAKELSTDDSPGFVNGVL GQVMLVTPQLRAAAQAVRGGA 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000011111111111 111111

>DM\_train1959 MLKQVEIFTDGSALGNPGPGGYGAILRYRGREKTFSAGYTRTTNNRMELKAAIEGLKALKEPAEVDLYT DSHYLKKAFTEGWLEGWRKRGWRTAEGKPVKNRDLWEALLLAMAPHRVRFHFVKGHAGHPENERA DELARAAAMNPTLEDTGYQVEV 000000000000000000000000000000000000000000000000000000000000000000000000000 000001111111111111111100000000000000000000000000000000000000000000000000000 001111

>DM\_train1960 MIVTSGVLVENGKVLLVKHKRLGVYIYPGGHVEHNETPIEAVKREFEEETGIVVEPIGFTYGIIDENAVER PMPLVILEEVVKYPEETHIHFDLIYLVKRVGGDLKNGEWIDVREIDRIETFPNVRKVVSLALSTLYRLGKIS KLAAALEHHHHHH 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000111 111111

>DM\_train1961 MSSRSELLLEKFAEKIGIGSISFNENRLCSFAIDEIYYISLSDANDEYMMIYGVCGKFPTDNSNFALEILNA NLWFAENGGPYLCYEAGAQSLLLALRFPLDDATPEKLENEIEVVVKSMENLYLVLHNQGITLENEHMK IEEISSSDNKHYYAGR 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000001111100000001111 111111

>DM\_train1962 MWGKKDAGTELTNYQTLATNTIGMMKGVDGYAFTSGAKMTDTLIQAGAAKGMTVSGDPASGSAT LWNSWGGQIVVAPDTAGGTGFNNGFTITTNKVPQSACVSISTGMSRSGGTSGIKINGNNHTDAKVT AEIASSECTADNGRTGTNTLVFNYNG 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000

>DM\_train1963 GMPENTAMAALLPEESLFFRELVKQWRAQDSYGTWEKKSDMELLAPYVLDKEQRRAIPIIGDPDPEIL WRVELFYNAVGLATERASGVMVSPMMKMSHEGFGRMVLIAGRLIVVNKQLRDVHRFGFPSMEKLA

EEGDKLVAGALEMIEKFPEVARF 111111111110000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000000

>DM\_train1964 GGGVMHYTDKAALPADGEAREVAALFDTWNAALATGNPHKVADLYAPDGVLLPTVSNEVRASREQ IENYFEMFLTKKPKGVINYRTVRLLDDDSAVDAGVYTFTLTDKNGKKSDVQARYTFVYEKRDGKWLIIN HHSSAMPEVDTATATAAVTKAK 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000001111111 111111

>DM\_train1965 HMLLTTSRKPSQRTRSFSQRLSRIMGWRYINRGKMSLRDVLIEARGPVAVVSERHGNPARITFLDERG GERGYILFNPSFEMKKPELADKAVRVSSCPPGSEGLCNLMGLEVDESSSRDAWSIRTDEEYAWVMEL MDARGTPAGFKLLIRDFRVGE 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000001110000000000000000000000000011000000000000000000000000000000000 000001

>DM\_train1966 VTDVLLCVGNSMMGDDGAGPLLAEKCAAAPKGNWVVIDGGSAPENDIVAIRELRPTRLLIVDATDM GLNPGEIRIIDPDDIAEMFMMTTHNMPLNYLIDQLKEDIGEVIFLGIQPDIVGFYYPMTQPIKDAVETVY QRLEGWEGNGGFAQLAVEEE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000111

>DM\_train1968 SITKPQNKSAKLVDGELLVKASVESFGLEDEKYWFLVCCELSNGKTRQLKRYYQDFYDLQVQLLDAFP AEAGKLRDAGGQWSKRIMPYIPGPVPYVTNSITKKRKEDLNIYVADLVNLPDYISRSEMVHSLFVVLN NGFDREFERDENGSHHHHHH 111111111100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000011111 111111

>DM\_train1969 MPLLSASIVSAPVVTSETYVDIPGLYLDVAKAGIRDGKLQVILNVPTPYATGNNFPGIYFAIATNQGVV ADGCFTYSSKVPESTGRMPFTLVATIDVGSGVTFVKGQWKSVRGSAMHIDSYASLSAIWGTAAPSSQ GSGNQGAETGGTGAGNIGGG 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000111111111111111111 111111

>DM\_train1970 MLEDLIGKAYLESAEDRRRGDRSEEVEAIRKYIRSARRTVVPNWNAEKVDAINDVLRSFNLREAEHLQF NTNWADLTRMPAVTKALMALDISGADLVIARGRLGVPGSGSLLVIMDSRGRLLSAAMSPPHVIHSME VREAVRSEMTHALERIGFKR 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1971 ALSPPRRKSFKKWTPPRSPFNLVQEILFHDPWKLLIATIFLNRTSGKMAIPVLWEFLEKYPSAEVARAAD WRDVSELLKPLGLYDLRAKTIIKFSDEYLTKQWRYPIELHGIGKYGNDSYRIFCVNEWKQVHPEDHKLN KYHDWLWENHEKLSLS 111111111110000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000

>DM\_train1972 GTGQAADLKSTQAAIDQINGKLNRVIEKTNEKFHQIEKEFSEVEGRIQDLEKYVEDTKIDLWSYNAELL VALENQHTIDLTDSEMNKLFEKTRRQLRENAEEMGNGSFKIYHKCDNACIESIRNGTYDHDVYRDEAL NNRFQIKGVELKSGYKDW 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000111111111000000000000000000000000000000000000000011111 11111

>DM\_train1974 GTLDSTWKEATLPQVKAMLEKDDGKVSGDTVTYSGKTVHVVAAAVLPGFPFPSFEVHDKKNPTLEIP AGATVDVTFINTNKGFGHSFDITKKGPPYAVMPVIDPIVAGTGFSPVPKDGKFGYTDFTWHPTAGTYY YVCQIPGHAATGMFGKIVVK 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00000

>DM\_train1975 MIISSLTNPNFKVGLPKVIAEVCDYLNTLDLNALENGRHDINDQIYMNVMEPETAEPSSKKAELHHEYL DVQVLIRGTENIEVGATYPNLSKYEDYNEADDYQLCADIDDKFTVTMKPKMFAVFYPYEPHKPCCVV NGKTEKIKKLVVKVPVKLI 000000000000000000000000000000000000000000000000000011111111000000000000000 000000000000000000000000000000000000000000000000000000000000111111100000000 00000

>DM\_train1976 MKAPELQIQQWFNSATDLTLADLRGKVIVIEAFQMLCPGCVMHGIPLAQKVRAAFPEDKVAVLGLHT VFEHHEAMTPISLKAFLHEYRIKFPVGVDQPGDGAMPRTMAAYQMRGTPSLLLIDKAGDLRAHHFG DVSELLLGAEIATLLGEAAPSV 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00111

>DM\_train1977 MAMRKIYIAGPAVFNPDMGASYYNKVRELLKKENVMPLIPTDNEATEALDIRQKNIQMIKDCDAVIA DLSPFRGHEPDCGTAFEVGCAAALNKMVLTFTSDRRNMREKYGSGVDKDNLRVEGFGLPFNLMLYD GVEVFDSFESAFKYFLANFPSK 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00001

>DM\_train1978 MGSDKIHHHHHHMSKKQKSKYIVIFGCGRLGSLIANLASSSGHSVVVVDKNEYAFHRLNSEFSGFTVV GDAAEFETLKECGMEKADMVFAFTNDDSTNFFISMNARYMFNVENVIARVYDPEKIKIFEENGIKTICP AVLMIEKVKEFIIGSEED 111111111111111000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00111

>DM\_train1979 MDIREIEQERASFAFKVVSDIKDKYSQNKKVQGKYSSYAEKAPTIILNNGLGATLAFFLSKLEKPIDDVDY KSINPESFGNAENIAYAFLYKHLSTWLAEGNGKDSAFSGLTNGEDPLKYIMEKTAIDVAISTEEALSILN WIKKFAKAMLEEEL 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 00011

>DM\_train1980 MSLIPKFRAWDTYEKEMLENVTPLFDDSNSMIAIITDFQIKGSPGTSEIEIGSYDTTFNWDEFPYVIMQS TGLKDKNGVEIFEGDILVYDAPKKYAHRRSMHEIAYADGRFFWEFLDLVFCQSNILYRDGYLVIGNIHE NPELLEGNEGHHHHHH 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000111111 11111

>DM\_train1981 GSRATVFKLGLFKSLFLCSFHDITRLFKNDKTTNQQWVLAVFGLAEVFFEASFELLKKQCSFLQMQKRS HEGGTCAVYLICFNTAKSRETVRNLMANMLNVREECLMLQPPKIRGLSAALFWFKSSLSPATLKHGAL PEWIRAQTTLNESLQTE 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000011 1111

>DM\_train1982 PVVIKTEGPAWTPLEPKLITRLADTVRTKGLRSPITMAEVEALMSSPLLPHDVTNLMRVILGPAPYALW MDAWGVQLQTVIAAATRDPRHPANGQGRGERTNLNRLKGLADGMVGNPQGQAALLRPGELVAIT ASALQAFREVARLAEPAGPWA 000001110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000001110000000000000000000000000000000000000000000000000111 1111

>DM\_train1983 EELIEIREARMDDLDTIAKFNYNLAKETEGKELDMDVLTKGVKALLLDERKGKYHVYTVFDKVVAQIMY TYEWSDWRNGNFLWIQSVYVDKEYRRKGIFNYLFNYIKNICDKDENIVGMRLYVEKENINAKATYESL NMYECDYNMYEYEVIHS 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0001

>DM\_train1984 GMFASLVIPVSAQANSGEMPQEQQLAVKYMDALTEHDYKTLITFYNRDSIFFDKTANRKYTGGRFIID

FLERAHQGVLEYDFNIEHMYNAGSLVVMIGNYHFKGPGEQFGKPGKIIDVAIPAVTSLKLDMLNRRVT EHVDLIDYQTMSDQLAMQ 111111111111111110000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000

>DM\_train1985 MKKILLLNGPNLNMLGKREPHIYGSQTLSDIEQHLQQSAQAQGYELDYFQANGEESLINRIHQAFQN TDFIIINPGAFTHTSVAIRDALLAVSIPFIEVHLSNVHAREPFRHHSYLSDVAKGVICGLGAKGYDYALDF AISELQKIQLGEMMNG 000000000000000001111111100000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000001111 1111

>DM\_train1986 MGSDKIHHHHHHMSDSLVVCEVDPELKETLRKFRFRKETNNAAIIMKVDKDRQMVVLEDELQNISPE ELKLELPERQPRFVVYSYKYVHDDGRVSYPLCFIFSSPVGCKPEQQMMYAGSKNRLVQTAELTKVFEIR TTDDLTETWLKEKLAFFR 111111111111111110000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0000

>DM\_train1987 MGSSSSGLVPRGSSFMLQHLNSGWAVDQAIVNEDERLVCIRFGHDYDPDCMKMDELLYKVADDIK NFCVIYLVDITEVPDFNTMYELYDPVSVMFFYRNKHMMIDLGTGNNNKINWPMNNKQEFIDIVETIF RGARKGRGLVISPKDYSTKYKY 111111111111111000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000011 1111

>DM\_train1988 MAGDPNSMTVSHHNASTARFYALRLLPGQEVFSQLHAFVQQNQLRAAWIAGCTGSLTDVALRYAG QEATTSLTGTFEVISLNGTLELTGEHLHLAVSDPYGVMLGGHMMPGCTVRTTLELVIGELPALTFSRQP CAISGYDELHISSRLEHHHH 111111111110000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000001 1111

>DM\_train1989 GMTRTMSFHKNCELCTTAGGEILWQDALCRVVHVENQDYPGFCRVILNRHVKEMSDLRPAERDHL MLVVFAVEEAVREVMRPDKINLASLGNMTPHVHWHVIPRFKRDRHFPNSVWGETKRESLPQALDQ GSTTALKKAISVRLDQGEPVFMGM 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000011111 1111

>DM\_train1990 SNAMTQQDFRTKVDNTVFGVRATALIVQNHKLLVTKDKGKYYTIGGAIQVNESTEDAVVREVKEELG VKAQAGQLAFVVENRFEVDGVSYHNIEFHYLVDLLEDAPLTMQEDEKRQPCEWIDLDKLQNIQLVPV FLKTALPDWEGQLRHIHLEE

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>DM\_train1991 GHMPLPTELARHLTEEKIAFVQRSGLRAEVLEPGYVRLRMPGAGNENHIGSMYAGALFTLAELPGGAL FLTSFDSARFYPIVKEMTLRFRRPAKGDIRVEARLDAERIRQLETEAGERGKAEYSLELQLTDEQGEVVA ESAALYQLRSHARPGS 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000001 1111

>DM\_train1992 MGKSASKQFHNEVLKAHNEYRQKHGVPPLKLCKNLNREAQQYSEALASTRILKHSPESSRGQCGENL AWASYDQTGKEVADRWYSEIKNYNFQQPGFTSGTGHFTAMVWKNTKKMGVGKASASDGSSFVVA RYFPAGNVVNEGFFEENVLPPKK 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 0011

>DM\_train1993 APVRSLNCTLRDSQQKSLVMSGPYELKALHLQGQDMEQQVVWSMSFVQGEESNDKIPVALGLKEK NLYLSCVLKDDKPTLQLESVDPKNYPKKKMEKRFVFNKIEINNKLEFESAQFPNFYISTSQAENMPVFL GGTKGGQDITDFTMQFVSS 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000111100000000000 000

>DM\_train1994 MNVRATYTVIFKNASGLPNGYDNWGWGCTLSYYGGAMIINPQEGKYGAVSLKRNSGSFRGGSLRFD MKNEGKVKILVENSEADEKFEVETISPSDEYVTYILDVDFDLPFDRIDFQDAPGNGDRIWIKNLVHSTGS ADDFVDPINLEHHHHHH 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000011111111 111

>DM\_train1995 SNAMAKNKLLRMDNVSIVVESLDNAISFFEEIGLNLEGRANVEGEWAGRVTGLGSQCVEIAMMVTP DGHSRIELSRFLTPPTIADHRTAPVNALGYLRVMFTVEDIDEMVSRLTKHGAELVGEVVQYENSYRLCY IRGVEGILIGLAEELGNK 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 011

>DM\_train1996 MTDDSAVESKQKKSKIRKGHWIPVVAGFLRKDGKILVGQRPENNSLAGQWEFPGGKIENGETPEEAL ARELNEELGIEAEVGELKLACTHSYGDVGILILFYEILYWKGEPRAKHHMMLEWIHPEELKHRNIPEANR KILHKIYKALGLEWRK 111111111111111110000000000000000000000001111110000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train1997 LEDRKNERLPSDLARRATAIIEMPDGVLVTASRGGRYNLPGGKANRGELRSQALIREIREETGLRINSML YLFDHITPFNAHKVYLCIAQGQPKPQNEIERIALVSSPDTDMDLFVEGRAILRRYARLRNEETAKGEALR ALLGLARYIAKVD 111111110000000000000000000000001110000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000

>DM\_train1998 MENQKMQEPLVYRRILLTVDEDDNTSSERAFRYATTLAHDYDVPLGICSVLESEDINIFDSLTPSKIQAK RKHVEDVVAEYVQLAEQRGVNQVEPLVYEGGDVDDVILEQVIPEFKPDLLVTGADTEFPHSKIAGAIG PRLARKAPISVIVVR 100000000000000000000000000000000000000000000000000001111111111100000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000

>DM\_train1999 LSSTQSVNSVLAPGNLRKVHHIALNVQDMQASRYFYGTILGLHELTDDEVPATLTELVASGKVANFIT PDGTILDLFGEPELSPPDPNPEKTFTRAYHLAFDIDPQLFDRAVTVIGENKIAIAHGPVTRPTGRGVYFY DPDGFMIEIRCDPEA 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000100000000000000000000 001

>DM\_train2000 GHMTEIERKFLVATFPDGELHAVPLRQGYLTTPTDSIELRLRQQGTEYFMTLKSEGGLSRQEYEIQIDVT QFEMLWPATEGRRVEKTRYSGKLPDGQLFELDVFAGHLSPLMLVEVEFLSEDAAQAFIPPPWFGEEVT EDKRYKNKALALSIP 111000000000000000000000000000000000000000000000000000111111000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000

>DM\_train2001 AGHMSLYRLIYSSQGIPNLQPQDLKDILESSQRNNPANGITGLLCYSKPAFLQVLEGECEQVNETYHRI VQDERHHSPQIIECMPIRRRNFEVWSMQAITVNDLSTEQVKTLVLKYSGFTTLRPSAMDPEQCLNFLL DIAKIYELSDNFFLDL 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000001111111 111

>DM\_train2002 GMIYSKVENFINENKQNAIFTEGASHENIGRIEENLQCDLPNSYKWFLEKYGAGGLFGVLVLGYNFDH ASVVNRTNEYKEHYGLTDGLVVIEDVDYFAYCLDTNKMKDGECPVVEWDRVIGYQDTVADSFIEFFY NKIQEAKDDWDEDEDWDD 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 001

>DM\_train2003

MEKLKEFRGIKEHLGVFREAVKDAERIGFAGVPGVCTPFAQLFAYAVRDKDNIFIPNTDFSKARKLEVTE YGVELGEISPGNVDVLVLLGGLSMPGIGSDIEDVKKLVEDALEEGGELMGLCYMDMFARAGWYELLD FDCVINADIDGYVLRG

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>DM\_train2004 GMQQPTASVVSYVAEYHKATETTMGRYKKVIEITGHDEVAAKLLEGLIDAGTRYFSKVVEMEHRMAS ARFRLDGEELRELTETLDRSRRLAHESLISSLHVFNRYIVKEYGEELKEAGIEGGIFPKPEANRDRIAIADW AGELLTGIYENRHR 111111111111111111110000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 000

>DM\_train2005 GAMDPDLEATLRAIVHSATSLVDARYGAMEVHDRQHRVLHFVYEGIDEETVRRIGHLPKGLGVIGLLIE DPKPLRLDDVSAHPASIGFPPYHPPMRTFLGVPVRVRDESFGTLYLTDKTNGQPFSDDDEVLVQALA AAAGIAVANARLYQQAK 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 111

>DM\_train2006 SEDNITVRFVTENDKEGWQRLWKSYQDFYEVSFPDDLDDFNFGRFLDPNIKMWAAVAVESSSEKIIG MINFFNHMTTWDFKDKIYINDLYVDENSRVKGAGGKLIQFVYDEADKLGTPSVYWCTDESNHRAQL LYVKVGYKAPKILYKRKGY 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train2007 EKTCDLVGEKGKESEKELALLKRLTPLFQKSFESTVGQSPDMYSYVFRVCREAGQHSSGAGLVQIQKS NGKETVVGRFNETQIFQGSNWIMLIYKGGDEYDNHCGREQRRAVVMISCNRHTLADNFNPVSEERG KVQDCFYLFEMDSSLACS 000000000000000000000000000000000001111110000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train2008 GSMSAKDERAREILRGFKLNWMNLRDAETGKILWQGTEDLSVPGVEHEARVPKKILKCKAVSRELNFS STEQMEKFRLEQKVYFKGQCLEEWFFEFGFVIPNSTNTWQSLIEAAPESQMMPASVLTGNVIIETKFFD DDLLVSTSRVRLFYV 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000111111111111111111100000000000000000000

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>DM\_train2009 MELTTRTLPARKHIALVAHDHCKQMLMSWVERHQPLLEQHVLYATGTTGNLISRATGMNVNAMLS GPMGGDQQVGALISEGKIDVLIFFWDPLNAVPHDPDVKALLRLATVWNIPVATNVATADFIIQSPHF

NDAVDILIPDYQRYLADRLK 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000111111

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>DM\_train2010 MLEKVEEWIKARGLTWRLLIMQKPTRTVAEAAALLGVSESEIVKTLIVLDNAGGVYAVVIPGDKRLNIN SMKELAGKPVRLARANEVVELTGYPVGGVPPVALPPNIVLVVDRILLSRKKVYGGGGRENALLEFSPRE LVEATGAVVADVSE 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train2011 MKPKSGAVRRLEKNTMNFVLSDVADAEAEKAIRDPLVAYNLARFGESDKRDLNITIRNDDNSVTGGL VGHTARGWLYVQLLFVPEAMRGQGIAPKLLAMAEEEARKRGCMGAYIDTMNPDALRTYERYGFTKI GSLGPLSSGQSITWLEKRF 111111111111111000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train2012 GSHMSSSPAKDPPIQRLRGAVTRCEDGQLFISSYKNEYQTMEVQNNSVVIKCDGLYIIYLKGSFFQEVK IDLHFREDHNPISIPMLNDGRRIVFTVVASLAFKDKVYLTVNAPDTLCEHLQINDGELIVVQLTPGYCAP EGSYHSTVNQVPL 111111111110000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000011111111111

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>DM\_train2013 GMNPENWLLLRRVVRFGDTDAAGVMHFHQLFRWCHESWEESLESYGLNPADIFPGSRKSEVTPEVA LPIIHCQADFRRPIHTGDALAMELRPERLNPNSFQVHFEFRCEEQIAAHALIRHLAINAQTRHRCALPE GIDRWLEASGVGKIGSI 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000011111

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>DM\_train2014 MNPAHLLVLSAVCVSLLGASSIPPQPLHLIQFGNMIQCTVPGFLSWIKYADYGCYCGAGGSGTPVDK LDRCCQVHDNCYTQAQKLPACSSIMDSPYVKIYSYDCSERTVTCKADNDECAAFICNCDRVAAHCF AASPYNNNNYNIDTTTRC 111111111111111111111111111000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train2015 MRGSHHHHHHGSENLYFQSGLFDAPGRSQFVPADQAFAFDFQQNQHDLNLTWQIKDGYYLYRKQ IRITPEHAKIADVQLPQGVWHEDEFYGKSEIYRDRLTLPVTINQASAGATLTVTYQGCADAGFCYPPET KTVPLSEVVANNAAPQPV 111111111111111111111111111100000000000000000000000000000000000000000000000

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>DM\_train2016 MSKNTVSSARFRKVDVDEYDENKFVDEDDGGDGQAGPDEGEVDSCLRQGNMTAALQAALKNPPI NTKSQAVKDRAGSIVLKVLISFKANDIEKAVQSLDKNGVDLLMKYIYKGFESPSDNSSAVLLQWHEKA LAAGGVGSIVRVLTARKTV 111111110000000000000000000000111100000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train2018 QGGAAAPISSHARLDKSNFQQPYITNRTFMLAKEASLADNNTDVRLIGEKLFHGVSMSERCYLMKQV LNFTLEEVLFPQSDRFQPYMQEVVPFLARLSNRLSTCHIEGDDLHIQRNVQKLKDTVKKLGESGEIKAI GELDLLFMSLRNACI 111111111110000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000111111111000000000000000000000000000000000000000

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>DM\_train2019 GMAKKTLILYYSWSGETKKMAEKINSEIKDSELKEVKVSEGTFDADMYKTSDIALDQIQGNKDFPEIQL DNIDYNNYDLILIGSPVWSGYPATPIKTLLDQMKNYRGEVASFFTSAGTNHKAYVSHFNEWADGLNV IGVARDDSEVDKWSK 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train2020 MRTFESVADLAAAAGEKVGQSDWVTITQEEVNLFADATGDHQWIHVDPERAAAGPFGTTIAHGFM TLALLPRLQHQMYTVKGVKLAINYGLNKVRFPAPVPVGSRVRATSSLVGVEDLGNGTVQATVSTTVE VEGSAKPACVAESIVRYVA 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train2021 MDCMRKLDRVDMQLVKILSENSRLTYRELADILNTTRQRIARRIDKLKKLGIIRKFTIIPDIDKLGYMYAIV LIKSKVPSDADKVISEISDIEYVKSVEKGVGRYNIIVRLLLPKDIKDAENLISEFLQRIKNAENVEVILISEVRK FEII 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train2022 MGSSSSGLVPRGSMSSGTMKFNGYLRVRIGEAVGLQPTRWSLRHSLFKKGHQLLDPYLTVSVDQVR VGQTSTKQKTNKPTYNEEFCANVTDGGHLELAVFHETPLGYDHFVANCTLQFQELLRTTGASDTFEG WVDLEPEGKVFVVITLTG 111100000011111110000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train2023 MHRTSNGSHATGGNLPDVASHYPVAYEQTLDGTVGFVIDEMTPERATASVEVTDTLRQRWGLVHG GAYCALAEMLATEATVAVVHEKGMMAVGQSNHTSFFRPVKEGHVRAEAVRIHAGSTTWFWDVSLR DDAGRLCAVSSMSIAVRPRRD 111111111110000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train2024 MAITVKGLTNKLTRTQRRIAVVEFIFSLLFFLPKEAEVIQADFLEYDTKERQLNEWQKLIVKAFSENIFSFQ KKIEEQQLKNQLEIQTKYNKISGKKIDLLTTAVVLCALSEQKAHNTDKPLLISEALLIMDHYSQGAEKKQ THALLDKLL 111111111110000000000000000000000000000000000000000000000000000000000000000 000000000000011111111000000000000000000000000000000000000000000000000000000

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>DM\_train2025 SNAMVHDSALPFDALPMPPQGREGFEECPYLDSQWVADTNGQRMTGQGVDTRFDTPACVFWSY PEAPQATVMVRHMPSEEEAIRVVDWAAPIDTTEPAEEPDGWSGGRAGHEEGAVYAVQKGPVAVVV WSNQQQSLKAELMAKEAIARLGL 111100000000000000001110000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train2026 GMQGAGRLMQPRPDSAFVHDVRVTWGDCDPAKIAYTGHLPRFALEAIDAWWSEYHGPGGWYHL ELDTNVGTPFVRLEMDFKSPVTPRHILKCHTWPTRLGTKSITFRVDGVQDGVTCFVGAFTCVFTIADQ FKSQPAPDHLRALIEPHIPA 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train2027 MSLDRTTQQPFGNGYLSVEQANLILNHLPLEITFVNKDDIFQYYNDSVPAAEMVFKRTPSQVGRNVE LCHPPKVLDKVKKVFELLRNGQRDKVNMWFQSERLGKFVYVTYAAVRDQAGDFQGVLEYVQDIKPF FELDSEFNRDEGHHHHHH 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000001111111111111

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>DM\_train2029 MRNEMHLQFSARSENESFARVTVAAFVAQLDPTMDELTEIKTVVSEAVTNAIIHGYNNDPNGIVSISV IIEDGVVHLTVRDEGVGIPDIEEARQPLFTTKPELERSGMGFTIMENFMDEVIVESEVNKGTTVYLKKHIV KSKRYLEGSSF 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000111111111 >DM\_train2031 GMTAVFRNTVLVRFKHCDAAGIVFYPRYFEMLNDFIEDWFAQALDWPFDAMHGAGQAGVPTADL HCRFVAPSRLGETLTRELRVVKLGQSSFTVQVRFMGPDSGLRLEVTQRLVCVDTDKIAPRPLPDPVRQ

AMATYVDETLAATGSPGL 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000001111111 >DM\_train2032 MPMTLDLQPGQRLARGVARHLRAHGFVSVEEFVPARGLRVDVMGLGPKGEIWVIECKSSRADFQAD AKWQGYLEWCDRYFWAVDMEFPAELLPAESGLLIADAYDAEIVRMAPEQKLAPARRKVLIQKFATHA ARRLQALRDPEGHGIFE 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2033 EADSGDGDSSEYQDGKEFGIGDLVWGKIKGFSWWPAMVVSWKATSKRQAMSGMRWVQWFGDG KFSEVSADKLVALGLFSQHFNLATFNKLVSYRKAMYHALEKARVRAGKTFPSSPGDSLEDQLKPMLE WAHGGFKPTGIEGLKPNNTQP 111111111100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000011111 >DM\_train2034 TGKTGTQLLADKLKKLQVKDFQSIPVVIHENVSVYDAICTMFLEDVGTLFVVDRDAVLVGVLSRKDLLR ASIGQQELTSVPVHIIMTRMPNITVCRREDYVMDIAKHLIEKQIDALPVIKDTDKGFEVIGRVTKTNMTK ILVSLSENEIL 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2035 GMDVTIERVNDFDGYNWLPLLAKSSQEGFQLVERMLRNRREESFQEDGEAMFVALSTTNQVLACG GYMKQSGQARTGRIRHVYVLPEARSHGIGTALLEKIMSEAFLTYDRLVLYSEQADPFYQGLGFQLVSG EKITHTLDKTAFADSNR 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2036 MGSDKIHHHHHHMQARWIGNMMFHVRTDSNHDVLMDTKEEVGGKDAAPRPLELVLTGLMGCTG MDVVSILRKMKVIDQMKDFRIEIEYERTEEHPRIFTKVHLKYIFKFDGEPPKDKVEKAVQLSQEKYCSVS AILKCSSKVTYEIVYEN 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000001 >DM\_train2037 MSSTKRQKNRVLVKLKKRKVRKDKIEKWAELALSALGLNNVELSVYITDDQEIRELNKTYRKKDKPTDV LSFPMGEEFGGYKILGDVVISQDTAERQARELGHSLEEEVKRLIVHGIVHLLGYDHEKGGEEEKKFRELE NYVLSKLSKAL 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000011 >DM\_train2038 ADVSAAVGATGQSGMTYRLGLSWDWDKSWWQTSTGRLTGYWDAGYTYWEGGDEGAGKHSLSF APVFVYEFAGDSIKPFIEAGIGVAAFSGTRVGDQNLGSSLNFEDRIGAGLKFANGQSVGVRAIHYSNA GLKQPNDGIESYSLFYKIPI 000000000000000000000000000000000000000000000000001111000000000000000000000

000000000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2039 MTNRLSWQDYFMANAELISKRSTCNRAYVGAVLVKNNRIIATGYNGGVADTDNCDDVGHEMEDG HCIRTVHAEMNALIQCAKEGISANNTEIYVTHFPCINCTKALLQAGVKKITYNTAYRIHPFAIELMTQKE VEYVQHDVPRVKLGEK 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000001 >DM\_train2040 MKDKVYKRPVSILVVIYAQDTKRVLMLQRRDDPDFWQSVTGSVEEGETAPQAAMREVKEEVTIDVV AEQLTLIDCQRTVEFEIFSHLRHRYAPGVTRNTESWFCLALPHERQIVFTEHLAYKWLDAPAAAALTKS WSNRQAIEQFVINAA 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000111 >DM\_train2041 GQHTLKQFAADSALTTTTPLCSEVPLFDINALGDWTYLGTSLPAKFAKLFASILHCIDDEYFLITPVEKVR VQVEDAPLLIVDFERAQPHSLLNVSTSIGTLHHNVDIKQMKLTDDSVYLPLERGLWGKLGRACYYNFV NEFNLSDLNEQ 111111111111111111111000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000011 >DM\_train2042 MDIDPYKEFGATVELLSFLPSDFFPSVRDLLDTASALYREALESPEHCSPHHTALRQAILCWGELMTLAT WVGNNLEDPASRDLVVNYVNTNMGLKIRQLLWFHISCLTFGRETVLEYLVSFGVWIRTPPAYRPPNA PILSTLPETTVV 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000001111111 >DM\_train2043 MTSKIEQPRWASKDSAAGAASTPDEKIVLEFMDALTSNDAAKLIEYFAEDTMYQNMPLPPAYGRDAV EQTLAGLFTVMSIDAVETFHIGSSNGLVYTERVDVLRALPTGKSYNLSILGVFQLTEGKITGWRDYFDLR EFEEAVDLPLRG 111100000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2044 ATSTKKLHKEPATLIKAIDGDTVKLMYKGQPMTFRLLLVDTPETKHPKKGVEKYGPEASAFTKKMVENA KKIEVEFDKGQRTDKYGRGLAYIYADGKMVNEALVRQGLAKVAYVYKGNNTHEQLLRKSEAQAKKEK LNIWSEDNADSGQ 111110000000000000000000000000000000000000001111110000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000011111111 >DM\_train2045 MKLERVTVKNFRSHSDTVVEFKEGINLIIGQNGSGKSSLLDAILVGLYWPLRIKDIKKDEFTKVGARDTYI DLIFEKDGTKYRITRRFLKGYSSGEIHAMKRLVGNEWKHVTEPSSKAISAFMEKLIPYNIFLNAIYIRQGQI DAILES 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000011110000000000000000000000000000000000000000000000000000000 >DM\_train2046

QFLFSMSTGPFICTVKDNQVFVANLPWTMLEGDDIQVGKEFAARVEDCTNVKHDMAPTCTKPPPFC GPQDMKMFNFVGCSVLGNKLFIDQKYVRDLTAKDHAEVQTFREKIAAFEEQQENQPPSSGMPHGA VPAGGLSPPPPPSFCTVQ

000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000011111111111111111111000000000000 >DM\_train2047 ASPIGEGTFDDGPEGWVAYGTDGPLDTSTGALCVAVPAGSAQYGVGVVLNGVAIEEGTTYTLRYTAT ASTDVTVRALVGQNGAPYGTVLDTSPALTSEPRQVTETFTASATYPATPAADDPEGQIAFQLGGFSA DAWTLCLDDVALDSE 111111100000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2048 ETVSTQELYSIPEDQEPEDQEPEEPTPAPWARLWALQDGFANLECVNDNYWFGRDKSCEYCFDEPLL KRTDKYRTYSKKHFRIFREVGPKNSYIAYIEDHSGNGTFVNTELVGKGKRRPLNNNSEIALSLSRNKVFV FFDLTVDDQSVY 111111111111111111111111111100000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000011111 >DM\_train2050 MNISEINGFEVTGFVVRTTNADEMNPMTAKIGNLWEKFYLNAAPKLTDKSKVYGLYTNYESDFTGAF DVIACSDTLSPQLLSESVKTKVSSGKYVTFSATGEMPQVVIDLWNEVWNYFASEHCPHKRAYTTDFEY YKSANTVEISIAVR 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000111000000000000000000000000000 >DM\_train2051 GAQNEKNMYSYKKIGNKYIVSINNHTEIVKALNAFCKEKGILSGSINGIGAIGELTLRFFNPKTKAYDDKT FREQMEISNLTGNISSMNEQVYLHLHITVGRSDYSALAGHLLSAIQNGAGEFVVEDYSERISRTYNPDL GLNIYDFER 111111000000000000000000000000000000000000000000000000000000000111100000000 00000000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2052 MATKLDYEDAVFYFVDDDKICSRDSIIDLIDEYITWRNHVIVFNKDITSCGRLYKELMKFDDVAIRYYGID KINEIVEAMSEGDHYINFTKVHDQESLFATIGICAKITEHWGYKKISESRFQSLGNITDLMTDDNINILILF LEKKLN 111110000000000000000000000000000000000000000000000000000000000000000000000 00000011000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2053 MGIVTGPIIDHSKENDVMNEAEQNAETVRRGYAAFNSGDMKTLTELFDENASWHTPGRSRIAGDHK GREAIFAQFGRYGGETGGTFKAVLLHVLKSDDGRVIGIHRNTAERGGKRLDVGCCIVFEFKNGRVIDGR EHFYDLYAWDEFWR 111111111111111111000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2054 MPLPPDITFDSLALIKMHSQNMKRILEVTLAKFTVNLSIVTVYRYLTARAYLKKNIEAEFEILKDIYNIVPLL DDIAIKAAQIEANLIKKEITLDMEDIITATTAIYTNSLLVTDDPKRYEPIRRFGLDTMPLDKFIKEVELMVEK

