

=====
This version of Numbers with 63,530 Hebrew letters (22 plus 5 Finals)
is adapted from Steve Gross's transliterated Tanach,
including Torah,
which provides an English transliterated ASCII format.

See <http://www.shamash.org/tanach/tanach/text/transliterated.tanach/>

=====
HEBREW-ENGLISH LETTER EQUIVALENTS

ALEF	A
BET	B
GIMEL	G
DALET	D
HEY	H
VAV	V
ZAYIN	Z
HET	X
TET	+
YUD	Y
KAF	K
LAMED	L
MEM	M
NUN	N
SAMEH	\$
AYIN	O
PEH	P
TZADE	C
QOF	Q
RESH	R
SHIN/SIN	S
TAV	T
KAF SOFIT	k
MEM SOFIT	m
NUN SOFIT	n
PEH SOFIT	p
TZADE SOFIT	c

=====
0000000011111111122222222233333333334444444445555555556666666667777777778

1234567890123456789012345678901234567890123456789012345678901234567890

=====
VYDBRYHVHALMSHBMDBR\$YNYBAHLMVODBAXDLXDSHSNYBSNHHSNYTLCAmMARCmCRYmLAMRSVAVATRASKL
ODTBNYYSRALLMSPXTmLBYTABmBM\$PRSMVTKLZKRLGLGLTmBnOSRYmSNHVMOLHKLYCACBABYSRALTPQ
DVATmLCBATmATHVAHRnVATKmYHYVAYSAYSLM+HAYSRASLBYTABTYVHVAVALHSMVTHANSYmASRYOMDVAT
KmLRAVBnALYCVRBnSDYAVRLSMOVnSLMYALBnCVRYSDYLYHVDHNXSVnBnOMYNDBLYSSKRNTNALBnCVORL

ZBVLnALYABnXLnLBNYYV\$P LAPRYmALYSMOBnOMYHVDLMNSHGMLYALBnPDHCVRlBNYMnABYDnBnGDONY
LDnAXYOZRBnOMYSDYLASRPGOYALBnOKRnLGDALY\$P BnDOVALLNPTLYAXYROBnOYNnALHQRYAYHODHNSY
AYM+VTABVtmRASYALPYSRALHmVYQXMSHVAHRnATHANSYmHALHASRNQBVBsmVtVATKlHODHHQHYLVBAX
DLXDSHSNYYTYLdVOLMSPXtmLBYTABtmBM\$PRSMVTmBnOSRYmSNHVMOLHLGLGLtmKASRCVHYHVHATMSH
VYPQDmBMDBR\$YNYVYHYVBNYRAVBnEKRYSRALTVLDTmLMSPXtmLBYTABtmBM\$PRSMVTlGLGLtmKlZKRMB
nOSRYmSNHVMOLHLKLYCACBAPQDYHmLM+HRAVBnSSHVARBOYmALpVXMSMAVTLBNYSMOVnTVLDTmLMSPXtm
LBYTABtmPQDYVBM\$PRSMVTlGLGLtmKlZKRMBnOSRYmSNHVMOLHLKLYCACBAPQDYHmLM+HSMOVnTsoHVXm
SYmALpVSLMAVTLBNYGDTVLDTmLMSPXtmLBYTABtmBM\$PRSMVTmBnOSRYmSNHVMOLHLKLYCACBAPQDYHm
LM+HGDXMSHVARBOYmALpVSSMAVTVXMSYmLBNYHVDHTVLDTmLMSPXtmLBYTABtmBM\$PRSMVTmBnOSRYmS
NHVMOLHLKLYCACBAPQDYHmLM+HYHVDHARBOHVSOYmALpVSSMAVTLBNYSSKRTVLDTmLMSPXtmLBYTABT
mBM\$PRSMVTmBnOSRYmSNHVMOLHLKLYCACBAPQDYHmLM+HYSSKRARBOHVXMSYmALpVARBOMAVTLBNYZBVLn
TVLDTmLMSPXtmLBYTABtmBM\$PRSMVTmBnOSRYmSNHVMOLHLKLYCACBAPQDYHmLM+HZBVLnSBOHVXMSYmAL
pVARBOMAVTLBNYYV\$P LBNYAPRYmTVLDTmLMSPXtmLBYTABtmBM\$PRSMVTmBnOSRYmSNHVMOLHLKLYCACBA
PQDYHmLM+HAPRYmARBOYmALpVXMSMAVTLBNYMNSHTVLDTmLMSPXtmLBYTABtmBM\$PRSMVTmBnOSRYmSN
HVMOLHLKLYCACBAPQDYHmLM+HMNSHSNYmVLSYmALpVMATYmLBNYBNYMnTVLDTmLMSPXtmLBYTABtmBM\$
PRSMVTmBnOSRYmSNHVMOLHLKLYCACBAPQDYHmLM+HBNYMnXMSHVLSYmALpVARBOMAVTLBNYDnTVLDTmLM
SPXtmLBYTABtmBM\$PRSMVTmBnOSRYmSNHVMOLHLKLYCACBAPQDYHmLM+HDnSNYmVSSYmALpVSBOMAVTLBN
YASRTVLDTmLMSPXtmLBYTABtmBM\$PRSMVTmBnOSRYmSNHVMOLHLKLYCACBAPQDYHmLM+HASRAXDVARBOYm
ALpVXMSMAVTBNYNPTLYTVLDTmLMSPXtmLBYTABtmBM\$PRSMVTmBnOSRYmSNHVMOLHLKLYCACBAPQDYHmLM
+HNPTLYSLSHVXMSYmALpVARBOMAVTALHHPQDYmASRPQDMSHVAHRnVNSYAYSRALSNYmOSRAYSAYSAXDL
BYTABTYHYVYHYVKLPQVDYBNYSRALLBYTABtmBnOSRYmSNHVMOLHLKLYCACBAPQDYHmLM+HBNYmNXYHVKLPQ
YmSSMAVTALpVSLSTALpYmVXMSMAVTVXMSYmVHLVYmLM+HABtmLAHTPQDVBTvKmvYDBRYHVALMSHLAMR
AkATM+HLVYLATPQDVATRASmLATSABTVkBNYSRALVATHHPQDATHLVYmOLMSKnHODTVOLKlKLYVVKLA
SRLVHMHYSAVATHMSKnVATKlKLYVVMYSRTHVV\$BYBLMSKnYXNVBN\$OHMSKnYVRVDVATVHLVYmVBXNTH
MSKnYQYmVATVHLVYmVHZRHQRBYVMTVXNVBNYSRALAYSOLMXNHVVAYSOLDGLVLCBATmVHLVYmYXNV\$BY
BLMSKnHODTVLAYHYHQcPoLODTBNYSRALVSMRVHLVYmATMSMRTMSKnHODTVYOSVBNYSRALKKLASRCV
HYHVHATMSHKnOSVYDDBRYHVALMSHVALAHRnLAMRAYSOLDGLVBATTLBYTABtmYXNVBNYSRALMNGD\$BY
BLAHLMVODYXNVVHXNYmQDMHMRZXDGLMXNHVVDHLCBATmVNSYALBNYHVDHNSVnBnOMYnDBVCBVAVP
QDYHmARBOHVSOYmALpVSSMAVTVHXNYmOLYVM+HYSSKRVNSYALBNYSSKRTNALBnCVORVCBAPVQDYV
ARBOHVXMSYmALpVARBOMAVTM+HZBVLnVNSYALBNYZBVLnALYABnXLnVCBAPVQDYVSOHVXMSYmALpV
ARBOMAVTKLHPQDYmLMXNHVHVDHMATALpVSMNYmALpVSSSTALpYmVARBOMAVTLCBATmRASNHY\$OVDGLMXN
HRAVBnTYMNLHCBATmVNSYALBNYRAVBnALYCVRBnSDYAVRVCBAPVQDYVSSHVARBOYmALpVXMSMAVTVMH
VNmOLYVM+HSMOVnVNSYALBNYSMOVnSLMYALBnCVRYSDYVCBAPVQDYHmTsoHVXMSYmALpVSLMAVTVM+
HGDVNSYALBNYGDALY\$P BnROVALVCBAPVQDYHmXMSHVARBOYmALpVSSMAVTVXMSYmKlHPQDYmLMXNHRA
VBnMATALpVAXDVXMSYmALpVARBOMAVTVXMSYmLCBATmVSNYmY\$OVVN\$OAHLMVODMXNHLLVYmBTvKHMKN
TKASRYXNVKnY\$OVAYSOLYDVLdGLYHmDGLMXNHAPRYmLCBATmYMHVNSYALBNYAPRYmALYSMOBnOMYHVDV
CBAPVQDYHmARBOYmALpVXMSMAVTVOLYVM+HMNSHVNSYALBNYMNSHGMLYALBnPDHCVRVCBAPVQDYHmS
NYmVLSYmALpVMATYmVM+HBNYMnVNSYALBNYBNYMnABYDnBnGDONYVCBAPVQDYHmXMSHVLSYmALpVA
RBOMAVTKLHPQDYmLMXNHAPRYmMATALpVSMNTALpYmVMAHLCBATmVLSYmY\$OVDGLMXNHdCPNHLCBATm
VNSYALBNYDnAXYOZRBnOMYSDYVCBAPVQDYHmSNYmVSSYmALpVSBOMAVTVHXNYmOLYVM+HASRVNSYALB
NYASRPGOYALBnOKRnVCBAPVQDYHmAXDVARBOYmALpVXMSMAVTVM+HNPTLYVNSYALBNYNPTLYAXYROBn
OYNnVCBAPVQDYHmSLSHVXMSYmALpVARBOMAVTKLHPQDYmLMXNHdMATALpVSOHVXMSYmALpVSSMAVT
LAXRNHY\$OVLdGLYHmALHPQVDYBNYSRALLBYTABtmKLPQVDYHMXNtlCBATmSSMAVTALpVSLSTALpYmVX
MSMAVTVXMSYmVHLVYmLAHTPQDVBTvKBNYSRALKASRCVHYHVHATMSHVYOSVBNYSRALKKLASRCVHYHVH
ATMSHKnXNVLDGLYHmVKnN\$OVAYSLSMSPXTYVOLBYTABTYVVALHTVLDTAHRnVMSHBYmDBRYHVHATMSHBH
R\$YNYVALHSMVTBNYHRnHBKRnDBVABYHVAALOZRVAYTMRALHSMVTBNYHRnHKHNYmHMSXmASRMLAYDm
LKHnVYMTNDBVABYHVALPNYHVBHQRBMASZRHLPNYHVBHMDBR\$YNYVBNYmLAHYVLHmVYKHnALOZRVA
TMROLPNYHRnABYHmVYDBRYHVHALMSHLAMRHQRBATM+HLVYVHOMDTATVLPNYHRnHKHnVSRTVATVSMR
VATMSMRTVATMSMRTKlHODHLPNYAHLMVODLOBDATOBDTHMSKnVSMRVATKlKLYAHLMVODVATMSMRTBNY
SRALLOBDATOBDTHMSKnVNTTHATHLVYmLAHRnVLBNYVNTVNmNTVNmHMHLVMATBNYSRALVATAHRnVATBN
YVTPQDVSMRVATKHNtmVHZRHQRBYVMTVYDBRYHVALMSHLAMRVANYHNHLQXTYATHLVYmMTVKBNYSRALT
XTKLBKVRP+RRXmMBNYSRALVHYVLYHLVYmKYLYKLBKVRBYmHKTYKLBKVRBARcMCRYmHQDSTYLYKLBK
RBYSRALMADmODBMHMLYHYVANYHVYVDBRYHVHALMSHBMDBR\$YNYLAMRPQDATBNYLVLBYTABtmLMS
XTmKlZKRMBnXDSVMOLHTPQDmVYPQDATmSHOLPYHYVHKASRCVHYVYVALHBNYLVBsmTmGRSVnVQHTVM
RRYVALHSMVTBNYGRSVnLMSPXtmLBNYVSMOYVBNYQHTLMSPXtmOMRmVYCHRXBVnVOZVALVBNYMRRLMS
PXtmXLYVMVSYALHmMSPXTHLVYLYBYTABtmLGRSVnMSPXTHLBNYVMSPTXTHSMOYALHmMSPXTHGRSNYPQ
DYHmBM\$PRKLZKRMBnXDSVMOLHPQDYHmSBOTALpYmVXMSMAVTMSPXTHGRSNYAXRYHMSKnYXNVYMHVNSYA
BYTABLGRSNYALY\$P BnLALVMSMRTBNYGRSVnBAHLMVODHMSKnVHAHLMK\$HVVM\$KPTXAHLMVODVQLOYHX