ELI 100000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000001111 >DM\_train2055 EARPIVVGPPPPLSGGLPGTENSDQARDGTLPYTKDRFYLQPLPPTEAAQRAKVSASEILNVKQFIDRK AWPSLQNDLRLRASYLRYDLKTVISAKPKDEKKSLQELTSKLFSSIDNLDHAAKIKSPTEAEKYYGQTVS NINEVLAKLG 000000000000011111111111111111111000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2056 MEQRSAETRIVEALLERRRLKDTDLVRARQLQAESGMGLLALLGRLGLVSERDHAETCAEVLGLPLVD ARQLGDTPPEMLPEVQGLSLRFLKQFHLCPVGERDGRLDLWIADPYDDYAIDAVRLATGLPLLLHVGL RSEIDDLIERWYG 000000000000000000000000000000111000000000000000000000000000000000000000000 00001100000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2057 GMEIHFEKVTSDNRKAVENLQVFAEQQAFIESMAENLKESDQFPEWESAGIYDGNQLIGYAMYGRW QDGRVWLDRFLIDQRFQGQGYGKAACRLLMLKLIEKYQTNKLYLSVYDTNSSAIRLYQQLGFVFNGE LDTNGERVMEWTHQNK 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000000011 >DM\_train2058 GMTDWQQALDRHVGVGVRTTRDLIRLIQPEDWDKRPISGKRSVYEVAVHLAVLLEADLRIATGATAD EMAQFYAVPVLPEQLVDRLDQSWQYYQDRLMADFSTETTYWGVTDSTTGWLLEAAVHLYHHRSQL LDYLNLLGYDIKLDLFE 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000000001 >DM\_train2059 GMLVRTLSALECTKVLTANRVGRLACAKDGQPYVVPLYYAYSDAHLYAFSMPGKKIEWMRANPRVS VQVDEHGQGRGWKSVVVDGRYEELPDLIGHKLQRDHAWSVLSKHTDWWEPGALKPVTPPTADSA PHVFFRILIEQVSGREASE 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000001111111111111100000000000000000000 >DM\_train2060 STGKKPKHHVLSHDIIPASKPIAEKLQIQPESPVVELKRILYNDDQPLTFEVTHYPLDLFPGIDTFIADGVS MHDILKQQYKVVPTHNTKLLNVVYAQQEESKYLDCDIGDALFEIDKTAFTSNDQPIYCSLFLMHTNRV TFTINSPYT 111111100000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000001111 >DM\_train2061 TTSGALFPSLVPGSRGSSTKYLVEFRAGKMSLKGTTVTPDKRKGLVYIQQTDDSLIHFCWKDRTSGTVE DDLIIFPDDCEFKRVPQCPSGRVYVLKFKAGSKRLFFWMQEPKTDQDEEHCRKVNECLNNPPMPGSL GASGSSGHELSAL 111111111111111111110000000000000000000000000000000000000000000000000000000

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DVTPLSLGIETLGGIMTKLITRNTTIPTKKSQVFSTAADGQTQVQIKVFQGEREMATSNKLLGQFSLVGI PPAPRGVPQVEVTFDIDANGIVNVSARDRGTGKEQQIVIQSSGGLSKDQIENMIKEAEKNAAEDAKR KELVEVINQAE 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000001111111111000000000000000000000000000 >DM\_train2070 SPAPSRPFSVLRANDVLWLSLTAAEYDQSTYGSSTGPVYVSDSVTLVNVATGAQAVARSLDWTKVTL DGRPLSTIQQHSKTFFVLPLRGKLSFWEAGTTKAGYPYNYNTTASDQLLVENAAGHRVAISTYTTSLG AGPVSISAVAVLA 111100000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2071 MNYSHPISLKTLVQEDDIGVNAPIIHQSVIARLTAGLYPLYQSKKIPFEPLPETMLTEGYSSPVPDVLLYD HQTEEAKVIIEVCQNSGLKHDTSKIVKLIEDNAYGILEGFVFNYKTQQWLRYRLGDGGVATNSSFSEVL QVDLNTFV 111000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2072 SMLPVLTLQHFQHMHIKVGDRAELRRAFTQTDVATFSELTGDVNPLHLNEDFAKHTKFGNTIVHGVLI NGLISALLGTKMPGPGCVFLSQEISFPAPLYIGEVVLASAEVKKLKRFIAIIAVSCSVIESKKTVMEGWVKV MVPEASKS 111111111111100000000000000000000000000000000001111111111110000000000000000 0000000000000000000000000000000000000000000000000000000000000000000000001 >DM\_train2073 GHMTLYRLHEADLEIPDAWQDQSINIFKLPASGPAREASFVISRDASQGDAPFADYVARQLENAEKQ LPGFKLHKRWDINIHGHAAVLLDYQWQREGRDLMLRQVFIERRPAVLITTLTTTPADLPHHEPAWKQ AMQTLVPRPTPSGS 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000000001111 >DM\_train2074 RASVGSPGIPAQDLPFVIKAGYLEKRRKDHSFLGFEWQKRWCALSKTVFYYYGSDKDKQQKGEFAIDG YDVRMNNTLRKDGKKDCCFEICAPDKRIYQFTAASPKDAEEWVQQLKFILQDLGSDVIPEDDEERGEL YDDVDHPAAVSS 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000011111111111111111111111111111 >DM\_train2075 MKTPTFGKREETLTYQTRYAAYIIVSKPENNTMVLVQAPNGAYFLPGGEIEGTETKEEAIHREVLEELGIS VEIGCYLGEADEYFYSNHRQTAYYNPGYFYVANTWRQLSEPLERTNTLHWVAPEEAVRLLKRGSHRW AVEKWLAAAS 100000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000010000000000000000000000000000000000 >DM\_train2076 VSYAGDITPLQAWEMLSDNPRAVLVDVRCEAEWRFVGVPDLSSLGREVVYVEWATSDGTHNDNFL AELRDRIPADADQHERPVIFLCRSGNRSIGAAEVATEAGITPAYNVLDGFEGHLDAEGHRGATGWRA

VGLPWRQGRSHHHHHH 100000000000000000000000000000000000000000000000000000000000000000000000011 1111100000000000000000000000000000000000000000000000000000000000011111111 >DM\_train2077 GMATSTDRTQEIQKLHELIKNIDYGMFTTVDDDGSLHSYPMSKSGDINSEATLWFFTYAGSHKVTEIE HHEQVNVSFSSPEQQRYVSISGTSQLVKDRNKMRELWKPELQTWFPKGLDEPDIALLKVNINQVNY WDSTSSFKPQTISF 111110000000000000000000000000000000000000000011100000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2078 GFQSNAMKQETPITLHVKSVIEDDGNQEVIEFRTTGFYYVKQNKVYLSYYEEHDLGKVKTIVKVSEGEV LVMRSGAVKMNQRFVTGASTIAKYKMSFGELELKTSTKSIQSDLDEEKGRISIAYDMHVGDEQEHLHN MTITYEGGTHA 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000001111000000000000011 >DM\_train2079 SNAARGHRHTCKVMVLKEEAAGSERALALDMREGQRVFHSLIVHFENDIPVQIEDRFVNAQVAPDYL KQDFTLQTPYAYLSQVAPLTEGEHVVEAILAEADECKLLQIDAGEPCLLIRRRTWSGRQPVTAARLIHP GSRHRLEGRFTK 111111100000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2080 GPLGSGGGTIAMLNEISSDTLEQLYSLAFNQYQSGKYEDAHKVFQALCVLDHYDSRFFLGLGACRQA MGQYDLAIHSYSYGAVMDIKEPRFPFHAAECLLQKGELAEAESGLFLAQELIANKPEFKELSTRVSSML EAIKLKKEMKHE 111110000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000111111111 >DM\_train2081 GMSAGQSSLSFAHGDETHPIEQKAFIGVDSAAGNVVKQFHAALQMGNEAIVRQSLAANVQIYEGGK VERSLTEYANHHMLADMAYLKGLTITPKEHQITITGDIAISTSISHAQGEYKGKSIDSMTMETLVLIKQA DGRWKITHVHWS 111111111111111111111111111100000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2082 SFDKTTFRLLRGESNLFYTLAKWENNKLHVELPENIDKQSPTMTLIYDENGQLLWAQRDVPWLMKMI QPDWLKSNGFHEIEADVNDTSLLLSGDHSIQQQLQEVRQNNNNAQMTHSVAVNVYPATSRMPKL TIVVVDTIPVELKSSYM 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000000000011 >DM\_train2083 AHGSVVKSEDYALPSYVDRRDYPLPDVAHVKNLSASQKALKEKEKASWSSLSIDEKVELYRLKFKESFA EMNRSTNEWKTVVGAAMFFIGFTALLLIWEKHYVYGPIPHTFEEEWVAKQTKRMLDMKVAPIQGFSA KWDYDKNEWKK 111000000000000000000000000000000000000000000000000000000000000000000000000

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MRSLLILVLCFLPLAALGKVFGRCELAAAMKRHGLDNYRGYSLGNWVCAAKFESNFNTQATNRNTD GSTDYGILQINSRWWCNDGRTPGSRNLCNIPCSALLSSDITASVNCAKKIVSDGNGMNAWVAWRN RCKGTDVQAWIRGCRL

111111111111111111000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2093 MSNTLFDDIFQVSEVDPGRYNKVCRIEAASTTQDQCKLTLDINVELFPVAAQDSLTVTIASSLNLEDTP ANDSSATRSWRPPQAGDRSLADDYDYVMYGTAYKFEEVSKDLIAVYYSFGGLLMRLEGNYRNLNNL KQENAYLLIRR 000000000000000000000000000000000000000000000000000000000000000111111111111 00000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2095 ICYDAFVSYSERDAYWVENLMVQELENFNPPFKLCLHKRDFIPGKWIIDNIIDSIEKSHKTVFVLSENFV KSEWSKYELDFSHFRLFDENNDAAILILLEPIEKKAIPQRFCKLRKIMNTKTYLEWPMDEAQREGFWVN LRAAIKS 000000000000000000000000000000000000000000000000000000000000000000000000000 00000011111111111000000000000000000000000000000000000000000000000000000 >DM\_train2096 VPIQKVQDDTKTLIKTIVTRINDISHTQSVSSKQKVTGLDFIPGLHPILTLSKMDQTLAVYQQILTSMPSR NVIQISNDLENLRDLLHVLAFSKSCHLPEASGLETLDSLGGVLEASGYSTEVVALSRLQGSLQDMLWQ LDLSPGC 000000000000000000000000111111111111110000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2097 MLDQQTINIIKATVPVLKEHGVTITTTFYKNLFAKHPEVRPLFDMGRQESLEQPKALAMTVLAAAQNIE NLPAILPAVKKIAVKHCQAGVAAAHYPIVGQELLGAIKEVLGDAATDDILDAWGKAYGVIADVFIQVE ADLYAQAVE 000000000000000000000000000000000000000000011111111100000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2099 MAESQALSDDIGFLLSRVGGMVLGAVNKALVPTGLRVRSYSVLVLACEQAEGVNQRGVAATMGLDP SQIVGLVDELEERGLVVRTLDPSDRRNKLIAATEEGRRLRDDAKARVDAAHGRYFEGIPDTVVNQMR DTLQSIAFPTFVE 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000011111111111000000000000000000000000000000000000000000000001111 >DM\_train2100 GETVVRDAVTIGKPAEQLYAVWRDLPGLPLLMTHLRSVEVLDDKRSRWTVEAPAPLGTVSWEAELTA DEPGKRIAWRSLPGARIENSGEVLFRPAPGARGTEVVVRLTYRPPGGSAGAVIARMFNQEPSQQLRD DLMRFKREQELG 110000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000111111111111111100000000000000000000 >DM\_train2101 GGEGTDAIQALIQAYFTAWNTNAPERFAEIFWPDGSWVNVVGMHWRGRDQIVFAHTAFLKTIFKDC KQELVTIEARTIAPGSALAVVTLIQDAYVTPDGRQMPRAHDRLTLLAVEREGVWRFIHGHNTIVNPDA

ANNDPVLRMKPA 100000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000111 >DM\_train2102 STAADLLRQGAACSVLYLTSVETESLTGPQAVARASSAALSCSPRPTPAVVHFKVSAQGITLTDNQRK LFFRRHYPVNSITFSSTDPQDRRWTNPDGTTSKIFGFVAKKPGSPWENVCHLFAELDPDQPAGAIVTFI TKVMLGQRK 000000000000000000000000000000000000000000011100000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000111 >DM\_train2103 GQDRSPIETQNVETVLRLFDEGWGAQDGWRDVWRETMTPGFRSIFHSNQAVEGIEQAIAFNAVLFE GFPRLEVVVENVTVEGDNVVVQARLTGAQDGPFLGVPPSGQMVDVPDVTLFTLADGQVIEMRYFT DLLAVMTAISAPPEN 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000011 >DM\_train2104 MSSERTFLPNGNYKIKSLFSDSLYLTYSSGSLSFLNTSSLDNQKWKLEYISSSNGFRFSNVAEPNKYLAY NDYGFIYLSSSSNNSLWNPIKIAINSYIICTLSIVNVTDYAWTIYDNNNNITDQPILNLPNFDINNSNQIL KLEKL 111000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2105 MVKRTSHKQASCPVARPLDVIGDGWSMLIVRDAFEGLTRFGEFQKSLGLAKNILAARLRNLVEHGVM VAVPAESGSHQEYRLTDKGRALFPLLVAIRQWGEDYFFAPDESHVRLVERDSGQPVPRLQVRAGDGS PLAAEDTRVSRD 111110000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000001 >DM\_train2106 GHMAQTDKHYFGTLLAQTSRAWRAELDRRLSHLGLSQARWLVLLHLARHRDSPTQRELAQSVGVE GPTLARLLDGLESQGLVRRLAVAEDRRAKHIVLTPKADVLIADIEAIAASVRNDVLTGIDESEQALCQQ VLLRILANLENR 111111111000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2107 MAQERPSCAVEPEHVQRLLLSSREAKKSAYCPYSRFPVGAALLTGDGRIFSGCNIENACYPLGVCAER TAIQKAISEGYKDFRAIAISSDLQEEFISPCGACRQVMREFGTDWAVYMTKPDGTFVVRTVQELLPASF GPEDLQKIQ 111111111100000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000011 >DM\_train2108 MIEVKPINAEDTYELRHRILRPNQPIEACMFESDLLRGAFHLGGYYGGKLISIASFHQAEHSELQGQKQ YQLRGMATLEGYREQKAGSSLIKHAEEILRKRGADLLWCNARTSASGYYKKLGFSEQGEVFDTPPVGP HILMYKRIT 100000000000000000000000000000000000000000000000000000000000000000000000000

00000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2109 SNAIYGYVEKATLIDQNLTLSAKLDTGAKSASLHAVNITEIEKKGIPYLRFTVPTKTGDYSFEGEYVGKVKI KVRSSETNPGLLRTTPIKRPVVLLNIKLGDKVRTIKVNLTNRKRFLYPLLLGRDAIIDFNGAVDPALTFTTK

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000000000000000000000000000000000000000000000000000000000000000000000011111 11111111111100000000000000000000000000000000000000000000000000000000011 >DM\_train2110 MESVADIQQLEEKVDESDVRIYFNEKSSGGKISIDNASYNARKLGLAPSSIDEKKIKELYGDNLTYEQYLE YLSICVHDKDNVEELIKMFAHFDNNCTGYLTKSQMKNILTTWGDALTDQEAIDALNAFSSEDNIDYKL FCEDILQ 110000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2111 MSHDVKELIEGLNEDLAGEYSAIIMYNHNAATVSGIYRQVLKPFFESEISDEQGHALYLAEKIKTLGGTP TTIPLRVKQAEDVREMLEYARQSEYETIKRYEKRKEQAANLNMTELVVKLEDMIADETNHMEELDRLL NDKAMVLN 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000001111111 >DM\_train2113 AREGIIGHYIHHNQRVGVLVELNCETDFVARNELFQNLAKDLAMHIAMMNPRYVSAEEIPAEELEKER QIYIQAALNEGKPQQIAEKIAEGRLKKYLEEVVLLEQPFVKDDKVKVKELIQQAIAKIGENIVVRRFCRFEL GAMMC 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000000111 >DM\_train2114 MMGIMSDPITILDSSDSLSRLSSESVGRLVVHRKDDLDIFPVNFVLDYSAEQPRVYFRTAEGTKLFSVNL NSDVLFEVDRFDDAEGWSVVLKGNAYVVRDTEEARHADTLGLKPWLPTLKYNFVRIDVREVSGRAFV FGEEPERY 111111000000000000000000000000000000000000000000000000000000110000000000000 0000000110000000000000000000000000000000000000000000000000000011111111 >DM\_train2115 MRNKNMSTIYQTSATASAGRNGVVSTEDKLLELNLSYPKEMGGSGTATNPEQLFAVGYAACFSNAIL HVAREAKVALKEAPVTATVGIGPNGQGGFALSVALAAHIALEDEQARQLVTVAHQVCPYSNAVRGN IDVQVSVNGLAL 111110000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2116 MSNPQPEKVRVVVGDDHPLFREGVVRALSLSGSVNVVGEADDGAAALELIKAHLPDVALLDYRMPG MDGAQVAAAVRSYELPTRVLLISAHDEPAIVYQALQQGAAGFLLKDSTRTEIVKAVLDCAKGRDVVA PSLVGGLAGEIR 111111111110000000000000000000000000000000111111111111000000000001111111111 1111111110000000011111111110000000000000000000000111111111111111111111 >DM\_train2117

KPQIPKDKSKVAGYIEIPDADIKEPVYPGPATPEQLNRGVSFAEENESLDDQNISIAGHTFIDRPNYQFT NLKAAKKGSMVYFKVGNETRKYKMTSIRDVKPTDVGVLDEQKGKDKQLTLITADDYNEKTGVWEKRK IFVATEVK 111000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000001111111111000000000000000000000000000000 >DM\_train2118 MDELLNRLRQTWHSTIPVSEFMQIAPLSFTDGELSVSAPLAPNINLHHTMFAGSIYTIMTLTGWGMV WLQQQLLNVDGDIVLADAHIRYLAPVTSAPEVKVRWPDTNLSPLQRGRKAKVKLEVQLFCDGKLCA QFDGLYVSVPKM 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000011111110000000000000000000000000000000011 >DM\_train2119 GSMKQPFERILREICFMVKVEGRKVLRDFGITPAQFDILQKIYFEGPKRPGELSVLLGVAKSTVTGLVKRL EADGYLTRTPDPADRRAYFLVITRKGEEVIEKVIERRENFIEKITSDLGKEKSSKILDYLKELKGVMERNFSK

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111000000000000000000000000000000000000000000000000000000000000000000000000 0000000111100000000000000000000000000000000000000000000000000000000001 >DM\_train2120 ERVPEGSIRVAIASNNGEQLDGHFGSCLRFLVYQVSAKDASLVDIRSTLDVALAEDKNAWRVEQIQD CQVLYVVSIGGPAAAKVVRAGIHPLKKPKGCAAQEAIAELQTVMAGSPPPWLAKLVGVSAEERVRFS VSDDEDEAARA 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000001111111111111111111111 >DM\_train2121 MAAHELKEALETLKETGVRITPQRHAILEYLVNSMAHPTADDIYKALEGKFPNMSVATVYNNLRVFRE SGLVKELTYGDASSRFDFVTSDHYHAICENCGKIVDFHYPGLDEVEQLAAHVTGFKVSHHRLEIYGVC QECSKKENH 111000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000000001 >DM\_train2122 MSMAERKALCLEMVAAWNRWDLSGIIKHWSPDIVHYSEDNEVSSADMVKLMEGGLKAFPDLQLEV KSIMAEEDRVALRITVTATHQGEFMGVQPTGQRVSWHLVEELRFVDGKVVEHWDVINMRPLLVRLG KLPDVPKVVLEASA 100000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000011111111111 >DM\_train2123 GSHHPFTAQIVAVTASGYDSEKGHVPANIADGDVKTRWAASGESWVQLELDKEQSIENILIVPFKPTE RKLKFSIFYSNDGKNWQPLAEGLETSSADKNGEKLTFTPVTAKYIKLDTFGTDVNNWSAINEIAINSAA ALPSRAIK 111111000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2124 ATSANTDRIATAELGIAENKKDAQIAKAQANENKDGIAKNQADIQLHDKKITNLGILHSMVARAVGN NTQGVATNKADIAKNQADIANNIKNIYELAQQQDQHSSDIKTLAKVSAANTDRIAKNKAEADASFET

LTKNQKLCSQA 111100000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000011111 >DM\_train2125 MDVQRVGKAGLHRVDSKKQQTAAGVSFSEVMGKQRDEKAYERLQALMSKIDDQGKLLSETRTIEEL RKYKELVKEFVGDAVELGLRLEERRGFNRRGRTKIYKIVKEVDRKLLDLTDAVLAKEKKGLDILNMVGEIK GLLINIYA 111111111111111111111110000000000000000000000000000000000000000000000000000 0000000000000001110000000000000000000000000000000000000000000000000000 >DM\_train2126 MRGSHHHHHHGSMSNINLVQLVRDSLFTIGCPPSIITDLDSHSAITISLDSMPAINIALVNEQVMLWA NFDAPSDVKLQSSAYNILNLMLMNFSYSINELVELHRSDEYLQLRVVIKDDYVHDGIVFAEILHEFYQR MEILNGVL 111111111111000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2127 RPRGPRAVFILPVTAQGEAVLIRQFRYPLRATITEIVAGGVEKGEDLGAAAARELLEEVGGAASEWVPLP GFYPQPSISGVVFYPLLALGVTLGAAQLEDTETIERVVLPLAEVYRMLEAGEIQDGPSSLTLWQARGELT RRGLL 111100000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000001111111111000000000000000000000000000000000000000000 >DM\_train2128 GSHMPLPIPSLLIAGIGCRRGCSAEHLRALLERTLGEHGRSLAELDALASIDGKRDEPGLRQLATLLERPV HFLAPAVLHDYEPRLLSPSAVALRETGCSSVAEAAALALAERLGGGRADLLGAKRSDDRASIALARLLT ERELP 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000000111 >DM\_train2129 MSATGLEVFDRTLHKTHAWLKAIMEELGTEDRHKAYLALRAVLHALRDRLTVEEVAQLAAQLPMLVR GLYYEGWDPTGKPLKERHKEAFLAHVAEELKTPSGPAVDPEAATRAVFKVLSREISQGELEDVLGLLPK ELRALWPQG 100000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2130 GMDISLLKQVVQSTNKIALSTAVNNEADVKIVNFVWYEAQPDTLYFSSVKTSPALKVYDQNPDIAFITI PNDGTAGNPYLRAQHVKLQRSTKTMTDLLPQYLETVPNYQQVWDAIGSTLVVFELKLTDLFVDAGV GGEKQTLTFN 100000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000000001 >DM\_train2131 STARMQGAGKALHELLLSAQRQGCLTAGVYESAKVLNVDPDNVTFCVLAADEEDEGDIALQIHFTLI QAFCCENDIDIVRVGDVQRLAAIVGSDEEGGAPGDLHCILISNPNEDTWKDPALEKLSLFCEESRSFN DWVPSITLPE 111000000000000000000000000000000000000000000000000000000000000000000000000

0000000000000000011111111100000000001111100000000000000000000000000000 >DM\_train2132 GMEVIESKWYKKDGASSASIDDVEKLLNTTLPKQYKSFLLWSNGGEGKLGDNYIYIWAIEDVIAYNHD YGIQKYLQKEYWAFGMDGDIGYILHLSDNSIYRVDLGDLDITSIKYIAPSFDDFLGKAIYLNFNKLQNVA NNNLTT 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000011111111111 >DM\_train2133 MYFVDRSKIEKTLGFFEHQLALFDSQTDWQSEIGELALQRIGHLLIECILDTGNDMIDGFIMRDPGSYD DIMDILVDEKVVTEKEGDELKKLIAYRKTLVQQYLLADSGELYRLIKAHQTALQDFPKRIRSYLETELGPV SAFK 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000001 >DM\_train2134 AGSLEIRTKVGEICISKVWLTDEQINKLFDRFKGDYQVVNAECADKVIFATIIAIKAVKEGRSIAKTVPGEI LVRLSGNRQIKEAIKKVGAKEGENYIVTFGENASALLQKILSTLEIKELELERCDLEYAKKAFEDIAIIEAL 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000011111 >DM\_train2135 GMDTNGVLYAANMTNALAKEIPESKWDIQLIPELGTLRKLFIHIVRVRDVYRDGLKTGSIKFPGRLASD EHRLLDELERSMEELVFEFKQTTFNSIKMGENYLSIMELLGTVIQHEGIHQGQYYVALKQSGINLPKQW VQDWHM 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000011 >DM\_train2136 MTAVRRIRAAALPDLPDASWSNALLVGEELVMSGMTAHPATRQAAERGAALDAHAQALVVLGKVK ALLEAAGGHVGNLYKLNVYVTRIADKDAIGRARQEFFAGQGTFPASTLVEVSGLVFPELLVEIDAWAR LDIDLANCDEA 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000011 >DM\_train2137 RETHFLKIPIGDLNIITQDNMKSCQMTTPVIDVIQMLTQGRVSSVPIIDENGYLINVYEAYDVLGLIKGGI YNDLSLSVGEALMRRSDDFEGVYTCTKNDKLSTIMDNIRKARVHRFFVVDDVGRLVGVLTLSDILKYIL LGSN 110000000000000000000000000000000000000000000000000000000000000000000011110 000000000000111111000000000000000000000000000000000000000000000000011 >DM\_train2138 SNAMEIRVFRQEDFEEVITLWERCDLLRPWNDPEMDIERKMNHDVSLFLVAEVNGEVVGTVMGGYD GHRGSAYYLGVHPEFRGRGIANALLNRLEKKLIARGCPKIQINVPEDNDMVLGMYERLGYEHADVLSL GKRLIEDEEY 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000111 >DM\_train2139 ASRFHEQFIVREDLMGLAIGTHGANIQQARKVPGVTAIDLDEDTCTFHIYGEDQDAVKKARSFLEFAE

DVIQVPRNLVGKVIGKNGKLIQEIVDKSGVVRVRIEAENEKNVPQEEGMVPFVFVGTKDSIANATVLLD YHLNYLK 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2140 GMELTALDKLEIMELAARFEMSLDKEDVENYLATFASDGALQGFWGIAKGKEELRQGFYAMLDTFAR GKRHCSSNAIIQGNYDEATMESYLTVVNREDLNRAGSAFVKDQVRKINGKWYLILRQIEVDPSLPLLQ QSQQAGANA 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000001111111111 >DM\_train2141 MLYLTQRLEIPAAATASVTLPIDVRVKSRVKVTLNDGRDAGLLLPRGLLLRGGDVLSNEEGTEFVQVIA ADEEVSVVRCDDPFMLAKACYHLGNRHVPLQIMPGELRYHADHVLDDMLRQFGLTVTFGQLPFEPE AGAYASES 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000111111 >DM\_train2142 MQEGVKVVVDSRELRSEVVKRLKLLGVKLEVKTLDVGDYIISEDVAIERKSANDLIQSIIDGGLFDQVKR LKEAYSRPIMIVEGSLYGIRNVHPNAIRGAIAAVTVDFGVPIIFSSTPEETAQYIFLIAKREQEEREKPVRIR 111100000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000011111111 >DM\_train2143 MSGDRDDPRYPYPKDDAELRRRLTPMQYEVTQHAATEPPFTGEYTDTEDAGIYHCVVCGTALFESGA KYHSGCGWPSYFKPIDGEVIDEKMDYTHGMTRVEVRCNQCGAHLGHVFEDGPRDKTGLRYCINSAA LNFEAKPERK 111111111000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000111 >DM\_train2144 MTEHSLWRFSRALHRALNDRQTEELATIIDDNIDWAIYGPIDMFPFFGARQGKAAVLEVCRQIADSVR IYRYHRESVMLGIDSAASMVRYSLTAAGTNRPISVRMALFTQFQNGRLTNLRMVLDTFDLVEQALGR PIHLPKIA 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000011111111 >DM\_train2145 MRKIDLCLSSEGSEVILATSSDEKHPPENIIDGNPETFWTTTGMFPQEFIICFHKHVRIERLVIQSYFVQTL KIEKSTSKEPVDFEQWIEKDLVHTEGQLQNEEIVAHGSATYLRFIIVSAFDHFASVHSVSAEGTVVSNLS

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111000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000001111 >DM\_train2146 MGSDKIHHHHHHMKLSDFIKTEDFKKEKHVPVIEAPEKVKKDEKVQIVVTVGKEIPHPNTTEHHIRWIK VFFQPDGDPYVYEVGRYEFNAHGESVQGPNIGAVYTEPTVTTVVKLNRSGTIIALSYCNIHGLWESSQ KITVEE 111111111110000000000000000000000000000000000000000000000000000000000000000

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MIRVMATGVFDILHLGHIHYLKESKKLGDELVVVVARDSTARNNGKIPIFDENSRLALISELKVVDRAIL GHEGDMMKTVIEVKPDIITLGYDQKFDEAELQSKINKLGITVKIVRISKYDGQLNSSSSVRKKIMELIGER

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GA 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000011111 >DM\_train2163 MPRVVPDQRSKFENEEFFRKLSRECEIKYTGFRDRPHEERQTRFQNACRDGRSEIAFVATGTNLSLQFF PASWQGEQRQTPSREYVDLEREAGKVYLKAPMILNGVCVIWKGWIDLHRLDGMGCLEFDEERAQQ EDALAQQ 000000000000000000000000000000000000000000000000000000000000000000000011111 111111000000000000000000000000000000000000000000000000000000000000 >DM\_train2165 EPRFAGYAQKVRDSFARQPVMATLGARIDTLLPGRVELCMPYDRALTQQHGFLHAGIVSTVLDSACG YAAFSLMEEEAAVLTVEFKVNFLNPAEGERFAFRAEVVKPGRTLTVATATAYAFRDGEERAIATMTATL MALIG 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2166 FNVASLKYKHHESIQMIIDRIDHLVLTVSDISTTIRFYEEVLGFSAVTFKQNRKALIFGAQKINLHQQEME FEPKASRPTPGSADLCFITSTPINDVVSEILQAGISIVEGPVERTGATGEIMSIYIRDPDGNLIEISQYV 111111111111111100000000000000000000000000000000000000000000000000011111000 000000000000000000000000000000000000000000000000000000000000000001 >DM\_train2167 MTENGRYEYIVIGSEAAGVGLVRELTAAGKKVLAVDKSKEKIELLEDEGFDAVIADPTDESFYRSLDLEG VSAVLITGSDDEFNLKILKALRSVSDVYAIVRVSSPKKKEEFEEAGANLVVLVADAVKQAFMDKIKKMET

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111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000111 >DM\_train2168 MRPIPEGYEAVFETVVTPEMTVRFEELGPVHPVYATYWMVKHMELAGRKIILPFLEEGEEGIGSYVEAR HLASALPGMRVRVVARHEKTEGNRVYARVEAYNELGDLIGVGRTEQVILPKAKVEALFRRLKERWEAE RSPS 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000001111 >DM\_train2169 MKFLTTNFLKCSVKACDTSNDNFPLQYDGSKCQLVQDESIEFNPEFLLNIVDRVDWPAVLTVAAELG NNALPPTKPSFPSSIQELTDDDMAILNDLHTLLLQTSIAEGEMKCRNCGHIYYIKNGIPNLLLPPHLVHH HHHH 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000011111 >DM\_train2170 GMEMTKVTGKFDVKLTPENAYATGVGGVNLGRMALDKTFYGELEARSQGEMLSAMTAVKGSAGYV AIEQVVGKLCGRQGSFVLQHFGIMTDGQNRLHLEVVPHSGAGELTGLYGTMAISIENGQHFYEFSFCF EPASEVEG 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000011000000000000000000000000000000000000000000111111

>DM\_train2171 MAHHHHHHMGSRISKEAAPVTFKNGKPTVKGTKTYPMFSNILYRIADTEARRWAFYNDSKELIIHVAV LFDYDSQIVPLGDTTAFRIDDPDEGNEDDFGKYLCEVDVRPLETQMFVEGSVTGWRVDTLEARTAED ERGYRL 111111111111111111100000000000000000000000000000000000000000000000000000000 000000000000111111111110000000000000000000000000000000000000000001 >DM\_train2172 GHMENKVINFKKIIDSRGSLVAIEENKNIPFSIKRVYYIFDTKGEEPRGFHAHKKLEQVLVCLNGSCRVIL DDGNIIQEITLDSPAVGLYVGPAVWHEMHDFSSDCVMMVLASDYYDETDYIRQYDNFKKYIAKINLE KEG 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000001111 >DM\_train2173 GMDQESNATSQDILKQHAAHYESDMGGLPEALVQLAEYAPETFDAYSRMRTTMLKSEADGAKLPLK YKHLILVVLDAIRDEPIGIVNHTRAAMNAGLSVDELIEGILLGIIVYGMPAWGKTGRKAVTFAVEFEKELA GKRT 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000011 >DM\_train2174 NLYFQGMRFVNPIPFVRDINRSKSFYRDRLGLKILEDFGSFVLFETGFAIHEGRSLEETIWRTSSDAQEAY GRRNMLLYFEHADVDAAFQDIAPHVELIHPLERQAWGQRVFRFYDPDGHAIEVGESLSQSGENLYFQ GGS 000000000000000000000000000000000000000000000000000000000000000001100000000 000000000000000000000000000000000000000000000000000001111111111111 >DM\_train2175 NIEQQLYDVVKQLIEQRYPNDWGGAAAIRVEDGTIYTSVAPDVINASTELCMETGAILEAHKFQKKVT HSICLARENEHSELKVLSPCGVCQERLFYWGPEVQCAITNAKQDIIFKPLKELQPYHWTEAYHDEMVK EWSTR 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000001 >DM\_train2176 PKQVGNAQHLYDNYDLVPAMIAEVNPRDMVVMALVNTNVDPTLPPRWALATRNITAIPGIEGDTR KVGTRIPAVAVTGQRSVGNQDSWDQISPMPIAWATPDSSVIARAESTIPSEQWTTLSKNLNKLDQVR ETKFDLLEL 111111111111110000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2177 MAETKIVVGPQPFSVGEEYPWLAERDEDGAVVTFTGKVRNHNLGDSVNALTLEHYPGMTEKALAEIV DEARNRWPLGRVTVIHRIGELWPGDEIVFVGVTSAHRSSAFEAGQFIMDYLKTRAPFWKREATPEGD RWVEAR 000000000000000000000000000000000000000111111110000000000000000000000000000 00000000000000000000000000000000000000000000000000001111111111111 >DM\_train2178 SGDRSMVEVLADHPGELVRTDSPNFLSSVLPTHWRSNKTLPIAFKVVALGDVPDGTLVTVMAGNDE

NYSAELRNATAAMKNQVARFNDLRFVGRSGRGKSFTLTITVFTNPPQVATYHRAIKITVDGPREPRRH RQKLDD 111111111111110000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000111111111111 >DM\_train2179 MASVDFKTYVDQACRAAEEFVNVYYTTMDKRRRLLSRLYMGTATLVWNGNAVSGQESLSEFFEMLP SSEFQISVVDCQPVHDEATPSQTTVLVVICGSVKFEGNKQRDFNQNFILTAQASPSNTVWKIASDCFR FQDWAS 111000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000 >DM\_train2180 GMRNPSEDHMMRTPYQIVADHYAASDRHDPAAMMADIAPAIEWTEMAGFPCAGTYRSADEIVRN VFRRLGEEWDGYTFKLDALHDAGDTVIGVGRYSGTYRRTGKSFECRVAHVWRVDAGKIVHFEQFTDT LLVAQAMQP 111111111100000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000 >DM\_train2181 TDQRWLIDKSALVRLTDSPDMEIWSNRIERGLVHITGVTRLEVGFSAECGEIARREFREPPLSAMPVEYL TPRIEDRALEVQTLLADRGHHRGPSIPDLLIAATAELSGLTVLHVDKDFDAIAALTGQKTERLTHRPPSA 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000001111 >DM\_train2182 MATEPKAGRPSDYMPEVADDICSLLSSGESLLKVCKRPGMPDKSTVFRWLAKHEDFRDKYAKATEAR ADSIFEEIFEIADNAIPDAAEVAKARLRVDTRKWALARMNPRKYGDKVTNELVGKDGGAIQIETSPMST LFGK 111111111000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000011111111 >DM\_train2183 ASRTMVSSGSEFESAVGYSRAVRIGPLVVVAGTTGSGDDIAAQTRDALRRIEIALGQAGATLADVVRT RIYVTDISRWREVGEVHAQAFGKIRPVTSMVEVTALIAPGLLVEIEADAYVGSAVADRNSGAGPKDPS PAGG 100000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000111111111111111111111 >DM\_train2184 KVILYARVSSNTQKDDLANQVKYLEEQVKEYDLVITDIGSGLNMKRKGFLKLLRMILNNEVSRVITAYP DRLVRFGFEILEEVCKAHNCEIVVLNQEDKTPEEELVEDLATILVSFSGKLHGMRSQKYEKVKKCAEELK

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>DM\_train2187 MGSDKIHHHHHHMAYVKERIYESMFIIAPNVPEEERENLVERVKKIIEERVKGKIDKVERMGMRKFAYEI KKFNEGDYTVIYFRCDGQNLQELENFYRVTPEIIRWQTFRRFDLEKKERKAQREKAAAEATESSEGGSE

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111110000000000000000000000000000000011111110000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000 >DM\_train2193 PVFENNNQRYYESLPFKQLKELKIACSQYGPTAPFTIAMIENLGTQALPPNDWKQTARACLSGGDYLL WKSEFFEQCARIADVNRQQGIQTSYEMLIGEGPYQATDTQLNFLPGAYAQISNAARQAWKRLPSLE HHHHHH 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000111111111 >DM\_train2194 GAMSVASLPECVKNFFPTEQLEFSSSITADEKPVLHEVFQKHSCFSQCGEMIDEVSKKHPELGKRLATV LEGNKKRLDGLSPAAVEYAKKLIHMVTTTLCSLTVGKPIDDADAKRLHQEFQSLSSEDQAALRKNNPD IKF 000000000000000000000000000000000000000000011110000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000000000 >DM\_train2195 MTEKKERIDVHAYLAEFDDIPGTRVFTAQRARKGYNLNQFAMSLMKAENRERFKADESAYLDEWNLT

PAAKAAVLARDYNAMIDEGGNVYFLSKLFSTDGKSFQFAAGSMTGMTQEEYAQMMIDGGRSPAGV RSIKGGY 111111100000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000 >DM\_train2196 MANAASGMAVHDDCKLRFLELKAKRTHRFIVYKIEEKQKQVVVEKVGQPIQTYEEFAACLPADECRY AIYDFDFVTAENCQKSKIFFIAWCPDIAKVRSKMIYASSKDRFKRELDGIQVELQATDPTEMDLDVFRS RAN 111100000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000011111111111 >DM\_train2197 MRITQGTFSFLPELTDEQITKQLEYCLNQGWAVGLEYTDDPHPRNTYWEMFGLPMFDLRDAAGILM EINNARNTFPNHYIRVTAFDSTHTVESVVMSFIVNRPADEPGFRLVRQEEPGRTLRYSIESYAVQAGPE GSRY 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000001111111111 >DM\_train2198 MRGSGQFRVIGPGHPIRALVGDEAELPCRISPGKNATGMEVGWYRSPFSRVVHLYRNGKDQDAEQA PEYRGRTELLKESIGEGKVALRIQNVRFSDEGGYTCFFRDHSYQEEAAVELKVEDPFYWINPGRSRSHH HHHH 111100000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000011111111111111111 >DM\_train2199 GMKAADFTYVTVHGDNSRMSRLKAQYTMLFFYDPDCSNCRKFEKLFAEIPAFVEMVENGTLRVLAIY PDENREEWATKAVYMPQGWIVGWNKAGDIRTRQLYDIRATPTIYLLDGRKRVILKDTSMEQLIDYLAT QAGK 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000011111 >DM\_train2200 MGSVVPHYSWFSGITQFQKGKEFQFAEGQGVPIANGIPASEQKGYWYRHNRRSFKTPDGQQKQLLP RWYFYYLGTGPHAGASYGDSIEGVFWVANSQADTNTRSDIVERDPSSHEAIPTRFAPGTVLPQGFYV EGSGRS 111110000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000111 >DM\_train2201 KVVKFSYMWTINNFSFCREEMGEVIKSSTFSSGANDKLKWCLRVNPKGLDEESKDYLSLYLLLVSCPKS EVRAKFKFSILNAKGEETKAMESQRAYRFVQGKDWGFKKFIRRDFLLDEANGLLPDDKLTLFCEVSVV QD 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000001 >DM\_train2202 GMQTINATEIRNNFSYYIDTVVRDKPIAVKRNRDVLLFFSEQIIKDLLQDLKIHAELSKEDGIIIGTIDGFDL VVSGESEQEVIQKLAEDLLEYAQDYMNDFKLFYNAPNRKTHYPYILKVLLSSNIDEVKGYIYAEMV 100000000000000000000000000000000000000000000000000000000000000000000000000

0000000000000000000000000000000000000000000000000000000000000000 >DM\_train2203 MGKRFSSFQAAQIRIARPTGQLDEIIRFYEEGLCLKRIGEFSQHNGYDGVMFGLPHADYHLEFTQYEGG STAPVPHPDSLLVFYVPNAVELAAITSKLKHMGYQEVESENPYWSNGGVTIEDPDGWRIVFMNSKGIS GK 110000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000 >DM\_train2204 GGGGSSGGSTGGGSGSGPVTIEIGSKGEELAFDKTELTVSAGQTVTIRFKNNSAVQQHNWILVKGGE AEAANIANAGLSAGPAANYLPADKSNIIAESPLANGNETVEVTFTAPAAGTYLYICTVPGHYPLMQGK LVVN 111111111111111100000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000 >DM\_train2205 DDDGEHGGRRAALVVTDPLTRTECSACHMAYPAALLPARSWTALMADLPNHFGEDASLDEASRGQ IESYLVANAADSSGAGRALRGLVQTDTPLRISELPWFKRKHADEVSPRMLEKARSMSNCAACHTGAE RGLFDDD 111111111110000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000111 >DM\_train2206 GMPQTITRGIKAMLDEANSSIETLTTADAIALHKSGASDVVIVDIRDPREIERDGKIPGSFSCTRGMLEF WIDPQSPYAKPIFQEDKKFVFYCAGGLRSALAAKTAQDMGLKPVAHIEGGFGAWRDAGGPIEAWAP KKK 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000001111111 >DM\_train2207 GAMGDSIKQLLMAGQINKAFHQALLANDLGLVEFTLRHTDSNQAFAPEGCRLEQKVLLSLIQQISAD MTNHNELKQRYLNEALLAINMADPITREHAPKVLTELYRNCQQFIKNSPKNSQFSNVRLLMKAIITYR DQLK 000000000000000000000000000000000000000011111111110000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000001 >DM\_train2208 MGFNVKTPLLATDVIIRLWDGENFKGIVLIERKYPPVGLALPGGFVEVGERVEEAAAREMREETGLEVR LHKLMGVYSDPERDPRAHVVSVVWIGDAQGEPKAGSDAKKVKVYRLEEIPLDKLVFDHKKIILDFLKG NY 111100000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000000 >DM\_train2209 MKPKLILMSHGRMAEETLASTQMIVGELADAAIVSMTAEDGLSGTQAKLAAILKEAGNVPTLVLADLK GGTPCNVAMMAMGTYPQLRVVAGLNLAMAIEAAVSPVENVDELAAYLTQIGQSAVTTIDLPELTDE EEFEE 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000001111111111 >DM\_train2210

QQVAVITLGIGDLEASARFYGEGFGWAPVFRNPEIIFYQMNGFVLATWLVQNLQEDVGVAVTSRPGS MALAHNVRAETEVAPLMERLVAAGGQLLRPADAPPHGGLRGYVADPDGHIWEIAFNPVWPIGADG SVTFAAK

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MSARISLFAVVVEDMAKSLEFYRKLGVEIPAEADSAPHTEAVLDGGIRLAWDTVETVRSYDPEWQAPT GGHRFAIAFEFPDTASVDKKYAELVDAGYEGHLKPWNAVWGQRYAIVKDPDGNVVDLFAPLPLEHH HHHH

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>DM\_train2226 VDICNHALLVGYGRVGSLLGEKLLASDIPLVVIETSRTRVDELRERGVRAVLGNAANEEIMQLAHLECA KWLILTIPNGYEAGEIVASARAKNPDIEIIARAHYDDEVAYITERGANQVVMGEREIARTMLELLETP 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000011

>DM\_train2227 ALYLGNKRMNDMYYTIGQVAKMQHLTISQIRYYDKQGLFPFLQRNEKGDRIFNEEALKYLEMILCLKN TGMPIQKIKQFIDWSMEGDSTILHRLKLMKQQEANVLQLIQDTEKNLKKIQQKIAKYEDEISSANATTK 111111111110000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000111111111111

>DM\_train2228 MQNLLKNLAASLGRKPFVADKQGVYRLTIDKHLVMLAPHGSELVLRTPIDAPMLREGNNVNVTLLRS LMQQALAWAKRYPQTLVLDDCGQLVLEARLRLQELDTHGLQEVINKQLALLEHLIPQLTPFSVASRV GWN 100000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000001111111111

>DM\_train2229 VAMVNTTTRLSDDALAFLSERHLAMLTTLRADNSPHVVAVGFTFDPKTHIARVITTGGSQKAVNADR SGLAVLSQVDGARWLSLEGRAAVNSDIDAVRDAELRYAQRYRTPRPNPRRVVIEVQIERVLGSADLLD RA 111111111100000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000011

>DM\_train2230 RRWTFVRYHYINKAYEVTMKIQIISGFDRQLTAWLRVHGRRLTNNQKKTLFFVNRRYMQTHWQNY MLWVKRKIKALGRPAAVGDYTRLGAEIGRRVDMVFFYNFLSGRKMIPPYSAYMAKLNALRPADVPVK NHGK 111111111100000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000001111

>DM\_train2231 MKGGIVHSDGSYPKDKFEKINGTWYYFDSSGYMLADRWRKHTDGNWYWFDNSGEMATGWKKIA DKWYYFNEEGAMKTGWVKYKDTWYYLDAKEGAMVSNAFIQSADGTGWYYLKPDGTLADRPEFTVE PDGLITVK 111111111111100000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000

>DM\_train2232 SSSFDKGKYKKGDDASYFEPTGPYLMVNVTGVDGKGNELLSPHYVEFPIKPGTTLTKEKIEYYVEWALD ATAYKEFRVVELDPSAKIEVTYYDKNKKKEETKSFPITEKGFVVPDLSEHIKNPGFNLITKVVIEKK 111111111111111000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000

>DM\_train2233 MEAVKTFNSELYSLNDYKPPISKAKMTQITKAAIKAIKFYKHVVQSVEKFIQKCKPEYKVPGLYVIDSIVR QSRHQFGQEKDVFAPRFSNNIISTFQNLYRCPGDDKSKIVRVLNLWQKNNVFKSEIIQPLLDMAA

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>DM\_train2234 NVGVFVLMHGDSTASSMLKTAQELLGTSIGTAMNMPLTMEVQTMYEQLRNQVITQKESLNNGILLL TDMGSLNSFGNMLFEETGIRTKAITMTSTMIVLEAIRMASVGRSLEDIYQNIQLSFESVVREQFRSSLQK 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000001111

>DM\_train2235 MTKLEQIQQWTAQHHASMTYLSNPKTIEYLTGFGSDPIERVLALVVFPDQDPFIFAPALEVEVIKETGW QFPVIGYLDHENPWAMIADQVKQRHVNPEHVAIEKGQLQVARMEALAAQFSAPSFDLDITSFIEHM

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>DM\_train2236 TVPAQLQFSAKTLDGHDFHGESLLGKPAVLWFWAPWCPTCQGEAPVVGQVAASHPEVTFVGVAGL DQVPAMQEFVNKYPVKTFTQLADTDGSVWANFGVTQQPAYAFVDPHGNVDVVRGRMSQDELTR RVTALTSR 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000011

>DM\_train2237 ADLQVRDIMVPRSQMISIKATQTPREFLPAVIDAAHSRYPVIGESHDDVLGVLLAKDLLPLILKADGDS DDVKKLLRPATFVPESKRLNVLLREFRANHNHMAIVIDEYGGVAGLVTIEDVLEQIVGDIEDEHDVE 110000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000011111111111

>DM\_train2238 MRDPFMEALGLKVLHLAPGEAVVAGEVRADHLNLHGTAHGGFLYALADSAFALASNTRGPAVALSC RMDYFRPLGAGARVEARAVEVNLSRRTATYRVEVVSEGKLVALFTGTVFRLGGDGDDVPAGTGNLAP REA 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000001111111111111111111

>DM\_train2239 MGSDKIHHHHHHLKMKKYTKTHEWVSIEDKVATVGITNHAQEQLGDVVYVDLPEVGREVKKGEVVA SIESVKAAADVYAPLSGKIVEVNEKLDTEPELINKDPEGEGWLFKMEISDEGELEDLLDEQAYQEFCAQE 111111100000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000001

>DM\_train2240 MGSDKIHHHHHHMRVELLFESGKCVIDLNEEYEVVKLLKEKIPFESVVNTWGEEIYFSTPVNVQKMEN PREVVEIGDVGYWPPGKALCLFFGKTPMSDDKIQPASAVNVIGKIVEGLEDLKKIKDGEKVAVRFASS 111111111000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000

>DM\_train2241 GDADVLVKWSEDLANLPSIDTQHKRLVDYINDLYRAARRRDMDKAREVFDALKNYAVEHFGYEERLF ADYAYPEATRHKEIHRRFVETVLKWEKQLAAGDPEVVMTTLRGLVDWLVNHIMKEDKKYEAYLRERG

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>DM\_train2242 SNASAMAQKEEGHEAAAAEAKKETDLAHVDQVETFVGKEKYYVVKGTDKKGTALYVWVPADKKAKI LSKEAKEGISEDKAAKIIKDEGLVSKQKEVHLAREGNVLLWEVTYLDKEGQYSLSYVDFTTGKILKNITP 111111110000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000000

>DM\_train2243 GSHMTSPFKLPDESPSWTEWRLHNDETNSNQDNPLGFKESWGFGKVVFKRYLRYDRTEASLHRVLG SWTGDSVNYAASRFFGFDQIGCTYSIRFRGVSITVSGGSRTLQHLCEMAIRSKQEMLQMAPIEVESNV

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>DM\_train2244 MVKLMIIEGEVVSGLGEGRYFLSLPPYKEIFKKILGFEPYEGTLNLKLDREFDINKFKYIETEDFEFNGKRFF GVKVLPIKILIGNKKIDGAIVVPKKTYHSSEIIEIIAPMKLREQFNLKDGDVIKILIKGDKDE 100000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000001111

>DM\_train2245 HTAFLKAMLSTGFKIPQKGILIGIQQSFRPRFLGVAEQLHNEGFKLFATEATSDWLNANNVPATPVAW PSQEGQNPSLSSIRKLIRDGSIDLVINLPNNNTKFVHDNYVIRRTAVDSGIPLLTNFQVTKLFAEAVQ 000000000000000000000000000000000000000000000000000000000000000000000000111 1100000000000000000000000000000000000000000000000000000000000

>DM\_train2247 SNAMGLFDEVVGAFLKGDAGKYQAILSWVEEQGGIQVLLEKLQSGGLGAILSTWLSNQQRNQSVSG EQLESALGTNAVSDLGQKLGVDTSTASSLLAEQLPKIIDALSPQGEVSAQANNDLLSAGMELLKGKLF

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>DM\_train2248 GSSQNEASEDTGFNPKAFPLASPDLNNKIINLVQQACNYKQLRKGANEATKALNRGIAEIVLLAADAE PLEILLHLPLVCEDKNTPYVFVRSKVALGRACGVSRPVIAAAITSKDGSSLSSQITELKDQIEQILV 111111111111111110000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000111

>DM\_train2249 GMENIEYVFEDVVRIYDTDAQGIAHYAAYYRFFTNTIEKFIKEKVGIPYPIVNENLWFVIAESHAIYHRPV KLGDKLTVLLNPKILSNKTIKFEFKVLKDGELTTEGYVIQIAINPKIWKSTEMPKEIMDKLSIK 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000111111

>DM\_train2250 MQISSDYIPDSKFYKVEAIVRPWRIQQVSSALLKIGIRGVTVSDVRGFGAQGGSTERHGGSEFSEDKFV AKVKMEIVVKKDQVESVINTIIEGARTGEIGDGKIFVLPVSDVIRVRTGERGEKAEKMTGDMLSPS 111000000000000000000000000000000000000000000000111111111111111110000000000 000000000000000000000000000000000000000000000000000111111111

>DM\_train2251 AGGGGSSSGADHISLNPDLANEDEVNSCDYWRHCAVDGFLCSCCGGTTTTCPPGSTPSPISWIGTC HNPHDGKDYLISYHDCCGKTACGRCQCNTQTRERPGYEFFLHNDVNWCMANENSTFHCTTSVLVG LAKN 111111111111111111111110000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000011

>DM\_train2254 EAPFTLKVNTLPLNFDKAEHHRKFQIHINVSYIGERPNSNMVIVDVKMVSGFIPVKPSVKKLQDQSNIQ RTEVNTNHVLIYIEKLTNQTMGFSFAVEQDIPVKNLKPAPVKVYDYYETDEFAIEEYSAPFSSDS 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000001111

>DM\_train2255 MARIPMASAGTSCVPGWAIPHNPLPSCRWYVTSRTCGIGPRLPWPELKRRCCRELADIPAYCRCTALS ILMDGAIPPGPDAQLEGRLEDLPGCPREVQRGFAATLVTEAECNLATISGVAECPWILGGGTMPSK 111111111110000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000001111111

>DM\_train2256 STTPAAGVLDTSVFIATESGRQLDEALIPDRVATTVVTLAELRVGVLAAATTDIRAQRLATLESVADME TLPVDDDAARMWARLRIHLAESGRRVRINDLWIAAVAASRALPVITQDDDFAALDGAASVEIIRV 111000000000000011111000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000

>DM\_train2257 MIYMPIVVAVDKKSDRAERVLRFAAEEARLRGVPVYVVHSLPGGGRTKDEDIIEAKETLSWAVSIIRKEG AEGEEHLLVRGKEPPDDIVDFADEVDAIAIVIGIRKRSPTGKLIFGSVARDVILKANKPVICIK 100000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000011111000000000000000000000000

>DM\_train2258 GMSNALATLASPADDIAFYEERLRAAMLTGDLKGLETLLADDLAFVDHTGCVKTKQTHLEPYRAGLLK LSRLDLSDAVVRAAGEDGRVVVVRAVTAGVYDGEAFTETLRFTRIWRRTQGPAGWKLVAGHCSVIL 111111111111100000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000

>DM\_train2260 GMTKAREFLGTGWKFPVAAGADGAMVLSSAEEDIAESIRIILGTARGERVMRPDFGCGIHDRVFSVIN TTTLGLIENEVKEALILWEPRIELLSVTASPREAAEGRLLIDIEYRVRSTNTRFNLVYPFYLKESA 111111111111111111111110000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000000

>DM\_train2261 GMKLQTTIQHEPKDGSGFDRGLREFFEYRDTGVNEATGGMFGAHVIRAIPGKEAKPTWHTHTVGFQL FYVLRGWVEFEYEDIGAVMLEAGGSAFQPPGVRHRELRHSDDLEVLEIVSPAGFATSVVDLEEARKP 000000000000000000001100000000000000000000000000001111100000000000000000000 00000000000000000000000000000000000000000000000000000011111

>DM\_train2262 AGGRSWCLRRVGMSAGWLLLEDGCEVTVGRGFGVTYQLVSKICPLMISRNHCVLKQNPEGQWTIM DNKSLNGVWLNRARLEPLRVYSIHQGDYIQLGVPLENKENAEYEYEVTEEDWETIYPCLSPKNDQMIE

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>DM\_train2263 TLRVVPELYCFDINVSQSFFVDVLGFEVKYERPDEEFVYLTLDGVDVMLEGIAGKSRKWLSGDLEFPLG SGVNFQWDVIDIEPLYQRVNESAADSIYLALESKSYQCGDSIATQKQFMVQTPDGYLFRFCQDIH 000000000000000000000000000000000000000000000000000011111111111000000000000 00000000000000000000000000000011111000000000000000000000011

>DM\_train2264 NAIMDLQTRNTRGLSTLVVRDIGELMMAGDMAVIERYVADVRGKGAVLDLRIYDAAGRPAGKKQD APDGEVQAALTSGATAEKRHKVDGRHVLSFIVPLANEVRCQSCHEQGARFNGAMLLTTSLEEGYAG ARN 110000000000000000000000000000000000000000000000000000000000111110000000000 00000000000111000000000000000000000000000000000000000000111

>DM\_train2265 MKEKPAVEVRLDKWLWAARFYKTRALAREMIEGGKVHYNGQRSKPSKIVELNATLTLRQGNDERTVI VKAITEQRRPASEAALLYEETAESVEKREKMALARKLNALTMPHPDRRPDKKERRDLLRFKHGDSE 111100000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000001111111111111111111111111

>DM\_train2266 RTTLAYPATAVSVAKNLAANEPSSFTYPDTSSPCVAVKLGAPVPGGVGPDDDIVAYSVLCTHMGCPT SYDSSSKTFSCPCHFTEFDAEKAGQMICGEATADLPRVLLRYDAASDALTAVGVDGLIYGRQANVI 111110000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000

>DM\_train2267 HMGARASVLSGGELDKWEKIRLRPGGKKQYKLKHIVWASRELERFAVNPGLLETSEGCRQILGQLQPS LQTGSEELRSLYNTIAVLYCVHQRIDVKDTKEALDKIEEEQNKSKKKAQQAAADTGNNSQVSQNY 111111100000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000011111111111111111111111

>DM\_train2268 MAAASVTPPGSLELLQPGFSKTLLGTKLEAKYLCSACRNVLRRPFQAQCGHRYCSFCLASILSSGPQN CAACVHEGIYEEGISILESSSAFPDNAARREVESLPAVCPSDGCTWKGTLKEYESCHEGRCPLML 111111111111110000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000

>DM\_train2269 DEHLCANLMQLLQESLAQARLGSRRPARLLMPSQLVSQVGKELLRLAYSEPCGLRGALLDVCVEQGK SCHSVGQLALDPSLVPTFQLTLVLRLDSRLWPKIQGLFSSANSPSQSLTLSTGFRVIKKKLYSSEQ 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000001000000011100000000000000000001111

>DM\_train2271 GSPAAAPPTLPPYFMKGSIIQLANGELKKVEDLKTEDFIQSAEISNDLKIDSSTVERIEDSHSPGVAVIQF AVGEHRAQVSVEVLVEYPFFVFGQGWSSCCPERTSQLFDLPCSKLSVGDVCISLTLKNLKNG 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000011111

>DM\_train2272 AHHHHHHGSEIDKGLAKFGDSLINFLYSLALTEFLGKPTGDRVPNASLAIALELTGLSKNLRRVDKHAK GDYAEALIAKAWLMGLISEREAVEIIKKNLYPEVLDFSKKKEAIGRALAPLLVIISERLYSSQV 111111110000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000000

>DM\_train2273 GAMGQTTFTELMQQLFLKLGLNHQVNENDVYTFEVDGHIQVLIACYHQQWVQLFSELGADLPTND NLFGEHWPAHVQGRLDGKSILWSQQSLVGLDIDEMQAWLERFIDDIEQRKEPQNTKFQPNSTSPILFI 111100000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000001111111000000

>DM\_train2274 GPLDLSRDECKRILRKLELEAYAGVISALRAQGDLTKEKKDLLGELSKVLSISTERHRAEVRRAVNDERLT TIAHNMSGPNSSSEWSIEGRRLVPLMPRLVPQTAFTVTANAVANAAIQHNASLPVPAETGSK 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000111111111111111

>DM\_train2275 GQSLELGTMQPSFTSVTGKGGVKVIDGSSVKFGRFDGAEPHCVGLTDLVTEQDGSSMAAGFMQWD NAFFPWTLNYDEIDMVLEGELHVRHEGETMIAKAGDVMFIPKGSSIEFGTPTSVRFLYVAWPANWQS

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>DM\_train2276 AKLETVTLGNIGKDGKQTLVLNPRGVNPTNGVASLSQAGAVPALEKRVTVSVSQPSRNRKNYKVQV KIQNPTACTANGSCDPSVTRQAYADVTFSFTQYSTDEERAFVRTELAALLASPLLIDAIDQLNPAY 000000000000000000000000000000000000000000000000000000011111000000000000000 111100000000000000000000000000000000000000000000000000000

>DM\_train2277 MSSILPFTPPIVKRLLGWKKGEQNGQEEKWCEKAVKSLVKKLKKTGQLDELEKAITTQNVNTKCITIPRS LDGRLQVSHRKGLPHVIYCRLWRWPDLHSHHELRAMELCEFAFNMKKDEVCVNPYHYQRVET 111111111000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000

>DM\_train2278 MYSFEQAITQLFQQLSLSIPDTIEPVIGVKVGEFACHITEHPVGQILMFTLPSLDNNNEKETLLSHNIFSQ DILKPILSWDEVGGHPVLWNRQPLNNLDNNSLYTQLEMLVQGAERLQTSSLISPPRSFSPG 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000011111110000111

>DM\_train2279 MLPAVPPQQWALSAGNGSSEVEVVPFQEVWGRSYCRALERLVDVVSEYPSEVEHMFSPSCVSLLRC TGCCGDENLHCVPVETANVTMQLLKIRSGDRPSYVELTFSQHVRCECRPLREKMKPERCGDAVPRR 111111111111111110000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000111111111111111

>DM\_train2280 MFSITVRDHIMIAHSFRGDVFGPAQRLHGATFLVDATFRREQLDEDNIVVDIGLATQELGAVVGALNY RNLDNEPDFAGVNTSTEFLAKVIADRLAERVHKGALGEGARGLAGLTVTLHESHVAWASYERAL

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>DM\_train2281 HMVTLYTSPSCTSCRKARAWLEEHEIPFVERNIFSEPLSIDEIKQILRMTEDGTDEIISTRSKVFQKLNVNV ESMPLQDLYRLINEHPGLLRRPIIIDEKRLQVGYNEDEIRRFLPRKVRSFQLREAQRLAN 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000001111111111111

>DM\_train2282 GSSSSGLVPRGSLTHRKFGGSGGSPFSGLSSIAVRSGSYLDAIIIDGVHHGGSGGNLSPTFTFGSGEYIS NMTIRSGDYIDNISFETNMGRRFGPYGGSGGSANTLSNVKVIQINGSAGDYLDSLDIYYEQY 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000000

>DM\_train2283 VASPAIVEAKPVKTIKDKVRAMRELLLSDEYAEQKRAVNRFMLLLSTLYSLDAQAFAEATESLHGRTRV YFAADEQTLLKNGNQTKPKHVPGTPYWVITNTNTGRKCSMIEHIMQSMQFPAELIEKVCGTI 111111111111100000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000

>DM\_train2284 SNRQVQLMARQQRLKAIEDRLEKFYIPLIKAFSSYVYTAQTEDEIETIITCRRYLAGNNLLRVLPMHFKFK ADKIAGSANWTFYAKEDFEQWKEALDVLWEEFLEVLKEYYTLSGTEISLPEKPDWLIGYK 111111111111000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000

>DM\_train2285 MAKYEPKKGDYAGGAVKILDMFENGQLGYPEVTLKLAGEEANARRAGDERTKEAIHAIVKMISDAMK PYRNKGSGFQSQPIPGEVIAQVTSNPEYQQAKAFLASPATQVRNIEREEVLSKGAKKLAQAMAS 111111000000000000000000000000000000000000000000000000000000000000000011111 11000000000000000000000000000000000000011111111111111111

>DM\_train2286 MSVIKIEKALKLDKVIFVDVRTEGEYEEDHILNAINMPLFKNNEHNEVGTIYKMQGKHEAIQKGFDYVS YKLKDIYLQAAELALNYDNIVIYCARGGMRSGSIVNLLSSLGVNVYQLEGGYKAYRNFVLEY 100000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000001

>DM\_train2287 WQFTPNTGGNTITKVEAENMKIGGTYAGKISAPFDGVALYANADYVSYSQYFANSTHNISVRGASSN AGTAKVDLVIGGVTVGSFNFTGKTPTVQTLSNITHATGDQEIKLALTSDDGTWDAYVDFIEFSL 111111111110000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000

>DM\_train2288 MIPVEQRTHKLTSRILVGKPILIKEGYAEVELETIDEMKVDEKGLVHGGFTFGLADYAAMLAVNEPTVVL GKAEVRFTKPVKVGDKLVAKAKIIEDLGKKKIVEVKVYREEEVVLEGKFYCYVLEKHVLDN 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000001

>DM\_train2289 MRRAGYLHLYGLNLVFDRVGKGPPVLLVAEEASRWPEALPEGYAFYLLDLPGYGRTEGPRMAPEELA

HFVAGFAVMMNLGAPWVLLRGLGLALGPHLEALGLRALPAEGVEVAEVLSSKLSYGNIDLGGNL 100000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000011111111

>DM\_train2291 QVVAAIRHITTGTYIARIREEYQQTEVKPELQPMKEALARMTDRAEALIAFVTEQKDQELLDFQARRLV EMTAHAVFGHLLMLAANDDDSFRQSAEVYLRYGQAEQEKIDSYVRAFRPEELTFYSRCSRPE 110000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000001111111111111

>DM\_train2292 GSHMVPGQKQHYVQPTAANSGEISYADFEKVDIRVGTIVEAVPFPEARKPAIKVKIDFGPEIGIKKSSA QITVHYTPESLVGRQVLGVVNFPPRQIGPFRSEVLTLGFADANGDIVLAAVERPVPNGEKMC 111111111111111111110000000000000000000000001111100000000000000000000000000 00000000000000000000000000000000000000000000000000000000

>DM\_train2293 MKTVKHLLQEKGHTVVAIGPDDSVFNAMQKMAADNIGALLVMKDEKLVGILTERDFSRKSYLLDKPV KDTQVKEIMTRQVAYVDLNNTNEDCMALITEMRVRHLPVLDDGKVIGLLSIGDLVKDAISQHQF 000000000000000000000000000000000000000000000000000000000000000100000000000 00000000000000000000000000000000000000000000000000001111

>DM\_train2294 MDDSEDTSWDFGPQAFKLLSAVDILGEKFGIGLPILFLRGSNSQRLADQYRRHSLFGTGKDQTESWW KAFSRQLITEGFLVEVSRYNKFMKICALTKKGRNWLHKANTESQSLILQANEELCPKKFLLPSS 111111100000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000111111111111111

>DM\_train2295 MSKDEVKREAKDTDGNPEIKGERRRLHSEIQSGSLANNIKKSTVIVKNATHIAICLYYKLGETPLPLVIET GKDAKALQIIKLAELYDIPVIEDIPLARSLYKNIHKGQYITEDFFEPVAQLIRIAIDLDY 111111111111111111111111111111000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000000

>DM\_train2296 MSNQIYSARYSGVDVYEFIHSTGSIMKRKKDDWVNATHILKAANFAKAKRTRILEKEVLKETHEKVQG GFGKYQGTWVPLNIAKQLAEKFSVYDQLKPLFDFTQTDGSASPPPAPKHHHASKVDHHHHHH 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000111111111111111111111111111111

>DM\_train2297 ALITQQDLAPQQRAAPQQKRSSPSEGLCPPGHHISEDGRDCISCKYGQDYSTHWNDLLFCLRCTRC DSGEVELSPCTTTRNTVCQCEEGTFREEDSPEMCRKCRTGCPRGMVKVGDCTPWSDIECVHKES 111111111111111111110000000000000000000000000000000000000000000000000000000 0000000000000000000000000001111111111111000000001111111

>DM\_train2298 GSASAKELACQEITVPLCKGIGYEYTYMPNQFNHDTQDEAGLEVHQFWPLVEIQCSPDLKFFLCSMYT PICLEDYKKPLPPCRSVCERAKAGCAPLMRQYGFAWPDRMRCDRLPEQGNPDTLCMDYERTD 111111000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000

>DM\_train2299

GMATEKYHEILKKYFLSFETGDFSQVQFSCNLEFLSPISGNTLKGTEEVIPFLKGVTTRVAEVNIMSTTVE YPRASGVWQMRTTKGTLYTLHNFFRLDEEGIVYVWPMFDPKAVMENPDALIQWLTGKDY 110000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000

>DM\_train2300 MAKTDRSQPSVLARIAAFRTGLSAEASAADYLERQGYRILARRFKTRCGEIDLVAQRDALVAFVEVKAR GNVDDAAYAVTPRQQSRIVAAAEAWLSRHPEHAMSELRFDAILIAPNTAPRHLPGAFDATP 111111111111111111111100000000000000000000000000000000000000000000000111111 0000000000000000000000000000000000000000000000000000000

>DM\_train2302 DEPDLKDLFITVDEPESHVTTIETFITYRIITKTSRGEFDSSEFEVRRRYQDFLWLKGKLEEAHPTLIIPPLPE KFIVKGMVERFNDDFIETRRKALHKFLNRIADHPTLTFNEDFKIFLTAQAWELSSH 000000000000000000000000000000000000000000000000000000000000000000000000000 0111100000000000000000000000000000000000000000000001111

>DM\_train2303 MRKSLFAVMVLALVAAFALPVIAAEAPADGLKMENTKMPVIFNHSSHSSYQCADCHHPVDGKENLA KCATAGCHDVFDKKDKSVHSYYKIIHDRKATTVATCMSCHLEAAGSDKDLKKELTGCKKSKCHP 111111111111111111111110000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000

>DM\_train2304 MELFTEAWAQAYCRKLNESEAYRKAASTWEGSLALAVRPDPKAGFPKGVAVVLDLWHGACRGAKA VEGEAEADFVIEADLATWQEVLEGRLEPLSALMRGLLELKKGTIAALAPYAQAAQELVKVAREVA 100000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000

>DM\_train2305 MMRCPECSTEGWRVLPLTVGAHVKEGLWSKIKGDFYFCSLESCEVVYFNEQTVFRKGELKTRVGVKER EEPKPVCYCNRVTEKMLLEAAEKFGKEKAVEITGAGKGKWCVVTNPSGRCCHWHLERLGFPV 100000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000

>DM\_train2306 SNAMFHYTVDVSTGMNETIERLEESLKQEGFGVLWQFSVTEKLQEKGLDFSTPMVILEVCNPQEAAR VLNENLLVGYFLPCKLVVYQENGTTKIGMPKPTMLVGMMNDPALKEIAADIEKRLAACLDRCR 110000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000

>DM\_train2307 MVQIIFDSKTGNVQRFVNKTGFQQIRKVDEMDHVDTPFVLVTYTTNFGQVPASTQSFLEKYAHLLLG VAASGNKVWGDNFAKSADTISRQYQVPILHKFELSGTSKDVELFTQEVERVVTKSSAKMDPVK 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000001111

>DM\_train2308 KNMADLSYVNIFTRDIVAMSAFYQQVFGFQEIESIRSPIFRGLDTGKSCIGFNAHEAYELMQLAQFSET SGIKFLLNFDVDTKEAVDKLVPVAIAAGATLIKAPYETYYHWYQAVLLDPERNVFRINNVL 111000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000000

>DM\_train2309 MGLNIGDLLGSTPAKDQGCSRTCESQFCTIAPLLRYGKYCGILYSGCPGERPCDALDACCMVHDHCV DTHNDDYLNTMCNENLLSCIDRVSGATFPGNKCNVGQTASVIRGVIETAVFAGKILHKRDDGQ 111000000111110000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000111

>DM\_train2310 MPDRTTDDFGPFTEQIRGTIDGMGTAEFDALPVGAIQVDGSGVIHRYNRTESRLSGRIPERVIGRNFFT EVAPCTNIPAFSGRFMDGVTSGTLDARFDFVFDFQMAPVRVQIRMQNAGVPDRYWIFVRK 111111111111111111100111000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000

>DM\_train2311 MAKKPSKKKVKRQVASGRAYIHASYNNTIVTITDPDGNPITWSSGGVIGYKGSRKGTPYAAQLAALDA AKKAMAYGMQSVDVIVRGTGAGREQAIRALQASGLQVKSIVDDTPVPHNGCRPKKKFRKAS 111111111100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000