RVATM\$KPTXHXCRASROLHMSK nVOLHMZBX\$BYBVATMYTRYV LKLOBDTVVLQHTMSPXTHOMRMYVMSPXTHYCHR
YVMSFXTHXBRNYVMSFXTHOZYALYALHHmMSPXTHQHTYBM\$PRKLZKRMb nXDSVMOLHSMNTALP YmVSSMAV TSM
RYMSMRTHQDSMSPXTBNYQHTYXNVOLYRkHMSK nTYMNHVNSYABYTABLMSPXTHQHTYALYCPnBnOZYALVMSMR
TmHARnVHSLXnVHMNRHVHMZBXTVKLYHQDSASRYSR T VBmVHM\$KVKLOBDTV VNSYANSYAYHLVYALOZRBnAH
RnHKHn PQD TSMRYMSMRTHQDSL MRRYMSPXTHMXLYVMSPXTHMVSYALHHmMSPXTMRRYVPQDYHmBM\$PRKLZKR
MbnXDSVMOLHSS T ALP YmVMAT YmVNSYABYTABLMSPXTMRRYCVRYALBnABYXYLOLYRkHMSK nYXNVCPNHVPQ
DTMSMR TBNYMRRYQR SYHMSK nVBRXYV VOMDYV VADNYVVKLKYVVKLOBDTV VOMDYHXC R\$BYBVADNYHmVYT
DTmVMYTRYHmVHXNYmLPNYHMSK nQDMHL PNYAHLMVODMZR XHMSHVAHRnVBNYVSMR YmMSMRTHM QDSLMSMR
BNYYSRALVHZRHQRBYVM T KLPQVDYHLV YmASRPQDM SHVAHRnOLPY YHVHLMSPX TmK LZKRMbnXDSVMOLHSNY
mVOSRYmALpVYAMRYHVHALMSHPQDKLBKRZKRLBNYYSRALMBnXDSVMOLHVSAATM\$PRSM TmVLQXTATHLVYm
LYANYHVHTXTKLBKRBBNYYSRALVATBHMTHLVYmT XTKLBKVRBBHMTBNYYSRALVYPQDM SHKASRCVHYHVHA
TVATKLBKVRBBNYYSRALVYHYKLBKVRZKRB M\$PRSM TmBnXDSVMOLHLPQDYHmSNYmVOSRYmALpSLSHV SBOY
mVMAT YmVYDBRYHVHALMSHLAMRQXATHLVYmT XTKLBKVRBBNYYSRALVATBHMTHLVYmT XTBHMTmVHYVLYHL
VYmANYHVHVATPDVYYHSLSHVHSBOYmVHMAT YmHODP YmOLHLVYmMBKVRBNYYSRALVLQXTXMXSTXMS TSQLY
mLGLGLTBSQLHQDS TQXOSRYmGRHHSQLVNT THHK\$P LAHRnVLBNYVDPVYHODP YmBhmVYQXMSHATK\$P HPDY
VmMATHODP YmOLPDVYYHLVYmMATBKVRBNYYSRALLQXATHK\$P XMSHVSSYmVSLSMAVTVALpBSQLHQDSVYTn
MSHATK\$P HPDYmLAHRnVLBNYVOLPYHYVHKASRCVHYHVHATMSHVYDBRYHVHALMSHVALAHRnLAMRNSAATRA
SBNYQHTMTV kBNYL VYLMSPXTmLBYTAB TmBnSLSYmSNHVMOLHVODBnXMSYmSNHKL BALCBALOSVTMLAKHB
AHLMVODZATOB DTBNYQHTBAHLMVODQDSHQDSYmVBAHRnVBNYVBN\$OHMXNHVHVRDVATPRKTHM\$KVK\$VBH
ATARnHODT VNTNVLVYVK\$VYOVRTXSVPRSVBGDKLYLTKL TMLMOLHVMVBDYV VOLSLXnHPNYmYPRSVBGDTK
LTVNINVOLYVATHQORTVATHKPTVATHMNYTVATQSVTHN\$KVLXmHTMYDOLYVYHYHVPRSVOLYHmBGDTVLOT
SNYVK\$VATVBMK\$HOVRTXSVSMVATBDYVVLQXVBGDTKLTVK\$VATMNRTHMAVRVATNRTYHVATMLQXYHVATMX
TTYHVATK LKLYSMNHASRYSR T VLBHmVNTN VATHVATK LKLYHALMK\$HOVRTXSVNTN VOLH MV+VOLMZBXHZHB
YPRSVBGDTKLTVK\$VATVBMK\$HOVRTXSVSMVATBDYVVLQXVATK LKLYHSRTASRYSR T VmBmBQDSVNTNVALBGD
TKLTVK\$VAVTmBMK\$HOVRTXSVNTN VOLH MV+VDSNVATHMZBXVPRSVOLYVBGDARGMnVNTN VOLYVATK LKLYV
ASRYSR T VOLYVBHmATHMXTTATHMZLGTVATHYOYmVATHMZRTK LKLYHMZBXVPRSVOLYVK\$VYOVRTXSVSMV
BDYVVKLHAHRnVBNYV LK\$TATHQDSVATK LKLYHQDSBN\$OHMXNHVAXRYK nYBAVBNYQHTL SATV LAYGOVALHQ
DSVMTVALHMSABNYQHTBAHLMVODVPQDTALOZRBnAHRnHKHnSmnHMAVRVQ+RTH\$MYmVMNXTHMTYDVSMnHM
SXHPQDTK LHM SKnVKLASRBVBQDSVBKLYVYDBRYHVHALMSHVALAHRnLAMRALTKRYTVATSB+MSPXTHQHTY
MTV kHLVYmVZATOSV LHM VXYVVLAYMTVBGSTMATQDSHQDSYmAHRnVBNYVYBAVVSMAV TmAYSAYSOLOBDT V
VALMSAVVLA YBAV LRAVTKBLOATHQDSVMTVYDBRYHVHALMSHLAMRNSAATRASBNYGRSVnGmHmLBYTAB TmL
MSPXTmMBnSLSYmSNHVMOLHODBnXMSYmSNHTPQDAV TmK LHBALCBALCBALOBDOBDHBAHLMVODZATOB DTMS
XTHGRSNYL OBDV LMSAVNSAVATYRYO THMSK nVATAHLMVODMK \$SHVVMK \$SHHTXSASROLYVMLMOLHVATM\$KPTX
AHLMVODVATQLOYHXCRVATM\$KPTXSORHXCRASROLHMSK nVOLHMZBX\$BYBVATMYTRYHmVATK LKLYOBDTmV
ATKLASRYOSHLHmVOBDVOLPYAHRnVBNYVTHYHKLOBDTBNYHGRSNYLK LMSAmVLKLOBDTmVPQDTmOLHmBMS
MRTATK LMSAmZATOB DTMSPX TBNYHGRSNYBAHLMVODVMSMR TmBYDAY TMRBnAHRnHKHnBNYMRRYLMSPX TmL
BYTAB TmTPQDA TmMBnSLSYmSNHVMOLHVODBnXMSYmSNHTPQDmK LHBALCBALOB DATOBDT AHLMVODVZATMS
MR TMSAmL KLOBDTmBAHLMVODQRSYHMSK nVBRXYV VOMDYV VADNYV VOMDYHXC R\$BYBVADNYHmVYTD TmV
MYTRYHmL K LKLYHmVLKLOBDTmVBSMTTPQDVATK LYMSTR TMSAmZATOB DTMSPX TBNYMRRYL KLOBDTmBAHLM
VODBYDAY TMRBnAHRnHKHnVYPQDM SHVAHRnVNSYAYHODHATBNYHQHTYLMSPX TmVLBYTAB TmMBnSLSYmSN
HVMOLHVODBnXMSYmSNHKLH BALCBALOBDOBDHBAHLMVODVYHYVPQDYHmLMSPX TmALP YmSBOMAVTVXMSYmALH
PQVDYMSPXTHQHTYK LHOBDHBAHLMVODASRPQDM SHVAHRnOLPY YHVHBYDMSHPVQVDYBNYGRSVnLMSPXV TmL
LBYTAB TmMBnSLSYmSNHVMOLHVODBnXMSYmSNHKLH BALCBALOBDOBDHBAHLMVODVYHYVPQDYHmLMSPX TmLBY
VPQVDYMSPX TBNYMRRYLMSPX TmLBYTAB TmMBnSLSYmSNHVMOLHVODBnXMSYmSNHKLH BALCBALOBDOBDHBAHL
MVODVYHYVPQDYHmLMSPX TmSLSTALP YmVMAT YmALHPQVDYMSPX TBNYMRRYASRPQDM SHVAHRnOLPY YHVH
YDMSHKLHPQDYmASRPQDM SHVAHRnVNSYAYSRALATHLVYmLMSPX TmVLBYTAB TmMBnSLSYmSNHVMOLHVOD
BnXMSYmSNHKLH BALOBDOBDT OBDHVOBDTMSABAHLMVODVYHYVPQDYHmSMNTALP YmVXMSMAVTVSMNYmOLP
YYHVHPQDAV TmBYDMSHAYSAYSOLOBDT VVOLMSAVVPQDYVASRCVHYHVHATMSHVYDBRYHVHALMSHLAMRCVA
TBNYYSRALVYSLXVnHMXNHKL CRVOVKLZBVKL+MALNP SMZKRODNQBHTSLXVALMXVcLMXNHTSLXVnVLAY+
MAVATMXNYHmASRANYSKnBTVK mVYOSVKnBNYYSRALVYSLXVAV TmALMXVcLMXNHKASRDBRYHVHALMSHKnO
SVBNYYSRALVYDBRYHVHALMSHLAMRDBRALBNYYSRALAYS AVASHKYIOSVMK LX+ATHADmLMOLMOLBYHVHVA
SMHHPNSHHVAVHTVDVATX+ATmASROSVVHSYBATASMBRASVVMXYSTVY\$POLYVVNTnLASRASmLVVAmAYnL
AYSGALLHSYBHASmALYVHASmHMVSBLYHVHLKhnMLBDAYLHKPRYmASRYKPRBVOLYVVKLTRVMHLK LQDSYBN
YYSRALASRYQR YBVLKhnLVYHYHVAYSATQDSYVLVYHYVAYSASRYTnLKHnLVYHYHVYDBRYHVHALMSHLAMRD
BRALBNYYSRALVAMRTALHmAYSAYSKYTS+HASTVVMOLHBVMOLVSKBAYSATHSKBTZR OVNO LmMOYNYAYSHVN
\$TRHVHYAN+MAHVODAYnBHVVHALANTP SHVOBROLYVRVXQNAHVQNAATASTVHVAN+MAHAVOBROLYVRVXQN
AHVQNAATASTVHYALAN+MAHVHBYAHAYSATASTVALHKHnVHBYAATQRBNHOLYHOSYRTHAYPHQMXSOR YmLA