>DM\_train2312 ATLHSFVLVDNGGTGNVTVVPVSNANGVAEWLSNNSRSQAYRVTASYRASGADKRKYTIKLEVPKIV TQVVNGVELPVSAWKAYASIDLTIPIFAATDDVTVISKSLTGLFKVGNPIAEAISSQSGFYA 000000000000000000000000000000000000000000000000000000000000000000011111110 000000000000000000000000000000000000000000000000000000

>DM\_train2313 APQSITELCSEYHNTQIYTINDKILSYTESMAGKREMVIITFKSGATFQVEVPGSQHIDSQKKAIERMKD TLRITYLTETKIDKLCVWNNKTPNSIAAISMEKLAGFGAVGAGATAEETRMLHAFDTLA 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000011111111111111111111111

>DM\_train2314 MDIGINSDPNSSTQSYKDAMGPLVRECMGSVSATEDDFKTVLNRNPLESRTAQCLLACALDKVGLIS PEGAIYTGDDLMPVMNRLYGFNDFKTVMKAKAVNDCANQVNGAYPDRCDLIKNFTDCVRNSY 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000

>DM\_train2315 MNSPTSRPLRRDPLHNALVTTNVLVVLDQLEVAAEPTRRRLVQLLTSGEQTVNNLAAHFPASRSAIS QHLRVLTEAGLVTPRKDGRFRYYRLDPQGLAQLRALFDSFWIDELDRLVADATEEAASKGDS 111111111111111111111111100000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000011111111

>DM\_train2316 MVAVPEGYESLLERPLYGHLATVRPDGTPQVNAMWFAWDGEVLRFTHTTKRQKYRNIKANPAVAM SVIDPDNPYRYLEVRGLVEDIVPDPTGAFYLKLNDRYDGPLTEPPADKADRVIIVVRPTAFSKQ 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000000

>DM\_train2317 GMKQDSIITLHPDDRSEQTAEIMRRFNDVFQLHDPAALPELIAEECVIENTVPAPDGARHAGRQACV QLWSAIATQPGTRFDLEETFVAGDRATIRWRYWMADGNSVRGVNLMRVQDGRIVEAMGYVKG 111111100000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train2318 EDSPLDALDLVWAKCRGYPSYPALIIDPKMPREGMFHHGVPIPVPPLEVLKLGEQMTQEAREHLYLVL FFDNKRTWQWLPRTKLVPLGVNQDLDKEKMLEGRKSNIRKSVQIAYHRALQHRSKVQGEQS 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000011

>DM\_train2319 MEYKSSPKRPYLLRAYYDWLVDNSFTPYLVVDATYLGVNVPVEYVKDGQIVLNLSASATGNLQLTND FIQFNARFKGVSRELYIPMGAALAIYARENGDGVMFEPEEIYDELNIEPDTEQPTGFYEAVD 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000111111111111111

>DM\_train2320 GSRRASVGSHEVEKSGLLNMTKIAQGGRKLRKNWGPSWVVLTGNSLVFYREPPPTAPSSGWGPAGS RPESSVDLRGAALAHGRHLSSRRNVLHIRTIPGHEFLLQSDHETELRAWHRALRTVIERLVRW 111111110000000000000000000000000000000000000000000011111111111111000000000 000000000000000000000000000000000000000000000000000000

>DM\_train2321 MTKVDFWPTLKDAYEPLYPQQLEILRQQVVSEGGPTATIQSRFNYAWGLIKSTDVNDERLGVKILTDIY KEAESRRRECLYYLTIGCYKLGEYSMAKRYVDTLFEHERNNKQVGALKSMVEDKIQKETL 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000111111111111111111111111111

>DM\_train2322 EEITDGVNNMNLATDSQKKNRIQVSNTKKPLFFYVNLAKRYMQQYNDVELSALGMAIATVVTVTEIL KNNGFAVEKKIMTSIVDIKDDARGRPVQKAKIEITLVKSEKFDELMAAANEEKEDAETQVQN 111111111111111110000000000000000000000000000000000000000000000000000000000 000000000001111110000000000000000000000001111111111111

>DM\_train2323 MDFITDMSKNQRLELQNRLAQYETSLMVMSHNGDVPVITGFNVMRVTTMLDALKVELPAVAVLGD DAQDLAYVFGARPLAVGVNIIRVVDVPGQQPSALVDAELGALHEVSMVRVLNDIADEQLVKANM 111111111111100000000000000000000000000000000000000000011000000000000000000 000000000000000000000000000000000000000000000000000000

>DM\_train2324 KPQAPELRIFPKKMDAELGQKVDLVCEVLGSVSQGCSWLFQNSSSKLPQPTFVVYMASSHNKITWDE KLNSSKLFSAMRDTNNKYVLTLNKFSKENEGYYFCSVISNSVMYFSSVVPVLQKVSSALVP 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000011111111

>DM\_train2325 RKKPHIVISMPQDFRPVSSIIDVDILPETHRRVRLCKYGTEKPLGFYIRDGSSVRVTPHGLEKVPGIFISRL VPGGLAQSTGLLAVNDEVLEVNGIEVSGKSLDQVTDMMIANSRNLIITVRPANQRN 111110000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000

>DM\_train2326 MACAAARSPADQDRFICIYPAYLNNKKTIAEGRRIPISKAVENPTATEIQDVCSAVGLNVFLEKNKMYS REWNRDVQYRGRVRVQLKQEDGSLCLVQFPSRKSVMLYAAEMIPKLKTRTQLEHHHHHH

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>DM\_train2327 GMENELEDKILAILEQHQVGVLTSVQGDFPHARYMTFLHDGLTLYTPSGKELPKTEEVRRNPHVCVLI GYDSPGSAFLEINGLASLEEDESIKERIWENISKDWFQGEDSPSFVVIKIVPEQIRILNS 100000000000000000000000000000000000000000000000111100000000000000000000000 00000000000000000000000000000001111110000000000000001

>DM\_train2328 GAGDVVTRDVNKLPVAAREMIGKHFSQTKVAYIKIEKDLFQTTSYDVKLADGIELEFNSKGEWLEIDCK NKSVPSTFIPQAISKYMKANYNGHKTVKIERNRKGYELTLENGLEVDFDQFGGFLKLSD 110000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000

>DM\_train2329 MTCAYRREIHHAHVAIRDWLAGDSRADALDALMARFAEDFSMVTPHGVVLDKTALGELFRSKGGTR PGLRIEIDGESLLASGVDGATLAYREIQSDAAGRSERLSTVVLHRDDEGRLYWRHLQETFCG 110000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000

>DM\_train2330 GSHMAKHEQILVLDPPSDLKFKGPFTDVVTTNLKLQNPSDRKVCFKVKTTAPRRYCVRPNSGVIDPGS IVTVSVMLQPFDYDPNEKSKHKFMVQTIFAPPNISDMEAVWKEAKPDELMDSKLRCVFEM 110000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000

>DM\_train2331 MSHAIQIREAHFPGRAPIDAYGNGGFRFADMSHRGSIICIPSGIYGIDMTGPVPTQEDISRVLEESDQIE VLLIGTGVELLRLPEELRVLLWEKRISSDTMSTGAAVRTFNVLLAEDRAVAALLFAVE 111111111100000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000000

>DM\_train2332 ADSQTSSNRAGEFSIPPNTDFRAIFFANAAEQQHIKLFIGDSQEPAAYHKLTTRDGPREATLNSGNGKI RFEVSVNGKPSATDARLAPINGKKSDGSPFTVNFGIVVSEDGHDSDYNDGIVVLQWPIG 111100000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000011000000000000000000000000000000000

>DM\_train2333 GMTNTTYVQEYHAIVEVLSKYNEGGKKADSTIMRPAFSSQATIFGVDVDNKLTGGPIQGLFDVIDNVF HPSPEAKAAIARIDIVGTAASARIDTDDISGFRFTDFFNLLKVEGKWTVVSKIYHTHPSA 111000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000011

>DM\_train2334 APARSPSPSTQPWEHVNAIQEARRLLNLSRDTAAEMNETVEVISEMFDLQEPTCLQTRLELYKQGLRG SLTKLKGPLTMMASHYKQHCPPTPETSCATQIITFESFKENLKDFLLVIPFDCWEPVQE 111000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000001111

>DM\_train2335 GSHMGSLDETTYERLAEETLDSLAEFFEDLADKPYTFEDYDVSFGSGVLTVKLGGDLGTYVINKQTPNK

QIWLSSPSSGPKRYDWTGKNWVYSHDGVSLHELLAAELTKALKTKLDLSSLAYSGKDA 111111000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000

>DM\_train2336 GENIVCRVICTTGQIPIRDLSADISQVLKEKRSIKKVWTFGRNPACDYHLGNISRLSNKHFQILLGEDGN LLLNDISTNGTWLNGQKVEKNSNQLLSQGDEITVGVGVESDILSLVIFINDKFKQCL 111000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000

>DM\_train2337 MGDKPIWEQIGSSFIQHYYQLFDNDRTQLGAIYIDASCLTWEGQQFQGKAAIVEKLSSLPFQKIQASIT AQDHQPTPDSCIISMVVGQLKADEDPIMGFHQMFLLKNINDAWVCTNDMFRLALHNFG 111000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000001111

>DM\_train2338 KVLTIKSCNIHSGIGIRPHAQIELEYQGKIHKEISEGDGGYDAFMNALTKITNRLGISIPKLIDYEVRIPPGG KTDALVETRITWNKSLDLEEDQTFKTMGVHPDQTVAAVHATEKMLNQILQPWQI 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000001111111100000000000000000000000000001111

>DM\_train2339 QEQRMSHHYATIEVSQQLRQLLGDQLVILLRETPDGQALERSQNDFRRVLEQGRANTVDSAEQAAL DGVRDAYLQLQAHTPALLEAPMADNDGFSEAFNGLRLRLQDLQQLALAGISEAETSARHRA 110000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000011111111

>DM\_train2340 GAMGSGDTQLFNRAVSMVEKNKDIRSLLQCDDGITGKERLKAYGELITNDKWTRNRPIVSTKKLDKE GRTHHYMRFHVESKKKIALVHLEAKESKQNYQPDFINMYVDVPGEKRYYLIKPKLHPVSN 111100000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000

>DM\_train2341 GEEEKKRTARTDYWLQPEIIVKIITKKLGEKYHKKKAIVKEVIDKYTAVVKMIDSGDKLKLDQTHLETVIPA PGKRILVLNGGYRGNEGTLESINEKTFSATIVIETGPLKGRRVEGIQYEDISKLA 111111100000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000

>DM\_train2342 SNAMNLKREQEFVSQYHFDARNFEWENENGAPETKVDVNFQLLQHDQENQVTSLIVILSFMIVFDK FVISGTISQVNHIDGRIVNEPSELNQEEVETLARPCLNMLNRLTYEVTEIALDLPGINLEF 110000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000

>DM\_train2343 MSDTLPGTTPPDDNHDRPWWGLPCTVTPCFGARLVQEGNRLHYLADRAGIRGRFSDVDAYHLDQA FPLLMKQLELMLTGGELNPRHQHTVTLYAKGLTCEADTLGSCGYVYLAVYPTPAAPATTVLE 111000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000011111111

>DM\_train2344

GMIKKEGPGWRIIFDSSRDNFSTLIGGETWAIELDKSEWKILVEVVMELCDQYKLVKEQLMGDEDITLE LERRPWLAILNGDQYGWNLRLILSASGLFNRGAEVYWPRHVTNNVVNAMRSMWDSDYL 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000111000000000000000000000000001111

>DM\_train2345 ELLFNKTKSVEFTFGNDTVVIPCFVTNMEAQNTTEVYVKWKFKGRDIYTFDGALNKSTVPTDFSSAKIE VSQLLKGDASLKMDKSDAVSHTGNYTCEVTELTREGETIIELKYRVVSWSTRHHHHHH 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000011111111111

>DM\_train2346 MEHVPAELTRVSEGYTRFYRSPTASVILSGLVKVKWDNEQMTMPLFKWIGGEQAEELHFCVHIAHSS GPKLNRARSLGTVNSNMDQHWAQAQRNSGATRRTIEGFHLFENDIPNFPDYIKIKLVPKT 111111111111000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000000

>DM\_train2347 MSLKFPDTGLEEKEVAFSIVNHAAKSLGFIHVDQWDYERVMFDYKIVHHEGTFYLRVPAYAVKGEIPRP STIVQIMTPILGKYYYPHGVEYEGETFPQAVIDKCNNKLALLAKTIKAEWEGHHHHHH 100000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000011111111111

>DM\_train2348 PRTQFSGLRRELPPSVRLLTLARWGPETLLLRLEHQFAVGEDSGRNLSSPVTLDLTNLFSAFTITNLRETT LAANQLLAYASRLQWTTDTGPTPHPSPSRPVSATITLQPMEIRTFLASVQWEEDG 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000001111111111111100000000000000000001111

>DM\_train2349 MTDQATPNLPSRDFDSTAAFYERLGFGIVFRDAGWMILQRGDLMLEFFAHPGLDPLASWFSCCLRLD DLAEFYRQCKSVGIQETSSGYPRIHAPELQEWGGTMAALVDPDGTLLRLIQNELLAGIS 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000111111

>DM\_train2350 MQTGRTEDDLVPTAPSLGTKEGYLTKQGGLVKTWKTRWFTLHRNELKYFKDQMSPEPIRILDLTECSA VQFDYSQERVNCFCLVFPFRTFYLCAKTGVEADEWIKILRWKLSQIRKQLNQGEGTIR 111111111111110000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000111111111111

>DM\_train2351 SHMPASVQLHTAVEMHHWCIPFSVDGQPAPSLRWLFNGSVLNETSFIFTEFLEPAANETVRHGCLRL NQPTHVNNGNYTLLAANPFGQASASIMAAFMDNPFEFNPEDPIPDTNSTSGDPVEKKDE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000001111111111111111111

>DM\_train2352 KAMHVAQPAVVLASSRGIASFVCEYASPGKATEVRVTVLRQADSQVTEVCAATYMMGNELTFLDDSI CTGTSSGNQVNLTIQGLRAMDTGLYICKVELMYPPPYYLGIGNGTQIYVIDPEPCPDSD 000000000000000000000000001111000000000001110000000000000000000000000000000 000000000000000000000000000000000000000000000111111

>DM\_train2354 MRHISPEELIALHDANISRYGGLPGMSDPGRAEAIIGRVQARVAYEEITDLFEVSATYLVATARGYIFND ANKRTALNSALLFLRRNGVQVFDSPELADLTVGAATGEISVSSVADTLRRLYGSAD 000000000000000000000000001000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000111

>DM\_train2355 GKPDISAKDLRNIMYDHLPGFGTAFHQLVQVICKLGKDSNSLDIIHAEFQASLAEGDSPQCALIQITKR VPIFQDAAPPVIHIRSRGDIPRACQKSLRPVPPSPKIDRGWVCVFQLQDGKTLGLKI 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000

>DM\_train2356 GMGFLDALMGNASEVDLGKLAAELSPILGDNEELQLAYKMVRDLFVFTSKRLILIDKQGVTGKKVSYH SIPYKAIVHFQVETAGTFDMDAELKLWISGQHEPLVKELKRGTDVVGIQKTIARYALG 111111111111111000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000

>DM\_train2357 RVSVTDYKRLLDSGAFHLLLDVRPQVEVDICRLPHALHIPLKHLERRDAESLKLLKEAIWEEKQGTQEG AAVPIYVICKLGNDSQKAVKILQSLSAAQELDPLTVRDVVGGLMAWAAKIDGTFPQY 000000000000000000000000000000000000000000000000000000000000000000111000000 000000000000000000000000000000000000000000000000000

>DM\_train2358 THSQLDQLLTGLVDRVAEVDHAVVLSEDGLVVSKSTGFLRDDAERLAATASGLMSLSKGVSMDFRRG PVRQALIEMGKGYLILTAAGPGAHLVVLTRQGADVGVVAYQMNMLVKKIGEHLSAPPRG 100000000000000000000000000000000000000000000000000000001111111111111000000 000000000000000000000000000000000000000001111111111

>DM\_train2359 GAPSQGATANAETQTTIPLGDTSQNALDWPGVYEGVLPCASCEGIQTTLTLQADNSFELKSIYLGKDE SIFKVAGKFDWDSNGSKITLSDGSKYLVGENQLLMLDTEGNRITGGLAEHYILKKKGM 111111111111111111100000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000

>DM\_train2360 PTMEGPLRRKTLLKEGRKPALSSWTRYWVVLSGATLLYYGAKSLRGTDRKHYKSTPGKKVSIVGWMV QLPDDPEHPDIFQLNNPDKGNVYKFQTGSRFHAILWHKHLDDACKSSRPQVPANLMSFE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000011111111111

>DM\_train2361 MPAIFTHEGKVEGVPGNYPLTAENLFRIGLALCTLWILDKEIEEPTLSIPETNFVTLALSVGFMNAGGSV NVGKGGDIKLFLQKGEIYVLEFQPLSETDIKKLESILFGRAPIPKKTGEDIGSFKC 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000

>DM\_train2362 MAFSGTWQVYAQENYEEFLRAISLPEEVIKLAKDVKPVTEIQQNGSDFTITSKTPGKTVTNSFTIGKEAEI TTMDGKKLKCIVKLDGGKLVCRTDRFSHIQEIKAGEMVETLTVGGTTMIRKSKKI 100000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train2363 DIEKEILDLAAATERLNLTDALNSNPAGNLYDWRSSNSYPWTQKLNLHLTITATGQKYRILASKIVDFNI YSNNFNNLVKLEQSLGDGVKDHYVDISLDAGQYVLVMKANSSYSGNYPYSILFQKF 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000

>DM\_train2364 MPYKNILTLISVNNDNFENYFRKIFLDVRSSGSKKTTINVFTEIQYQELVTLIREALLENIDIGYELFLWKK NEVDIFLKNLEKSEVDGLLVYCDDENKVFMSKIVDNLPTAIKRNLIKDFCRKLS 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000

>DM\_train2365 MSDSHHKPVWDRTHHAKMATGIGDPQCFKGMAGKSKFNVGDRVRIKDLPDLFYTRTMTYTRGATG TIVRLVYESPAAEDEAFGNEENVEWFYSIVFAQKDLWPEYSDTFANDTLETEIPERYLEKA 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000

>DM\_train2366 MTNKQVEISMAEWDVMNIIWDKKSVSANEIVVEIQKYKEVSDKTIRTLITRLYKKEIIKRYKSENIYFYSS NIKEDDIKMKTAKTFLNKLYGGDMKSLVLNFAKNEELNNKEIEELRDILNDISKK 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000000

>DM\_train2367 MKDPLLNSLIYVSRYYGLANSPEALVNGLPLSDGKLTPFLLPRAAERAGLVAKENRAELEKISSLILPAILV LKGGDSCVLNSINMETREAEVTTLESGMVPISIPLEDLLEQYTGRYFLVKKQFR 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000011

>DM\_train2368 GSRESTGYLEELEKERSLLLADLDKEEKEKDWYYAQLQNLTKRIDSLPLTENFSLQTDMTRRQLEYEAR QIRVAMEEQLGTCQDMEKRAQRRIARIQQIEKDILRIRQLLQSQATEAERSSQNKH 111100000000000000000000000000000000000000000000111110000000000000000000000 00000000000000000000000000000000000000011111111111

>DM\_train2369 TTEENSKSEALLDIPMLEQYLELVGPKLITDGLAVFEKMMPGYVSVLESNLTAQDKKGIVEEGHKIKGAA GSVGLRHLQQLGQQIQSPDLPAWEDNVGEWIEEMKEEWRHDVEVLKAWVAKATKK 111111000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000

>DM\_train2371 RAKQQAAKSERRVRELTEATNDILWEFTADLSEVLVINSAYEDIWGRSVAKLRENPHDFLNGIHPEDRE LMKDTMQSLMDGESADVECRVNATEEYQRWVWIQGEPITNDAGETVRVAGFARDIT 111111111000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000

>DM\_train2372 NLYFQGHMRKIFLACPYSHADAEVVEQRFRACNEVAATIVRAGHVVFSQVSMSHPINLCLAELDRAA IGRLWAPVDAFYMDHLEELIVLDLPGWRDSAGIRREMEFFEAGGQRVSLWSEVEHEFR

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>DM\_train2373 MGSDKIHHHHHHMFPYKIVDDVVILMPNKELNIENAHLFKKWVFDEFLNKGYNKIFLVLSDVESIDSF SLGVIVNILKSISSSGGFFALVSPNEKVERVLSLTNLDRIVKIYDTISEAMEEVRRK 111111100000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000001

>DM\_train2374 AECSVDIQGNDQMQFNTNAITVDKSCKQFTVNLSHPGNLPKNVMGHNWVLSTAADMQGVVTDG MASGLDKDYLKPDDSRVIAHTKLIGSGEKDSVTFDVSKLKEGEQYMFFCAAHAAMKGTLTLK 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000011100000000000000000000

>DM\_train2375 GMGVNMRAETESRIFSVDEYVRPSNGEPIRSVVLETNDSVVVVWHAHPGQEIASHVHPHGQDTWT VISGEAEYHQGNGIVTHLKAGDIAIAKPGQVHGAMNSGPEPFIFVSVVAPGNAGFALAEK 111111111100000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000

>DM\_train2376 DVTPRRDAEYPPPEFLEAMKPLREICIKKTGVTEEAIIEFSDGKVHEDENLKCYMNCLFHEAKVVDDTG HVHLEKLHDALPDSMHDIALHMGKRCLYPEGENLCEKAFWLHKCWKESDPKHYFLI 111111111000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000

>DM\_train2377 DLYFNPRFLADDPQAVADLSRFENGQELPPGTYRVDIYLNNGYMATRDVTFNTGDSEQGIVPCLTRA QLASMGLNTASVAGMNLLADDACVPLTTMVQDATAHLDVGQQRLNLTIPQAFMSNRAR 000000000111111111000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000

>DM\_train2378 MRVEDVMVTDVDTIDITASLEDVLRNYVENAKGSSVVVKEGVRVGIVTTWDVLEAIAEGDDLAEVKV WEVMERDLVTISPRATIKEAAEKMVKNVVWRLLVEEDDEIIGVISATDILRAKMAKRY 100000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000001111

>DM\_train2379 GSSGSSGEKITKVYELGNEPERKLWVDRYLTFMEERGSPVSSLPAVGKKPLDLFRLYVCVKEIGGLAQV NKNKKWRELATNLNVGTSSSAASSLKKQYIQYLFAFECKIERGEEPPPEVFSTGDT 111111000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000011111

>DM\_train2380 ASENIEVHMLNKGAEGAMVFEPAYIKANPGDTVTFIPVDKGHNVESIKDMIPCGACKFKSKINENYVL TVTQPGAYLVKCTPHYAMGMIALIAVGDSPANLDQIVSAKKPKIVQERLEKVIASAK 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000111

>DM\_train2381 MSLSIGRTCWAIAEGYIPPYGNGPEPQFISHETVCILNAGDEDAHVEITIYYSDKEPVGPYRLTVPARRT

KHVRFNDLNDPAPIPHDTDFASVIQSNVPIVVQHTRLDSRQAENALLSTIAYANT 111100000000000000011111111111100000000000000000000000000000000000000000000 00000000000000000000000000000011111111111111111111

>DM\_train2382 SNAMALGFGMKMELQQFLDALASSPEKIEFETTMAVIEDNYDFTPAAFTNGNTQNDANENNGSCKI FAFGLLNALDKEATLACFGRFYREDVLLHPENNDHQNIRNFMVTGWEGIQFETSALTAK 111110000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000

>DM\_train2383 MTGRIVHFEIPFDDGDRARAFYRDAFGWAIAEIPDMDYSMVTTGPVGESGMPDEPGYINGGMMQR GEVTTPVVTVDVESIESALERIESLGGKTVTGRTPVGNMGFAAYFTDSEGNVVGLWETAR 000000000000000000000000000000000110000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000

>DM\_train2384 GPLGSMPSEKTFKQRRSFEQRVEDVRLIREQHPTKIPVIIERYKGEKQLPVLDKTKFLVPDHVNMSELIKII RRRLQLNANQAFFLLVNGHSMVSVSTPISEVYESERDEDGFLYMVYASQETFG 111111111000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000000

>DM\_train2385 ESVKAMWGVVTDSQTEIVALAKVRNEDVVPIVVSGYHYTIEMNGVKVADGYENSPVTVKPASATTLK FSLRLNNSFLREWWVTHIANGEKTKIRVAIKPTIEIGGRDVEVPVFLRESEFTTKLLS 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000100000000000000000001

>DM\_train2386 IVVYTDREVYGAVGSQVTLHCSFWSSEWVSDDISFTWRYQPEGGRDAISIFHYAKGQPYIDEVGTFKE RIQWVGDPSWKDGSIVIHNLDYSDNGTFTCDVKNPPDIVGKTSQVTLYVFEKVPTR 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000001111000000000000011111

>DM\_train2387 SGPWMCYPGQAFQVPALPACRPLLRLQCNGSQVPEAVLRDCCQQLAHISEWCRCGALYSMLDSM YKEHGAQEGQAGTGAFPRCRREVVKLTAASITAVCRLPIVVDASGDGAYVCKDVAAYPDA 111100000000000000000000000000000000000000000000000000000000000000001111111 1100000000000000000000000000000000000000000000000

>DM\_train2388 TESGTAAQDPEALAAEIGPVKQVSLGEQIDAALAQQGEQLFNTYCTACHRLDERFIGPALRDVTKRRG PVYIMNVMLNPNGMIQRHPVMKQLVQEYGTMMTDMALSEEQARAILEYLRQVAENQ 111111110000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000000

>DM\_train2389 LRPKALTQVLSQANTGGVQSTLLLNNEGSLLAYSGYGDTDARVTAAIASNIWAAADRNGNQAFNED SLKFILMDCMEGRVAITRVANLLLCMYAKETVGFGMLKAKAQALVQYLEEPLTQVAAS 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000011111111

>DM\_train2390

GLPVEVRGSNGAFYKGFVKDVHEDSVTIFFENNWQSERQIPFGDVRLPPPADYNKEITEGDEVEVYSR ANEQEPCGWWLARVRMMKGDFYVIEYAACDATYNEIVTLERLRPVNPNPLATKGSF 000000000000000000000000000000000000000000000000000111100000000000000111000 0000000000000000000000111100000000000000000011111

>DM\_train2391 MSWIEPIISHFCQDLGVPTSSPLSPLIQLEMAQSGTLQLEQHGATLTLWLARSLAWHRCEDAMVKAL TLTAAQKSGALPLRAGWLGESQLVLFVSLDERSLTLPLLHQAFEQLLRLQQEVLAPP 100000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000011

>DM\_train2392 GHMSDLVTKFESLIISKYPVSFTKEQSAQAAQWESVLKSGQIQPHLDQLNLVLRDNTFIVSTLYPTSTD VHVFEVALPLIKDLVASSKDVKSTYTTYRHILRWIDYMQNLLEVSSTDKLEINHD 111000000000000000000011111111000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000011

>DM\_train2393 MGGSGTDIVLNDLPFVDGPPAEGQSRISWIKNGEEILGADTQYGSEGSMNRPTVSVLRNVEVLDKNI GILKTSLETANSDIKTIQEAGYIPEAPRDGQAYVRKDGEWVLLSTFLGSSGSGLVPR 111111000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000001111111111

>DM\_train2394 ALEGTEFARSEGASALASVNPLKTTVEEALSRGWSVKSGTGTEDATKKEVPLGVAADANKLGTIALKP DPADGTADITLTFTMGGAGPKNKGKIITLTRTAADGLWKCTSDQDEQFIPKGCSR 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000

>DM\_train2395 AITKINDCFELLSMVTYADKLKSLIKKEFSISFEEFAVLTYISENKEKEYYLKDIINHLNYKQPQVVKAVKILS QEDYFDKKRNEHDERTVLILVNAQQRKKIESLLSRVNKRITEANNEIEL 000000000000000000000000000000000000000000000000000000011111111110000000000 000000000000000000000000000000000001111111111111

>DM\_train2398 KACTRECGNLGFGICPRSEGSPLNPICINCCSGYKGCNYYNSFGKFICEGESDPKRPNACTFNCDPNIA YSRCPRSQGKSLIYPTGCTTCCTGYKGCYYFGKDGKFVCEGESDEPKANMYPVM 000000000000000000000000000000000000000000000000000000000000000000000000011 111111111100000000000000000000000000000001111111

>DM\_train2399 MPHLVIEATANLRLETSPGELLEQANAALFASGQFGEADIKSRFVTLEAYRQGTAAVERAYLHACLSIL DGRDAATRQALGESLCEVLAGAVAGGGEEGVQVSVEVREMERASYAKRVVARQR 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000011

>DM\_train2400 NALRRDPNLPVHIRGWLHKQDSSGLRLWKRRWFVLSGHCLFYYKDSREESVLGSVLLPSYNIRPDGP GAPRGRRFTFTAEHPGMRTYVLAADTLEDLRGWLRALGRASRAEGDDYGQPRSPAR 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000011111111111111

>DM\_train2401 GSHMVGQLSEGAIAAIMQKGDTNIKPILQVINIRPITTGNSPPRYRLLMSDGLNTLSSFMLATQLNPLV EEEQLSSNCVCQIHRFIVNTLKDGRRVVILMELEVLKSAEAVGVKIGNPVPYNE 111000000000000000000000000000000000011100000000000000000000000000000000000 000000000000000000000000000000000000000000000000

>DM\_train2402 GHMNSFVGLRVVAKWSSNGYFYSGKITRDVGAGKYKLLFDDGYECDVLGKDILLCDPIPLDTEVTALS EDEYFSAGVVKGHRKESGELYYSIEKEGQRKWYKRMAVILSLEQGNRLREQYGLG 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000

>DM\_train2403 GMGSLAEWYQRIPTPDDLTRVESLFANMQAQFPQLKLEFKWNQPMFTDHGTFIMGFNPSKKHLAV AIEPQTMTRFIPQIDKAGYDHSQIIRFPWHKPLDEQLIHDLIAYTIDQKKDATTFWQR 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000

>DM\_train2404 MSKLDLHQMTTQDLVALFAKVTVEQDDALLGNQISRFNRLFGVMAEIADELKARDGDQRTALLSLFE YPNMQVRLQAAKLTLAVAPVKAREQLEAIVSSKWFPQAGDAGMCLDLLDDGTFKPK 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000000

>DM\_train2405 MRNYIQGIDHVQVAAPVGCEEEARAFYGETIGMEEIPKPEELKKRGGCWFKCGNQEIHIGVEQNFNP AKRAHPAFYVLKIDEFKQELIKQGIEVIDDHARPDVIRFYVSDPFGNRIEFMENKN 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000001

>DM\_train2406 GDFAKEYADALYDSLGHSVLICDRDVYIAVSGSSKKDYLNKSISEMLERTMDQRSSVLESDAKSVQLV NGIDEDMNSYTVGPIVANGDPIGAVVIFSKDQTMGEVEHKAVETAAGFLARQMEQ 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000011111

>DM\_train2407 MGARRMNAFDIISGSPGFNLSGLFGDARKYDRVERFVSAWTAERVVERLEEIVSAENLTVAKKETWG MKIEGQKGNFAMVVEINQLTDELVMIEVRKRQRAAASGRDLWTDTLRPFFVELVHE 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000111000000000000000001

>DM\_train2408 GMPQHDKSRLVRIDTGPMINPVAGKPSRPIAGDASFRTVTAFEGGQGKVESGVWESTSGSFQSNTT GYIEYCHIIEGEARLVDPDGTVHAVKAGDAFIMPEGYTGRWEVDRHVKKIYFVTHLA 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000001

>DM\_train2409 PMFIVNTNVPRASVPDGFLSELTQQLAQATGKPPQYIAVHVVPDQLMAFGGSSEPCALCSLHSIGKIG GAQNRSYSKLLCGLLAERLRISPDRVYINYYDMNAANVGWNNSTFALEHHHHHH 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train2410 MEGSHHHHHHSQAQSKAQVLQSVAGQTLTVRCQYPPTGSLYEKKGWCKEASALVCIRLVTSSKPRT MAWTSRFTIWDDPDAGFFTVTMTDLREEDSGHYWCRIYRPSDNSVSKSVRFYLVVS 111111111111110000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000

>DM\_train2411 MVRGIRGAITVEEDTPEAIHQATRELLLKMLEANGIQSYEELAAVIFTVTEDLTSAFPAEAARQIGMHRV PLLSAREVPVPGSLPRVIRVLALWNTDTPQDRVRHVYLREAVRLRPDLESAQ 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000001111111

>DM\_train2412 EPYSLTAQQSSLIREDKSNAKLWNEVLASLKDRPASGSPFQLFLSKVEETFQCICCQELVFRPITTVCQH NVCKDCLDRSFRAQVFSCPACRYDLGRSYAMQVNQPLQTVLNQLFPGYGNGR 111000000000000000000000000001110000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000

>DM\_train2413 GADEEESTPCDNVETDQQTFACAAFNKQVAERELQSAYDELIERMRDQFGDEAGLMSRIEAAEKVW SQLRDADCKVETHAEQPGSNAYQIAWNSCIAQRSDERAEYLRSLGSQNSDEPAPED 111111111111111000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000111111111

>DM\_train2414 GMEPITQAFAQQFSREWIDAWNAHDLDAILSHYADGFEMSSPMIVQIAGEPSGRLRGKEQVGAYW REALRMIPDLHFEWIATLAGVDSVAIHYRGAKGRLALEVFHFGPDRRVVKALAHYAG 111000000000000000000000000000000000000000000000010000000000000000000000000 00000000000000000000000000000000000000000000000

>DM\_train2415 MKKKDTCEIFGYDEEKVNRIQGDLQTVDISGVSQILKAIADENRAKITYALCQDEELCVCDIANILGVTI ANASHHLRTLYKQGVVNFRKEGKLALYSLGDEHIRQIMMIALAHKKEVKVNV 111111111100000000000000000000000000000000000000000000000000000000000000000 00000011111111111111000000000000000000000001111

>DM\_train2416 APVLENRRARHDYEILETYEAGIALKGTEVKSLRAGKVDFTGSFARFEDGELYLENLYIAPYEKGSYANV DPRRKRKLLLHKHELRRLLGKVEQKGLTLVPLKIYFNERGYAKVLLGLARGK 110000000000000000000000000000000000000000000000000000000000011111111000000 00000000000000000000000000000000000000000000000

>DM\_train2417 MEKATKRNDEECEVQLNIKRNSKHSAWTGELFKIECPVKYCVHRPNVTWCKHNGTIWVPLEVGPQL YTSWEENRSVPVFVLHFKPIHLSDNGSYSCSTNFNSQVINSHSVTIHVRERSQNSS 111111111110000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000001111111

>DM\_train2418 ARAQLSEAMTLASGLKTKVSDIFSQDGSCPANTAATAGIEKDTDINGKYVAKVTTGGTAAASGGCTIV ATMKASDVATPLRGKTLTLTLGNADKGSYTWACTSNADNKYLPKTCQTATTTTP

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>DM\_train2419 MDIVFIEQLSVITTIGVYDWEQTIEQKLVFDIEMAWDNRKAAKSDDVADCLSYADIAETVVSHVEGAR FALVERVAEEVAELLLARFNSPWVRIKLSKPGAVARAANVGVIIERGNNLKENN 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000001111111

>DM\_train2420 SLRVEETEVFKKYFKNLTDRERAVFEGGITLGALFHQFVGTPVSKYNKESLERAIEEAMKNQPCVYDIKV KIRNVGEKYVSLDGKMLDVDLKIKINKTVAHLKLEYIPEIDYPLMYVKKFEE 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000001

>DM\_train2421 MSKTIVLSVGEATRTLTEIQSTADRQIFEEKVGPLVGRLRLTASLRQNGAKTAYRVNLKLDQADVVDSG LPKVRYTQVWSHDVTIVANSTEASRKSLYDLTKSLVATSQVEDLVVNLVPLGR 100000000000000000000000000000000000000000000000000000000000000000111100000 00000000000000000000000000000000000000000000000

>DM\_train2422 NGGVGVDVELITSINVENDTFIERNFTPQEIEYCSAQPSVQSSFAGTWSAKEAVFKSLGVKSLGGGAAL KDIEIVRVNKNAPAVELHGNAKKAAEEAGVTDVKVSISHDDLQAVAVAVSTKK 100000000000000000000000000000000000000000000000000000000011111111110000000 01111000000000000000000000000000000000000000001

>DM\_train2423 GMPTDDIVQLLKGQEEAWNRGDLDAYMQGYWQNEQLMLISNGKFRNGWDETLAAYKKNYPDKE SLGELKFTIKEIKMLSNYAAMVVGRWDLKRLKDTPTGVFTLLVEKIDDRWVITMDHSSD 100000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000000

>DM\_train2424 GMARKRLIIEMGMGIDQHGQEPTIAASRAVRNAIAHNALPGVWEVAGLSHPNEMIIEVQVAVPYPE QVREEEVLAVLPFGRKTLTVESGGMIVQGRAIPELNDKNDEMLIAIAAVTVLIENE 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000111

>DM\_train2425 QGQFFREIENLKEYFNASSPDVAKGGPLFSEILKNWKDESDKKIIQSQIVSFYFKLFENLKDNQVIQRSM DIIKQDMFQKFLNGSSEKLEDFKKLIQIPVDDLQIQRKAINELIKVMNDLS 000000000000000011111111000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000000

>DM\_train2426 GSHRTSGRVAVEEVDEEGKFVRLRNKSNEDQSMGNWQIKRQNGDDPLLTYRFPPKFTLKAGQVVTI WAAGAGATHSPPTDLVWKAQNTWGCGNSLRTALINSTGEEVAMRKLVRSVTVVED 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000011111111

>DM\_train2427 QGVQGSAHAINKAGSLRMQSYRLLAAVPLSEKDKPLIKEMEQTAFSAELTRAAERDGQLAQLQGLQ

DYWRNELIPALMRAQNRETVSADVSQFVAGLDQLVSGFDRTTEMRIETEHHHHHH 111100000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000001111111

>DM\_train2428 SVDMMDLPRSRINAGMLAQFIDKPVCFVGRLEKIHPTGKMFILSDGEGKNGTIELMEPLDEEISGIVEV VGRVTAKATILCTSYVQFKEDSHPFDLGLYNEAVKIIHDFPQFYPLGIVQHD 100000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000011111

>DM\_train2430 DKKAYFYHSSFQILNVEYTEALNSPATHEYRTLSERIEAMITDEFRGSSLKSEFIRTHVVKLRKEGTGVVA DVVMKFRSSKRNNRKVMKTRIQSVLRRLSSSGNLEIAPSNEITSLTDQDT 100000000000000000000000000000000000000000000000000000000000000000000000000 0000111100000000000000000000000000000000000001

>DM\_train2431 GMREDMKDNVVKDKSLEFAVRIVNLYKFLVNEQKEFVMSKQILRSGTSIGANIREAEQAQSRADFINK LNIALKEANETEYWLELLIRTEYITREQYESINNDSTEINKLLISIIKTTKNN 111111100000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000111111

>DM\_train2432 MRVAIPAEDDRGIKSNVSKHFGRSRYFVFVDIEGEDVKNVEVVEVPFEEHGPGDLPNFIKDHGAKIVLT YGIGRRAIEYFNSLGISVVTGVYGRISDVIKAFIGGKLKIDYDWKEKIEKEH 000000000000000000000000000000000000000000000001111100000000000000000000000 0000000000000000000000000000000000000000111111

>DM\_train2433 MNAPDRFELFLLGEGESKLKIDPDTKAPNAVVITFEKEDHTLGNLIRAELLNDRKVLFAAYKVEHPFFAR FKLRIQTTEGYDPKDALKNACNSIINKLGALKTNFETEWNLQTLAADDAF 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000111111

>DM\_train2435 NKPKNLDASITSIIHEIGVPAHIKGYLYLREAIAMVYHDIELLGSITKVLYPDIAKKYNTTASRVERAIRHAI EVAWSRGNLESISSLFGYTVSVSKAKPTNSEFIAMVADKLRLEHKAS 000000000000000000000000000000000000000000000000000000000000000000000000000 000000011111111111111000000000000000000001111

>DM\_train2436 MEGGKLQSTFVFEEIGRRLKDIGPEVVKKVNAVFEWHITKGGNIGAKWTIDLKSGSGKVYQGPAKGAA DTTIILSDEDFMEVVLGKLDPQKAFFSGRLKARGNIMLSQKLQMILKDYAKL 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000

>DM\_train2437 NPLASLTTDKNDLYINWLKSLSFFQTNSSCAEALVKVIPHYHNKLIDFSQVLQLVFSASEKFPIQENQPL PEQLMFLSNLEKQTPFAKAVGSSIYKLVTGKNLSLDFASQILKEASILEH 111111111110000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000001

>DM\_train2438

SSPGKPPRLVGGPMDASVEEEGVRRALDFAVGEYNKASNDMYHSRACQVVRARKQIVAGVNYFLD VELCRTTCTKTQPNLDNCPFHDQPHLKRKAFCSFQIYAVPWQGTMTLSKSTCQDA 111111111110000000000000000000000000000000000000000000000000000000000000000 001100000000000000000000000000000000000000000

>DM\_train2439 MKGMSKMPQFNLRWPGGGPQFNLRWPREVLDLVRKVAEENGRSVNSEIYQRVMESFKKEGRIGGT GGSGGGREVLDLVRKVAEENGRSVNSEIYQRVMESFKKEGRIGAHHHHHHKNQHE 111111000000000000000000000000000000000000000000000000000000000111110000000 000000000000000000000000000000001111111111111

>DM\_train2440 MVDIVKRRDWEKKEKKKIAIERIDTLFTLAERVARYSPDLAKRYVELALEIQKKAKVKIPRKWKRRYCKRC HTFLIPGVNARVRLRTKRMPHVVITCLECGYIMRYPYLREVKQKRKKAT 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000011111111111

>DM\_train2441 MQAYSNPGYSSFPSPTGLEPSCKSCGAHFANTARKQTCLDCKKNFCMTCSSQVGNGPRLCLLCQRF RATAFQREELMKMKVKDLRDYLSLHDISTEMCREKEELVLLVLGQQPVISQEDR 111111111111111111100000000000000000000000000000000011110000000000000000000 000000000000000000000000000000000000000111111

>DM\_train2442 MMRKLKTLPPTLRDKNRYIAFEIISDGDFTKDEVKELIWKSSLEVLGETGTAIVKPWLIKFDPNTKTGIVRS DREYVEYLRFALMLVSEFNGKRLIIRTLGVSGTIKRLKRKFLAKYGWK 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000000

>DM\_train2443 SNAMDTQTLNSDLRVFMHHIYEFEKGVRSMVLATLANDDIPYAEERLRSRQIPYFAQPTPNTERTNLF FGCKECMEAIRLFVSGRSLNSLTPEEDFIIGAMLGYDICRQCERYCRRKSNS 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000111

>DM\_train2444 GHMVRKSIDRSTAAEITRGIGNVFADLGMPDAEERQTKLRLAYALNAVIDRARLSQAAAAARLGINQ PKVSALRNYKLEGFSVERLMTLLNALDQDVEIVIRKKPRSRAAARISVVAAGS 111111111111111111111111111110000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000011

>DM\_train2445 WVAFDKQVLSFDAYLEEEVLDKSQTNYRIRYYKIYFYPEDDTIQVNEPEVKNSGLLQGTSIRRHRITLPP PDEDQFYTVYHFNVGTEVVFYGRTFKIYDCDAFTRNFLRKIGVKVNPPVQ 000000000000000000000000000000000000000000000000011111000000000000000000000 000000000000000000000000000000000000000000001

>DM\_train2448 GGPGNEKLKEKENNDSSDKATVIPNFNTTMQGSLLGDDSRDYYSFEVKEEGEVNIELDKKDEFGVTW TLHPESNINDRITYGQVDGNKVSNKVKLRPGKYYLLVYKYSGSGNYELRVNK 111111111111111111100000000000000000000000000000000000000000000000000000011 11000000000000000000000000000000000000000000

>DM\_train2449 MEEKVGNLKPNMESVNVTVRVLEASEARQIQTKNGVRTISEAIVGDETGRVKLTLWGKHAGSIKEGQ VVKIENAWTTAFKGQVQLNAGSKTKIAEASEDGFPESSQIPENTPTAPQQMR 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000011111

>DM\_train2450 EDPFGPGCEEAGCPEGSACNIITDRCTCSGVRCRVHCPHGFQRSRYGCEFCKCRLEPMKATCDISECP EGMMCSRLTNKCDCKIDINCRKTCPNGLKRDKLGCEYCECRPKRKLIPRLS 111111000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000111111111

>DM\_train2452 SKQPDKQRKSQRRAPLHERHKQVRATLSADLREEYGQRNVRVNAGDTVEVLRGDFAGEEGEVINVD LDKAVIHVEDVTLEKTDGEEVPRPLDTSNVRVTDLDLEDEKREARLESEDDSA 000000000000000000000000000000000000111000000000000000000000000000000000000 00000000000000000000000000000000000000111111

>DM\_train2453 APLAVNDGDMRLADGGATNQGRVEIFYRGQWGTVCDNLWDLTDASVVCRALGFENATQALGRA AFGQGSGPIMLDEVQCTGTEASLADCKSLGWLKSNCRHERDAGVVCTNETRSTHTL 111000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000111100

>DM\_train2454 RDVVSFEQPEFSVSRGDQVARIPVIRRVLDGGKSQVSYRTQDGTAQGNRDYIPVEGELLFQPGEAWK ELQVKLLELQEVDSLLRGRQVRRFHVQLSNPKFGAHLGQPHSTTIIIRDPDE 000000000000000000000000000000000000000000000000000000000000000000000000000 01111111110000000000000000000000000000000011

>DM\_train2455 PMNIKGLFEVAVKVKNLEKSSQFYTEILGFEAGLLDSARRWNFLWVSGRAGMVVLQEEKENWQQQH FSFRVEKSEIEPLKKALESKGVSVHGPVNQEWMQAVSLYFADPNGHALEFTAL 111000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000

>DM\_train2456 MTDYDKLSNLATTFEFPDLTVEIKGPDVVGVNKLAEYEVHVKNLGGIGVPSTKVRVYINGTLYKNWTV SLGPKEEKVLTFNWTPTQEGMYRINATVDEENTVVELNENNNVATFDVSVV 111111111110000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000

>DM\_train2457 MADRIELRGLTVHGRHGVYDHERVAGQRFVIDVTVWIDLAEAANSDDLADTYDYVRLASRAAEIVAG PPRKLIETVGAEIADHVMDDQRVHAVEVAVHKPQAPIPQTFDDVAVVIRRSR 100000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000000

>DM\_train2458 LRIPNIATYTGTIQGKGEVCIIGNKEGKTRGGELYAVLHSTNVNADMTLILLRNVGGNGWGEIKRNDID KPLKYEDYYTSGLSWIWKIKNNSSETSNYSLDATVHDDKEDSDVLTKCPV 110000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train2459 MRRVEKVIIVEGRSDKQKVAAVLNEPVVIVCTNGTISDARLEELADELEGYDVYLLADADEAGEKLRRQ FRRMFPEAEHLYIDRAYREVAAAPIWHLAQVLLRARFDVRIESLMRGRGE 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000011111

>DM\_train2460 QGHMAVRRVVANIATPEPARAQAFYGDILGMPVAMDHGWIVTHASPLEAHAQVSFAREGGSGTD VPDLSIEVDNFDEVHARILKAGLPIEYGPVTEAWGVQRLFLRDPFGKLINILSHA 111100000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000011

>DM\_train2461 SMSDVTIVKEGWVQKRGEYIKNWRPRYFLLKTDGSFIGYKEKPQDVDLPYPLNNFSVAKCQLMKTER PKPNTFIIRCLQWTTVIERTFHVDTPEEREEWTEAIQAVADRLQRQEEERMN 111100000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000001111

>DM\_train2462 MDVFLMIRRHKTTIFTDAKESSTVFELKRIVEGILKRPPDEQRLYKDDQLLDDGKTLGECGFTSQTARPQ APATVGLAFRADDTFEALCIEPFSSPPELPDVMKPQDSGSSANEQAVQ 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000011111111111111111111

>DM\_train2463 MSLLNKPKSEMTPEELQKREEEEFNTGPLSVLTQSVKNNTQVLINCRNNKKLLGRVKAFDRHCNMVL ENVKEMWTEVPKSGKGKKKSKPVNKDRYISKMFLRGDSVIVVLRNPLIAGK 111111111111111111111111100000000000000000000000000000000000000000000000011 1111111111111111100000000000000000000000000

>DM\_train2464 MRHLKSGRKLNRHSSHRLALYRNQAKSLLTHGRITTTVPKAKELRGFVDHLIHLAKRGDLHARRLVLR DLQDVKLVRKLFDEIAPRYRDRQGGYTRVLKLAERRRGDGAPLALVELVE 111111111111100000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000000

>DM\_train2465 MTKEPRNLSEWIKELKKASREAVILVEGKNDKKALSKFSIKNVIDLSGKRYADVVDMLEGKWEKVILLFD LDTHGERINQKMKELLSSQGFLVDENFRNFLKKWNIIHIEEINGGKNS 111100000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000111111

>DM\_train2466 MPTRVNDGVDADEVTFVNRFTVHGAPAEFESVFARTAAFFARQPGFVRHTLLRERDKDNSYVNIAV WTDHDAFRRALAQPGFLPHATALRALSTSEHGLFTARQTLPEGGDTTGSGHR 111111111100000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000011111111111

>DM\_train2467 EGSCMSITINPSRPSVNNIGQVDIDSVILGRPGAIGSWELNNFITIGLNRVNADTVRVNIRNTGRTNRLI ITQWDNTVTRGDVYELFGDYALIQGRGSFCLNIRSDTGRENWRMQLEN

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>DM\_train2468 MEAVVVEREAKGMKEIAIQEKDLTLQWRGNTGKLVKVRLKNTRAMEMWYNKQITEENIQEITTLNIIK NGKSLALEVYPEKSIYVKPNLGRINVPVFFIKTPINRGVFEEIFGETLKA 111111111110000000000000000000000000000000000000000000000000000000000000000 0000000000001110000000000000000000000011111

>DM\_train2469 MRGSGSSTVDELTAAFTGGAATGEGGLTLTAPEIAENGNTVPIEVKAPGAVAIMLLAAGNPEPAVATF NFGPAAADQRAATRIRLAQTQDVIALAKMADGSVVKAQTTVKVTIGGCGG 111111000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000011

>DM\_train2471 MAFQLEMVTRETVVIRLFGELDHHAVEQIRAKISTAIFQGAVTTIIWNFERLSFMDSSGVGLVLGRMRE LEAVAGRTILLNPSPTMRKVFQFSGLGPWMMDATEEEAIDRVRGIVNG 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000001110000000000000000000111

>DM\_train2472 LMGDDKVKKEVGRASWKYFHTLLARFPDEPTPEEREKLHTFIGLYAELYPCGECSYHFVKLIEKYPVQTS SRTAAAMWGCHIHNKVNEYLKKDIYDCATILEDYDCGCSDSDGKRVS 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000111111111

>DM\_train2473 MSLSPPGVRLFYDPRGHHAGAINELCWGLEEQGVPCQTITYDGGGDAAALGALAARSSPLRVGIGLS ASGEIALTHAQLPADAPLATGHVTDSDDQLRTLGANAGQLVKVLPLSERN 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000

>DM\_train2474 MSAMNARQGILSLALKDKPALYSAYMPFVKGGGIFVPTPKRYMLGDEVFLLLTLPDSSERLPVAGKVI WTTPAGAQGNRAAGIGVQFPDGPEGEAVRNKIETLLAGLTTSDKPTHTM 111111110000000000000000000000000000000000000000000000000000000000000000011 111100000000000000000000000000111111111111

>DM\_train2475 MNSDPTRERILHGLITLYILKELVKRPMHGYELQKSMFETTGQALPQGSIYILLKTMKERGFVISESSVNE KGQQLTVYHITDAGKKFLCDHSQALQLARKIIDDLLSTVDIIENRN 111111100000000000000000000000000000000000000010000000000000000000000000000 000000000000000000000000000000000000111111

>DM\_train2476 HCDLPCGVYDPAQARIEAESVKAVQEKMAGNDDPHFQTRATVIKEQRAELAKHHVSVLWSDYFKPP HFEKYPELHQLVNDTLKAMSAAKGSKDPATGQKALDYIAQIDKIFWETKKA 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000011

>DM\_train2477 GSSEEESFFVQVHDVSPEQPRTVIKAPRVSTAQDVIQQTLCKAKYSLSILSNPNPSDYVLLEEVVKDTT

NKKTTTPKSSQRVLLDQECVFQAQSKWKGAGKFILKLKEQVQASREDK 111100000000000000000000000000000000000000000000000000000000000011111111111 111000000000000111111111100000000011111111

>DM\_train2478 MDRTHERVLQAMAENLGEGLPRAIPLLAEKAPGLLLEHGRSWTYAMPEKGALDEKTRTLILLGIALATG SEACVKAMAHRAKRLGLSKEALLETLKIARQAQANAVLGHAAPLLEVL 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000

>DM\_train2479 SNAMSANDKLTILWTTDNKDTVFNMLAMYALNSKNRGWWKHINIILWGASVKLVANDTQVQTEIL EMLQSGITIEACQDCCENFGVASIITNLGITVRYMGIPLTEYLKNGEKILSI 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000000

>DM\_train2480 QGHMVSAEGRNRKAVLCQRCGSRVLQPGTALFSRRQLFLPSMRKKPALSDGSNPDGDLLQEHWLV EDMFIFENVGFTKDVGNIKFLVCADCEIGPIGWHCLDDKNSFYVALERVSHE 000000000000000000000000000000000000000000001111111111000000000000000000000 000000000000000000000000000000000000000000

>DM\_train2481 MAVNFYDVAYDLENALRGSEEFTRLKNLYDEVNADESAKRMFENFRDVQLRLQQKQMAGEEITQEE VTQAQKTVALVQQHEKISQLMEAEQRMSMLIGELNKIIMKPLEELYGSVEG 110000000000000000000000000000000000000000000000001111111111111111110000000 000000000000000000000000000000000000011111

>DM\_train2482 MPKNKGKGGKNRRRGKNDSEGDKRELVFKEEGQEYGQVQRMLGNGRLDAYCFDGQKRLCHIRGK MRKKVWVNPGDIVLVSLRDFQDSKGDIILKYTPDEARALKSKGEIPETTKINE 111111111111111111111000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000011

>DM\_train2483 MQNIPPQVQAMLGQLESYQQQLQLVVQQKQKVQLELTEAKKALDEIESLPDDAVVYKTVGTLIVKTT KDKAVAELKEKIETLEVRLNALERQEKKLNEKLKELTAQIQSALRPPTAG 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000111

>DM\_train2484 SLTFYPAWLTVSEGANATFTCSLSNWSEDLMLNWNRLSPSNQTEKQAAFSNGLSQPVQDARFQIIQ LPNRHDFHMNILDTRRNDSGIYLCGAISLHPKLKIEESPGAELVVTERILE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000011111

>DM\_train2485 ARINGPDECGRVIKDTSGSISNTDRQKNLCTWTILMKPDQKVRMAIPYLNLACGKEYVEVFDGLLSGP SYGKLCAGAAIVFLSTANTMTIKYNRISGNSSSPFLIYFYGSSPGSEY 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000001111

>DM\_train2487

MATQRAHRAETPAHPNRLWIWEKHVYLDEFRRSWLPVVIKSNEKFQVILRQEDVTLGEAMSPSQLVP YELPLMWQLYPKDRYRSADSMYWQILYHIKFRDVEDMLLELIDSESNDE 111111100000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000011111111

>DM\_train2488 MSEAKELIKKMCDLQNSNEEIQKEMAGWSGVVQYKLDGEEFYVEYKSDGTCEFKEGVHSSPTFTVVA PPDFWLAVLKGQEDPVSGFMMGKYRIEGNIMEAQRLAGVIKKFQGKFEL 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000111111

>DM\_train2489 NNTPVTNKLKAYGDANFNFTNNSIADAEKQVQEAYKGLLNLNEKNASDKLLVEDNTAATVGNLRKL GWVLSSKNGTRNEKSQQVKHADEVLFEGKGGVQVTSTSENGKHTITFALA 110000000000000000000000000000000000000000000011100000000000000000000000000 00000000000000000000000000000000000000001

>DM\_train2490 MAEIPKEMLRAQTNVILLNVLKQGDNYVYGIIKQVKEASNGEMELNEATLYTIFKRLEKDGIISSYWGD ESQGGRRKYYRLTEIGHENMRLAFESWSRVDKIIENLEANKKSEAIK 111100000000000000000000000000000000000000000000000000000000000000000111100 00000000000000000000000000000000001111111

>DM\_train2491 MNDKKIELLTTYLSLYIDHHTVLADMQNATGKYVVLDVRNAPAQVKKDQIKGAIAMPAKDLATRIGE LDPAKTYVVYDWTGGTTLGKTALLVLLSAGFEAYELAGALEGWKGMQLP 100000000000000000000000000000000000000011111111000000000000000000000000000 00000000000000000000000000000111111111111

>DM\_train2492 MGSDKIHHHHHHMFYEIRTYRLKNGAIPAYLKVVEDEGIEIQKSHLGELVGYFFSEIGPINEIVHIWAFSS LDDRAERRARLMADPRWLSFLPKIRDLIEVAENKIMKPARFSPLM 111111000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000

>DM\_train2493 GHMLYINSFLDRMGEIIRGEKSVEEADKLLDQKNIFEMFRSDCEEILNLYKSGKAEKEEVQRNFYLLKTY VVSQLSIHFERLKEFAESKGFKIEKKLDPEVINEIALYIDRVEKEV 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000011100000000000000000000000

>DM\_train2494 GSPGIRMSLKSDEVFAKIAKRLESIDPANRQVEHVYKFRITQGGKVVKNWVMDLKNVKLVESDDAAE ATLTMEDDIMFAIGTGALPAKEAMAQDKMEVDGQVELIFLLEPFIASLK 111000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000

>DM\_train2495 GMQQSEHFSFGEQTEIEDIGGGLKRQMLGFNHELMAVKIWFDKGAEGYVHAHRHSQVSYVVEGEF HVNVDGVIKVLTAGDSFFVPPHVDHGAVCPTGGILIDTFSPAREDFVEGLS 100000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000001111

>DM\_train2496 MVERLLEIIERSLRKCPWLEKQSIETLLEALASEIEEVAEAVKKNDLANLEEEIGDMIYDALLVAAVAQRD YGIDLESAIQKVVEKISHRKPWLFWEEKISLEEAEKIWKERKKKI 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000011

>DM\_train2497 MERQPTTDRMIQEYVPGKQVTLAHLIANPGKDLFKKLGLQDAVSAIGILTITPSEASIIACDIATKSGAV EIGFLDRFTGAVVLTGDVSAVEYALKQVTRTLGEMMQFTTCSITRT 111111000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000000

>DM\_train2498 MDAENRVIINVGGIRHETYKATLKKIPATRLSRLTEGMLNYDPVLNEYFFDRHPGVFAQIINYYRSGKLH YPTDVCGPLFEEELEFWGLDSNQVEPCCWMTYTAHRDTQETLAVL 111000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000111111111

>DM\_train2499 QSIYIELKNTGSLNQVFSSTQNSSIVIKFGAVWCKPCNKIKEYFKNQLNYYYVTLVDIDVDIHPKLNDQ HNIKALPTFEFYFNLNNEWVLVHTVEGANQNDIEKAFQKYCLEKAK 000000000000000000010000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000011

>DM\_train2500 RTLPGEGTQVHPRAPLLQILKVAGAQEEVFTVKEVMHYLGQYIMMKQLYDKQRQHIVHCHDDPLGE LLEVGSFSVKNPSPLYEMLKRNLVILNNSDAAKNLSVGKDSNESPSEDP 111111100000000000000000000000000000000000000000000000000000000000000000000 0000000000000000011111111111111111111111

>DM\_train2501 NVCQPTRFISRHNIEGIFTFVDHRCVATVGYQPQELLGKNIVEFCHPEDQQLLRDSFQQVVKLKGQVL SVMFRFRSKNQEWLWMRTSSFTFQNPYSDEIEYIICTNTNVKNSSQE 100000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000111

>DM\_train2502 MVTKTITEQRAEVRIFAGNDPAHTATGSSGISSPTPALTPLMLDEATGKLVVWDGQKAGSAVGILVLP LEGTETALTYYKSGTFATEAIHWPESVDEHKKANAFAGSALSHAALP 111111111111000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000

>DM\_train2503 SNAMSYINNIEHAKVLDLTQEVMIEQDQMLSRTLVQRQDLGITVFSLDKGQEIGRHSSPGDAMVTILS GLAEITIDQETYRVAEGQTIVMPAGIPHALYAVEAFQMLLVVVKPEA 100000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000

>DM\_train2505 PKTQRGIYHNLKESEYVASNTDVTFFFSSELYLNKFLDGYQEYRKKFNKKIERVAVTPWNMDMLADITF YSEVEKRGFHAWLKGDNATWREVHVYALRIMTKPNTLDWSRIQKPR 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train2506 MTLIYKILSRAEWDAAKAQGRFEGSAVDLADGFIHLSAGEQAQETAAKWFRGQANLVLLAVEAEPLG EDLKWEASRGGARFPHLYRPLLVSEVTREADLDLDADGVPQLGDHLAL 100000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000000

>DM\_train2507 MKYKLNVLLAEIALIGTGNHYHEEANCIAEWLHLKGEEEAVQLIRLSSLMNRGDYASALQQGNKLAYP DLEPWLALCEYRLGLGSALESRLNRLARSQDPRIQTFVNGMREQLKT 110000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000001

>DM\_train2508 ETGSKGQTAGELYQRWERYRRECQETLAAAEPPSGLACNGSFDMYVCWDYAAPNATARASCPWYL PWHHHVAAGFVLRQCGSDGQWGLWRDHTQCENPEKNEAFLDQRLILERLQ 111110000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000001111111111111111

>DM\_train2509 MATATTIRRKLRTRRKVRTTTAASGRLRLSVYRSSKHIYAQIIDDSRGQTLAAASSAALKSGNKTDTAA AVGKALAAAAAEKGIKQVVFDRGSYKYHGRVKALADAAREGGLDF 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000

>DM\_train2510 GMKTQITTRDLVLEFIHALNTENFPAAKKRLNENFTFNGPMGHREGSERYMNDMEKMKFKYVVHKM FEEGNDVCLIYDINMNGKTIAASGLYHLEKGEITSLHVYFDPRPLFEE 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000001

>DM\_train2511 MNNKHATSAVHEIIREICRLVDSGHSMTRDQFHELSEQERFIAFLAEKYSSTIKLYYLADSSPLFEKDTSS FIENAFGRHANTVVMEDFGLKSNALLLAINICLAILREINGEV 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000000111

>DM\_train2512 HKGTLYVVATPLGNLDDMTFRAVNTLRNAGAIACEDTRRTSILLKHFGIEGKRLVSYHSFNEERAVRQ VIELLEEGSDVALVTDAGTPAISDPGYTMASAAHAAGLPVVPVPGA 000000000000000000000000000000000000000000000000000000000010000000000000000 000000000111111111000000000000000000011

>DM\_train2513 SNAMGYMFIETKTFTVKEGTSNIVVERFTGEGIIEKFEGFIDLSVLVKKVRRGDEEVVVMIRWESEEAWK NWETSEEHLAGHRAGRGKPKPDHIINVDHAVYYVKSSKAAYQQS 111100000000000000000000000000000000000000000000000000000000000000000000000 000000111111111000000000000000000001111

>DM\_train2514 MGSSSSGLVPAGSHMRLTPHEQERLLLSYAAELARRRRARGLRLNHPEAIAVIADHILEGARDGRTVA ELMASGREVLGRDDVMEGVPEMLAEVQVEATFPDGTKLVTVHQPIA

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>DM\_train2515 GMIRLLYLLVKPAGMSDETFRAECLRHYEMSHDVPGLHKYEVRLVAEQPTDTHVPFFDIGHVDAIGEC WFKDDAAYATYMASDIRKAWFEHGKTFIGQLKPFRTAPVAGDEPAS 000000000000000000000000000000000000000000000000011111111111000000000000000 000000000000000000000000000000000111111

>DM\_train2516 MKNLSFPLLFLFFLVPELLGSSMPLCPIDEAIDKKIKQDFNSLFPNAIKNIGLNCWTVSSRGKLASCPEGT AVLSCSCGSACGSWDIREEKVCHCQCARIDWTAARCCKLQVAS 111111111111111111111111100000000000000000000000000000000000000000000000000 000000000000000000000000000000000000000

>DM\_train2517 NWVNVISDLKKIEDLIQSMHIDATLYTESDVHPSCKVTAMKCFLLELQVISLESGDASIHDTVENLIILAN NSLSSNGNVTESGCKECEELEEKNIKEFLQSFVHIVQMFINTS 000000000000000000000000000000000000000000000000000000000000000000000000000 111110000000000000000000000000000000000

>DM\_train2518 GAMDPEFTLSSEKKAKKVRFYRNGDRYFKGIVYAISPDRFRSFEALLADLTRTLSDNVNLPQGVRTIYTI DGLKKISSLDQLVEGESYVCGSIEPFKKLEYTKNVNPNWSVNV 111111111111000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000

>DM\_train2519 DAPSALYAPSALVLTVGKGVSATTAAPERAVTLTCAPGPSGTHPAAGSACADLAAVGGDLNALTRGE DVMCPMVYDPVLLTVDGVWQGKRVSYERVFSNECEMNAHGSSVFAF 111110000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000

>DM\_train2520 TCKMSQLERNIETIINTFHQYSVKLGHPDTLNQGEFKELVRKDLQNFLKKENKNEKVIEHIMEDLDTNA DKQLSFEEFIMLMARLTWASHEKMHEGDEGPGHHHKPGLGEGTP 111000000000000000000000000000000000000000000000000000000000000000000000000 00000000001111111111111111111111111111

>DM\_train2521 MVDLEQEFALGGRCLAFHGPLMYEAKILKIWDPSSKMYTSIPNDKPGGSSQATKEIKPQKLGEDESIPE EIINGKCFFIHYQGWKSSWDEWVGYDRIRAYNEENIAMKKRLAN 111111000000000000000000000000000000000000011111111110000000000000000000000 00000000000000000000000000000000000000

>DM\_train2522 ATAFVPALVASGLPNEKFCFEGFLPQKKGRMTKLKSLVDEHRTMVFYESPHRLLKTLTQFAEYFGPERQ VSVSREISKIHEETVRGTLSELIEHFTATDPRGEIVIVLAGIDD 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000011

>DM\_train2523 NSPQEEVELKKLKHLEKSVEKIADQLEELNKELTGIQQGFLPKDLQAEALCKLDRRVKATIEQFMKILEEI

DTLILPENFKDSRLKRKGLVKKVQAFLAECDTVEQNICQETE 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000111

>DM\_train2524 NGLITKIWGTAGWTFNHAVTFGYPLNPTSDDKRRYKNYFISLGDVLPCRLCRESYKKFITTGKTALTNE VLRNRHTLTKWFYDVHNAVNNKLEVDYGLSYEDVVNKYESFRAK 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000001

>DM\_train2525 MSLILVYSTFPNEEKALEIGRKLLEKRLIACFNAFEIRSGYWWKGEIVQDKEWAAIFKTTEEKEKELYEELR KLHPYETPAIFTLKVENVLTEYMNWLRESVLEGGSHHHHHH 100000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000011111111111

>DM\_train2526 GSHMGQNDLVKTLRMNYLFDFYQSLLTNKQRNYLELFYLEDYSLSEIADTFNVSRQAVYDNIRRTGDL VEDYEKKLELYQKFEQRREIYDEMKQHLSNPEQIQRYIQQLEDLE 111111100000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000

>DM\_train2527 LETPGQYLVYNGDLVEYEADHMAQLQRVHGFLMNDCLLVATWLPQRRGMYRYNALYPLDRLAVV NVKDNPPMKDMFKLLMFPESRIFQAENAKIKREWLEVLEETKRALSDKR 111100000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000000

>DM\_train2528 MNKPLTPSTYIRNLNVGILRKLSDFIDPQEGWKKLAVAIKKPSGDDRYNQFHIRRFEALLQTGLSPTCEL LFDWGTTNCTVGDLVDLLVQIELFAPATLLLPDAVPQTVKSLP 110000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000111111

>DM\_train2529 MQYATLELNNAFKVLFSLRQVQAAEMVIAPGDREGGPDNRHRGADQWLFVVDGAGEAIVDGHTQ ALQAGSLIAIERGQAHEIRNTGDTPLKTVNFYHPPAYDAQGEPLPAGEG 100000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000011

>DM\_train2530 GMARRDISGAVDFAYLEGFAAGDFAVVDEVLALFREQAALWAPMLDPTHPGWKDAVHTVKGAAR GVGAFNLGEVCERCEAGQESLEGVRTALDAALLDIAAYAHEQALRSLKG 111111110000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000001

>DM\_train2531 ATVSVFPGARLLTIGDANGEIQRHAEQQALRLEVRAGPDAAGIALYSHEDVCVFKCSVSRETECSRVG RQSFIITLGCNSVLIQFATPHDFCSFYNILKTCRGHTLERSVFSE 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000011111111111

>DM\_train2532

EDKYTDKYDNINLDEILANKRLLVAYVNCVMERGKCSPEGKELKEHLQDAIENGCKKCTENQEKGAYR VIEHLIKNEIEIWRELTAKYDPTGNWRKKYEDRAKAAGIVIPEE 111111111000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000111

>DM\_train2533 MDGEEKTYGGCEGPDAMYVKLISSDGHEFIVKREHALTSGTIKAMLSGPGQFAENETNEVNFREIPSH VLSKVCMYFTYKVRYTNSSTEIPEFPIAPEIALELLMAANFLDC 111111111111111100000000000000000000000000000000011111111000000000000000000 0000000000000000000000000000000000000

>DM\_train2534 MHFSIPETESRSGDSGGSAYVAYNIHVNGVLHCRVRYSQLLGLHEQLRKEYGANVLPAFPPKKLFSLTP AEVEQRREQLEKYMQAVRQDPLLGSSETFNSFLRRAQQETQQV 100000000000111110000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000011

>DM\_train2535 WSATNEEDDLSVEAEIAHQIAESFSKKYKFPSRSSGIFLYNFEQLKMNLDDIVKEAKNVPGVTRLAHDG SKIPLRCVLGWVALANSKKFQLLVEADKLSKIMQDDLNRYTSC 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000001

>DM\_train2536 LKSESAEKTREVLWQQYYASNPPDHAVLEVLATPVREALLARFGQHQGSVVPAIDLPELRSVLQQFDS FGKRWEAILLQVLEGIKPNESQVGLPYLSELINKELMILLPSNS 111100000000000000000000000000000000000000000000000000000000000000000000000 0000000001111111100000000000000001111

>DM\_train2537 MLQQNNIVYFDLDKYDIRSDFAQMLDAHANFLRSNPSYKVTVEGHADERGTPEYNISLGERRANAV KMYLQGKGVSADQISIVSYGKEKPAVLGHDEAAYSKNRRAVLVYLE 111100000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000001

>DM\_train2538 MNKTKSEHIKQQALDLFTRLQFLLQKHDTIEPYQYVLDILETGISKTKHNQQTPERQARVVYNKIASQA LVDKLHFTAEENKVLAAINELAHSQKGWGEFNMLDTTNTWPSQ 111111000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000001111111111111111111

>DM\_train2539 GMDKLVKYQELVKKLLTNYASDDVSDQDVEVQLILDTERNHYQWMNVGWQGLNRIYRCVIHFDIK DGKIWLQQNLTDRNPAEELVMMGVPREDIVLGLQAPYKRQYTDYGVA 111000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000000

>DM\_train2540 MDTSLPSAILNNMVTATLILDDGLAIRYANPAAELLFSQSAKRIVEQSLSQLIQHASLDLALLTQPLQSG QSITDSDVTFVVDGRPLMLEVTVSPITWQRQLMLLVEMRKID 110000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000001