YCQOLYVSMnVLAYTnOLYVLBNHKYMNXTQNATHVAMNXTZKRvnmZKRTOVnVHQRYBATHHKhHnVHOMDHLPNYYHV
HVLQXHKHnMymQDSYmBKLXRSVMnHOPRASRYHYHBQRQOHMSKnYQXHKHnVnTnALHMymVHOMYDhKHnATHAS
HLPNYYHVHVPROATRASHASHVnTnOLKPYHATMNXTHZKRvnmNXTQNATHVAVBYDhKHnYHYVMYHMRYmHMARRY
mVHSBYOATHHKhHnVAMRALHASHAmLASKBAYSATkVAmLAS+YT+MAHTXTAYSkHnQYMMYHMRYmHMARRYmHALH
VATKYS+YTTXTAYSkVKYN+MATVYtNAYSBkATSKBTVMBLODYAYSkVHSBYOHKhHnATHASHBSBOTHALHVAMRH
KHnLASHYtNYHVHAVTfLALHVLBSOHBTVkOMkBTYYHVHATYRKkNPLTVATB+NkCBHVBAVHMymHMARRYmHAL
HBMOYkLCBVTB+nVLNPLYRkVAMRHHASHAMnAMnVKTBATHALThALHKhHnB\$PRVMXHALMYHMRYmVHSQHATH
ASHATMYHMRYmHMARRYmVBAVBHMYmHMARRYmLMRYmVLQXHKHnMYDASHATMNXTHQNATVHNYPATHMNXHL
PNYYHVHVHQRYBATHALHMZBXVQMcHKhHnMnHMNXHATAZKRTHVHQ+YRHMZBXHVAXRYSQHATHASHATHMYmVH
SQHATHMYmVHYTHAmN+MAHVTMOLMOLBAYSHVBAVBHMYmHMARRYmLMRYmVCBTHB+NHVNPLHYRKHVHYTHH
ASHLALHBQRBOMHVAmLAN+MAHHASHV+HRHHVAVNQTnVNZROHZROZATTVRTHQNATASRTS+HASHTXTAYSHV
N+MAHAVAYSASRTOBROLYVRVXQNAHVQNAATASTVHOMYDATHASHLPNYYHVHOSHLHKhHnATKLHTVRHHZA
TVNQHHAYSMOVnVHASSHHVATSAATOVNHVYDBRYHVHALMSHLAMRDBRALBNYSRALVAMRTALHmAYSASVASHK
YYPLALNDRNDRNZYRLHZYRLYHVHMYnVSKRYZYRkMcYnVXMcSKRLAYSTHVKLMSRTONBYmLAYSTHVONBY
mLXYmVYBSYmLAYAKLKLmYNZRVMLASRYOSHMGPhHYnMXRCNymVODZGLAYAKLKLmYNDRNZRVTORLAY
OBROLRASVODMLATHYmMAsRYZYRLYHVHQDSYHYHGDLPROSORRASVKLYMYHZYRVLYHVHOLNPSMTLAYBALA
BYVVLAMVLAXYVVLAXTVLAY+MALHmBMTmKYNZRALHYVOLRASVKLYMYNZRVQDSHVVALYHVHVKYVMVTMTOLY
VBPTOPTAmV+MARASNZRVVGLXRASVBYVm+HRTVBYVmHSBYOYGLXNVVBYVmHSMYNYBASTYTRYmAVSNYB
NYVnVHALHKhHnALPTXAHLMVODVOSHKhHnAXDLX+ATVAXDLOLHVKPROLYVMASRX+AOLHNPVQDSATRASVB
YVmHHVAVHZYRLYHVHATYMYNZRVVHBYAKBSBnSNTVLA SmVHYMYmHRASNYmYPLVKY+MANZRVVZATTVRTHN
ZYRBYVmMLATYMYNZRVYBYAATVALPTXAHLMVODVHQRYBATQRBNVLYHVHKBBSBnSNTVIMYmAXDLOLHVKBSh
AXTBTSNTHMTMYMLX+ATVAYLAXDTMYmLSLMYmV\$LMCVT\$LTXLTLBVLVLTBSMnVRQYQYMCVMTMSXmBSMnVMN
XTmVN\$KYHmVHQRYBKHnLPNYYHVHOSHATX+ATVVATOLTVVATHAYLYOSHZBXSLMymLYHVHOL\$LHMCVTV
OSHHKhHnATMNXTVVATN\$KVVGLXHNZYRPTXAHLMVODATRASNZRVVLQXATSORRASNZRVVNTnOLHASASRTXT
ZBXHSLMymVLQXHKHnATHZROBSLHmHAYLXLTMCHAXTMnH\$LVQRQYQMCXADVNTnOLKPYHNZYRAXRHTGL
XVATNZRVVHNYPAVTmHKhHnTNVPHLPNYYHVHQDSHVALKHnOLXZHHTNVPVOLSVQHTRMHVAXRYSTHNNZYR
YYnZATTVRTHNZYRASRYDRQRBNVLYHVHOLNZRVMLBDASRTSYGYDVKPYNDRVASRYDRKnYOSHOLTVRITNZRV
VYDBRYHVHALMSHLAMRDBRALAHRnVALBNYVLMARKHBTBRKVATBNYSRALAMVRLHmYBRKkYHVHVYSMRkYAR
YHVHPNYVALYkVYXNkYSAHYVHPNYVALYkVYSmLkSLVmVSMVATSMYOLBNYSRALVANYABRkmVYHYBYVmKL
VTMSHLHQYmATHMSKnVYMSXATVVYQDSATVVATKKLKLYVAVATHMZBXVATKKLKLYVYMSXmVYQDSATmVYQRYBV
NSYAYYSRALRASBYTABTmHmNSYAYHM+ThmHOMDYmOLHPQDYmVYBYAVATQRBNmLPNYYHVHSSOGLTCBVS
YOSRBQDROGLHOLSNYHNSAYmVSVRLAXDVYQRYBVAVTmLPNYHMSKnVYAMRYHVHALMSHLAMRQXMAmVHYVLO
BDATQDHTAHLVODVNTTHAVTmALHLVYmAYSKPYOBDTVVYQXMSHATHOGLTVATHBQRVYtNAVtMALHLVYmAT
STYHOGLVTVATARBOHTBQRNTnLBNYGRSVnKPYOBDTmVATARBOHOGLTVATSMNTHBQRNTnLBNYMRRYKPYOB
DTmBYDAYTMRBnAHRnHKhHnVLBNYQHTLANtnKYOBDTHQDSOLHmBKTPYSAVVYQRYBVHNSAYmATXNKTHMZBX
BYVmHMSXATVVYQRYBVHNSYAmATQRBNmLPNYHMZBXVYAMRYHVHALMSHNSYAAAXDLYVmNSYAAAXDLYVmYQRY
BVATQRBNmLXNKTHMZBXVYHYHMQRYYBYVmHRASVnATQRBNVNXSVnBnOMYNDBLM+HYHVDHVQRBNVQORTK\$
pAXTSLSYmVMAHMSQLHMZRQAXDK\$pSBOYmSQLBSQLHQDSSNYHmMLAYm\$LTBLVHLHBSMnLMNXHKpAXTOSRH
ZHBMLAHQ+RTPRAXDBnBQRAYLAXDKBSAXDBnSNTVLOLHNSOYROZymAXDLX+ATV LZBXHSLMymBQRSNYmAYL
mXMSHOTVDYmXMSHKBSYmBNYSNHXMSHZHQRBnNXSVnBnOMYNDDBBYVmHSNYHQRYBNTNALBnCVORNSYAYSS
KRHQRBATQRBNVQORTK\$pAXTSLSYmVMAHMSQLHMZRQAXDK\$pSBOYmSQLBSQLHQDSSNYHmMLAYm\$LTBLV
HBSMnLMNXHKpAXTOSRHZHBMLAHQ+RTPRAXDBnBQRAYLAXDKBSAXDBnSNTVLOLHNSOYROZymAXDLX+ATV
ZBXHSLMymBQRSNYmAYLmXMSHOTDYmXMSHKBSYmBNYSNHXMSHZHQRBnNTNALBnCVORBYVmHSLYSYNSYAL
BNYZBVLnALYABBNXLnQRBNVQORTK\$pAXTSLSYmVMAHMSQLHMZRQAXDK\$pSBOYmSQLBSQLHQDSSNYHmML
AYm\$LTBLVHLHBSMnLMNXHKpAXTOSRHZHBMLAHQ+RTPRAXDBnBQRAYLAXDKBSAXDBnSNTVLOLHNSOYROZym
AXDLX+ATV LZBXHSLMymBQRSNYmAYLmXMSHOTDYmXMSHKBSYmBNYSNHXMSHZHQRBnALYABBNXLnBYVmHR
BYOYNSYALBNYRAVBnALYCVRBnSDYAVRQRBNVQORTK\$pAXTSLSYmVMAHMSQLHMZRQAXDK\$pSBOYmSQLBS
QLHQDSSNYHmMLAYm\$LTBLVHLHBSMnLMNXHKpAXTOSRHZHBMLAHQ+RTPRAXDBnBQRAYLAXDKBSAXDBnSNT
VLOLHNSOYROZymAXDLX+ATV LZBXHSLMymBQRSNYmAYLmXMSHOTDYmXMSHKBSYmBNYSNHXMSHZHQRBnALY
CVRBnSDYAVRBYVmHXMSYNSYALBNYSMOVnSLMYALBnCVRYSDYQRBNVQORTK\$pAXTSLSYmVMAHMSQLHMZ
RQAXDK\$pSBOYmSQLBSQLHQDSSNYHmMLAYm\$LTBLVHLHBSMnLMNXHKpAXTOSRHZHBMLAHQ+RTPRAXDBnBQ
RAYLAXDKBSAXDBnSNTVLOLHNSOYROZymAXDLX+ATV LZBXHSLMymBQRSNYmAYLmXMSHOTDYmXMSHKBSYmB
NYSNHXMSHZHQRBnSLMYALBnCVRYSDYBYVmHSSYNSYALBNYGDALY\$pBnDOVALQRBNVQORTK\$pAXTSLSYm
VMAHMSQLHMZRQAXDK\$pSBOYmSQLBSQLHQDSSNYHmMLAYm\$LTBLVHLHBSMnLMNXHKpAXTOSRHZHBMLAHQ+
RTPRAXDBnBQRAYLAXDKBSAXDBnSNTVLOLHNSOYROZymAXDLX+ATV LZBXHSLMymBQRSNYmAYLmXMSHOTDY
mXMSHKBSYmBNYSNHXMSHZHQRBnALY\$pBnDOVALBYVmHSBYOYNSYALBNYAPRYmALYSMOBNOMYHVDQRBNV
QORTK\$pAXTSLSYmVMAHMSQLHMZRQAXDK\$pSBOYmSQLBSQLHQDSSNYHmMLAYm\$LTBLVHLHBSMnLMNXHKpA
XTOSRHZHBMLAHQ+RTPRAXDBnBQRAYLAXDKBSAXDBnSNTVLOLHNSOYROZymAXDLX+ATV LZBXHSLMymBQR