>DM\_train2541 MAVRIRLAKFGRKHHPIYRIVVMDAKSPREGKYIDILGTYDPKRKVLINVYPEKVKEWVLKGVELSHRAK AILWNHGILKEVVPEGYEMKRVGDYYVFEKRESKKSKGGEAA 100000000000000000000000011111100000000000000000000000000000000000000000000 0000000000000000000000000001111111111

>DM\_train2542 MGKATTEEQKLIEDVNASFRAAMATTANVPPADKYKTFEAAFTVSSKRNLADAVSKAPQLVPKLDEV YNAAYNAADHAAPEDKYEAFVLHFSEALRIIAGTPEVHAVKPGA 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000001111

>DM\_train2543 ATDAASLVGELQALDAEYQNLANQEEARFNEERAQADAARQALAQNEQVYNELSQRAQRLQAEA NTRFYKSQYQEAASKYEDALKKLEAEMEQQKAVISDFEKIQALRAGN 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000011

>DM\_train2544 MAHHHHHHVDDDDKMSLLDAHIPQLIASHTAFAAKAGLMRHTIGQAEQQAMSAQAFHQGESAA AFQGAHARFVAAAAKVNTLLDIAQANLGEAAGTYVAADAAAASSYTGF 111111111111111111111111111111000000000000000000000000000000000000000000000 000000000000000111111111111111111111

>DM\_train2545 MDGASEIELVFRPHPTLMEKDDSAQTRYIKTSGNATVDHLSKYLAVRLALEELRSKGESNQMNLDTAS EKQYTIYIATASGQFTVLNGSFSLELVSEKYWKVNKPMELYYA 111100000000000000001110000000000000000000000000000001111111111110000000000 000000000000000000000000000000000000

>DM\_train2546 MKMQTYYYVLASRRFLLQEEPIEEVLKERTRHYHEQEKEIDFWLVPQPAFLEAPEFADIKAKCPQPAAA IISTNSQFITWLKLRLEYVVTGEFSAPSETIPNPLASLATAS 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000111

>DM\_train2547 MDFREVIEQRYHQLLSRYIAELTKTSLYQAQKFSRKTIEHQIPPEEIISIHRKVLKELYPSLPEDVFHSLDFLI EVMIGYGMAYQEHQTLRGIQQEIKSEIEIAANVQQTL 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000011111111111111111111111111

>DM\_train2548 SNAMATGGLAIIQSMKHKLPPSERKLADYILAHPHKAIESTVNEISALANSSDAAVIRLCKSLGLKGFQD LKMRVAGDLAKPTFQGYRDIVPHEPLPSISEKTAGNAIQAI 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000001111111111111111111111111

>DM\_train2549 GQDCPDSSEEVVGVSGKPVQLRPSNIQTKDVSVQWKKTEQGSHRKIEILNWYNDGPSWSNVSFSDI YGFDYGDFALSIKSAKLQDSGHYLLEITNTGGKVCNKNFQLLILD 110000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train2550 SFEKICSLDDIWVGEMETFETSDGTEVLIVNSEEHGVKAYQAMCPHQEILLSEGSYEGGVITCRAHLWT FNDGTGHGINPDDAALAEYPVEVKGDDIYVSTKGILPNKAHS 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000011

>DM\_train2551 GSSGSSGPGSLSGTEQAEMKMAVISEHLGLSWAELARELQFSVEDINRIRVENPNSLLEQSVALLNLW VIREGQNANMENLYTALQSIDRGEIVNMLEGSGRQSRNLKPDR 111111111000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000001111111111111

>DM\_train2552 MSIAVGMIETLGFPAVVEAADSMVKAARVTLVGYEKIGSGRVTVIVRGDVSEVQASVTAGIENIRRVN GGEVLSNHIIARPHENLEYVLPIRYTEAVEQFREIVNPSIIRR 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000111111111111111111

>DM\_train2553 MSMEDPFFVVKGEVQKAVNTAQGLFQRWTELLQGPSAATREEIDWTTNELRNNLRSIEWDLEDLDE TISIVEANPRKFNLDATELSIRKAFITSTRQIVRDMKDQMSASS 000000000000000000000000000000000000000000000000000000000000000000000000001 11100000000000000000000000000000000

>DM\_train2554 MERGEIWLVSLDPTAGHEQQGTRPVLIVTPAAFNRVTRLPVVVPVTSGGNFARTAGFAVSLDGVGIR TTGVVRCDQPRTIDMKARGGKRLERVPETIMNEVLGRLSTILT 000000000000000000000000000000000000000000000001111100000000000000000000000 00000000000000000000000000000000000

>DM\_train2555 AEFKHVFVCVQDRPPGHPQGSCAQRGSREVFQAFMEKIQTDPQLFMTTVITPTGCMNACMMGPV VVVYPDGVWYGQVKPEDVDEIVEKHLKGGEPVERLVISKGKPPGMF 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000001111111

>DM\_train2556 CILRFIACNGQTRAVQSRGDYQKTLAIALKKFSLEDASKFIVCVSQSSRIKLITEEEFKQICFNSSSPERDR LIIVPKEKPCPSFEDLRRSWEIELAQPAALSSQSSLSP 000000000000000000000000000000000000000000000000000000001111111111111000000 00000000000000000000111111111111111

>DM\_train2557 MSENANDIVTLRAQGGSDAPSDQPLNQVITNSTRQFNIELIRVQPRGEMMQVWIQPLPFSQLVSWI AYLQERQGVSVDAIDIDRGKVNGVVEVKRLQLKRGGLEHHHHHH 111111111111111111111100000000000000000000000000000000000000000000000000000 00000000001111000000000001111111111

>DM\_train2558 GGGGGGMLNRVFLEGEIESSCWSVKKTGFLVTIKQMRFFGERLFTDYYVIYANGQLAYELEKHTKKYKT ISIEGILRTYLERKSEIWKTTIEIVKIFNPKNEIVIDYKEI

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>DM\_train2559 GMAEPKFTSFTTADFINDVDMELFIDAVEKTAPVWVKEMKSRGLLKFSMNRVWNKGEVFRVVMTYE YKDRASFEANIAYLEDTFGKNPVFLQLVTTAKFTTSRCLVVMEV 111000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000000

>DM\_train2560 AGRPAVSASSRWLEGIRKWYYNAAGFNKYGLMRDDTIYENDDVKEAIRRLPENLYDDRMFRIKRALD LNMRQQILPKEQWTKYEEDVPYLEPYLKEVIRERKEREEWDK 111111111000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000

>DM\_train2561 SHGSHETDEEFDARWVTYFNKPDIDAWELRKGMNTLVGYDLVPEPKIIDAALRACRRLNDFASAVRIL EVVKDKAGPHKEIYPYVIQELRPTLNELGISTPEELGLDKV 111100000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000

>DM\_train2562 GSHMTTKKASDSAFWLEVEGNSMTAPTGSKPSFPDGMLILVDPEQAVEPGDFCIARLGGDEFTFKKLI RDSGQVFLQPLNPQYPMIPCNESCSVVGKVIASQWPEETFG 111111110000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000

>DM\_train2563 DLHEILHEAVPLDANEREILELKEDAFAQRRREIETRLRAANGKLADAIAKNPAWSPEVEAATQEVERA AGDLQRATLVHVFEMRAGLKPEHRPAYDRVLIDALRRGSQ 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000111

>DM\_train2564 MKTLMVFDPAMAASTGVCGTDVDQALVDFSTDVQWLKQSGVQIERFNLAQQPMSFVQNEKVKAF IEASGAEGLPLLLLDGETVMAGRYPKRAELARWFGIPLDKVGLAP 000000000011111111111110000000000000000000000000000000000000000000000000000 0000000000000000000000000000001111

>DM\_train2565 MAYRALMVLRMDPADAEHVAAAFAEHDTTELPLEIGVRRRVLFRFHDLYMHLIEADDDIMERLYQAR SHPLFQEVNERVGQYLTPYAQDWEELKDSKAEVFYSWTAPDS 100000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000011

>DM\_train2566 PSSPSIDQVEPYSSTAQVQFDEPEATGGVPILKYKAEWRAVGEEVWHSKWYDAKEASMEGIVTIVGLK PETTYAVRLAALNGKGLGEISAASEFKTQPVREPSAPKLEG 000000000000000000000000111100000000000000000000000000000000000000000000000 0000000000000000000000001111111111

>DM\_train2567 MVNFKDKSMPTAIEKALDFIGGMNTSASVPHSMDESTAKGILKYLHDLGVPVSPEVVVARGEQEGW

NPEFTKKVAGWAEKVASGNRILIKNPEYFSTYMQEQLKELVLE 111111111100000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000

>DM\_train2568 GSDYIIKEKTVLLQKKDSEGFGFVLRGAKAQTPIEEFTPTPAFPALQYLESVDEGGVAWRAGLRMGDFLI EVNGQNVVKVGHRQVVNMIRQGGNTLMVKVVMVTRHPDM 000000000000000000000000000011111000000000000000000000000000000000000000000 0000000000000000000000000000000000

>DM\_train2569 KAINNIVASFSSVNDAITQTAEAIHTVTIALNKIQDVVNQQGSALNHLTSQLRHNFQSGGRGSGRGG NLTYLNLSSELKQLEAKTASLFQTTVELQGLIDQINSTYVDL 000000000000000000000000000000000000000000000000000011111111111111111000000 0000000000000000000000000000001111

>DM\_train2570 NNEIMPGKMKVKATKGEGDGGITSEGNALYNNEGGRAFMYAYVTTKPGMKYVKWEHDSGVVTVEL EPPCRFVIDTPTGPQIKYLYFVKNLNNLRRGAVLGYIGATVRLQ 111111100000000000000000000000001111000000000000000000000000000000000000000 0000000000000000000000000000000000

>DM\_train2571 MTDLPAGDRLTGIPSHILNSSPSDRQINQLAQRLGPEWEPMVLSLGLSQTDIYRCKANHPHNVQSQ VVEAFIRWRQRFGKQATFQSLHNGLRAVEVDPSLLLHMLEELE 111111111111111000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000111

>DM\_train2572 MEEAKGPVKHVLLASFKDGVSPEKIEELIKGYANLVNLIEPMKAFHWGKDVSIENLHQGYTHIFESTFES KEAVAEYIAHPAHVEFATIFLGSLDKVLVIDYKPTSVSL 111111000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000000

>DM\_train2573 SMFNNELMADVHFVVGPPGATRTVPAHKYVLAVGSSVFYAMFYGDLAEVKSEIHIPDVEPAAFLILLK YMYSDEIDLEADTVLATLYAAKKYIVPALAKACVNFLETSL 000000000000000000000000000000000000000000011111100000000000000000000000000 0000000000000000000000000000000000

>DM\_train2574 MKWEMGLQEEYIELIKAGKKKIEGRLYDEKRRQIKPGDIIIFEGGKLKVKVKGIRVYSSFKEMLEKEGIENV LPGVKSIEEGVKVYRQFYDEEREKKYGVVAIEIEPIE 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000001

>DM\_train2575 HMSNPLGELVKALEKLSFKPSDVRIYSLLLERGGMRVSEIARELDLSARFVRDRLKVLLKRGFVRREIVEK GWVGYIYSAEKPEKVLKEFKSSILGEIERIEKMFTDGS 110000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000111

>DM\_train2576

MAEESFYGVTLTAESDSVTWDVDEDYARGQKLVIKQILLGAEAKENEFNVVEVNTPKDSVQIPIAVLK AGETRAVNPDVEFYESKVTFKLIKGSGPVYIHGHNIKDDV 111000000000000000000111111100000000000000000000000000000000000000000000000 000000000000000000000000000001111

>DM\_train2577 MASMSNGTPDIIVNAQINSEDENVLDFIIEDEYYLKKRGVGAHIIKVASSPQLRLLYKNAYSTVSCGNY GVLCNLVQNGEYDLNAIMFNCAEIKLNKGQMLFQTKIWR 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000

>DM\_train2578 MGPMPKLADRKLCADQECSHPISMAVALQDYMAPDCRFLTIHRGQVVYVFSKLKGRGRLFWGGSV QGDYYGDLAARLGYFPSSIVREDQTLKPGKVDVKTDKWDFYCQ 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000

>DM\_train2579 MEITSDMEEDKDLMLKLLDKNGFVLKKVEIYRSNYLAILEKRTNGIRNFEINNNGNMRIFGYKMMEHHI QKFTDIGMSCKIAKNGNVYLDIKRSAENIEAVITVASEL 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000

>DM\_train2581 DDPIGLFVMRPQDGEVTVGGSITFSARVAGASLLKPPVVKWFKGKWVDLSSKVGQHLQLHDSYDRA SKVYLFELHITDAQPAFTGSYRCEVSTKDKFDCSNFNLTVHE 000000000000000000000000000000010000000000000000000000000000000000000000000 000000000000000000000000000000000

>DM\_train2582 MLRYGDTEICIDPSESVLHLLGKKYTMLIISVLGNGSTRQNFNDIRSSIPGISSTILSRRIKDLIDSGLVERR SGQITTYALTEKGMNVRNSLMPLLQYISVLDRNGD 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000011

>DM\_train2584 MSSAQFDHVTVIKKSNVYFGGLCISHTVQFEDGTKKTLGVILPTEQPLTFETHVPERMEIISGECRVKIA DSTESELFRAGQSFYVPGNSLFKIETDEVLDYVCHLEG 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000001

>DM\_train2585 MLTVIAEIRTRPGQHHRQAVLDQFAKIVPTVLKEEGCHGYAPMVDCAAGVSFQSMAPDSIVMIEQW ESIAHLEAHLQTPHMKAYSEAVKGDVLEMNIRILQPGISGRV 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000011111

>DM\_train2586 MSTSADYKINQQQIVCVASFLSKEGKTEALIAALASLIPDTRREAGCIRYELNVSRDEPRRVTFVEKFVDI AAFDEHCAKDAIQHYFHQVMPELVESFHVETYHQVIA 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000000

>DM\_train2587 MHRTTRIKITELNPHLMCVLCGGYFIDATTIIECLHSFCKTCIVRYLETSKYCPICDVQVHKTRPLLNIRSD KTLQDIVYKLVPGLFKNEMKRRRDFYAAHPSADAAN 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000011111

>DM\_train2588 MLAKNKGKIPGLKIDQKIRGQMPERGWTEDDIKNTVSNGATGTSFDKRSPKKTPPDYLGRNDPATVY GSPGKYVVVNDRTGEVTQISDKTDPGWVDDSRIQWGNKNDQ 111111111110000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000001111

>DM\_train2589 RYCKRTIPPGYKVDQVFGPRTKGKEGNFGDDKMNEEGIKDGRVTAMLNLVPSSHACLFGSRVTPKLQ PDGLHLKFEFTTVVPRDDPQFDNYVKICDQCVDGVGTRPKD 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000001

>DM\_train2590 ADDAKPRVKVPSSAKAGETVTVKALISHKMESGQRKDADGKLIPRSIINRFTCELNGVNVVDVAIDPA VSTNPYFEFDAKVDAAGEFKFTWYDDDGSVYEDVKPIAVA 110000000000000000000000000000000011111110000000000000000000000000000000000 000000000000000000000000000000000

>DM\_train2591 AQQSPYSAAMAEQRHQEWLRFVDLLKNAYQNDLHLPLLNLMLTPDEREALGTRVRIVEELLRGEMS QRELKNELGAGIATITRGSNSLKAAPVELRQWLEEVLLKSD 111000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000

>DM\_train2592 YEVPKAKIDVFYPKGFEVSIPDEEGITLFAFHGKLNEEMEGLEAGTWARDIVKAKNGRWTFRDRITALKP GDTLYYWTYVIYNGLGYREDDGSFVVNGYSGNNASPH 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000111111

>DM\_train2593 GLFDFLKRKEVKEEEKIEILSKKPAGKVVVEEVVNIMGKDVIIGTVESGMIGVGFKVKGPSGIGGIVRIERN REKVEFAIAGDRIGISIEGKIGKVKKGDVLEIYQT 111111111111111100000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000000

>DM\_train2594 MNDMGSSEVNDENKEKEARYSVMTKSELEALAVSAIREHRRLLWADQAVYEEWLRASDDPSISGPVL QTLQDEYVARQKRSEAQQEELSDILDALGFVPDVPFDDDN 111111111111111100000000000000000000000000000000000000000000000000000000000 00000000000000000000000000011111

>DM\_train2595 PLGSQFWVTVQRTEAAERCGLHGSYVLRVEAERLTLLTVGAQSQILEPLLSWPYTLLRRYGRDKVMFS FEAGRRCPSGPGTFTFQTAQGNDIFQAVETAIHRQKAQG 000000000000000000000000000000000000000011110000000000000000000000000000000

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>DM\_train2596 ENLYFMLEMEIKITEVKENKLIGRKEIYFEIYHPGEPTPSRKDVKGKLVAMLDLNPETTVIQYIRSYFGSYK SKGYAKYYYDKDRMLYIEPEYILIRDGIIEKKEGE 111111110000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000011111

>DM\_train2599 MAPTQLDIKVKALKRLTKEEGYYQQELKDQEAHVAKLKEDKSVDPYDLKKQEEVLDDTKRLLPTLYEKI REFKEDLEQFLKTYQGTEDVSDARSAITSAQELLDSK 111000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000

>DM\_train2600 MIPGEYHVKPGQIALNTGRATCRVVVENHGDRPIQVGSHYHFAEVNPALKFDRQQAAGYRLNIPAG TAVRFEPGQKREVELVAFAGHRAVFGFRGEVMGPLEVNDE 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000011111

>DM\_train2601 MGKTNDWLDFDQLAEEKVRDALKPPSMYKVILVNDDYTPMEFVIDVLQKFFSYDVERATQLMLAVA YQGKAICGVFTAEVAETKVAMVNKYARENEHPLLCTLEKA 111111111111111111111100000000000000000000000000000000000000000000000000000 0000000000000000000000000000000

>DM\_train2602 MAQKKPKRNLSALKRHRQSLKRRLRNKAKKSAIKTLSKKAIQLAQEGKAEEALKIMRKAESLIDKAAKG STLHKNAAARRKSRLMRKVRQLLEAAGAPLIGGGLSA 111111100000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000

>DM\_train2603 VLLESEQFLTELTRLFQKCRTSGSVYITLKKYDGRTKPIPKKGTVEGFEPADNKCLLRATDGKKKISTVVSS KEVNKFQMAYSNLLRANMDGLKKRDKKNKTKKTK 000000000000000000000000000000000111111111111111111100000000000000000000000 0000000000000000000111111111111

>DM\_train2604 HFGGYIQKQAQTERKSGKRQTEREKKKKILAERRKVLAIDHLNEDQLREKAKELWQTIYNLEAEKFDLQ EKFKQQKYEINVLRNRINDNQKVSKTRGKAKVTGRWK 111111111111111111110000000000000000000000000000000000000000000000000000000 0000000000000011111111111111111

>DM\_train2605 GSVSKWVRLNVGGTYFLTTRQTLCRDPKSFLYRLCQADPDLDSDKDETGAYLIDRDPTYFGPVLNYLR HGKLVINKDLAEEGVLEEAEFYNITSLIKLVKDKIRER 111000000000000000000000000000000001111111100000000000000000000000000000000 0000000000000000000000000000000

>DM\_train2606 VETKCPNLDIVTSSGEFHCSGCVEHMPEFSYMYWLAKDMKSDEDTKFIEHLGDGINEDETVRTTDGGI TTLRKVLHVTDTNKFAHYRFTCVLTTLDGVSKKNIWLK

000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000001

>DM\_train2607 GMTESDRDQEASMREVVIVKSTPQRGKFNAFAELVGKLVSETRDFPGCLGAYLMLAPERNEQVVMHI WETPDALEAYLTWRADRGDFLEINEYLEVEQDFKTYQLA 111111111111000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000

>DM\_train2608 TKAIPWKINWQTMAFEYIGPQIEALLGWPQGSWKSVEDWATRMHPEDQEWVVNFCVKQSECGVD HEADYRALHRDGHYVWIRDVVHVVRDDSGEVEALIGFMFDIS 100000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000

>DM\_train2609 PIEPQSDAHVLKSRLEWGEPAFTILDVRDRSTYNDGHIMGAMAMPIEDLVDRASSSLEKSRDIYVYGA GDEQTSQAVNLLRSAGFEHVSELKGGLAAWKAIGGPTE 111111000000000111000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000

>DM\_train2610 GMNKKTQLLEVIAALPEELVDQALNYVQMLQNPIQITPGVCGGQARIRNTRIPVWTLVAYRQQGAP DKELLANYPGLTAEDLSAAWHYYEQNPEQIDREIAQDDLV 100000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000001111

>DM\_train2611 SMALGPFPAMENQVLVIRIKIPNSGAVDWTVHSGPQLLFRDVLDVIGQVLPEATTTAFEYEDEDGDRI TVRSDEEMKAMLSYYYSTVMEQQVNGQLIEPLQIFPRA 111111111111100000000000000000000100000000000000000000000000000000000000000 0000000000000000000000000000000

>DM\_train2612 MITVDITVNDEGKVTDVIMDGHADHGEYGHDIVCAGASAVLFGSVNAIIGLTSERPDINYDDNGGHF HIRSVDTNNDEAQLILQTMLVSLQTIEEEYNENIRLNYK 000000000000000000000111111111100000000000000000000000000000000000000000000 0000000000000000000000000000000

>DM\_train2613 MTLEKHAFKMQLNPGMEAEYRKRHDEIWPELVDLLHQSGASDYSIHLDRETNTLFGVLTRPKDHTM ASLPDHPVMKKWWAHMADIMATNPDNSPVQSDLVTLFHMP 100000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000000

>DM\_train2614 VGFAPELYCGLENCYDVLEVNREEFDKQKLAKAYRALARKHHPDRVKNKEEKLLAEERFRVIATAYETL KDDEAKTNYDYYLDHPDQRFYNYYQYYRLRAAPKVDL 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000001111111

>DM\_train2615 MGEETINSTQNKTRTKTTRPKAVYLWTVSDVLKWYRRHCGEYTQYEQLFAQHDITGRALLRITDSSLQ

RMGVTDNRDREAIWREIVKQRLKTDIMEIRDMERLNIY 111111111111111111100000000000000000000000000000000000000000000000000000000 0000000000000000000000000000001

>DM\_train2616 EAEASNMSSAHKCIDTNVPENAACYRYLDGTEEWRCLLGFKEVGGKCVPASITCEENNGGCAPEAEC TMDDKKEVECKCTKEGSEPLFEGVFCSSSSGPHHHHHH 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000011111111111

>DM\_train2617 GMKNEVFFGEGMKVVAAAYPDLYDIIVKLNDTVFTGKTLDYKTQKLIAIGIVASRCDEVAIEKQMKSA MKELGITKEEIADVLRVVLLTSGMPAFTKAMKILEKL 111111111000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000

>DM\_train2618 MPVVKINAIEVPAGAGPELEKRFAHRAHAVENSPGFLGFQLLRPVKGEERYFVVTHWESDEAFQAWA NGPAIAAHAGHRANPVATGASLLEFEVVLDVGGTGKTA 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000111111

>DM\_train2619 GPHMATADRDILARLHKAVTSHYHAITQEFENFDTMKTNTISREEFRAICNRRVQILTDEQFDRLWNE MPVNAKGRLKYPDFLSRFSSETAATPMATGDSAVAQR 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000111111111111111111

>DM\_train2620 MSPFKKTYVLKLYVAGNTPNSVRALKMLKNILEQEFQGVYALKVIDVLKNPQLAEEDKILATPTLAKILP PPVRKIIGDLSDREKVLIGLDLLYDEIREREAEDQ 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000111111111

>DM\_train2621 QTLDIQRGATLFNRACAACHDTGGNIIQPGATLFTKDLERNGVDTEEEIYRVTYFGKGRMPGFGEKCT PRGQCTFGPRLQDEEIKLLAEFVKFQADQGWPTVSTD 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000001111

>DM\_train2622 GHMTETKPRIAIRYCTQCNWLLRAGWMAQEILQTFASDIGEVSLIPSTGGLFEITVDGTIIWERKRDGG FPGPKELKQRIRDLIDPERDLGHVDRTKHEGLDTGS 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000011111111111111111111

>DM\_train2623 MDKPILKDSMKLFEALGTIKSRSMFGGFGLFADETMFALVVNNQLHIRADQQTSSDFETQGLKPYVYK KRGFPVVTKYYAISSELWESSDRLIEVAKKSLENAKL 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000001

>DM\_train2624

GAMGKCPTKVVLLRNMVGAGEVDEDLEVETKEECEKYGKVGKCVIFEIPGAPDDEAVRIFLEFERVESA IKAVVDLNGRYFGGRVVKACFYNLDKFRVLDLAEQV 100000000000000000000011100000000000000000000000000000000000000000000000000 000000000000000000000000000000

>DM\_train2625 GMINMKVAISMDVDKISNSFEDCKYFLIVRIDDNEVKSTKVIFNDESGKKSIVKENVNAIICKNISEENYK KFSKKIEIYHAEGDDVDKNISLFIEGELSKISNP 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000000

>DM\_train2626 YRALFEHAIDGIFIMDAEGHYLDVNPAICSAIGYTRDEFLALDWGVLSRGVDSGWAAASLARIVGGEP LREERTVWTRNGDQLTVELSAHLLPDGKILGIARDVS 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000011

>DM\_train2627 GSMSSDAQWLTAEERDQLIPGLKAAGWSELSERDAIYKEFSFKNFNQAFGFMSRVALQAEKMNHHP EWFNVYNKVQITLTSHDCGGLTKRDVKLAQFIEKAAASL 111110000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000011

>DM\_train2628 SQTIALLNIYRNPQNSSQSADGLRSAVSDVEMQEHYDEFFEEVFTEMEEKYGEVEEMNVCDNLGDHL VGNVYVKFRREEDAEKAVIDLNNRWFNGQPIHAELSP 000000000000001111110000000000000000000000000000000000000000000000000000000 00000000000000000000000000000

>DM\_train2629 SKGMALRSVGGMVIESPRNETEHWLLETVGRQAQQAGIGMPTVAIYDSADINAFATGAKRDDSLVA VSTGLLHNMTRDEAEAVLAHEVSHIANGDMVTMTLMQG 111000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000

>DM\_train2630 MNRDQEKIQIENEMNAMHGTIKEDILKDFEEFKGYLKKQVNRGKKLGLDDGKLVKSAAILGDYLAKHE EPQNGEEMLLQELWSVADEDEKEHLAQLLVKLVDKQ 111111111111111111110000000000000000000000000000000000000000000000000000000 00000000000000000000000000000

>DM\_train2631 MARPNFRYTHYDLKELRAGTTLEISLSSVNNVRLMTGANFQRFTELLDFKYLGGVAKKSPIRIAVPETM HWHLIIDAEGHSGLAESSVKMLPAQPQATLTRKAS 111000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000000

>DM\_train2632 MSHTILLVQPTKRPEGRTYADYESVNECMEGVCKMYEEHLKRMNPNSPSITYDISQLFDFIDDLADLS CLVYRADTQTYQPYNKDWIKEKIYVLLRRQAQQAGK 100000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000111

>DM\_train2633 GHMTKLALFVRLEAKPGQEAALADFLASALPLANAESGTTAWFALKFGPSTFGVFDAFADEAGRQAH LNGQIAAALMANAATLLSSPPNIEKVELLAAKLPAGS 110000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000011

>DM\_train2634 MSGRGKGGKGLGKGGAKRHRKVLRDNIQGITKPAIRRLARRGGVKRISGLIYEETRGVLKVFLENVIRD AVTYTEHAKRKTVTAMDVVYALKRQERTLYGFGG 111111111111111111111111100000000000000000000000000000000000000000000000000 0000000000000000000000000000

>DM\_train2635 GAKPGKKTRGRVKIKMEFIDNKLRRYTTFSKRKTGIMKKAYELSTLTGTQVLLLVASETGHVYTFATRKL QPMITSETGKALIQTCLNSPDSPPRSDPTTDQR 111110000000000000000000000000000000000000000000000000000000000000000000000 0000000000000011111111111111

>DM\_train2636 MTARNPLEAQAWALLEAVYDPELGLDVVNLGLIYDLVVEPPRAYVRMTLTTPGCPLHDSLGEAVRQA LSRLPGVEEVEVEVTFEPPWTLARLSEKARRLLGWG 110000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000011

>DM\_train2637 NGYTMQRDNQKTLAVYMFEEINRDVEYLSGRLSEKELKDKYRYYGRGYVRITDKDGQVITYEDGSVQ DKTVFLTNEGANKLGWKLEFLIDEKMFEEEILEKQN 110000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000001111

>DM\_train2638 MSTLADQALHNNNVGPIIRAGDLVEPVIETAEIDNPGKEITVEDRRAYVRIAAEGELILTRKTLEEQLGR PFNMQELEINLASFAGQIQADEDQIRFYFDKTM 100000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000

>DM\_train2639 GKKQPSLHYTAAQLLEKGVLVEIEDLPASHFRNVIFDITPGDEAGKFEVNAKFLGVDMERFQLHYQDLL QLQYEGVAVMKLFNKAKVNVNLLIFLLNKKFLRK 111000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000001

>DM\_train2640 MKSITTDELKNKLLESKPVQIVDVRTDEETAMGYIPNAKLIPMDTIPDNLNSFNKNEIYYIVCAGGVRSA KVVEYLEANGIDAVNVEGGMHAWGDEGLEIKSI 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000001

>DM\_train2641 TNRLVLSGTVCRAPLRKVSPSGIPHCQFVLEHRSVQEEAGFHRQAWCQMPVIVSGHENQAITHSITV GSRITVQGFISCHKAKNGLSKMVLHAEQIELIDSGD 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train2642 GPLGSEQIGKLRSELEMVSGNVRVMSEMLTELVPTQAEPADLELLQELNRTCRAMQQRVLELIPQIAN EQLTEELLIVNDNLNNVFLRHERFERFRTGQTTKA 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000011111

>DM\_train2643 SATEPPKIVWNEGKRRFETEDHEAFIEYKMRNNGKVMDLVHTYVPSFKRGLGLASHLCVAAFEHASS HSISIIPSCSYVSDTFLPRNPSWKPLIHSEVFKSSI 111100000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000001111

>DM\_train2644 SNAMEFAPRSVVIEEFIDTLEPMMEAYGLDQVGIFEEHGEGNRYYVGYTINKDDEMITIHMPFVKNER GELALEKQEWTVRKDGREKKGFHSLQEAMEEVIHS 111000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000

>DM\_train2645 SANVTQAFGRRGPEQTQGNFGDQDLIRQGTDYKHWPQIAQFAPSASAFFGMSRIGMEVTPSGTWL TYHGAIKLDDKDPQFKDNVILLNKHIDAYKTFPPTEPK 111111000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000001

>DM\_train2646 DYKDDDDKVKLYKTNKYGTLYKSESASFTANTDIITRLTGPFRSMPQSGVLRKGLTIKYDEVMKQDGH VWVGYNTNSGKRVYLPVRTWNESTGELGPLWGTIK 111100000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000

>DM\_train2647 AHHHHHHGSSTRGDLIRILGEIEEKMNELKMDGFNPDIILFGREAYNFLSNLLKKEMEEEGPFTHVSNIK IEILEELGGDAVVIDSKVLGLVPGAAKRIKIIK 111111111000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000

>DM\_train2648 GMTMFLHVVMMEFDDGIDAGFFRTVDEYVARMKRECDGLLLYHFGENVAARSQGYTHATSSAFVD AAAHDAYQVCPAHVAMKAFMGPRIKRVVVYDGEVPAIG 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000001

>DM\_train2649 KILAVTACPTGIAHTFMAADALKEKAKELGVEIKVETNGSSGIKHKLTAQEIEDAPAIIVAADKQVEMER FKGKRVLQVPVTAGIRRPQELIEKAMNQDAPIY 000000000001100000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000000

>DM\_train2650 QDKKTMMMNEEDDGNGMDELLAVLGYKVRSSEMADVAQKLEQLEVMMSNVQEDDLSQLATETV HYNPAELYTWLDSMLTDLNPPSSNAEYDLKAIPGDAILNQ

111111111111111000000000000000000000000000000000001111111000000000000000000 0000000111111111111111111111

>DM\_train2651 MKRVMIGAVAALTMLSGQALAGDAAAGQAKAAVCAACHGADGNATIPGYPNLKGQNEQYIVSSIK AYKNKERSGGLAAVMQAQASLLSDDDIANLAAYYSSLK 111111111111111111111000000000000000000000000000000000000000000000000000000 0000000000000000000000000111

>DM\_train2653 VNFEVKDQTLMMELVPERLRGETATFDIEADGKVYVEKGRRVTARHIRQLEKDGVNFIEVPVEYIVGKV SAKDYVNEATGELIITANQEISLEALANLSQAG 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000011

>DM\_train2654 MDSAKLIFINQINDCKDGQKLRFLGCVQSYKNGILRLIDGSSSVTCDVTVVLPDVSIQKHEWLNIVGRK RQDGIVDVLLIRSAVGINLPRYRQMVSERQKCD 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000

>DM\_train2655 MRGRLQGVELIARDWIGLMVEVVESPNHSEVGIKGEVVDETQNTLKIMTEKGLKVVAKRGRTFRVWY KGKIMRIKGDLINFRPEDRIKRGLMMLKRAKGVWI 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000

>DM\_train2656 GAVTGPRKGGSRRNAWGNQSYAELISQAIESAPEKRLTLAQIYEWMVRTVPYFKDKGDSNSSAGWK NSIRHNLSLHSKFIKVHNEATGKSSWWMLNPEGGKS 111111111110000000000000000000000000000000000000000000000000000000000000000 000000000000000000000111111

>DM\_train2657 EAQSEKEEAPKPLHKVVVCVSKKLSKKQSELNGIAASLGADYRRSFDETVTHFIYQGRPNDTNREYKSV KERGVHIVSEHWLLDCAQECKHLPESLYPHTYN 111111111100000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000

>DM\_train2658 GMTSPVAVIARFMPRPDARSALRALLDAMITPTRAEDGCRSYDLYESADGGELVLFERYRSRIALDEHR GSPHYLNYRAQVGELLTRPVAVTVLAPLDEASA 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000001

>DM\_train2659 MKAYLGLYTARLETPARSLKEKRALIKPALERLKARFPVSAARLYGLDAWGYEVVGFTLLGNDPAWVEE TMRAAARFLAEAGGFQVALEEFRLEAFELDGLL 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000001111

>DM\_train2660 MSILHTVNKSPFERNSLESCLKFATEGASVLLFEDGIYAALAGTRVESQVTEALGKLKLYVLGPDLKARG

FSDERVIPGISVVDYAGFVDLTTECDTVQAWL 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000000

>DM\_train2661 HHMGNLNRCIADIVSLFITVMDKLRLEIRAMDEIQPDLRELMETMNRMSHLPPDFEGREKVSQWLQK LSSMSASDELDDSQVRQMLFDLESAYNAFNRFLHS 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000001

>DM\_train2662 MTQEVDQQILLQQLKSDYRQILLSYFTTDKALKEKIDKFINAVFCANIPVPEIIEIHMELIDEFSKQLRLEG RGDETLMDYRLTLIDILAHLCEAYRGAIFK 111000000000000000000000000001100000000000000000000000000000000000000011100 110000000000000000000000001

>DM\_train2663 MKPRDINKLIASKIFGYEIKDDNIIKDGRYRLGIPLYSQNIESAWQVVEKLEYDVKVTKTDLKPKYQVHVF VPGGVKMVFAETAPMAICKGALASVDIELQD 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000111111

>DM\_train2664 MELEDANVTKKVELRPLIGLTRGLPPTDLETITIDAIRTHRRLVEKADELFQALPETYKTGQACGGPQHI RYIEASIEMHAQMSALNTLISILGFIPKVVVN 111111111110000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000111

>DM\_train2666 MKKHIIIKTIPKKEEIISRDLCDCIYYYDNSVICKPIGPSKVYVSTSLENLEKCLQLHYFKKLVKNIEIFDEVH NSKPNCDKCLIVEIGGVYFVRRVNGVPR 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000011111

>DM\_train2667 RPGADCEVCKEFLNRFYKSLIDRGVNFSLDTIEKELISFCLDTKGKENRLCYYLGATKDAATKILSEVTRP MSVHMPAMKICEKLKKLDSQICELKYEKTLD 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000011

>DM\_train2668 ITCPPPMSVEHADIWVKSYSLYSRERYICNSGFKRKAGTSSLTECVLNKATNVAHWTTPSLKCIRDPAL VHQRPAPPSTVTTAGVTPQPESLSPSGKEPAAS 000000000000000000000000000000000000000000000000000000000000000000000000011 111111111111111111111111111

>DM\_train2669 MRRYEVNIVLNPNLDQSQLALEKEIIQRALENYGARVEKVAILGLMVLAYPIAKDPQGYFLWYQVEMP EDRVNDLARELRIRDNVRRVMVVKSQEPFLANA 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000011111111

>DM\_train2670

QALSYREAVLRAVDRLNEQSSEANLYRLLELDQPPKADEDPGTPKPVSFTVKETVCPRPTRQPPELCD FKENGRVKQCVGTVTLDQIKDPLDITCNEVQGV 000000000000000000000000000000001111111110000000000000000000000000000000000 00000000001111000000000000

>DM\_train2671 MSPTSILDIRQGPKEPFRDYVDRFYKTLRAEQASQEVKNWMTETLLVQNANPDCKTILKALGPGATLE EMMTACQGVGGPGHKARVLAEAMSQVTNPATIM 111000000000000000000000000000000000000000000000000000000000000000000000001 11111111111111111111111111

>DM\_train2672 MGRKLELTKAEKHVHNFMMDTQLTKRVKNAAANVLRETWLIYKNTKLVKKIDHAKVRKHQRKFLQAI HQLRSVKMEQRKLNDQANTLVDLAKTQLEHHHHH 111111111111111111100000000000000000000000000000000000000000000000000000000 00000000000000000000000000

>DM\_train2673 GTEEYRIGEIFLAATEENKPQVFANAEKIVEQLKQGGSFVAYARQYSEASTAAVGGDLGWIRLAQLPTE LATTAASMGPGQLAGPVEIRGGFSILYLIDKR 100000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000

>DM\_train2674 GMSDPRTQPLEIRPLMISRVMEVDWADGHTSRLTFEHLRVECPCAECKGHTPDQAQIVTGKEHVSV VEVVPVGHYAVQLHFSDGHNTGIFTWEYLRRLDAE 110000000000000000000000000000000000000000001111111111000000000000000000000 00000000000000000000000000

>DM\_train2675 MGSDKIHHHHHHMEVKIEKPTPEKLKELSVEKWPIWEKEVSEFDWYYDTNETCYILEGKVEVTTEDGK KYVIEKGDLVTFPKGLRCRWKVLEPVRKHYNLF 111111111111100000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000

>DM\_train2676 MKKWSDTEVFEMLKRMYARVYGLVQGVGFRKFVQIHAIRLGIKGYAKNLPDGSVEVVAEGYEEALSK LLERIKQGPPAAEVEKVDYSFSEYKGEFEDFETY 111111111110000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000

>DM\_train2677 RVQSGKIDCGDDAGWAKVPSDDPGRDNTRELAKNITFASPYCRPPVVLLSITQLDVEQSQNLRVIARL YSVSPSGFKASCYTWHNTKVYSMSISWISIENY 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000011

>DM\_train2678 TTPVPVSGSLEVKVNDWGSGAEYDVTLNLDGQYDWTVKVKLAPGATVGSFWSANKQEGNGYVIFT PVSWNKGPTATFGFIVNGPQGDKVEEITLEINGQVI 111100000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000

>DM\_train2679 QPVISAQEQETQIVLYGKLVEARQKHANKMDVPPAILATNKILVDMAKMRPTTVENVKRIDGVSEGK AAMLAPLLEVIKHFCQTNSVQTDLFSSTKPQEEQ 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000001111111

>DM\_train2680 MKTPEDCTGLADIREAIDRIDLDIVQALGRRMDYVKAASRFKASEAAIPAPERVAAMLPERARWAEEN GLDAPFVEGLFAQIIHWYIAEQIKYWRQTRGAA 000000000000000000000000000000000000000001111111111000000000000000000000000 00000000000000000001111111

>DM\_train2681 GAMLYLIFYDITDDNLRNRVAEFLKKKGLDRIQYSVFMGDLNSSRLKDVEAGLKIIGNRKKLQEDERFFI LIVPITENQFRERIVIGYSGSEREEKSNVVW 100000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000111111111111

>DM\_train2682 SNAEDITETSPDKWLIDGDTPLDEVERAIGYELPEGDYETISGLLFDHANALLKTGDVIEIPLDFEPEDYL NNTSPTQRILRITVLEVERNVPVKLALALL 111000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000

>DM\_train2683 MKKRLTESQFQEAIQGLEVGQQTIEIARGVLVDGKPQATFATSLGLTRGAVSQAVHRVWAAFEDKNL PEGYARVTAVLPEHQAYIVRKWEADAKKKQETKR 100000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000111111

>DM\_train2684 GAMAQVPTDPGYFSVLLDVKHFSPEEISVKVVGDHVEVHARHEERPDEHGFIAREFHRRYRLPPGVD PAAVTSALSPEGVLSIQATPASAQASLPSPPAAK 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000011111

>DM\_train2685 GSHMYYVIFAQDIPNTLEKRLAVREQHLARLKQLQAENRLLTAGPNPAIDDENPSEAGFTGSTVIAQF ENLQAAKDWAAQDPYVEAGVYADVIVKPFKKVF 100000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000000

>DM\_train2686 GSSSSLPLYNQQVGDCCIIRVSLDVDNGNMYKSILVTSQDKAPTVIRKAMDKHNLDEDEPEDYELLQII SEDHKLKIPENANVFYAMNSAANYDFILKKR 111111111111100000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000

>DM\_train2687 SNTQAERSIIGMIDMFHKYTRRDDKIDKPSLLTMMKENFPNFLSACDKKGTNYLADVFEKKDKNEDKK IDFSEFLSLLGDIATDYHKQSHGAAPCSGGSQ 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train2688 SSAEQSFLFSREEADTLRLKVEELEGERSRLEEEKRMLEAQLERRALQGDYDQSRTKVLHMSLNPTSVA RQRLREDHSQLQAECERLRGLLRAMERGGTV 111111110000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000011111

>DM\_train2689 MEKMSSGTPTPSNVVLIGKKPVMNYVLAALTLLNQGVSEIVIKARGRAISKAVDTVEIVRNRFLPDKIEI KEIRVGSQVVTSQDGRQSRVSTIEIAIRKK 111111111110000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000

>DM\_train2690 MRGSHHHHHHGSMAQKTFKVTADSGIHARPATVLVQTASKYDADVNLEYNGKTVNLKSIMGVMSL GIAKGAEITISASGADENDALNALEETMKSERLGE 111111111111110000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000

>DM\_train2691 ELIRVAILWHEMWHEGLEEASRLYFGERNVKGMFEVLEPLHAMMERGPQTLKETSFNQAYGRDLME AQEWCRKYMKSGNVKDLTQAWDLYYHVFRRISKQ 111111100000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000

>DM\_train2692 MSLTDSKVKNAKSLEKEYKLTDGFGMHLLVHPNGSKYWRLSYRFEKKQRLLALGVYPAVSLADARQR RDEAKKLLAAGIDPSAKKQADNKTIQEKRNNTR 100000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000001111

>DM\_train2693 GAHVSRVEKLPKDYQIVYKEIQKYLFKVGPVELNEGIGLLSEILGFFEEGAAAGKGVLDVTGTDVAAFCD ALIGDSKTYADLYQESIQQHVDKAMKNMKD 110000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000011111111

>DM\_train2694 SMDNLVLIRMKPDENGRFGFNVKGGYDQKMPVIVSRVAPGTPADLCVPRLNEGDQVVLINGRDIAE HTHDQVVLFIKASCERHSGELMLLVRPNAVESTV 100000000000010000000000000000000000000000000000000000000000000000000000000 0000111111000000000000000

>DM\_train2695 GAMGNLRLIGVPESDVENGTKLENTLQDIIQENFPNLARQANVQIQEIQRTPQRYSSRRATPRHIIVRF TKVEMKEKMLRAAREKGRVTLKGKPIRLTVD 100000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000000

>DM\_train2696 MAEPGIDKLFGMVDSKYRLTVVVAKRAQQLLRHRFKNTVLEPEERPKMRTLEGLYDDPNAVTWAMK ELLTGRLFFGENLVPEDRLQKEMERLYPTEEEA

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>DM\_train2697 AKVKIKPLEDKILVQAGEAETMTPSGLVIPENAKEKPQEGTVVAVGPGRWDEDGAKRIPVDVSEGDIVI YSKYGGTEIKYNGEEYLILSARDVLAVVSK 000000000000000011111111111111111100000000000000000000000000000000000000000 000000000000000000000000

>DM\_train2698 MSRSRQPPLVTGISPNEGIPWTKVTIRGENLGTGPTDLIGLTICGHNCLLTAEWMSASKIVCRVGQAK NDKGDIIVTTKSGGRGTSTVSFKLLKPEKIG 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000001111

>DM\_train2699 PITGPHIAYTEAVSDTQIMLKWTYIPSSNNNTPIQGFYIYYRPTDSDNDSDYKRDVVEGSKQWHMIGH LQPETSYDIKMQCFNEGGESEFSNVMICETK 111000000000000000000000111111111000000000000000000000000000000000000000000 000000000000000000000000

>DM\_train2700 AELRLLMFEQPGCLYCARWDAEIAPQYPLTDEGRAAPVQRLQMRDPLPPGLELARPVTFTPTFVLMA GDVESGRLEGYPGEDFFWPMLARLIGQAEPGQ 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000011

>DM\_train2701 HRVINHPYYFPFNGKQAEDYLRSKERGDFVIRQSSRGDDHLAITWKLDKDLFQHVDIQEMEKENPLA MGKVLVVEGQRYHDLDQIIVEYLQNKIRLLNE 000000000000000000000000000000000000000000000000000000000000111111110000000 000000000000000000000001

>DM\_train2702 STMPLAELGARLYREKACFSCHSIDGSRLVGPSFKGLYGSTRTFEDGTTAVADENYLRESILQPGAKVV QGYPNVMPASYASLSEREVAALIEFIKQQQ 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000000

>DM\_train2703 MNERLKEKLAVLPEQPGCYLMKDKHGTVIYVGKAKSLKERVRSYFTGTHDGKTQRLVEEIADFEYIVTS SNAEALILEMNLIKKHDPKYNVMLKDDKSY 111111100000000000000000000000000000000000000000000000000000000000000000000 000000000000000000001111

>DM\_train2704 GHMAKGYWIAQVDVRDSERYKDYVSTAKPAFERFGANFLARGGSVTELEGTARARNVVIEFPSVQH AIDCYNSPEYQAAAKIRQEVADAEMMIVEGIGS 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000000001

>DM\_train2705 SDLQRLKFIRHARQLGFSLESIRELLSIRIDPEHHTCQESKGIVQERLQEVEARIAELQSMQRSLQRLND

ACCGTAHSSVYCSILEALEQGASGVKSGC 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000011111111

>DM\_train2706 MMLIDCPNCGPRNENEFKYGGEAHVAYPADPHALSDKQWSRYLFYRQNKKGIFAERWVHAAGCRK WFNALRDTVTYEFKAIYPAGAPRPEIHSAEGGTR 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000011111111

>DM\_train2707 ASWSHPQFEKSGGGGGLVPRGSKRADAGTASALAASQLPQATMPGKSMVAIAGSSYQGQNGLAIG VSRISDNGKVIIRLSGTTNSQGKTGVAAGVGYQW 111111111111111111111000000000000000000000000000000000000000000000000000000 000000000000000000000000

>DM\_train2708 SDFANLSSTNKELSPQYNWVACGILEGGLKAAGVLEEGQYNRELAEAIAAKGEGFWTTQFPQIGDW NEDQAAALADRAQTCGLVKADTYLSELSSNFSS 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000011111111111

>DM\_train2709 MTVFVDHKIEYMSLEDDAELLKTMAHPMRLKIVNELYKHKALNVTQIIQILKLPQSTVSQHLCKMRGK VLKRNRQGLEIYYSINNPKVEGIIKLLNPIQ 111111111000000000000000000000000000000000000000000000000000000000000000111 111100000000000000000001

>DM\_train2710 MFEQRVNSDVLTVSTVNSQDQVTQKPLRDSVKQALKNYFAQLNGQDVNDLYELVLAEVEQPLLDM VMQYTRGNATRAALMMGINRGTLRKKLKKYGMN 111111111000011111111111000000000000000000111100000000000000000000000000000 00000000000000000000000

>DM\_train2711 MPSKKKKYNARFPPARIKKIMQTDEEIGKVAAAVPVIISRALELFLESLLKKACQVTQSRNAKTMTTSHL KQCIELEGDPAANKARKEAELAAATAEQ 111111111000000000000000000000000000000000000000000000000000111000000000000 11111111111111111111111

>DM\_train2712 DPNLWTVKCKIGEERATAISLMRKFIAYQFTDTPLQIKSVVAPEHVKGYIYVEAYKQTHVKQAIEGVGN LRLGYWNQQMVPIKEMTDVLKVVKEVANL 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000001111

>DM\_train2713 MNTLELSARVLECGAMRHTPAGLPALELLLVHESEVVEAGHPRRVELTISAVALGDLALLLADTPLGTE MQVQGFLAPARKDSVKVKLHLQQARRIAG 000000000000000000000000000000000000111111000000000000000000000000000000000 00000000000000000000011

>DM\_train2714

MNSCILQATVVEAPQLRYAQDNQTPVAEMVVQFPGLSSKDAPARLKVVGWGAVAQELQDRCRLN DEVVLEGRLRINSLLKPDGNREKQTELTVTRVHH 000000000000000000000000000000000001111100000000000000000000000000000000000 00111111110000000000000

>DM\_train2715 SPLAVGLAAHLRQIGGTMYGAYWCPHCQDQKELFGAAFDQVPYVECSPNGPGTPQAQECTEAGIT SYPTWIINGRTYTGVRSLEALAVASGYPLEEGR 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000001111

>DM\_train2716 SWVWNQMFVLEEFSGPEPILVGRLHTDLDPGSKKIKYILSGDGAGTIFQINDITGDIHAIKRLDREEKAE YTLTAQAVDFETNKPLEPPSEFIIKVQD 000000000000000000000000000001111000000000000000000000000000000000000000000 00000000000000000000000

>DM\_train2717 MRGSGMASSYSKWFNLEKIHSIEVQSLPEFFTNRIPSKTPEVYMRYRNFMVNSYRLNPNEYFSVTTAR RNVSGDAAALFRLHKFLTKWGLINYQVDSK 111111111100000000000000000000000000000000000000000000000000000000000000000 00000000000000000000111

>DM\_train2718 MEIIPSESHPHIQLLKSNRELLVTHIRNTQCLVDNLLKNDYFSAEDAEIVCACPTQPDKVRKILDLVQSK GEEVSEFFLYLLQQLADAYVDLRPWLLE 111110000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000

>DM\_train2719 MMSGAPSATQPATAETQHIADQVRSQLEEKYNKKFPVFKAVSFKSQVVAGTNYFIKVHVGDEDFVH LRVFQSLPHENKSLTLSNYQTNKAKHDELTYF 111000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000

>DM\_train2720 MSLKTTLPISLDWSTEEVIDVVHFFQAIEQAYDQGIAREDLLGKYRRFKEIVPSKSEEKQLFRAYEQEND VSCYQTIKKAREEMEEHIQMEGHHHHHH 111111110000000000000000000000000000000000000000000000000000000000000000000 00000000000000011111111

>DM\_train2721 ATYKVTLINEAEGLNKTIEVPDDQYILDAAEEAGIDLPYSCRAGACSTCAGKLISGTVDQSDQSFLDDD QIEAGYVLTCVAYPTSDCVIETHKEEELY 000000000111000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000

>DM\_train2722 LSIPEDYQARLQPNRVEGSYPLVRMEFTGATVDAPLMSQISRKYNIDVSILSSDLDYAGGVKFGMMVA ELFGNEQDDSAAIEYLRENNVKVEVLGYVL 100000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000000000

>DM\_train2723 MSNLKWFSGGDDRRKKAEVIITELLDDLEIDLGNESLRKVLGSYLKKLKNEGTSVPLVLSRMNIEISNAIK KDGVSLNENQSKKLKELMSISNIRYGY 111111111000000000000000000000000000000000000000000000000000000000000000000 00000000000000000111111

>DM\_train2724 PLKPEEHEDILNKLLDPELAQSERTEALQQLRVNYGSFVSEYNDLTKSHEKLAAEKDDLIVSNSKLFRQI GLTEKQEEDHKKADISETITIEDLEAK 000000000000000000000000000000000000000000000000000000000000000000000000011 1111111111111111111111

>DM\_train2725 MKSGIYQIKNTLNNKVYVGSAKDFEKAWKRHFKDLEKGCHSSIKLQRSFNKHGNVFECSILEEIPYEKD LIIERENFWIKELNSKINGYNIADATFG 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000001111

>DM\_train2726 GSHMEEIRNLTVKDFRVQELPLARIKKIMKLDEDVKMISAEAPVLFAKAAQIFITELTLRAWIHTEDNKR RTLQRNDIAMAITKFDQFDFLIDIVPR 111111111111111111100000000000000000000000000000000000000000000000000000000 0000000000000000000000

>DM\_train2727 MEPNTPTARTFDWMKVKRNPPKTAKVSEPGLGSPSGLRTNFTTRQLTELEKEFHFNKYLSRARRVEIA ATLELNETQVKIWFQNRRMKQKKREREGG 111111100000000011111111111111111111000000000000000000000000000000000000000 0000000000000000000000

>DM\_train2728 MDAKARNCLLQHREALEKDIKTSYIMDHMISDGFLTISEEEKVRNEPTQQQRAAMLIKMILKKDNDSY VSFYNALLHEGYKDLAALLHDGIPVVSSS 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000011111

>DM\_train2729 RDSGTVWGALGHGINLNIPNFQMTDDIDEVRWERGSTLVAEFKRKPFLKSGAFEILANGDLKIKNLTR DDSGTYNVTVYSTNGTRILDKALDLRILE 111100000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000

>DM\_train2730 MDFSQLGGLLDGMKKEFSQLEEKNKDTIHTSKSGGGMVSVSFNGLGELVDLQIDDSLLEDKEAMQIY LMSALNDGYKAVEENRKNLAFNMLGNFAKL 111111100000000000000000000000000000000000000000000000000000000000000000000 0000000000000000111111

>DM\_train2731 GMNHNYVEVKYPAIFRDEGTYWDVRFPDVPAAQTFGASVQVAADNAANALAIALFEQSLPPASDP QYWRLASTEFVVWITMADVQFGPGADTPEPMN 111111100000000000000000000000000000000000000000000000000000000000000000000

0000000000000011111111

>DM\_train2732 ADPALADVCRTKLPSQAQDTLALIAKNGPYPYNRDGVVFENRESRLPKKGNGYYHEFTVVTPGSNDR GTRRVVTGGYGEQYWSPDHYATFQEIDPRC 111000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000

>DM\_train2733 GMKRPGAIPTVQIDNERVKVTEWRFPPGGETGWHRHSMDYVVVPMTTGPLLLETPEGSVTSQLTRG VSYTRPEGVEHNVINPSDTEFVFVEIEIKAA 111000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000011

>DM\_train2734 MGEWEIIDIGPFTQNLGKFAVDEENKIGQYGRLTFNKVIRPCMKKTIYENEGFREIKGYEYQLYVYASDK LFRADISEDYKTRGRKLLRFNGPVPPP 100000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000000

>DM\_train2735 MAMIKMSPEEIRAKSQSYGQGSDQIRQILSDLTRAQGEIAANWEGQAFSRFEEQFQQLSPKVEKFAQ LLEEIKQQLNSTADAVQEQDQQLSNNFGLQ 110000000000000000000000000000000000000000000000000000000000000000000000000 0000000000111111111111

>DM\_train2736 GPSRVVYLGSIPYDQTEEQILDLCSNVGPVINLKMMFDPQTGRSKGYAFIEFRDLESSASAVRNLNGY QLGSRFLKCGYSSNSDISGVSQQQQQQYN 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000001111111111

>DM\_train2737 GKVVIYSEPDVSEKCIEVFSDIQDCSSWSLSPVILIKVVRGCWILYEQPNFEGHSIPLEEGELELSGLWGIE DILERHEEAESDKPVVIGSIRHVV 000000000111000000000000000000000000000000000000000000000000000000000000000 000000000000000000000

>DM\_train2738 HETRFEAAVKVIQSLPKNGSFQPTNEMMLKFYSFYKQATEGPCKLSRPGFWDPIGRYKWDAWSSLG DMTKEEAMIAYVEEMKKIIETMPMTEKVEE 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000111111111

>DM\_train2739 SETRKTEVPSDKLELLLDIPLKVTVELGRTRMTLKRVLEMIHGSIIELDKLTGEPVDILVNGKLIARGEVVVI DENFGVRITEIVSPKERLELLNE 111111111111111000000000000000000000000000000000000000000000000000000000000 000000000000000000000

>DM\_train2740 GPMATESPNSVQKIVVHLRATGGAPILKQSKFKVSGSDKFANVIDFLRRQLHSDSLFVYVNSAFSPNP DESVIDLYNNFGFDGKLVVNYACSMAWG

111111111110000000000000000000000000000000000000000000000000000000000000000 000000000000000000001

>DM\_train2741 GHMSLEEWIKADSLEKADEYHKRYNYAVTNPVRRKILRMLDKGRSEEEIMQTLSLSKKQLDYHLKVLE AGFCIERVGERWVVTDAGKIVDKIRGGS 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000011111111

>DM\_train2742 EVNEKAPAQARPTVFRWTGGGKEVYLSGSFNNWSKLPMTRSQNNFVAILDLPEGEHQYKFFVDGQ WTHDPSEPIVTSQLGTVNNIIQVKKTDFEVF 111111111000000000000000000000000000000000000000000000000000000000000000000 000000000000001111111

>DM\_train2743 MGTEPPENCQDDFNFNYVSDQEIEVYHVDKGWSAGWNYVCLNDYCLPGNKSNGAFRKTFNAVLG QDYKLTFKVEDRYGQGQQILDRNITFTTQVCN 111111110000000000000000000000000000000000000000000000000000000000000000000 000000000000000000001

>DM\_train2744 GSHMSTLKEVQDNITLHEQRLVTTRQKLKDAERAVELDPDDVNKSTLQSRRAAVSALETKLGELKREL ADLIAAQKLASKPVDPTGIEPDDHLKEK 111110000000000000000000000000000000000000000000000000000000000000000000000 011111111111111111111

>DM\_train2745 MDVLQEQVFKDLKSRGFKIIEQLDDKIFIAEKKERYLFYVMVEGVEVTIQTLLSVINMGETLSMPVVLAL VSNDGTVTYYYVRKIRLPRNIYAEAV 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000111

>DM\_train2746 GSHMLEQKKANIYKGKITRIEPSLEAAFVDYGAERHGFLPLKEIAREYFPANYSAHGRPNIKDVLREGQE VIVQIDKEERGNKGAALTTFISLAGS 111111111000000000000000000000000000000000000000000111111000000000000000000 000000000000000000000

>DM\_train2747 AMSDLELRQCLPCGPGGAGRCFGPSICCGDELGCFVGTAEALRCQEENYLPSPCQSGQKPCGSGGR CAAAGICCNDESCVTEPECREGVGFPRRV 111111000000000000000000000000000000000000000000000000000000000000000000000 00000000001111111111

>DM\_train2748 VPDPRGIIINLDEGELCLNSAQCKSNCCQHDTILSLLRCALKARENSECSAFTLYGVYYKCPCERGLTCE GDKSLVGSITNTNFGICHNVGRSDS 111110000000000000000000000000000000000000000000000000000000000000000000000 00000000000000011111

>DM\_train2749 MGSDKIHHHHHHMDLELKELQSKMKEMYFEKDSQRGIYATFTWLVEEVGELAEALLSNNLDSIQEEL

ADVIAWTVSIANLEGIDIEEALKKKYKL 111111111111000000000000000000000000000000000000000000000000000000000000000 00000000000000000000

>DM\_train2750 MAYGKAHLEAQLKRALAEEIQALEDPRLFLLTVEAVRLSKDGSVLSVYVEAFREEEGALRALSRAERRLV AALARRVRMRRLPRLEFLPWRASPA 110000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000111

>DM\_train2751 AKKKSKLEIIQAILEACKSGSPKTRIMYGANLSYALTGRYIKMLMDLEIIRQEGKQYMLTKKGEELLEDIRK FNEMRKNMDQLKEKINSVLSIRQ 110000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000111

>DM\_train2752 MEDERIKLLFKEKALEILMTIYYESLGGNDVYIQYIASKVNSPHSYVWLIIKKFEEAKMVECELEGRTKIIRL TDKGQKIAQQIKSIIDIMENDT 111100000000000000000000000000000000000000000000000000000000000000000000000 00000000000000001111

>DM\_train2753 KQKVINVKEVRLSPTIEEHDFNTKLRNARKFLEKGDKVKATIRFKGRAITHKEIGQRVLDRLSEACADIAV VETAPKMDGRNMFLVLAPKNDNK 111100000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000

>DM\_train2754 KPAKPAAKSIVTLDVKPWDDETNLEEMVANVKAIEMEGLTWGAHQFIPIGFGIKKLQINCVVEDDKVS LDDLQQSIEEDEDHVQSTDIAAMQKL 111100000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000000

>DM\_train2755 GHMSRTVMCRKYHEELPGLDRPPYPGAKGEDIYNNVSRKAWDEWQKHQTMLINERRLNMMNAE DRKFLQQEMDKFLSGEDYAKADGYVPPSAGS 000000000000000000000000000000000000000000000000000000000000000000000000000 0000001111111111111

>DM\_train2756 GSRSLQLDKLVNEMTQHYENSVPEDLTVHVGDIVAAPLPTNGSWYRARVLGTLENGNLDLYFVDFG DNGDCPLKDLRALRSDFLSLPFQAIECS 111100000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000001

>DM\_train2757 EDDEDYGDLGGCPFLVAENKTGYPTIVACKQDCNGTTETAPNGTRCFSIGDEGLRRMTANLPYDCPL GQCSNGDCIPKETYEVCYRRNWRDKKN 111111111100000000000000000000000000000000000000000000000000000000000000000 0000000000000111111

>DM\_train2758

GASIVGSWVEPVPGLEGQVQGIKMEEGGVASSVNMATLVYESWKQEGTKLILTGKSIGNGQTIEFVD TMDIKRLTADSLVLDNQGMEIRYAKQK 100000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000001

>DM\_train2759 MRKVRPEELPALLEEGVLVVDVRPADRRSTPLPFAAEWVPLEKIQKGEHGLPRRPLLLVCEKGLLSQVA ALYLEAEGYEAMSLEGGLQALTQGK 000000000000000000000000011100000000000000000000000000000000000000000000000 0000000000000011111

>DM\_train2760 EDMEIAYPITCGESKAILLWKKFVCPGINVKCVKFNDQLISPKHFVHLAGKSTLKDWKRAIRLGGIMLRK MMDSGQIDFYQHDKVCSNTCRSTK 100000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000001111

>DM\_train2761 QQRKVLTLEKGDNQTFGFEIQTYGLHHREEQRVEMVTFVARVHESSPAQLAGLTPGDTIASVNGLNV EGIRHREIVDIIKASGNVLRLETLYGT 000000000000000000000000011111110000000000000000000000000000000000000000000 0000000000000000000

>DM\_train2762 GGAHKVRAGGPGLERAEAGVPAEFSIWTREAGAGGLAIAVEGPSKAEISFEDRKDGSCGVAYVVQEP GDYEVSVKFNEEHIPDSPFVVPVASPS 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000001

>DM\_train2763 MIKVTVTNSFFEVTGHAPDKTLCASVSLLTQHVANFLKAEKKAKIKKESGYLKVKFEELENCEVKVLAA MVRSLKELEQKFPSQIRVEVIDNGS 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000111

>DM\_train2764 GVDRDYLQSEYGVLKAGQCYKVVRSFRDYRNINYERGDVMRFLGSNFVPYESGLSLFFDKNGSERQI MLCVRPEFQMEIAHHLDSYFCKLDDN 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000111

>DM\_train2765 MQQSLAVKTFEDLFAELGDRARTRPADSTTVAALDGGVHALGKKLLEEAGEVWLAAEHESNDALAEE ISQLLYWTQVLMISRGLSLDDVYRKL 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000000

>DM\_train2766 MASTRGSGRPWSAKENKAFERALAVYDKDTPDRWANVARAVEGRTPEEVKKHYEILVEDIKYIESGKV PFPNYRTTGGNMKTDEKRFRNLKIR 111111100000000000000000000000000000000000000000000000000000000000000011111 111111111111111111

>DM\_train2767 GSRMSAEASARPLRVGSRVEVIGKGHRGTVAYVGATLFATGKWVGVILDEAKGKNDGTVQGRKYFT CDEGHGIFVRQSQIQVFEDGADTTSPE 111111111111000000000000000000000000000000000000000000000000000000000000000 000000001111111111

>DM\_train2768 GSHMNTEVSSEIYQWVRDELKRAGISQAVFARVAFNRTQGLLSEILRKEEDPKTASQSLLVNLRAMQ NFLQLPEAERDRIYQDERERSLRKRK 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000000111

>DM\_train2769 AEKCFDHAAGTSYVVGETWEKPYQGWMMVDCTCLGEGSGRITCTSRNRCNDQDTRTSYRIGDTWS KKDNRGNLLQCICTGNGRGEWKCERHTS 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000000111

>DM\_train2770 APDTQDCPECTLQENPFFSQPGAPILQCMGCCFSRAYPTPLRSKKTMLVQKNVTSESTCCVAKSYNR VTVMGGFKVENHTACHCSTCYYHKS 111110000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000

>DM\_train2771 ISEFGSEPIDPSKLEFARALYDFVPENPEMEVALKKGDLMAILSKKDPLGRDSDWWKVRTKNGNIGYIP YNYIEIIKRRKKIEHVDDETRTH 111111111100000000000000000000000000000000000000000000000000000000000000000 00001111111111111

>DM\_train2772 WKDKEFQVLFVLTILTLISGTIFYSTVEGLRPIDALYFSVVTLTTVGDGNFSPQTDFGKIFTILYIFIGIGLVF GFIHKLAVNVQLPSILSN 111100000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000

>DM\_train2773 MSTISRDSCPALRAGVRLQHDRARDQWVLLAPERVVELDDIALVVAQRYDGTQSLAQIAQTLAAEF DADASEIETDVIELTTTLHQKRLLRL 110000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000000

>DM\_train2774 KNTGDEVVAIISQNGKVIREIPLTGHKGNEQFTIKGKGAQYNLMEVDGERIRIKEDNSPDQVGVKMG WKSKAGDTIVCLPHKVFVEIKSTQK 111000000000000000000000000000000000000000000000000000000000000000000000000 00000000000000011

>DM\_train2775 MPLVGFMKEKKRATFYLYKNIDGRKLRYLLHKLENVENVDIDTLRRAIEAEKKYKRSITLTEEEEVIIQRLG KSANLLLNCELVKLDEGERA 111110000000000000000000000000000000000000000000000000000000000000000000000

00000000000011111

>DM\_train2776 SNAMVKETKLYDLLGVSPSANEQELKKGYRKAALKYHPDKPTGDTEKFKEISEAFEILNDPQKREIYDQ YGLEAARSGGPSFGPGGPGGAGG 111000000000000000000000000000000000000000000000000000000000000000000000000 00000000011111111

>DM\_train2777 MSKMLYRVELIITNKEGVRDPEGETIQRYVVSRFSDKIIETRAGKYLVFRVNSSSQQEATELVKKLADEM RLYNPIVHKIEIRANRIEDSSN 111000000000000000000000000000000000000000000000000000000000000000000000000 00000000000001111

>DM\_train2778 SASDFEERVVTIPLRDARAEPNHKRADKAMILIREHLAKHFSVDEDAVRLDPSINEAAWARGRANTPS KIRVRAARFEEEGEAIVEAETAE 111111000000000000000000000000000000000000000000000000000000000000000000000 0000000000000111

>DM\_train2779 MAKNTSCGVQLRIRGKVQGVGFRPFVWQLAQQLNLHGDVCNDGDGVEVRLREDPETFLVQLYQH CPPLARIDSVEREPFIWSQLPTEFTIR 111000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000000

>DM\_train2780 GSHMDINNKARIHWACRRGMRELDISIMPFFEHEYDSLSDDEKRIFIRLLECDDPDLFNWLMNHGKP ADAELEMMVRLIQTRNRERGPVAI 111000000000000000000000000000000000000000000000000000000000000000000000000 0000000000000001

>DM\_train2781 AHHHHHHENLYFQAGSTTLKLLRKEIDKIDNQIISLLKKRLEIAQAIGKIKKELNLPIEDRKREEEVLRRAG EFREIFEKILEVSKDVQRL 111111111111110000000000000000000000000000000000000000000000000000000000000 0000000000000001

>DM\_train2782 SNAMKAIITVVGKDKSGIVAGVSGKIAELGLNIDDISQTVLDEYFTMMAVVSSDEKQDFTYLRNEFEAF GQTLNVKINIQSAAIFEAMYNI 110000000000000000000000000000000000000000000000000000000000000000000000000 0000000000011111

>DM\_train2783 LNSAPTPRDVVANAPAPVQAAVAGAQEYAAQAGLNTEELAVDALYNAIKVRLAGTGLGIPPQIEAFY QANRTNFNGFYMANRGAIDFIFSM 000000000000000000000000000000000000000000000000000000111000000000000000000 0000000000000001

>DM\_train2784 MEIMDEIKVNLQKEVSLEEAERYAKNIASKYGDGILLSVHDSKTGYRAPEVYCCGEKPWEVYACNRGA NLKISVNQFEFYFRIEVEGQAKY

110000000000000000000000000000000000000000000000000000000000000000000000000 0000000000001111

>DM\_train2785 MNKKELIDRVAKKAGAKKKDVKLILDTILETITEALAKGEKVQIVGFGSFEVRKAAARKGVNPQTRKPITI PERKVPKFKPGKALKEKVK 000000000000000000000000000000000000000000000000000011111111111111111111111 000000000000000

>DM\_train2786 MAVTYEKTFEIEIINELSASVYNRVLNYVLNHELNKNDSQLLEVNLLNQLKLAKRVNLFDYSLEELQAV HEYWRSMNRYSKQVLNKEKVA 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000001111

>DM\_train2787 MQKEQLSALMDGETLDSELLNELAHNPEMQKTWESYHLIRDSMRGDTPEVLHFDISSRVMAAIEEEP VRQPATLIPEAQPAPHQWQKMPF 000000000000000000000000000000000000000000000000000000000000000011111111111 111111111111111

>DM\_train2788 VELLQVDADLQAEIVGKYNADLQKAVQIEEKKASEIATEAVKEHVTAEYEERYAEHEEHDRIMRDVAEI LEQMEHAEVRRLITEDKVRPD 111100000000000000000000000000000000000000000000000000000000000000000000000 000000011111111

>DM\_train2789 DVITVYKDCNYTGFSGGLTIGDYNLARLNSLGVLNDDISSLRITQGYQAILYQDDNFGGASTVINSDN SCLNTTWNDKVSSIRVIANGTT 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000001111

>DM\_train2790 MGKRLYAVAYDIPDDTRRVKLANLLKSYGERVQLSVFECYLDERLLEDLRRRARRLLDLGQDALRIYPV AGQVEVLGVGPLPELREVQVL 100000000000000000000000000000000000000000000000000000000000000000000000000 000000001111111