YYSRALVTQOTmTRVOHVN\$OVHMXNVTHXNYmQDMHVTQOTmTRVOHSNYTVN\$OVHMXNVTHXNYmTYMNHTRVOHYT
QOVLm\$OYHmVBHQHYLATHQHLTTQOVVLATRVOVBNYAhRnHKHNYmYTQOVBXCCRVTVHYVVLKmlXQTOVLmLDR
TYKnmVKYTBAVMLXMHBARCKmOLHCRRCRRATKmVHROmTmBXCCRTVNZKRmLpNYHYVHALHYKmVNVSOmTmMAYBY
KmVBYVmSMXTKmVBMVODYKmVBRASYXDSKmVTQOTmBXCCRTOLOLTYKmVOLZBXYSLMYKmVHYVVLKmlZKRvLnL
PNYALHYKmANYHYVHALHYKmVYHYBSNHHSNYTBXDSHSNYBOSRYmBXDSNOLHHONmMOLMSKnHODTVY\$OVBNY
YSRALLM\$OYHmMMDBR\$YNYVYSKnHONnBMDBRPARnVY\$OVBRASNHOLPYHYVHBVDMSHVY\$ODGLMXNHBNYHY
VDHBRASNHLCBATmVOLCBANXSVnBnOMYNDBVOLCBAM+HBNYYSKKRNTNALBnCVORVOLCBAM+HBNYZBVLn
ALYABBnXLnVHVRDHMSKnVN\$OVBNYGRSVnVBNYMRRYNSAYHMSKnVN\$ODGLMXNHRVAVnLCBATmVOLCBABA
LYCVRBnSDYAVRVOLCBAM+HBNYSMOVnSLMYALBnCVRYSDYVOLCBAM+HBNYGDALY\$PbnDOVALVN\$OVHQHT
YmNSAYHMQDSVHQYVATHMSKnODBAmVN\$ODGLMXNHBNYAPRYmLCBATmVOLCBAAVALYSMOBnOMYHVDVOLCB
AM+HBNYMNSHGMLYALBnPDHCVRVOLCBAM+HBNYBNYMnABYDnBnGDOVNYVN\$ODGLMXNHBNYDnMA\$P LKLHM
XNTLCBATmVOLCBAAVAXYOZRBnOMYSDYVOLCBAM+HBNYASRPGOYALBnOKRnVOLCBAM+HBNYNPTLYAXYROB
nOYNnALHM\$OYBNYYSRALLCBATmVY\$OVVYAMRMSHLXBBnROVALHMDYNYXTnMSHN\$OYmANXNVALHMQVmA
SRAMRYHVHATVATnLkLmLKHATNVVH+BNVLkKYHYHVHDBR+VBOLYSRALVYAMRALYVLAALkKYAmALARCYVALM
VLDTYALkVYAMRALNATOBATNVKYOlkYDOTXNTNVBMDBRVHYTYTLNVLOYNYmVHYHKYTLkOMNVVHYHH+VB
HHVAASRY+YBYHVHOMNVVH+BNVLkVY\$OVMHRYHVHDRkSLSTYmYmVARVnBRYTYHVHN\$OLPNYHmDrkSLST
YmYmLTVRLHmMNVXHVONnYHVHOLYHmVYmBN\$OmMnHMXNHVYHYBN\$OHARnVYAMRMSHQVMHYHVHVYPCVAY
BYkVYN\$VMSNAYkMPNYkVBNXHYAMRSVBHYHVHRRBVTALPYYSRALVYHYHOMKMTANNYmROBAZNYHYHVYYSM
OYHVHVYXRAPVVTBORBmASYHVHVTAkLBQCHHMNXHVCOQHOMALMSHVYTPLLMSHALYHVHVTSQOHASVYQRA
SmHMQVmHHVATBORHKYBORHmASYHVHVA\$P\$P\$ASRBQRBVHTAVVTAHVHYSBVVYBKVGmBNYYSRALVYAMRV
MYAKLNVBSRZKRNVATHDGHASRNAKLBMCRYmXNmATHQSAYmVATHAB+XYmVATHXCYRVATHBCLYmVATHSVM
YmVOTHNPNVYBSHAynKLBTLTYALHmOYNYNVVHmKZROGDHVAVOYNVKOYnHBDLXS+VHOMVLQ+VV+XNVBR
XYmAVDKVMBDKHVBSLVBPRVRVOSVATVOGVTVHYH+OMVK+OmLSDHSMnVBRDTH+LOLHMXNHLYLHYRDHmOL
YVVYSMOMSHATHOmBKHLMSPTTYVAYSLPTXAHLVVYXRAPYHVHMADVBOYNYMSHROVYAMRMSHALYHVHLMHHR
OTLOBdkVLMHLAMCTYXnBOYNYkLSVmATMSAKLHOMHZHOLYHANKYHRTYATKlHOMHZHAMANKYLDTYHVKY
TAMRALYSAHVBYQkKASRYSAHAMnATHYNQOLHADMHASRNSBOTLABTYVMAynLYBSRLTTLKlHOMHZHKYBYK
VOLYLAMRTNHLNVBSRVNAKLHLAAVKLANKYLB DYLSATATKlHOMHZHKYKBDMMNYAmKKHATOSHLYHRGNNA
HRGAmMCATYXnBOYNYkVALARAHBROTYYVYAMRYHVHALMSHA\$PHLYSBOYmAYSMZQNYYSRALASRYDOTKYHmZ
QNYHOMVS+RYVVLQXTATmALAHLMVODVHTYCBVSmOmKvYRDYVDBRBYOMkSmVACLTYMnHRVXASROLYkVSM
TYOLYHmVNSAVATkBMASAHOMVLATSAATHLBDkVALHOMTAMRHTQDSVLMXRVAKLmBSRKYBYKtmBAZNYHYVH
LAMRMYYAKLNVBSRKY+VBLNVBMCRYmVNTnYHVHLKmBSRVAKLmLAYVmAXDTAKLVnVLAIVMmVLAIXMSHYM
YmVLAOSRYHYmVLAOSRYmVYmODXDSYMYmODASRYCAMAPKmVHYHLKmLZRAYOnKYMA\$TmATYHVHARSQB
KmVTBKVYLPNYVLAAMRLMHZYHCANVMCRYmVYAMRMSHSSMAVLTALpRGLYHOMASRANKYBQRBVVATHAMRTSRA
TnLHmVAKLVXDSYMYmHCAnVBQRYsX+LHmVMCALHmAmATKLDGYHYmYA\$P LmVMCALHmVYAMRYHVHALMSHH
YDYHVHTQCROTHTRAHHYQRkDBRYAmLAVYCAMSHVYDBRALHOMATDBRYHVHVYA\$P SBOYmAYSMZQNYHOMVY
OMDATm\$BYBTHAHLVYRDYHVHONnVYDBRALYVVYACLmHnHRVXASROLYVVYtNOLSBOYmAYSHZQNYmVYHYKN
VXOLYHmHRVXVYTNBAVVLAY\$PVVYSARVSNYANSYmBMXNHSmHAXDALDDVSmHSNYMDDVTNXOLHmHRVXVHM
HBKTYmVLAICAVHAHLHVYTNBAVBMXNHVYRcHNORVYGDLMShVYAMRALDDVMYDDMTNBAYmBMXNHVYOnYHV
SOBnNnMSTRMShMBXRYVYVYAMRADNYMSHKLAmVYAMRLVMShMQNAATHLYVMYtNkLOmYHVHNBAYAmKYTY
nYHVHATRXXVOLYHmVYA\$PMSHALHMXNHVAVZQNYYSRALVRVXN\$OMATYHVHVYGGZSLVYmMnHYmVY+SOLHM
XNHKDRkYVmKHVKDRkYVmKH\$BYBVTMNXNHVKAMTYmOLPNYHARcVYQmHOMKLHYVmHHVAVKLHLVHLVLYVm
HMXRTVYA\$PVATHSLVHMMOY+A\$P OSRHXMRYmVYS+XVLHmS+VX\$BYBVTMNXNHBSROVDNVBYnSNYHm+RmY
KRtVApYHVHXRHBOMVYkYHVHBOmMKHRBHMADVYQRAATSmHMQVmHHVAQBRVHTTAVHKYSmQBRVATHOMHTA
VYmMQBRVHTTAVHN\$OVHOMXCRVTVYHYVBXCRVTVTDBRMRmVAHRnBMSHOLADVTHASHKSYTASRLQXKYAS
HKSYYTLQXVYAMRVHRQAKBMSHDBRYHVHHLAgmBNVDBRBYSMOYHVHVHAYSMShONVMADMKLHADmASROLPNYH
ADMHVYAMRYHVHPTAmALMSHVALAHRnVALMRmCAVSLSTKmALAHLMVODVYCAVSLSTmVYRDYHVHBMVDONn
VYOMDPTXHAHLVYQRAHRnVMRYmVYCAVSNYHmVYAMRSMOVNADBRYAmYHYHNBAYAmYHVHBMRAHALYVATVD
OBXLVmADBRBVLAKnOBDMYSHBKLBYTYNAMnHVAPHALPHADBRBVVMRAHVLABXYDTVTMNTYHVHYBY+VMDVO
LAYRATmLDBRBOBDYBMSHVYXRAPYHVHBMVYLkVHONn\$RMOLHAHLVHNHMRmMCROTKSLGVYpNahrnALMRY
mVHNHMCROTYYAMRAHRnALMSHBYADNYALNATSTOLYNVX+ATASRNVALNVVASRX+ANVALNATHYKMTASRBCA
TVMRXmAMVYAKLXCYSRVVYCOQMShALYHVHLAMRALNARPANALHVYAMRYHVHALMSHVABYHYRQYRQBPNYH
HLATKlMmSBOTYmT\$GRSBOTYmMxVcLmXNHVAXRTA\$PVT\$GRMRmMxVcLmXNHSBOTYmYmVHOMLAN\$OO
DHA\$PmRYmVAXRN\$OVHOMXCRVTVYXNVBMDBRPARnVYDBRYHVHALMSHLAMRSLXkLANSYmVYTRVATARcKN
OnASRANYNTnLBNYYSRALAYSAXDAYSAXDLm+HABTYVTSLSXVKNLSYABHmVYSLXATmMSHMMDBRPARnOLPY
HVHKLmANSYmRASVBNYYSRALHMHVALHSMVTmLm+HRAVnBnSMVOBnZKVRlM+HSMOVnSP+BnXVRYLm+HYHVD
HKLBBnYPNHLm+HYSSKRYGALBnYV\$P Lm+HAPRYmHVSObnVnLm+HBNYMnPL+YBnRPVALm+HZBVLnGDYAL
Bn\$VDYLM+HYV\$P Lm+HMNSHGdyBn\$V\$YLM+HDnOMYALBnGMLYLM+HASR\$TVRBnMYKALLm+HNPTLYNXBYB
nVP\$YLM+HGDAVALBnMKYALHSMVTHANSYmASRSLXMSHLTVRATHARcVYQRAMSHLHVSOBnVnYHVSOVYSL

XATmMSHLTVRATARcKNOmVYAMRALHmOLVZHBNGBVOLYTmATHHRVRAYTmATHARcMHHVAVATHOmHYSBOLYH
HXZQHVAHRPHHMO+HVAAmRBVMHHRcASRHVAYSBBHH+VBHHVAAmROHVMHHRyMAsRHVAYVSBHHNHBMXN
YmAmBMBCRyMVMHHRcHSMNHVAAmRZHYSBHOcAmAYnVHTXZQTmVLQXtmMPRYHARcVHYMYmYMYBKVRYO
NBmVYVOLVYTRVATHARcMMDBRcNODRXBLBAXMTVYOLVBNGBVYBAODXBRVnVSmAXYmMnSSVYVTLMYLYDYH
ONQVXBRVnSBOSNYmNBNTHLPNYCOmMCRyMvYBAVODNXLASKLVYKRTVMsmZMVRHVASKVLONBYmAXDVYSAH
VBMV+BSNYmVMnHRMNYmVMnHTANYmLMQVtmHHVAQRANXLASKVLOLADVTHASKVLASRKRVTVMsmBNYYSRALVY
SBVMTVRHARcMQcARBOYmYVmVYLKVVYBAVALMSHVALAHRnVALKLODTBNYYSRALALMDBRPARnQDSHVYSYB
VATmDBRVAATKLHODHVYRAVtmATPRYHARcVY\$PRVLVYAMRVBANVALHARcASRSLXTNVVGMZBTXLBVDBSHVA
VZHPRYHAP\$KYOZHOMHYSBBARcVHORyMBCRVTDGLTMADVGmYLDYHONQRAYNVSmOMLQYVSBBARcHNGBVHX
TYVHYBV\$YVHAMRYVYVSBHRVHKNONYYVSBOLHYmVOLYDHYRDnVYH\$KLBATHOmALMSHVYAMROLHNLHVVYR
SNVATHKYKVLNVKLLHVVHANSYmASROLVOMVAMRVLANVKLLLOLVTALHOMKYXZQHVMAMNVVYCYAVDBTHARcA
SRTRVATHALBNYYSRALLAMRHARcASROBRNVBHLTVRATHARcAKLTYSBYHHVAVKLOmASRRAYNVBTVKHAN
SYMVDTVSmRAYNVATHNPYLmBNYONQMnHNP LYmVNHYBOYnVNVKXGBYmVKnHYNVBOYNYHmVTSAKLHODHV
YTNAVATQVLMVYBKVHOMBLYLHVVAVYLVNOLMSHVOLAHRnKLBNNYYSRALVYAMRVALHmKLHODHLVMTNVBARc
MCRyMAVBMDBRHZHLVMTNVVLMHYHVHMBYAAATNVALHARcHZATLNLPLBXRBNsYNNV+PNVYHYVBLZHLVA+VBL
NVSVBMCRYMHVYAMRVAYSALAXYVNTNHRASVNSVBHMCRYMHVYPLMSHVAHRnOLPNYHmLPNYKLOLHODTBNYY
SRALVYHVSObnVnVKLBBnYPNHMnHTRyMATHARcQROVBDGYHmVYAMRVALKLODTBNYYSRALLAMRHARcASR
OBRNVBHLTVRATH+VBHHRcMADMADAmXPcBNVYHVHVBYAAATNVALHARcHZATVNTNHLNVARcASRHVAZBTX
LBVDBSAKBYHVHALTMRDVATmALTYRAVATOmHARcKYLXmNVHm\$RCLmMOLYHmVYHVHATNVALTYRAMVYAMR
VKLHODHLRGVAmTmBANNYmVKBVYDHYHVNRAHBAHLMVDALKLBNNYYSRALVYAMRYHVHALMSHODANHYNACNYH
OmHZHVODANHLAYAMXNVBYBKLHATVTASROSYTYBQREBAKINVBDBRVAVRSNVVAOSHATkLGVYGDVLOCVMm
NVVYAMRMSHALYHVSMOVMCRyMKYHOLYTBKXkATHOmHZHMQRBVVAMRVALYVSBHARcHZATSMOVKYATHYH
VHBQRBOmHZHASROYnBoYnNRAHATHYHVHONNkOMDOLHmVBOMDONnATHHLkLPNYHmVYmVBMVDASLYL
HVHMTATHOmHZHKAYSAXDVAMRVHGVYmASRSMOVSATSMOKLAMRMBLTYKLTyHVHLHBYAATHOmHZHALHARc
ASRNSBOLHmVYSX+mBMDBRVOTHYGDNLAKXADNYKASRDBRTLAMRYHVHARKAPYmVRBX\$DNSAOVnVPSOVNQH
LAYNQHPQDOVnABVTOLBNYmOLSLSYmVOLRBOYm\$LXNALOVnHOMHZHKGDLDX\$DkVKASRNSATHLOmHZHMMCR
YmVODHNVYAMRYHVH\$LXTYKDBRkVAVLmXYANYVYMLAKBVYDHYHATKLHARcKYKHLHANSYmHRAyMAtKBDYV
ATATTYASROSYTYBMCrymVMDBRVYn\$VATYZHOSRPOYmVLASMOVBQVLYAmYRAVATHARcASRNSBOTYLAB
TmVKLMNACYLAYRAVHVOBDYKLBQOBYHMYTHRVXAXRTOMVVYMLAAXRYVHBYATYVALHARcASRBASMHVZROVYV
RSNHVHOMLQYVHKNONYYVSBBOMQMXRPNV\$OVLKMHMDBRDRkYm\$VpVYDBRYHVHALMSHVALAHRnLAMRODM
TYLODHHROHHZATASRHHMLYNYmOLYATTLNVTBNNYSRALASRHHMLYNYmOLYSMOTYAMRALHmXYANYNAmY
HVHAmLAKASRDBRtmBAZNYKnAOSHLKMBMDBRHZHYPLVPGRYKMKVLPQDYKMLKLM\$PRKMBnOSRYmSNHVMO
LHASRHLYNtmOLYAmATmTBAVALHARcASRNSATYATYDYLsknATKMBHkYAmKLBbnYPNHVYHVSOBnVnV+PK
mASRAMRTmLBZYHYHVBYATYAtmVYDOVATHARcASRMA\$TmBHVPGRYKMAtmYPLVMDBRHZHVBNYKMYHYVR
OYmBMDBRARBOYmSNHVNSAVATZNVTYKMODtmPGRYKMBMDBRM\$PRHYMmASRTRtmATHARcARBOYmYmYV
mLSNHVYmLSNHTSAVATOVNTYKARBOYmSNHVYDOtmATTNVATYANYYHVHDBRtYAmLAZATAOSHLKLHODHHR
OHZATHNVODYmOLYBMDBRHZHYTMVSmYMTVVHANSYmASRSLXMSHLTVRATHARcVYSBVVYLVNOLYVATKL
HODHLHVCYADBOLHARcVYMTVHANSYmMVCAYDBTHARcROHBMGPHLPNYHVHVYHVSOBnVnVKLBBnYPNHX
YVNmHANSYmHMHHLKYLmLTVRATHARcVYDBRMSHATHDBRYmHALHALKLBNNYYSRALVYTABLVHOMMADVYSKMV
BBQRVYOLVALRASHHRLAMRHNNVOLYNVALHMqVmASRAMRYHVHKYX+ANVVYAMRMSHLMHZHATmOBRyMAtPY
YHVHVHALATCLXALTOLVKYAYnYHVHBQRBKmVLATNGPVLPNYAYBYKMKYHOMLQYVHKNONYSmLPNYKMNPL
TmBXRKBKYOlkNsbTmMAXRYHVHVLAHYHYHVHOMKMYOPLVLOLVTALRASHHRVARVnBRYTYHVHVMSHLAMS
VMQRBMXNHVYRDHOMLQYVHKNONYYHYSBBHRHHVAVYKVMYKTVmODHXRMHVYDBRYHVHALMSHLAMRDBRALB
NYYSRALVAMRTALHmKYTBAVALARcMVSBTYKASRANYNtnLkmVOSYtmASHLYHVHOLHAVZBXLPLANDRAVBN
DBHAVBMODYKMLOSVTRYXNYXXLYHVHMnHBQRAVMnHCAnVHQRYBHMQRyBQRBNVLYHVHMNXH\$LTOSRVnBLV
LBRBOYTHHYnSmVYnLn\$KRBYOYTHHYntOSHOLHOLHAVLZEXLKBShAXDAVLAyLTOSHMMNXH\$LTsNYOSRN
YmBLVLHBSMnSLSYTHHYnVYnLn\$KSLSYTHHYntQRYBRYXNYXXLYHVHVKYTOSHbnBQROLHAVZBXLPLAND
RAVSLMymLYHVHVHQRYBOLBnHBQRMNXH\$LTSLSHOSRNYmBLVLBSMnXCYHYYnVYnTQRYBLN\$KXCYHYYnA
SHRYXNYXXLYHVHKKHYOSHLsvRHAXDAVLAyLHAXDAVLShKBsYmAVBOZymKM\$PRASRTOSVKKHTOSVLAXD
KM\$PRmKLHAZRXYOSHKHATALHLHQRYBASHRYXNYXXLYHVHVKYGV RATKMGRAVASRBTvKkmLDRTYKmvOS
HASHRYXNYXXLYHVHkASRTOSVKnYOSHHQLXQHAXTLKMLGRHGRXQTOVLMLDRTYKMKmKGRYHYHLPNYYH
VHTVRHAXTVMSP+AXDYHYHLKMLGRHGRATKMYVYDBRYHVHALMSHLAMRDBRALBNYYSRALVAMRTALHmBBAKm
ALHARcASRANYMBAATKMSMHVHYHBKAKLmMLXmHARcTRYMVTVMHLYHVHRSYTOR\$TKmXLHTRYMVTVMH
KTRVMTGRnKnTRYMVAATHMRSYTOR\$TYKMTTNVLYHVHTRVMHLDRTYKMKYTSgVVLATOSVATKLHMCVTHALH
ASRDBRYHVHALMSHATKLASRCVHYHVHALYKMBYDMSHMnHYVmASRCVHYHVHVLHHLDRTYKMHYHAmMOYNYH
ODHNOSTHLSGGHVSOKLHODHPRBnBQRAXDLOLHLRXYNYXXLYHVHVNMXTVVN\$KVKMSP+VSOYROZymAXDLX
+TVKPRKHnOKLLODTBNYYSRALVN\$LXLHmKYSGGHVAVHmHBYAVATQRBNmASHLYHVHVX+ATmLPNYHVHVO
LSGGTmVN\$LXLKLODTBNYYSRALVLRHGRBTVMKMYLKLHOMBSGGHVAmNPSAXTTX+ABSGGHVHQRYBHOZBTS

NTHLX+ATVKPRKHnOLHNP SHSGGTBX+AHBSGGHLPNYYHVHLKPROLYVFN\$XLXVHAZRxBBNYYSRALVLRHG
RBTVKmTVRHAXTYHYHLKMLOSHBSGGHVHNP SASRTOSHBYDRMHMnHAZRXMnHGRATYHVHVAMGDpVnKRTHH
NPSHHVAMQRBOMHKYDBRYHVHBZHVATMCVTVHPRHKRTTKRTHNP SHHVAOVNBHVHYVBNYYSRALBMDBRVYM
CAVAYSMSQSSOCYmBYVmHSBTVYQRYBVATVHMCAyMAtVMQSSOCYmALMSHVALAHRnVALKLHODHVNYXVATVB
MSMRKYLAPRSMHYOSHLVVYAMRYHVHALMSHMVTVMTHAYSRGVmAtVBABNYmKLHODHMxVcLMXNHVYCYAVAT
VKLHODHALMXVcLMXNHVYRGMVATVBABNYmVYMTKASRCVHYHVHATMSHVYAMRYHVHALMSHLAMRDBRALBNYY
SRALVAMRTALHmVOSVLAHmCYCTOLKNPYBGDYHmLDRtMvNTNVLCCYCTHKNpPTYLTKLTVHYHLKMLCYCTVRAY
TmATVVZKRtMAtKLMCVTYHVHVOSYtMAtMVLATTVRVAXRYLBBKmVAXRYOYNYKmASRAtmZNYmAXRYHmLMOn
TZKRVVOSYtMAtKLMCVTYHVHYtMQDSYmLALHYKmANYYHVHALHYKmASRHVCATYATKnmMARCmCRYmLHYVTLK
mLALHYmANYYHVHALHYKmVYQXQRXbnYCHRbnQHTBnLVYVDtNvABYRmBNYALYABVAVnBnPLTBNYRAVBnVY
QMVLPNYMSHVANSYmMBNYYSRALXMSYmVMATYmNSYAYODHQRAYMVDANSYmVYQHLVOLMSHVOLAHRnVYAM
RVALHmRBLKmKYKLHODHKLmQDSYmVBTVKmYHVHMDVOTTNsAVOLQHLHYHVHVYsmOMSHVYPLOLPNYVVYDBR
ALQRXVALKLODTVLAMRBQRVYDOYHVHATASRLVVATHQDVSVHQRYBALYVVATASRYBXRBYVQRyBALVZATOS
VQXVLKmMXTVTQRXVKLODTVVTVNBHnASVSYMVOLYHnQ+RTLPNYHVHMxRVHYHHAYsASRYBXRBYHVHVAHQ
DVSRLKmBmNYLVYVYAMRMSHALQRXSMOVNABNYLVYHMO+MKmKYHBDYLALHYSRALATKMODTYSRALLHQRY
BATKmALYVLOBDATOBDTMSKnYHVHVLOMDLPNYHODHLSRtMvYQRBATkVATKLAXYkBNYLvYATkVQBQStMGMK
HNHLKnATHVKLODTkHNODYmOLYHVHVAAHRnMHHVAKYTLVNVOLYVVYSLXMSHLQRALDtVLABYRmBNYALYAB
VYAMRVLANOLHMO+KYHOLYTNVMARcZBTXLBVDBSLHMYTNVMBDBRKYTSTRROLVNGmHSTRRApLAALARcZ
BTXLBVDBSHBYATNVVtTnLNVNXLtSDHVKRMHOYNYHANSYmHHmTNQRLANOLHVYXRLMSHMADVAMRALYHVH
ALTPhALNXtMLAXMVRAXDMHmNSATYVLAHROTyaTAXDMHmVYAMRMSHALQRXATHVKLODTkHYVLPNYHVHA
THVHmVAHRnMxRVQXVAYSMTTtVNTtMOLYHmQ+RTVHQRBtMLPNYHVHAYSMXTTVXMSYmVMATYmMXTTVAT
HVHRnAYSMXTTVVYQXVAYSMTTtVNTVNTVOLYHmASVSYMVOLYHmQ+RTVYOMDVPTXAHLMVODVMSHVHRnV
YQHLOLYHmQRXATKLHODHALPTXAHLMVODVYRAKBVDYHVHALKLHODHVYDBRYHVHALMSHVALAHRnLAMRHB
LVMTVtkHODHHZATVAKLHATmKRGVYPLVOLPNYHmVYAMRVALALHYHRVXTLKLBSRHAYsAXDYX+AVOLKLHOD
HTQcPvYDBRYHVHALMSHLAMRDBRALHODHLAMRHOLVM\$BYBLMSKnQRXDTnVABYRmVYQmMSHVYLkALDtNVA
BYRmVYLKvAXRYVZQNYYSRALVYDBRALHODHLAMR\$VRVNAMOLAHLYHANSYmHRsOYmHALHVALTGOVBKLASR
LHmPnT\$PVBKLX+ATmVYOLVMOLMSKnQRXDTnVABYRmM\$BYBVDtNvABYRmYCAVNCBmPTXAHLYHmVNSYHm
VBNYHmV+PmVYAMRMSHBZATtDOVnKYHVHSLXNYLOSVTATKLHMOSYmHALHKYLAMLBYAmKMVTKLHADmYMT
VnALHVPQDTKLHADmYQDOLYHmLayHVHSLXNYVAmBRyAHYBRAYHVHVPCtHHADMHATPYHVbLOHATmVATKL
ASRLHmVYRDVXYmSALHVYDOtmKYNACVHANSYmHALHATYHVHVYHYKkLTVLDBRATKLHDBRYmHALHVtBQO
ADMHASRTXTYHmVTPTXHARcATPYHVtBLOAtmVATBTYHmVATKLHADmASRLQRXVATKLHRKVSvYRDVHmVKLA
SRLHmXYmSALHVTK\$OLYHmHARcVYABDVMTVkhQHLVQLYSRALASR\$BYBTYHmN\$VLQmKYAMRVPnTBLONV
HARcVASYCAHMATYHVHVtAKLATHXMSYmVMATYmAYSMQRYBYHQ+RTVYDBRYHVHALMSHLAMRAMRALALozR
nAHRnHKHnVYRmATHMXTTMBYnHSRPHVATHASZRHLHAHKYQDSVATMXTVTHX+AYmHALHBNPStmVOSVATmRQ
OYPXYmCPVYLMZBXKXQRYBmLPNYHVHVYQDSVVYHVLAVTLBNYYSRALVYQXALOZRHKHnATMXTVTHNXST
ASRHQRyBVHSRPyMvYRQOVmCPVYLMZBXZKRvnlBNYYSRALLMOnASRLAYQRBAYSZRASRLAMZROAHRnHVAL
HQ+YRQ+RTLPNYHVHVLAHYHYKQRXVKODTVKASRDBRYHVHBYDMSHLVVYLVNKLLODTBNYYSRALMMXRTOLMS
HVOLAHRnLAMRAtmHMTmATOmYHVHVYHYBHQLHODHOLMSHVOLAHRnVYPNVALAHLMVODVHNHK\$HVHONnVY
RAKBVDYHVHVYBAMSHVAHRnALPNYAHLMVODVYDBRYHVHALMSHLAMRHRMVMtVkhODHHZATVAKLHATmKRG
VYPLVOLPNYHmVYAMRMSHALAHRnQXATHMXTHTVtOLYHASMOLHMZBXVSYmQ+RTVHVlkmHRHALHODHVKPRO
LYHmKYCAHQcPMLPNYHVHXLHNGpVYQXAHrnKASRDBRMSHVYrcALTVkHQHLVHNHXLHNGpOmVYtNAT
HQ+RTVYKPROLHOmVYOMDBYnHMTYmVBYnHXYYmVTOCRHMGPHVYHYVHMTYmBMGPHARBOHOSRALpVSBOMAV
TMLBDHMTYmOLDBRQRXVYsBAHRnALMSHALPTXAHLMVODVHMGPHNOCRHVYDBRYHVHALMSHLAMRDBRALBNY
YSRALVQXMAtmM+HM+HLBYTABMATKLNsyAHmLBYTABtmSNYmOSRM+VTAYSATSMVTkTBOLM+HVVATSmAHR
nTKTBOLM+HLVYKYm+HAXDLRASBYTABVtmVHNXtmBAHLMVODLPNYHODVtASRAVODLkmSMHVHYHHAYsASR
ABXRBVM+HVYPRXVHskTYMOLYATtLNVtBNYYSRALASRHmMLYnMOLYKmVYDBRMSHALBNYYSRALVYTNVALY
VKLNSYAYHmM+HLNSYAAxDM+HLNSYAAxDLBYTABtmSNYmOSRM+VTVM+HAHRnBTvkm+VTmVYNXMSHATHM+
TLPNYHVHBAHLHODTVYHYMMXRTVYBAMSHALAHLODVTVHNPRXM+HAHRnLBYTLVYVYCAPRXVYcCYcVY
GMLSQDYmVYCAMSHATKLHM+TMLPNYHVHALKLBNYYSRALVYRAVVYQXVAYSM+HVYVAMRYHVHALMSHHSBAT
M+HAHRnLPNYHODVTLMSMRTLAVTLBNYMRyVTKLTLVNTmMOLYVLAymTVVYOSMSHKASRCVHYHVHATVknOSH
VYAMRVBNYYSRALALMSHLAMRHnGVONVABDNVKNVABDNVKLHQRBHQRBALMSKnYHVHYMVTAmTMNVLGVOV
YAMRYHVHALAHRnATHVBNykVBYTABYkATkTSAVATOVnHMQDSVATHVBNYkATkTSAVATOVnKHNTKmVGMATA
XYkm+HLVYSB+ABYKHQRBATkVYLVVOLYkVYSRTVkvATHVBNYkATkLPNYAHLHODTVSMRVMSMRTkVMSMRTK
LHAHLakALkLYHQDSVALHMZBXLAYQRBVVLAymTVGmHmGmAtmVNLVVOLYkVSMRVATMSMRTAHLMVODLkLOB
DTHAHLVZRLAYQRBALYKmVSMRTmATMSMRTHQDSVATMSMRTHMZBXLAYHYHOVDQcPOLBNYYSRALVANYHnH
LQXTYATAXYKmHLVYmMTVtkBNYYSRALLKmMTNHNNTNymLYHVHLOBDATOBDAHLMVODVATHVBNYkATkTSMRV
ATKHNTKmLKLDBRHMZBXLMBYTLPRKTVOBDtmOBDTMINHATnATKHNTKmVHZRHRQRBYVMTVYDBRYHVHALAH
RnVANYHNHNTTYLkATMSMRTTRVMTYKLQDSYBNYYSRALLkNTTYmLMSXHVLBNYkLXQOVLmZHYHYHLkMQDS