>DM\_train2791 QFSDMRISINQTPGKSLDFGFTIKWDIPGIFVASVEAGSPAEFSQLQVDDEIIAINNTKFSYNDSKEWEE AMAKAQETGHLVMDVRRYGK 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000000001

>DM\_train2792 SNAEEKVVAEQQADGTWLMDGWISIRKASNLLEHDLVDEAERYSTLGGYLLWQFGYIPAAGEQITVD GLIFEIVSVNKHNIGKVRVHRTQ 111100000000000000000000000000000000011000000000000000000000000000000000000 000000000000001

>DM\_train2793 DEVENLYTQVADNEYLVQGRMLIDEFNEVFETDLHMSDVDTMAGYLITALGTIPDEGEKPSFEVGNIK

LTAEEMEGTRLLVLRVHFYDEE 111100000000000000000000000000000000000000000000000000000000000000000000000 000000000000011

>DM\_train2794 MNLEMLESQPVPEIDTLREEIDRLDAEILALVKRRAEVSKAIGKARMASGGTRLVHSREMKVIERYSELG PDGKDLAILLLRLGRGRLGH 111111111111000000000000000000000000000000000000000000000000000000000000000 000000000000001

>DM\_train2795 AELKEFLNKPAATSDVPPAPAGFDFDAAKKLVDVRCNKCHTLDSVADLFRTKYKKTGQVNLIVKRMQ GFPGSGISDDDAKTIGIWLHEKF 111111111111100000000000000000000000000000000000000000000000000000000000000 000000000000000

>DM\_train2796 VKVKVKYFARFRQLAGVDEEEIELPEGARVRDLIEEIKKRHEKFKEEVFGEGYDEDADVNIAVNGRYVS WDEELKDGDVVGVFPPVSGG 000000000000000000000000000000000000000000000000000000000000000000000000000 00000000000011

>DM\_train2797 GPLGSQVRVKAYYRGDIMITHFEPSISFEGLCNEVRDMCSFDNEQLFTMKWIDEEGDPCTVSSQLELE EAFRLYELNKDSELLIHVFPC 111110000000000000000000000000000000000000000000000000000000000000000000000 00000000000001

>DM\_train2799 GSAQLLKSVFVKNVGWATQLTSGAVWVQFNDGSQLVMQAGVSSISYTSPDGQTTRYGENEKLPEYI KQKLQLLSSILLMFSNPTPVFQ 111111100000000000000000000000000000000000000000000000000000000000000000000 0000000111111

>DM\_train2801 MSDAFTDVAKMKKIKEEIKAHEGQVVEMTLENGRKRQKNRLGKLIEVYPSLFIVEFGDVEGDKQVNVY VESFTYSDILTEKNLIHYLD 000000000000000000000000000000011111100000000000000000000000000000000000000 0000000000000

>DM\_train2802 GAMVLSQRQRDELNRAIADYLRSNGYEEAYSVFKKEAELDMNEELDKKYAGLLEKKWTSVIRLQKKV MELESKLNEAKEEFTSGGPLG 111000000000000000000000000000000000000000000000000000000000000000000000000 0011111111111

>DM\_train2803 LSSNSSMNPKSLTDPKLLKNIPMWLKSLRLHKYSDALSGTPWIELIYLDDETLEKKGVLALGARRKLLKA FGIVIDYKERDLIDRSAY 111110000000000000000000000000000000000000000000000000000000000000000000000 0000000000000

>DM\_train2804

NPWWAAFSRVCKDMNLTLEPEIMPAAGDNRYIRAVGVPALGFSPMNRTPVLLHDHDERLHEAVFLR GVDIYTRLLPALASVPALPSDS 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000000111

>DM\_train2806 MPICKEEKQKVIQEFARFPGDTGSTEVQVALLTLRINRLSEHLKVHKKDHHSHRGLLMMVGQRRRLLR YLQREDPERYRALIEKLGI 111000000000000000000000000000000000000000000000000000000000000000000000000 000000000000

>DM\_train2807 QLTQKNKSADGLVFNVVTQDMINKSTKPYRGHRFTKENVRILESWFAKNIENPYLDTKGLENLMKNT SLSRIQIKNWVSNRRRKEKT 111111111100000000000000000000000000000000000000000000000000000000000000000 000000000000

>DM\_train2808 GTGAESTAERSARFERDALEFLDQMYSAALRMTRNPADAEDLVQETYAKAYASFHQFREGTNLKAW LYRILTNTFINSYRKKQREPQ 111110000000000000000000000000000000000000000000000000000000000000000000000 000001111111

>DM\_train2809 VKSKAKKTVDKHSDEYKIRRERNNIAVRKSRDKAKMRNLETQHKVLELTAENERLQKKVEQLSRELSTL RNLFKQLPEPLLASSGHC 111111111000000000000000000000000000000000000000000000000000000000000000000 111111111111

>DM\_train2810 MPYTVRFTTTARRDLHKLPPRILAAVVEFAFGDLSREPLRVGKPLRRELAGTFSARRGTYRLLYRIDDEH TTVVILRVDHRADIYRR 100000000000000000000000000000000000000000000000000000000000000000000000000 000000111111

>DM\_train2811 GAMEPQVTLNVTFKNEIQSFLVSDPENTTWADIEAMVKVSFDLNTIQIKYLDEENEEVSINSQGEYEEA LKMAVKQGNQLQMQVHEG 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000000

>DM\_train2812 SNAMKVTDVRLRKIQTDGRMKALVSITLDEAFVIHDLRVIEGNSGLFVAMPSKRTPDGEFRDIAHPINS DMRQEIQDAVMKVYDETD 110000000000000000000000000000000000000000000000000000000000000000000000000 000000000000

>DM\_train2813 MSLDCRERIEKDLELLEKNLMEMKSIKLSDDEEAVVERALNYRDDSVYYLEKGDHITSFGCITYAHGLLD SLRMLHRIIEGHHHHHH 111100000000000000000000000000000000000000000000000000000000000000000000000 000001111111

>DM\_train2814 AADAPAQLDPAGEKLYRSACVVCHASGVANAPKLGDKQAWAPFLAQGADALLATVLKGKGAMPP RGGTAADEATLRAAVAYMMDAAR 111111000000000000000000000000000000000000000000000000000000000000000000000 000000000000

>DM\_train2815 ADGKAIFQQKGCGSCHQANVDTVGPSLKKIAQAYAGKEDQLIKFLKGEAPAIVDPAKEAIMKPQLTM LKGLSDAELKALADFILSHK 000000000000000000000000000000000000000000000000000000000000000000000000000 000000000001

>DM\_train2817 ASCFALISGTANQVKCYRFRVKKNHRHRYENCTTTWFTVADNGAERQGQAQILITFGSPSQRQDFLK HVPLPPGMNISGFTASLDF 000000000000000000000000000000000000011111111111100000000000000000000000000 00000000000

>DM\_train2818 MSRVQMDTEEVREFVGHLERFKELLREEVNSLSNHFHNLESWRDARRDKFSEVLDNLKSTFNEFDEA AQEQIAWLKERIRVLEEDY 111100000000000000000000000000000000000000000000000000000000000000000000000 00000000000

>DM\_train2819 MVRVPLTAEELERGQRLGELLRSARGDMSMVTVAFDAGISVETLRKIETGRIATPAFFTIAAVARVLDLS LDDVAAVVTFGPVSTS 111100000000000000000000000000000000000000000000000000000000000000000000000 00000000011

>DM\_train2820 SNAMRRNEDSWLIDGATPLEDVMRALNIHTFPRDENYETIGGFMMYMLRKIPKKTDFVLYDKYKFEII DTENFRIDQLMVSFRKDV 111111110000000000000000000000000000000000000000000000000000000000000000000 00000000001

>DM\_train2821 MVRVDQNLFNEVMYLLDELSQDITVPKNVRKVAQDSKAKLSQENESLDLRCATVLSMLDEMANDP NVPAHGRTDLYTIISKLEALS 100000000000000000000000000000000000000000000000000000000000000000000000000 00000000000

>DM\_train2822 GAGQSSPATGSQNQSGNTGSIINNYYMQQYQNSMDTQLGNDAISGGSNEGSTDTTSTHTTNTQN NDWFSKLASSAFSGLFGALLA 111111111111110000000000000000000000000111111111111111111111111100000000000 0000000000

>DM\_train2823 PQYQTWEEFSRAAEKLYLADPMKARVVLKYRHSDGNLCVKVTDDLVCLVYKTDQAQDVKKIEKFHS QLMRLMVAKEARNVTMETE 111000000000000000000000000000000000000000000000000000000000000000000000001

1111111111

>DM\_train2824 AEDIQAKIKNYQTAPFDSRFPNQNQTRNCWQNYLDFHRCEKAMTAKGGDVSVCEWYRRVYKSLCP ISWVSTWDDRRAEGTFPGKI 111111111100000000000000000000000000000000000000000000000000000000000000000 0000000000

>DM\_train2825 SGGSGAGGGELFATHCAGCHPQGGNTVHPEKTLARARREANGIRTVRDVAAYIRNPGPGMPAFGE AMIPPADALKIGEYVVASFP 111111000000000000000000000000000000000000000000000000000000000000000000000 0000000000

>DM\_train2826 VKTPGTRYVTHKQLDEKLKNFVTKTEFKEFQTVVMESFAVQNQNIDAQGEQIKELQVEQKAQGKTLQ LILEALQGINKRLDNLES 111110000000000000000000000000000000000000000000000000000000000000000000000 0000000000

>DM\_train2827 ASAAKGDHGGTGARTWRFLTFGLALPSVALCTLNSWLHSGHRERPAFIPYHHLRIRTKPFSWGDGNH TFFHNPRVNPLPTGYEKP 000000000000000000000000000000000000000000000000000000000000000000000000000 0000000001

>DM\_train2828 MGKLPESPKRAEEIWQQSVIGDYLARFKNDRVKALKAMEMTWNNMEKKEKLMWIKKAAEDQKRYE RELSEMRAPPAATNSSKKLE 111000000000000000000000000000000000000000000000000000000000000000000111111 1111111111

>DM\_train2829 GSHMSTGDFLTKGIELVQKAIDLDTATQYEEAYTAYYNGLDYLMLALKYEKNPKSKDLIRAKFTEYLNR AEQLKKHLESEEANAA 100000000000000000000000000000000000000000000000000000000000000000000000000 0000000011

>DM\_train2830 ALLITKKCINCDMCEPECPNEAISMGDHIYEINSDKCTECVGHYETPTCQKVCPIPNTIVKDPAHVETEE QLWDKFVLMHHADKI 000000000000000000000000000000000000000000000000000000000000000000000000000 0000011111

>DM\_train2831 IRVNVLYSTPACYLWELNKANLSWSVKKDDFFPYADGPYMFWTGYFSSRPALKRYERLSYNFLQVCN QLEALAGPAANVGPYGS 000000000000000000000000000000000000000000000000000000000000000000000000000 111111111

>DM\_train2832 MTNLSDIIEKETGKQLVIQESILMLPEEVEEVIGNKPESDILVHTAYDESTDENVMLLTSDAPEYKPWAL VIQDSNGENKIKML

111111111111110000000000000000000000000000000000000000000000000000000000000 000000000

>DM\_train2833 KPEFDPILLRPVDDLELTVRSANCLKAEAIHYIGDLVQRTEVELLKTPNLGKKSLTEIKDVLASRGLSLGM RLENWPPASIADE 111100000000000000000000000000000000000000000000000000000000000000000011111 111111111

>DM\_train2834 SWDVIKHPHVTEKAMNDMDFQNKLQFAVDDRASKGEVADAVEEQYDVTVEQVNTQNTMDGEKK AVVRLSEDDDAQEVASRIGVF 000000000000000000000000000000000000000000000000000000000000000000000000000 000111111

>DM\_train2835 CEVDALKGTNESLERQMREMEENFAVEAANYQDTIGRLQDEIQNMKEEMARHLREYQDLLNVKMA LDIEIATYRKLLEGEESRI 111111111000000000000000000000000000000000000000000000000000000000000000000 000011111

>DM\_train2837 MTKTLRTPEHVYLCQRLRQARLDAGLTQADLAERLDKPQSFVAKVETRERRLDVIEFAKWMAACEGL DVVSEIVATIAEGRAQA 111110000000000000000000000000000000000000000000000000000000000000000000000 000000011

>DM\_train2838 MYKVKVYVSLKESVLDPQGSAVQHALHSMTYNEVQDVRIGKYMELTIEKSDRDLDVLVKEMCEKLLA NTVIEDYRYEVEEVVAQ 000000000000000000000000000000000000000000000000000000000000000000000000000 000001111

>DM\_train2839 MSAFPVHAAFEKDFLVQLVVVDLNDSMDQVAEKVAYHCVNRRVAPREGVMRVRKHRSTELFPRDM TIAESGLNPTEVIDVVFEE 100000000000000000000000000000000000000000000000000000000000000000000000000 000000000

>DM\_train2841 MSYEKEFLKDFEDWVKTQIQVNQLAMATSQEVAQEDGDERAKDAFIRYESKLDAYEFLLGKFDNYKN GKAFHDIPDELFGARHY 000000000000000000000000000000000111100000000000000000000000000000000000000 001111111

>DM\_train2842 MKLIWSEESWDDYLYWQETDKRIVKKINELIKDTRRTPFEGKGKPEPLKHNLSGFWSRRITEEHRLVYA VTDDSLLIAACRYHY 000000000000000000000000000000000000000000000000000000000000000000000000000 000000001

>DM\_train2843 GAMATDWLGSIVSINCGDSLGVYQGRVSAVDQVSQTISLTRPFHNGVKCLVPEVTFRAGDITELKILEI

PGPGDNQHFGDLHQT 111100000000000000000000000000000000000000000000000000000000000000000000000 011111111

>DM\_train2844 MRGSHHHHHHGSDETGKELVLALYDYQEKSPREVTMKKGDILTLLNSTNKDWWKVEVNDRQGFVP AAYVKKLAAAWSHPQFEK 111111111111111100000000000000000000000000000000000000000000000000000000000 00000000

>DM\_train2846 MSAEGYQYRALYDYKKEREEDIDLHLGDILTVNKGSLVALGFSDGQEARPEEIGWLNGYNETTGERGD FPGTYVEYIGRKKIS 100000000000000000000000000000000000000000000000000000000000000000000000000 00000001

>DM\_train2847 PLTASMLASAPPQEQKQMLGERLFPLIQAMHPTLAGKITGMLLEIDNSELLHMLESPESLRSKVDEAV AVLQAHQAKEAAQKA 111111111000000000000000000000000000000000000000000000000000000000000000000 00001111

>DM\_train2848 PESSENKNLGGVTQESFDLMIKENPSSQYWKEVAEKRRKALYEALKENEKLHKEIEQKDNEIARLKKEN KELAEVAEHVQYMA 111111111111111111111100000000000000000000000000000000000000000000000000000 00000000

>DM\_train2849 SCELYHYQECVRGTTVILKEPCPSGTYEGNSPFHPLADNKFALTCTSTHFAFACADGTRHTYQLRARS VSPKLFIRQEEVQQE 100000000000000000000000000000000000000000000000000000000000000000000111111 11111111

>DM\_train2850 MGSDKIHHHHHHMKMRSQLLIVLQEHLRNSGLTQFKAAELLGVTQPRVSDLMRGKIDLFSLESLIDMI TSIGLKVEINIKDAA 111110000000000000000000000000000000000000000000000000000000000000000000000 00000011

>DM\_train2851 MGSLPCDICKDVVTAAGDMLKDNATEEEILVYLEKTCDWLPKPNMSASCKEIVDSYLPVILDIIKGEMS RPGEVCSALNLCES 100000000000000000000000000000000000000000000000000000000000000000000000000 00000000

>DM\_train2852 SNAIRSIWENNGFGLMSSKTMTDFDYWISDFEKIGASQKEAEQLIVKAIEIAIDANARNYNYINAILKD WEQRGFKSVEEREA 000000000000000000000000000000000000000000000000000000000000000000000000000 00111111

>DM\_train2853

MQRFNPLSKLKRALMDAFVKIDSASHMIVLKTMPGNAQAIGALMDNLDWDEMMGTICGDDTILIIC RTPEDTEGVKNRLLELL 111100000000000000000000000000000000000000000000000000000000000000000000000 00000000

>DM\_train2854 DSTTKELIKKLAEINKCENEISAKYCDHMIHEEIPLKTCTKEKTRNLCCAVSDYCMSYFTYDSEEYYDCTK REFDDPSYTCFR 100000000000000000000000000000011100000000000000000000000000000000000000000 00000000

>DM\_train2855 MASAIVLINTDAGGEDEVFERLKSMSEVTEVHVVYGVYDIVVKVEADSMDKLKDFVTNTIRKLPKVRST LTMIIVEGKSLVKK 100000000000000000000000000000000000000000000000000000000000000000000000000 00000001

>DM\_train2857 QSRGEKRTAHNAIEKRYRSSINDKIIELKDLVVGTEAKLNKSAVLRKAIDYIRFLQHSNQKLKQENLSLRT AVHKSKSLKDL 000000000000000000000000000000000000000000000000000000000000000000000000000 0111111

>DM\_train2858 GRTNLIVNYLPQNMTQDELRSLFSSIGEVESAKLIRDKVAGHSLGYGFVNYVTAKDAERAINTLNGLRL QSKTIKVSYARPS 000000000000000000000000000000000000111111000000000000000000000000000000000 0000001

>DM\_train2859 KTPLVNESLKKFLNTKDGRLVASLVAEFLQFFNLDFTLAVFQPETSTLQGLEGRENLARDLGIIEAEGTV GGPLLLEVIRRW 111100000000000000000000000000000000000000000001110000000000000000000000000 0000000

>DM\_train2860 SSSGKPGPTVIKVQNMPFTVSIDEILDFFYGYQVIPGSVCLKYNEKGMPTGEAMVAFESRDEATAAVID LNDRPIGSRKVKL 111111110000000000000000000000000000000000000000000000000000000000000000000 0000000

>DM\_train2861 STSLPTSNEYQNEKLANELKSLLDELNVNELATGSLNTYYKRTIKISGQKAMYALKSKDFKKMSEAKYQ LQKIYNEIDEALK 111111110000000000000000000000000000000000000000000000000000000000000000000 0000000

>DM\_train2862 KGMTPPKTVNFKMKGVADAAFSHEFHLGMYKCNECHTKLFAYKAGAKRFTMADMDKGKSCGACH NGKDAFSSASDCGKCHPG 000000000000000000000000000000000000000000000000000000000000000000000000000 0000001

>DM\_train2863 GPLGSPEFGYWITCCPTCDVDINTWVPFYSTELNKPAMIYCSHGDGHWVHAQCMDLEERTLIHLSEG SNKYYCNEHVQIARA 111111110000000000000000000000000000000000000000000000000000000000000000000 0000000

>DM\_train2864 MFPAQEEADRTVFVGNLEARVREEILYELFLQAGPLTKVTICKDREGKPKSFGFVCFKHPESVSYAIALL NGIRLYGRPINV 111100000000000000000000000000000000000000000000000000000000000000000000000 0000000

>DM\_train2865 REVKEVDLRGLTVAEALLEVDQALEEARALGLSTLRLLHGKGTGALRQAIREALRRDKRVESFADAPPG EGGHGVTVVALRP 110000000000000000000000000000000000000000000000000000000000000000000000000 0000000

>DM\_train2866 TGTSEMAPALVAAFGGKENITNLDACITRLRVSVADVSKVDQAGLKKLGAAGVVVAGSGVQAIFGTK SDNLKTEMDEYIRNH 000000000000000000000000000000000000000000000000000000000000000000000000000 0000001

>DM\_train2867 ELITVHIVKGPMGFGFTIADSPGGGGQRVKQIVDSPRSRGLKEGDLIVEVNKKNVQALTHNQVVDML VESPKGSEVTLLVQR 000000000000000000000000000000000011000000000000000000000000000000000000000 0000000

>DM\_train2869 GSHMLSIYQDQEQRILKFLEELGEGKATTAHDLSGKLGTPKKEINRVLYSLAKKGKLQKEAGTPPLWKIA VSTQAWNQHSG 111111100000000000000000000000000000000000000000000000000000000000000011111 111111

>DM\_train2870 MNREGAPGKSPEEMYIQQKVRVLLMLRKMGSNLTASEEEFLRTYAGVVNSQLSQLPPHSIDQGAED VVMAFSRSETEDRRQ 111111110000000000000000000000000000000000000000000000111110000000000000000 000111

>DM\_train2871 GRQFGHLTRVRHVITYSLSPFEQRAFPHYFSKGIPNVLRRTRACILRVAPPFVAFYLVYTWGTQEFEKSK RKNPAAYENDR 000000000000000000000000000000000000000000000000000000000000000000000000000 111111

>DM\_train2872 PSKTSNTIRVFLPNKQRTVVNVRNGMSLHDCLMKALKVRGLQPECCAVFRLLHEHKGKKARLDWNT DAASLIGEELQVDFL 111110000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train2873 MRITIYTRNDCVQCHATKRAMENRGFDFEMINVDRVPEAAEALRAQGFRQLPVVIAGDLSWSGFRP DMINRLHPAPHAASA 000000000000000000000000000000000000000000000000000000000000000000000000000 011111

>DM\_train2874 TTPIVHLKGDANTLKCLRYRFKKHCTLYTAVSSTWHWTGHNVKHKSAIVTLTYDSEWQRDQFLSQVK IPKTITVSTGFMSI 000000000000000000000000000000000000001111111100000000000000000000000000000 000000

>DM\_train2875 MDAIKKKMQMLKLDKENALDRAEQAEADKKAAEERSKQLEDELVALQKKLKGTEDELDKYSESLKDA QEKLELADKKATDC 000000000000000000000000000000000000000000000000000000000000000000000000000 001111

>DM\_train2876 GAMAEAEAEVTLRELQEALEEEVLTRQSLSREMEAIRTDNQNFASQLREAEARNRDLEAHVRQLQER MELLQAEGATAVTG 111111110000000000000000000000000000000000000000000000000000000000000001111 111111

>DM\_train2877 MEKTRVNGTDRPPISSWSVDDVSNFIRELPGCQDYVDDFIQQEIDGQALLLLKEKHLVNAMGMKLG PARKIVAKVESIKEV 111111111111000000000000000000000000000000000000000000000000000000000000000 000111

>DM\_train2878 GSMDYKDDDDKKTNWLKRIYRVRPCVKCKVAPRDWKVKNKHLRIYNMCKTCFNNSIDIGDDTYHG HVDWLMYADSKEISNT 111111000000000000000000000000000000000000000000000000000000000000000000000 111111

>DM\_train2879 SRSTHNEMEKNRRAHLRLSLEKLKGLVPLGPDSSRHTTLSLLTKAKLHIKKLEDSDRKAVHQIDQLQRE QRHLKRQLEKL 000000000000000000000000000000000000000000000000000000000000000000000000000 00111

>DM\_train2880 DSQWGSGKNLYDKVCGHCHKPEVGVGPVLEGRGLPEAYIKDIVRNGFRAMPAFPASYVDDESLTQV AEYLSSLPAPAAQP 000000000000000000000000000000000000000000000000000000000000000000000000001 11111

>DM\_train2881 GSYHADPSLVSFLTGLGCPNCIEYFTSQGLQSIYHLQNLTIEDLGALKIPEQYRMTIWRGLQDLKQGH DYSTAQQLLRSS

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>DM\_train2882 KERPEISLPSDFEHTIHVGFDAVTGEFTGMPEQWARLLQTSNITKSEQKKNPQAVLDVLEFYNSKKTSN SQKYMSFTDKS 111111110000000000000000000000000000000000000000000000000000000000000000000 00000

>DM\_train2883 MCLSIPSQVVAVDNERQSVTVDTLGVRRDVSSHLMTEPLAIGDYVLIHIGFVMNKIDRNDALQSLELY QEIVSKLENETT 000000000000000000000000000000000000000000000000000000000000000000000000000 01111

>DM\_train2884 AIDTYEFASDAERERFRNLTQELRCPKCQNQDIADSNAPIAADLRKQIYGQLQQGKSDGEIVDYMVA RYGDFVRYKPPVN 000000000000000000000000000000000000000000000000000000000000000000000000000 00011

>DM\_train2885 AVYGIDAMNPSSRDDFTEFGKLLKDKITQYEKSLYYASFLEVLVRDVCISLEIDDLKKITNSLTVLCSEKQ KQEKQSKAK 111000000000000000000000000000000000000000000000000000000000000000000000111 11111

>DM\_train2886 MEPVSKWSPSQVVDWMKGLDDCLQQYIKNFEREKISGDQLLRITHQELEDLGVSRIGHQELILEAVDL LCALNYGLETEN 100000000000000000000000000000000000000000000000000000000000000000000000000 01111

>DM\_train2887 RPAIRKRLLKPKVLDSSPRALVGHRAEVLEDVGATSGQVRLDGSIWSARSMDPTHTFAEGEIVSVIDIQ GTTAIVWKEA 111111111111111100000000000000000000000000000000000000000000000000000000000 0000

>DM\_train2888 PTVVDQIRLWQLELDRVITYEGSLYSDFETSQEYNLLSKYAQDIGVLLWKDDKKKKFFISKEGNSQVLD FAKRKLKKKQ 111111111111000000000000000000000000000000000000000000000000000000000000001 1111

>DM\_train2889 MITIDALGQVCPIPVIRAKKALAELGEAGGVVTVLVDNDISRQNLQKMAEGMGYQSEYLEKDNGVIEV TIVAGEGCAVE 000000000000000000000000000000000000000000000000000000000000000000000000001 1111

>DM\_train2890 TDFLAGIRIVGEDKNGMTNQITGVISKFDTNIRTIVLNAKDGIFTCNLMIFVKNTDKLTTLMDKLRKVQ

GVFTVERLSN 000000000000000000000000000000000000000000000000000000000000000000000000000 0011

>DM\_train2891 IPLEQGIEFLSVNVEEDSPVVGKKLKDLPLPRDSIIAAIVRGGVLVVPRGDTEILSGDKLYVIVSAEAKETV EETLLGR 000000000000000000000000000000000000000000000000000000000000000000000000000 0011

>DM\_train2892 MKIPIEELEDRVFVNCNTSITWVEGTVGTLLSDITRLDLGKRILDPRGIYRCNGTDIYKDKESTVQVHYR MCQSCVELD 100000000000000000000000000000000000000000000000000001111111100000000000111 1111

>DM\_train2893 MLQCYNCPNPTADCKTAVNCSSDFDACLITKAGLQVYNKCWKFEHCNFNDVTTRLRENELTYYCCK KDLCNFNEQLENG 000000000000000000000000000000000000000000000000000000000000000000000000000 0001

>DM\_train2894 KVTLVKSRKNEEYGLRLASHIFVKEISQDSLAARDGNIQEGDVVLKINGTVTENMSLTDAKTLIERSKGK LKMVVQRDE 000000000000000000000000000000000000000000000000000000000000000000000000000 0011

>DM\_train2895 MNAIDIAINKLGSVSALAASLGVRQSAISNWRARGRVPAERCIDIERVTNGAVICRELRPDVFGASPAG HRPEASNAAA 000000000000000000000000000000000000000000000000000000000000000111111111111 1111

>DM\_train2896 MTVATDNNPTPEAVADLKKKVRKLNSKAGQMKMDLHDLAEGLPTDYENLVETAEKTYEIFRELDQLK KKLNIWEETLK 111111111111110000000000000000000000000000000000000000000000000000000000000 111

>DM\_train2897 MHEQLSPRDQELEARLVELETRLSFQEQALTELSEALADARLTGARNAELIRHLLEDLGKVRSTLFADA ADEPPPPHY 111111100000000000000000000000000000000000000000000000000011111111111111111 111

>DM\_train2898 MEEAKQKVVDFLNSKSGSKSKFYFNDFTDLFPDMKQREVKKILTALVNDEVLEYWSSGSTTMYGLKG AGKQAAAEHED 000000000000000000000000000000000000000000000000000000000000000000000000001 111

>DM\_train2899

GHMLIPHDLLEADTLNNLLEDFVTREGTDNGDETPLDVRVERARHALRRGEAVILFDPESQQCQLML RSEVPAELLRD 000000000000000000000000011111110000000000000000000000000000000000000000000 000

>DM\_train2900 GSMWIQVRTMDGRQTHTVDSLSRLTKVEELRRKIQELFHVEPGLQRLFYRGKQMEDGHTLFDYEVRL NDTIQLLVRQS 000000000000000000000000000000000000000000000000000000000000000000000000001 111

>DM\_train2901 MKTDGEFVSEHLMELITQQNLTINRVATLAGLNQSTVNAMFEGRSKRPTITTIRKVCGTLGISVHDFFD FPPYNEVEK 000000000000000000000000000000000000000000000000000000000000000000000000000 011

>DM\_train2902 MLMVVPLSEMGPGDKGIVVNILGGHNARQKLVSMGLTPGATIQVLESHPMGPIIISVGGVRFAIGKGL AGRVMVRKL 100000000000000000000011100000000000000000000000000000000000000000000000000

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>DM\_train2903 MKYCKFCCKAVTGVKLIHVPKCAIKRKLWEQSLGCSLGENSQICDTHFNDSQWKAAPAKGQTFKRRR LNADAVPSKV 000000000000000000000000000000000000000000000000000000001100000000000000000

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>DM\_train2904 ALGKLQDVVNQNAQALNTLVKQLSSNFGAISSVLNDISGGRGGDISGINASVVNIQKEIDRLNEVAK NLNESLIDLQ 000000000000000000000000000000000000000000000000000000000000000000000000000

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>DM\_train2905 YTNSDFVVIKALEDGVNVIGLTRGADTRFHHSEKLDKGEVLIAQFTEHTSAIKVRGKAYIQTRHGVIESE GKKAAAM 111000000000000000000000000000000000000000000000000000000000000000111111111

11

>DM\_train2906 QAKEPCVESLVSQYFQTVTDYGKDLMEKVKSPELQAEAKSYFEKSKEQLTPLIKKAGTELVNFLSYFVEL GTQPATQ 111000110000001000000000000000000000000000000000000000000000000000000000000

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>DM\_train2907 AMDPEFMGREVENLILENTQLLETKNALNIVKNDLIAKVDELTCEKDVLQGELEAVKQAKLKLEEKNRE LEEELRKA 111110000000000000000000000000000000000000000000000000000000000000011111111

11

>DM\_train2908 MPMISCDMRYGRTDEQKRALSAGLLRVISEATGEPRENIFFVIREGSGINFVQHGEHLPDYVPGNAND KALIAKLK 100000000000000000000000000000000000000000000000000000000000000111111111111

1

>DM\_train2909 RFYVKDHRNKAMINLHIQKDNPKIVHAFDMEDLGDKAVYCRCWRSKKFPFCDGAHTKHNEETGDN VGPLIIKKKET 000000000000000000000000000000000000000000000000000000000000000000000000111

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>DM\_train2910 MKLYFNGGKKKKIRAVDFVGTIAKIDGVSADDIGIITIMDNASYVEILNGKGPHVLKVMKNTTVKGKQL KVNKANK 000000000011110000000000000000000000000000000000000000000000000011100000000

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>DM\_train2911 MQPDALNVPSTCCFTFSSKKISLQRLKSYVITTSRCPQKAVIFRTKLGKEICADPKEKWVQNYMKHLGR KAHTLKT 111000000000000000000000000000000000000000000000000000000000000000001111111

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>DM\_train2912 MEKKALTLAERQRLIVEGLPHVSATLARRLLKHFGSVERVFTASVAELMKVEGIGEKIAKEIRRVITAPYIE DEE 111100000000000000000000000000000000000000000000000000000000000000000000111 >DM\_train2913 NECVSKGFGCLPQSDCPQEARLSYGGCSTVCCDLSKLTGCKGKGGECNPLDRQCKELQAESASCGK GQKCCVWLH 000000000000000000000000000000000000000000000000000000000000000000000000001 >DM\_train2914 MRVEALGKVAPLPQAQTPVSLNEASLEELMALPGIGPVLARRIVEGRPYARVEDLLKVKGIGPATLERL RPYLRP 111111111100000000000000000000000000000000000000000000000000000000000000000 >DM\_train2915 VDQADDAAIQQTLAKMGIKSSDIQPAPVAGMKTVLTNSGVLYITDDGKHIIQGPMYDVSGTAPVNV TNKMLLKQL 111100000000000000000000000000000000000000000000000000000000000000000000001 >DM\_train2916 GKSNGEKKYIVGFKQGFKSCAKKEDVISEKGGKLQKCFKYVDAASATLNEKAVEELKKDPSVAYVEEDK LYRAL 11111000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2917 KVFVGRCTEDMTAEELQQFFCQYGEVVDVFIPKPFRAFAFVTFADDKVAQSLCGEDLIIKGISVHISNA EPKHN 00000000000000000000000000000000000000000000000000000000000000000000001111

>DM\_train2918 VDMSNVVKTYDLQDGSKVHVFKDGKMGMENKFGKSMNMPEGKVMETRDGTKIIMKGNEIFRLDEA LRKGHSEGG 00000000000000000000000000000000000000000000000000000000000000000011111111 >DM\_train2919 YDGTKCKAAGNCWEPKPGFPEKIAGSKYDPKHDPKELNKQADSIKQMEERNKKRVENFKKTGKFEYD VAKISAN 00000000000000000000000000000000000000000000000000000000000000000000000001 >DM\_train2920 MQSHHDHYADLVKFGQRLRELRTAKGLSQETLAFLSGLDRSYVGGVERGQRNVSLVNILKLATALDIE PRELFC 11111110000000000000000000000000000000000000000000000000000000000000000001 >DM\_train2921 MSELFSVPYFIENLKQHIEMNQSEDKIHAMNSYYRSVVSTLVQDQLTKNAVVLKRIQHLDEAYNKVKR GESKLE 11000000000000000000000000000000000000000000000000000000000000000000011111 >DM\_train2922 AVQQNKELNFKLREKQNEIFELKKIAETLRSKLEKYVDITKKLEDQNLNLQIKISDLEKKLSDANSTFKEM RFP 11000000000000000000000000000000000000000000000000000000000000001111111111 >DM\_train2923 QELRLRVQGKEKHQMLEISLSPDSPLKVLMSHYEEAMGLSGHKLSFFFDGTKLSGKELPADLGLESGDL IEVWG 11000000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2924 MSDVLIRDIPDDVLASLDAIAARLGLSRTEYIRRRLAQDAQTARVTVTAADLRRLRGAVAGLGDPELM RQAWR 1000000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2925 MAKKDGAIEVEGRVVEPLPNAMFRIELENGHKVLAHISGKMRQHYIRILPEDRVVVELSPYDLSRGRIV YRYK 1111110000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2926 KNVTLTIRLLMHGKEVGSIIGKKGESVKKMREESGARINISEGNCPERIITLAGPTNAIFKAFAMIIDKLEE

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1100000000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2927 GPLGSDLKDAEAVQKFFLEEIQLGEELLAQGDYEKGVDHLTNAIAVCGQPQQLLQVLQQTLPPPVFQ MLLTKL 1111100000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2928 GSGEGSEDDPLYDEAVRFVTESRRASISAVQRKLKIGYNRAARMIEAMEMAGVVTPMNTNGSREVIA PAPVRD 1111111100000000000000000000000000000000000000000000000000000000000001111

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110000000000000000000000000000000000000000000000000000000000000000001 >DM\_train2946 TEDVSDLPVEEQLRRLQEERTCKVCMDKEVSIVFIPCGHLVVCKDCAPSLRKCPICRSTIKGTVRTFLS 111100000000000000000000000000000000000000000000000000000000000000000 >DM\_train2947 GDSVEKIVLELSGLSCHHCVARVKKALEEAGAKVEKVDLNEAVVAGNKEDVDKYIKAVEAAGYQAKLR

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100000000000000000000000000000000000000000000000000000000000000000000 >DM\_train2948 HLNVLAKALYDNVAESPDELSFRKGDIMTVLEQDTQGLDGWWLCSLHGRQGIVPGNRLKILVGMYD KKP

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GMERGIVQYDFMAESQDELTIKSGDKVYILDDKKSKDWWMCQLVDSGKSGLVPAQFIEPV 110000000000000000000000000000000000000000000000000000000000