HQDSYmMnHASKLQRBNmLKL MNXTmVLKLX+ATmVLKLASmASRYSYBVL YQDSQDSYmLkHVAVLBNYk BQDSHQDS
YmTAKLNVLKZKRYAKLATVQDSYHYHLkVZHLkTRVMTMTNmLKL TNVPTBNYYSRALLkNTTYmVLBNYkVLBNYkA
TkLXQOVLmKl+HVRBBYTkYAKLATVKLXLBYCHRVKLXLBTYRVSVDGnRASYSmASRYTNVLYHVHLkNTTYmBKVR
YKLASRBARcmASRYBYAVLYHVHLkYHYHKL+HVRBBYTkYAKLNVLKXRmBYSRALLkYHYHKLp+RRXmLKLBSRAS
RYQRYBVLYHVHADmVBBMHYHYHLkAkPDHTPDHATBKVRHADmVATBKVRHBMMH+MAHTPDHVPDVYVMBnXDS
TPDHBORKkK\$ pXMSTSQLYmBSQLHQDSOSRYmGRHHVAAkBKVRSVRAVBKVRKSBABKVRQZLATPDHQSdHmATD
MmTZRQOLHMZBXVATXLmTQ+YRASHLRYXNYXXLYHVHVBSRmYHYHLkKXZHHTNVPHVKSVQHYMYnLkYHYHKL
TRVMTHQDSYmASRYRYMVBNNYSRALLYHVHNTTYLkVLBNYkVLBNYkATkLXQOVLmBR YTMLXOVLmHVALPNYY
HVHLkVLZROkATkVYAMRYHVHALAHRnBARcmLATNXLVXLQLAYHYHLkBTVKmANYXLQkVNXLTkBTvkBNYYSR
ALVLEBNYLVYHNHTTYKLMOSRBYSRALLNXLHXLpOBDTmASRHmOBDYmATOBDTAHLMVODVLA YQRBOVDENNY
SRALALAHLMVODLSATX+ALMVTVOBDHLVYHVAATOBDTAHLMVODVHmYSAVOVNmXQTOVLM LDRYTKmVBTvkBN
YYSRALLAYNXLVNXLHKYATMOSRBNYYSRALASRYRYMVLVYHVHTRVMHNTTYLLVYmLNXLHOLKnAMRTYLHmBT
kBNYYSRALLAYNXLVNXLHVYDBRYHVHALMSHLAMRVALHLVYmTDBRVAMRTALHmKYTQXVMATBNYYSRALATHM
OSRASRNTTYLkMMAmBNXLTKmVHRMTmMMNVTRVMTYHVHMOSRMmHMOSRVNXSBLK mTRVMTKmKDGnMnHGRnV
KMLAHMnHYQBKnTRVMGmATmTRVMTYHVHMKLMOSRTYK mASRTQXVMATBNYYSRALVNTTmMMNVATTRVMTYHV
HLAHRnHKHnMkLMTNTTYK mTRVMVATKLTTRVMTYHVHMKLVXLBVATMQDSVMNVVAMRTALHmBHR YMKmATXLBVMM
NVVNXSBLLVYmKTBVATGRnVKTBVATYQBVAKLTmATVVKLMQVmATmVBYTKmKYSKRHVALKmXLP OBDTKmBAHL
MVODVLA TSAVOLYVX+ABHR YMKmATXLBVMMNVVATQDSYBNYYSRALLATXLLVVLATMVTVVYDBRYHVHALMSHV
ALAHnLAMRZATXQHTTVRHASRCVHYHVHALMRDBRALBNYYSRALVYQXVALYkPRHADMTMYMHASRA YnBHMVm
ASRLAOLHOLYHOLVNTTmATHALALOZRHKHnVHCYAAATHALMXVcLMXNHVSVX+ATHLPNVVVLQXALOZRHKHnMD
MHBACBOVHZHALNKXPnyAHLMVODMDMHSBOPOMYmVSRpATHPRHLOYNYVATORHVATBSRHVATDMHOLPRSHY
SRpVLQXHKHnOCARZVAZVBVSNTVLOTVHSLYkALTvkSRP THPRHVKB\$BGDYVHKHnVRXcBSRVBMYmVAXRYB
AALHMxNHV+MAHKHnODHORBVHSRpATHYKB\$BGDYVBM YmVRXcBSRVBMYmV+MAODHOREVA\$ pAYS+HVRATAP
RHRHVHNYXMXVcLMXNHBMQVm+HVRVHYTHLODTBNYYSRALLMSMRTL MYNDHX+ATHVAVKB\$HA\$ pATAPRHR
HATBGDYV+MAODHORBVHYTHLBNYYSRALVLRHGRBTVKmLXQTOVLM HNGOBTMLKLNPSADmV+MASBOTYMYm
HVA YTX+ABVBYVmHSLYSYVBYVmHSBYOYY+HRVAmLAYTX+ABVYmHSLYSYVBYVmHSBYOYLAY+HRKLNHGOB
M TBNSHADmASRYMVTVLAYTX+AAATMSKnYHVH+MAVNKRTHHNP SHHVAMYSRALKYMYNDHLAZRQOLYV+MAYHYH
OVD+MATVBVZATHTVRHADmKYMV TBAHLKLHBAALHAHLVKLASRBALHY+MASBOTYMYmVKLKYPTVXASRAYn
CMYDPTYLOLYV+MAHVAVKLSRYGOOLPNYHSDHBXLLXRBABMTAVBOCmAdmAVBQBRY+MASBOTYMYmVLQXV
L+MAMOPRSRPTHX+ATVNTnOLYVYmXYmALKLYVLQXAZVBV+BLBMYmAYS+HVRVHZHOLHAHLVOLKHLKLYm
VOLHNPSVTA SRHYVSmVOLHNGOBOCmAVBXL LAVBMTAVBQBRVHZHH+HROLH+MABYVmHSLYSYVBYVmHSBYOY
VX+AVBYVmHSBYOYVKB\$BGDYVVRXcBMYmV+HRBORVAYSASRY+MAVLA YTX+AVNKRTHHNP SHHVAMTVkHQH
LKYATMQDSYHVH+MAMYNHDLAZRQOLYV+MAHVAVHYTHLHmLXQTOVLMVMZHM YHNDHYKB\$BGDYVVMHGOBMYH
NDHY+MAODHORBVKLASRYGOBVH+MAY+MAVNHP SHNGOTT+MAODHORBVYBAVBNYYSRALKLHODHMDRBCnBXD
SHRASVnVYSBHmBQDSVTMTSmMRYmVTQBRSmVLAHYHMYmLODHVYQHLVOLMSHVOLAHrnVYRBHmOmMSHVY
AMRVLAMRVLGVONVBGOAXYNVLPNYHVHVLMHMBATmATQHLVHVHALHMDBRHZHLMVTSmANXNVVBOYRN
LMHHOLYTNVMMCR YmLHBYAATNVALHMQVmHROHZHLAMQVmZROVTANHVGPnVRM VnVMYmAYnLSTVTYBAMSH
VAHRnMPNYHQHLALPTXAHLMVODVYPLVOLPNYHmVYRAKBVDYHVHALYHmVYDBRYHVHALMSHLAMRQXATHM+H
VHQHLATHODHATHVHRnAXYkVDBRTmALH\$ LOLOYNYHmVNTnMYMYVHV CATLHmMYmMnH\$ LOVHSQY TATHOD
HVATBOYRmVYQXMSHATHM+HMLPNYHVHKA SRCVHVYVYQHLVMSHVAHRnATHQHLALPNYH\$ LOVYAMRLHmSMO
NAHRM YmMnH\$ LOHZHNVCYALKmMYmVYRmMSHATYDVVYkATH\$ LOBM+HVPOMYmVYCAVMYmRBYmVTSTHODHV
BOYRmVYAMRYHVHALMSHVALAHRnYOnLAHAMNTmBYLHQDYSNYLOYNBNYYSRALLKnLATBYAVATHQHLHZHA
LHARcASRNTTYLHmHMHYMYR YBHASRRBVBNNYSRALATYHVHVYQDSBmVYSLXMSHMLAK YmMQDSALMLkADV mK
HAMRAXYkYSRALATHYDOTATKLTTLA HASRMCATNVYRDVABTYNVMCRYMHVNSBBMCR YmMYmRBYmVYROVLN
VMCRYmVLABTYNVNCOQALYHVHVYSMOQLNVVYSLXMLAkVYCANVMCR YmVHNHANXNVBQDSOYRQCHGBVLkN
OBRHNABARCKLANOBRBSDHVBKRmVLANSTHMYBARDRkHMLkNLkLAN+HYMYnVSMAVLODASRNOBRGBLkVYAM
RALYVADVmLATOBRBYPnBXRBCALQRATkVYAMRVALYVBNYYSRALBM\$ LHNOLHVAmMYmKNSTHANYMQNYV
NTTYMKRmRQA YnDBRBRGLYAOBRHVYAMRLATOBRVYCAADVmLQRATVBOmKBDVBYDXZQHVVYmAnADV mNTnATY
SRALORBRGBLVVY+YSRALMOLYVVY\$ OVMQDSVYBAVBNYYSRALKLHODHRRHRRVYAMRYHVHALMSHVALAHRnB
HRHROLGBVLARcADV mLAMRYA\$ pAHRnALOMYVKYLA YBAALHARcASRNTTYLBNYYSRALOLASRMRYmATPYL
MYMYBHQXATAHRnVATALOZRBNVHOLA TmHRHRRVHPS+ATAHRnATBGDYVVHLBSTmATALOZRBNVVAHRnYA
\$ pVMTSmVYOSMSHKASRCVHYHVHYOLVALHRHRRLOYNYK LHOHDHVYPS+MSHATAHRnATBGDYVVYLSA TmATA
LOZRBNVYMTAHRnSmBRASHRRVYRDMSHVALOZRMnHHRVYRAVKLHODHKYGV OAHRnVYBKVATAHRnSLSYmYV
mKLB YTYSRALVYSMOHKNONYMLkORDYSBHNGBKYBAYSRALDRkHATRYmVYLLXmBYSRALVYSBMMNVSBYVYDRY
SRALNDRLYHVHVYAMRmNTnTnATHOmHZHBYDYVHXRTYATORYHmVYSMOYHVHBQVL YSRALVY TnATHKNON
YVYXRmATHmVATOR YmVYQRASmHMQVmXRMHVY\$ OVMMHRHRRDRkYm\$ VpL\$ BBATARcADV mVTQCRNP SHOmBDR
kVYDHRmOmBALH YmVBM SHLMHOLYTNVMMCR YmLMVTBMDBRKYAYnLXmVA YnMYmVNP SNVQCHBLXmHQQLQVY
SLXYHVHmOmATHNXSYmHSRP YmVYNSKVATHOmVYMTOmRBYMYSRALVYBAHmALMSHVYAMRVX+ANVKYDNRNVB

YHVHVbKHTPLLALYHVHVY\$RMOLYNVATHNXSVYTPLLMSHBODHmVYAMRYHVHALMSHOSHLkSRpVSYmATVOL
N\$VHYHKLHNSVkvRAHATVXVYVYOSMSHNXSNXSTVYSMHVOLHN\$VHYHAmNSkHNXSATAYSVHBY+ALNXSHNXS
TVXVY\$OVBNYYSRALVYXNVBAbTVY\$OVMAbTVYXNVBOYHOBRymBMDBRASROLPNYmVABMMZRXHSMSmN
\$OVVYXNVBNXLZRDMSmN\$OVVYXNVMOBRARNVnASRBMDBRHYCAMGBLHAMRYKYARNVnGBVLMVABBYnMVABV
BYnHAMRYOLKnYAMRB\$PRMLXMTYHVHATVHBB\$VPHVATHNXLYmARNVnVADSNXLYmASRN+HLsBTORVNSOn
LGBVLMVABVMsmBARHHVAHBARASRAMRYHVHLSHA\$pATHOmVATNHLHmMYmAZYSYRYSRALATHSYRHHZATO
LYBARONVLHBARXPRVHSRymKRVHNDYBYHmBMXQQBMSONTmVMMDBRMTNHVMNTNHXLYALVMNXLYALBMVT
VMBMVTGHYASRSBDHMVABRASHP\$GHVNSQPpHOLPNYHYSYmVYSLXYSRALMLAKYmAL\$YXnMLkHAMRYLAMR
AOBRHBARckLAN+HBSHDHVBKRLmANSSTHMYBARBDRkHMLkNLkODASRNOBRGBLkVLANTn\$YXnATYSRALOBRB
GBLVVYA\$p\$YXnATKLOMVVYCALQRATYSRALHMDBRHVYBAYHCHVYLXmBYSRALVYKHVYSRALLPYXRBVYYS
ATARCVMARNnODYBQODBNYOMVnKYOZGBVLBNYOMVnVYQXYSRALATKLHORymHALHVYSBYSRALBKLORYHAM
RYBXSbVnVBKLBNTYHKYXSBVnOYR\$YXnMLkHAMRYHVAVHVANLXmBMLkMVABHRASVnVYQXATKLARCVMYDV
ODARNnOLKnYAMRVHMSLYmBAVXSbVnTBNHVTKVnOYR\$YXVnKYASyCAHMXSBVnLHBHMQRyT\$YXnAKLHOR
MVABBOLYBMVTARNnAVYLkMVABABDTOmKMSVNTnBNYVPLY+mVBNTYVBSBYTLMLkAMRY\$YXVnVNYRmABDX
SBVnODDYBnVNSYmODNPXASRODMYDBAVYSBYSRALBARcHAMRYVYSLXMSHLRGLATYOZRVYLKDVBNTYHVYY
RSATHAMRYASRSmVYPNVYOLVDRkHBSnVYCAOVGMLkHBSnLQRATmHVAVKLOMVLMLXMHADROYVYAMRYHVH
ALMSHALTYRAATVKYBYDKNTTYATVVATKLOMVVATARCvVOSYTLVKASROSyTL\$YXnMLkHAMRYASRYVSBXs
BvNvYKVATVVATBNYVATKLOMVODBLTYHSAYRLVSRyDVYYSVATARCvVY\$OVBNYYSRALVYXNVBORBVTMv
ABMOBRLYRDNyRXVYVYRABLQbnCPVRATKLASROSHYRALLAMRYVYGRMVABMPNYHmMADKYRBHVAVYQcMVA
BMPNYBNYYSRALVYAMRMVABALZQNYMDYnOTHYLVKHVQHLATKL\$BYBTYNVKLkKHSVRATYRQHSDHVBVLQbnC
PVRMLkLMVABBOTHHVAVYSLXMLAKYmALBLOmBnBOVRPTVRHASROLHNHRARcBNYOMVLQRALVLAAMRHnHmOmY
CAMMCrYmHNHk\$HAToYnHARcVHVAYSBMMLYVOTHLKHNAARHLyATHOmHZHKYOCVmHVAMMNYAVLYAVKLNKH
BVVAGRSNMnHARckYDOTOYATASRTBRkMBRkVAsRTARYVARVYLKVZQNYMVABVZQNYMDYnVQ\$MYmBYDmVY
BAVALBLOmVYDBRVALYVDBRYBLQVYAMRALYHmLYNVPHLLYLVHVSbTYATKmDBRKASRYDBRYHVHALYVYSBV
SRYMVABOmBLOmVYBAALHYmALBLOmVYAMRMYHANSYmHALHOMkVYAMRBLOmALHALHYmBLQbnCPRMLkMVAB
SLXALYHNHmOmHYCAMMCrYmVYK\$AToYnHARcOTHKkQBHLyATVAVLYAVKLLHLXmBVVGRSTVYVYAMRALHY
mALBLOmLATLkOMHmLATARATHOmKYBRVkhVAVYQmBLOmBBQRVYAMRALSRyBLQLKVALARCKmKYMAmYHVHL
TTYLHLkOMKmVYQVMVSRYMVABVYBAVALBLQVYAMRMAnBLOmHLkOMNVVY\$pOVDBLQSLXSRymRBYmVnKBD
YmMALHVYBAVALBLOmVYAMRVLVKHAMRBLQbnCPVRALNATMNOMHLkALYKYKBDKADKBDKADVVKLASRTAMRALY
AOSHVLKHNABHLyATHOmHZHVYOnBLOmVYAMRALOBDYBLQAmYnTnLYBLQMLABYTVK\$pVZHBAAVKLLOBRA
TPYHVHALHYLOSVTQ+NHAVGDVHLVOTHSBVNABZHGMATmHLYLHVADOHMY\$pYHVHDBROMYVYBAALHYmAL
BLOmLYLHVYAMRLVAmLQRALkBAVHANSYmQmLkATmVakATHDBRASRADBRALYkATVTOshVYQmBLOmBBQRV
YXBSATATNVVYLkOmSRYMVABVYXRApALHYmKYHVVLkHVAVYTYCBMLAkYHVHBDKLS+nLVVHVARKBOLATNV
VSNYNORYVOMVTRAHATVnATMLAkYHVHNCBBDKkVXRbVSLVPHBYDVVT+HATVnMnHDRkVTLkBSDHVYkBLo
mATHATVnLH+THHDrkVYOMDMLAkYHVHBMSoVLHkRMymGDRMZHVGDZMZHVTTRAHATVnATMLAkYHVHVTLXcA
LHQYRVTLXcATRGLBLOmALHQYRVY\$pLHKTHVYV\$pMLAkYHVHOBVRVYOMDBMQVmCRASRAYnDRkLN+VTYMY
nVSMAVLVTRAHATVnATMLAkYHVHVTRBcTXtBLOmVYXRApBLOmVYkATHATVnBMQLVYPTXYHVHATPYHATVn
VTAMRLBLOmMHOSYTYLkKYHKYTYNZZHSLSRGLYmVYAMRBLOmLATVnKYHTOLLTYLBYVYXRBBDYKYKOTHHRG
TYkVTAMRHATVnALBLOmHLVAANKYATNkASRRKBTOLYMOVDkODHYVmHZHHH\$KnH\$KNTYLOSVTTLKkHYAMR
LAVYGLYHVHAToYnYBLOmVYRAATMLAkYHVHNCBBDKkVXRbVSLVPHBYDVVYQDVYSTXVLAPYVYVYAMRALYVML
AkYHVHOLMHKkYTATATNkZHSLVSRGLYmHNHANKYKATYLS+nKYR+HDRkLNGDYVTRANYHATVnVT+LPNYZ
HLSRGLYmAVLYn+THMPNYKYOTHGmATKHHRGTYVAVTHHXYYTYVYAMRBLOmALMLAkYHVHX+ATYKYLAYDOT
KYATHNCBLQRATYBDRkVOTHAmROBOYNYkASVBHLVYAMRLAkYHVHALBLOmLkOmHANSYmVAP\$ATHDBRA
SRADBRALYkATVTDbrVYLkBLOmOmSRyBLQVYsmoBLQKYBABLmOmVYCALQRATVALOYRMVABASROLGBVLARN
nASRBQCHHGEBLVYAMRBLOmHLASLXSLXTYALYkLQRALkLMHLAHLKTALYHAMNmLAVKLKBdkVYAMR
BLOmALBLQHNBATYALYkOTHYKLAVKLDBRMAVMHDBRASRYSmALHYmBPYATVADBRVYLkBLOmOmBLQVY
BAVQRyTXCVTVYZBXBLQBQRVCAnVYSLXBLBLOmVLSRYmASRATVYHYBBQRVYQXBLQATBLOmVYOLHVBMVTB
OLVYRAMSmQCHHmOmVYAMRBLOmALBLQBNHLyBZHSBOHMZBXTVHKnLYBZHSBOHPRYmVSOHAYLYmVYOSBLQ
KASRDBRBLOmVYOLBLQVBLOmPRVAYLBMZBXVYAMRBLOmLBLQHTYCBOLOLTKVALKHAVLYYQRHYHVHLQRAT
YVDBRMHYRANYVHGDTYkVYkSPYVYQRALHYmALBLOmVYAMRALYVATSBOTHMZBXTORKTYVAOLPRVAYLBM
ZBXVYSmYHVHDBRBPYBLOmVYAMRSVbALBLQVKhTDBRVYSBALYVvHNHNCBOLOLTVHVAVKLSRYMVABVYSAM
SLVYVYAMRMnArMnYXNYBLQMLkMVABMHRRYQDmLKHARHLyYQbVLkHZOMHYSRALMHAQBLAQbHALVMHAZOm
LAZOmYHVHKYMRASCRymARANVMGBOVTASVRNVHnOmLBDDYSKnVBGVYmLAYTXSBMYMNHOPRYOQbVM\$PRA
TRBOYSRALTMTNPSYMTYSRYmVTHYAXRYTYKMHVYAMRBLOmMHOSYTYLQbAYBYLQXTYkVHNHBRK
TBRkVYOnVYAMRHAAATASRYmYHVHBPYATVAsMRLDbrVYAMRALYVBLQkNAATYALMQVmAXRASRTRANVM
SmAP\$QCHVTRAHVKLVLATRAHVQBnVLYmSmVYQXHVSDHCPYmALRASHP\$GHVYBnSBOHMZBXTVYOLPRVAYLB
MZBXVYAMRALBLQHTYCBKHOLTLkVANKYAQRKHkVYQRHYHVHALBLOmVYSmDBRBPYVYAMRSVbALBLQVKhT
DBRVYBAALYVvHNvNCBOLOLTVVSRYMVABATVYVYAMRLVBLQMHDBRYHVHVYSAMSLVYVYAMRQVmBLQVSMOHAZ

ALpVARBOMAVTBNYNPTLYLMSPTmLYXCALMSPXTHYXCALYLVGNVMSPTXTHGVNYLYCRMSPXTHYCRYLSLmMS
PXTHSLMYALHMSPXTNPTLYLMSPTmVPQDYHmXMSHVARBOYmALpVARBOMAVTALHPQVDYBNNYSRALSSMAVT
ALpVALpSBOMAVTVSLSYmVYDBRYHVHALMSHLAMRLALHTXLQHARcBNXLHBM\$PRSMVTLRBTRBHNXLTVVLMO
+TMOY+NXLTVAYSPLPYQDYVYVtNXLTVakBGVRLYXLQATHARcLSMVTM+VTABTmYNXLVOLPHYGVRLTXLQNX
LTVBYNrBLMO+VALHPQVDYHLVYLMSPTmLGRSVnMSPXTHGRSNYLQHTMSPXTHQHTYLMRRYMSPTXTHMRRYAL
HMSPTLVYMSPTXHLBNYMSPTXTHXBRNYMSPTXTHMLYMSPTXTHMVSYSMSPTXTHQRXYVQHHTVLDATOMRmVSmAST
OMRmYVKBDBTLVYASRYLDHATHLLVYBMCRYmVTLDLORmATAHRnVATMSHVAITMRmAXTmVYVLDLAHRnATND
BVATABYHVAATALOZR VATAYTMRVYMTNDBVABYHVABHQRYBmASZRHLPNYYHVHVHYVFPQDYHmSLSHVOSRYm
ALpKLZKRMBnXDSVMOLHKYLAHTPQDVBTvkBNYSRALKYLANtNLHmNXLHBTvkBNYSRALALHPQVDYMSHVA
LOZRHKHnASRPQDVATBNYSRALBORBTMABOLYRDNyRXVVBALHLAHYHAYSMPQVDYMSHVAHRnHkHnASRPQ
DVATBNYSRALBMDR\$YNYKYAMRYHVHLHmMVTYMTVMBDBRVLANVTRMmAYSKYAmKLBnYPNHVYHVSObnN
VnVTQRBNHBNVTCLPXDBnXPRBnGLOBnMKYRbnMNSHLMSPXTMNSHbnYV\$PVALHSMVTBNTYVMXLHNOHVXG
LHVMLKHVTRCHVTOMDNHLPNYMSHVLPNYALOZRHKHnVLPNYHNSYAmVKLHODHPTXAHLMVODLAMRABYNVMTB
MDBRVHVALAHYHBTvkHODHHNVODYmOLYHVHODTQRKXYBx+AVMTVBNYmLAHYVVLVLMHYGROSmABYNVMTV
MSPXTVKYAYnLVbnTNHLNVAXZHBTVkAXYABYNVYQRBMShATMSP+nLPNYHVHVYAMRYHVHALMSHLAMRKn
BNVTCLPXDBRTNTnTnTnLHmAXZTNXLHBTvkAXYABYHmVHOBRTATNXLTABYHnLHnVALBNYSRALTBRLAM
RAYSKYmVTVBnAYnLVVHOBRTmATNXLTVLBTVVAmAYnLVBTVNTTmATNXLTVLAXYVAmAYnLVAXYmVNTTm
ATNXLTVLAXYABYVAmAYnAXYmLABYVVNTTmATNXLTVLSARVHQRBALYVMMSPXTVVYRSATHVHYTHLBNYYS
RALLXQTMSP+KASRCVHYHVAHATMSHVYAMRYHVHALMSHOLHALHRHOBRyMHZHVRAHATHARcASRNTTYLBNYYS
RALVRYATHATHVNA\$PTALOMYkGmATHKASRNA\$PAHRnAXYkKASRMRYmPYBMDBRcNBMYRYBTHODHLHQDYSN
YBmYmLOYNYHmHmMYMRYBTQDSMDBRCnVYDBRMSHALYHVHLAMRYPPQDYHVHALHYHRVXTLKLBSRAYSOLHODH
ASRYCALPNYHmVASRYBALPNYHmVASRYVCYAmVASRYBYAmVLATHYHODTYHVHKCAnASRAYnLHmROHVYAMRY
HVHALMSHQXLKATYHVSOBnVnAYSASRRVXBVV\$MKATYDkOLYVVMODTATVLPNYALOZRHKHnVLPNYKLHO
DHVCVYTHATVLOYNYHmVNTTHMHVDkOLYVLMOnYSMOVKLODTBNYSRALVLPNYALOZRHKHnYOMDVSALLVBM
SP+HAVRYmLPNYHVHOLPYVYCAVOLPYVYBAVHVAVKLBNYSRALATVVKLHODHVYOSMSHKASRCVHYHVHAT
VVYQXATYHVSOVYOMDHLVLPNYALOZRHKHnVLPNYKLHODHVY\$MkATYDYVOLYVYCVHVKASRDBRYHVHBYDMS
HVYDBRYHVHALMSHLAMRCVATBNYSRALVAMRTALHmATQRBNYLXMYLASRYXNYXXYTSMRVLHQRYBLYBMO
DVMAMRTLHmZHHASHASRTQRYBVLVYHVHKBSYmBNYSNHTMYMmSNYmLYmOLHTMYDATHKBSAXDTOSHBQRVA
THKBSHSNYTOSHBYNHORBYmVOSYRYTHAYPH\$LTLMNXHBLVHLBSMnKTYTRBYOTHYHnOLTTMYDHOSYHBR\$
YNYLRYXNYXASHLYHVHVn\$KVRBYOTHYHnLKBShAXDBQDSH\$KNSKSKRLYHVHVATHKBSHSNYTOSHBYNHOR
BYmKMNXTHBQRVKN\$KVTOSSHASHRYXNYXXLYHVHVBYmHSBTsNYKBSYmBNYSNHTMYMmVSNYOSRNYm\$LTMN
XHBLVHLBSMnVN\$KVOLTOSHTSHTVOLOLTHMTYDVN\$KHVBRASYXDSYKmtQRVYBOLHLYHVHPRYmBNYBQRS
YmVAYLAXDKBSYmBNYSNHSBOHTMYMmVSLSHOSRNYm\$LTMNXHBLVHLBSMnLPRHAXDVSNYOSRNYm\$LTMNXH
BLVHLBSMnLAYLHAXDVOSRnOSRVn\$LTMNXHBLVHLBSMnLKBShAXDOLHRYXNYXASHLYHVHVn\$KYHmXCYH
HYnYHYHLPRVSLYSTHYHnLAYLVRBYOTHYHnLKBsYnZATOLTxDsBXDSVLXDSYHSNHVSOYROZYmAXDLX+A
TLYHVHOLOLTHMTYDYOSHVN\$KVVBXDSHRASVnBARBOHOSRYmLXDS\$XLYHVHVBMXSHOSRYmLXDSHZHX
GSBOTYmYmMCVYAKLBYVmHRASVnMQRAQDSKMLAKTOBDHLATOSVVHQRBtmASHOLHLYHVHPRYmBNYBQRS
NYmVAYLAXDVSOBKBSYmBNYSNHTMYMmHYVVLKmmVNXtm\$LTBLVHLBSMnSLSHOSRNYmLPRVSNYOSRNYmL
AYLTOsvOSRVnOSRVnTOSHLKBShAXDLsBOTHKBSYmVSOYRX+ATAxDLkPROLYKMLBDOLTHBQRASRLOLTH
TMYDTOSVATALHKALHTOSVLYVmSBOTYmYmLXmASHRYXNYXXLYHVHOLVLTHTMYDYOSHVN\$KVVBVYmHSBY
OYMQRQDSYHYHLKMLAKTOBDHLATOSVVBYVmHBKVRyBmBHQRyBkmMNXHXDSLHYHVHBSBOTYKMQRAQD
SYHYHLKMLAKTOBDHLATOSVVHQRBtmOVLHLRYXNYXXLYHVHPRYmBNYBQRSNYmAYLAXDSBOHKBSYmBN
YSNHVMNXtm\$LTBLVHLBSMnSLSHOSRNYmLPRHAXDSNYOSRNYmLAYLHAXDOSRVnOSRVnLKBShAXDLsBOTH
KBSYmSOYROZYmAXDLKPROLYKMLBDOLTHMTYDVNXTVTOSVIMYmYHYVVLKmmVN\$KYHmVBXDSHsBYOBAX
DLXDSMQRAQDSYHYHLKMLAKTOBDHLATOSVYmTRVOHYHYHLKmmVOSYtmOLHLRYXNYXXLYHVHPRBnBQR
AXDAYLAXDKBSYmBNYSNHSBOHTMYMmVMNXtm\$LTBLVHLBSMnSLSHOSRNYmLPRSNYOSRNYmLAYLVOSRVnA
XDLKBSHAXDLsBOTHKBSYmVSOYROZYmAXDX+ATLkPROLYKMLBDOLTHXDSVMNXTHVOLTHMTYDVNXTHVn
\$KYHmKMSP+mLRYXNYXASHLYHVHVBOsvRLXDSHsBYOYHZHMQRQDSYHYHLKmmVONYtmATNPSTYKMLMLA
KHLATOSVVHQRBtmOLHLYHVHRYXNYXXPRBnBQRAXDAYLAXDKBSYmBNYSNHSBOHTMYMmHYVVLKmmVNXtm\$
LTBLVHLBSMnSLSHOSRNYmLPRSNYOSRNYmLAYLHAXDOSRVnOSRVnLKBShAXDLsBOTHKBSYmSOYROZYmAX
DX+ATMLBDX+ATHKPRYmVOLTHMTYDVNXTHVn\$KYHmVBXMSHOSRYmLXDSHsBYOYMQRQDSYHYHLKML
LAKTOBDHLATOSVVXGTmXGLYHVHsBOTYmYmVHQRBtmOLHSHRYXNYXXLYHVHPRYmBNYBQRSLSHOSRAYLm
SNYmKBSYmBNYSNHARBOHOSRTMYMmHYVVMNXtm\$LTBLVHLBSMnSLSHOSRNYmLPRHAXDLsLSHOSRPRYmS
NYOSRNYmLAYLHAXDLsNYHAYLmVOSRVnOSRVnLKBShAXDLARBOHOSRKBsYmVSOYROZYmAXDX+ATMLBDOL
THMTYDMNXTHVN\$KHVBYVmHSNYPRYmBNYBQRSNYmOSRAYLmSNYmKBSYmBNYSNHARBOHOSRTMYMmVMNXtm
VN\$KYHmLPRYmLAYLmVLKBSYmBM\$PRmKMSP+VSOYROZYmAXDX+ATMLBDOLTHMTYDVNXTHVn\$KYHmVBYV
mHSLYSYPRYmOSTYOSRAYLmSNYmKBSYmBNYSNHARBOHOSRTMYMmVMNXtmVN\$KYHmLPRYmLAYLmVLKBSYm
BM\$PRmKMSP+VSOYRX+ATAxDMLBDOLTHMTYDVNXTHVn\$KHVBYVmHRBYOYPRYmOSRHAYLmSNYmKBSYmBN

YNSHARBOHOSRTMYMmMNXtmVN\$KYHmLPRYmLAYLmVLKBSYmBM\$PRmKMSP+VSOYROZYmAXDX+ATMLBDOLT
HTMYDMNXTHVN\$KHVBYVmHXMYSPRYmTsoHAYLmSNYmKBSYmBNYSNHARBOHOSRTMYMmMNXtmVN\$KYHmL
PRYmLAYLmVLKBSYmBM\$PRmKMSP+VSOYRX+ATAXDMLBDOLTHTMYDMNXTHVN\$KHVBYVmHSSYPYmSMNHA
YLmSNYmKBSYmBNYSNHARBOHOSRTMYMmMNXtmVN\$KYHmLPRYmLAYLmVLKBSYmBM\$PRmKMSP+VSOYRX+A
TAXDMLBDOLTHTMYDMNXTHVN\$KYHBYVmHsBYOYPRYmSBOHAYLmSNYmKBSYmBNYSNHARBOHOSRTMYMmVM
NXtmVN\$KHmLPRYmLAYLmVLKBSYmBM\$PRmKMSP+mVSOYRX+ATAXDMLBDOLTHTMYDMNXTHVN\$KHBYVmHSM
YNYOCRTHYHLKMLLAKTOBDHLATOSVHQRBTmOLHSHRYXNYXXLYHVHPRAXDAYLAXDKBSYmBNYSNHsB
OHTMYMmMNXtmVN\$KYHmLPRLAYLVLKBSYmBM\$PRmKMSP+VSOYRX+ATAXDMLBDOLTHTMYDMNXTHVN\$KHA
LHTOSVLVYHBMVODYKMLBDMNDRYKMLVNDBTYKMLLOTYKMLMNXTYKMLVn\$KYKMLVSLMYKMLVYAMRMSHALB
NYYSRALKKLASRCVHYHVHATMSHVYDBRMSHALRASyHM+VTLBNYSRALLAMRZHDBRASRCVHYHVHAYSKYYD
RNDRLYHVHAVHSBOSBOHLA\$RA\$ROLNPSVLAYLXDBRVKHLHYCAMPYVYOSHVASHKYTDRNDRLYHVHVA\$RHA\$
RBBYTABYHBNORYHVSMOABYHATNDRHVA\$RHASRA\$RHOLNPSHVHXRYSLHABYHVQMKLNDRYHVKLA\$RASRA
\$RHOLNPSHYQVmVAmHNYAABYHATHBYVmSMOVKLNDRYHVA\$RYHASRA\$RHOLNPSHLAYQVmVYHVHY\$XLHLKY
HNYAABYHATHVAmHYVTHYHLAYSVNDRYHOLYHAVMB+ASPTYHASRA\$RHOLNPSHVSMOAYSHBYVmSMOVHXR
SLHVQMVNDRYHVA\$RHASRA\$RHOLNPSHYQMVVAmBYVmSMOAYSHYNYAAVTHVHPRATNDRHASROLYHVATMB+A
SPTYHASRA\$RHOLNPSHVYHVHY\$XLHLVNDRALMNHVGRVSHKLASRA\$RHOLNPSHYQVmOLYHVAmBYTAYSHNDR
HAVA\$RHA\$ROLNPSHBSBOHVSMOAYSHVHXRSLHLAHNYAAHVQMKLNDRYHVKLA\$RASRA\$RHOLNPSHYQVmV
AmHPRYPRAmTAYSHBYVmSMOVKLMVCASPTYHLNDRYHVLASRNPSHLAYQVmAYSHHPmVYHVHY\$XLHLKLNDRV
KLSBOTARLONTNP SAYSHYQYMNVAAYSHYPRNVVAmHXRSYXRYSLHAYSHMYVmALYVmVHQYmATKLNDRYHAVA
TKLA\$RYHASROLYHHQYmATmKYHXRSLHBYVmSMOVVAmHPRYPRAmTAXRYSMOVNSAATOVNHHLHHXQYmASRC
VHYHVHATMSHBYnAYSLASTVBYnABLTBVBNOYHYBYTABYHVYDBRYHVHALMSHLAMRNQmNQMTBNYYSRALMAT
HMDYnYmAXRTA\$PALOMYkVYDBRMSHALHOMLAMRHXLcVMATKMLANSYmLcBAVYHYVOLMDYnLTTNQMTYHVHBM
DYnALpLM+HALpLM+HLKLM+VTYSRALTSLXVLCBAVYM\$RVMALPYYSRALALpLM+HSNYmOSRALpXLCVYCB
AVYSLXATmMSHALpLM+HLCBAAmVATPNX\$BnALOZRHKHnLCBAVKLYHQDSVXCCRVTHTRVOHBYDVVYCB
AVOLMDYnKASRCVHYHVHATMSHVYHRGVKLZKRVAATMLKYMDYnHRGVOLXLLYHmATAVYVATRQmVATCVRVATXRVAT
RBOXMSTMLKYMDYnVATBLOmBnBOVRHRGVXRBVYSBVBNYYSRALATNSYMDYnVAT+PmVATKLBHMTmVATKLM
QNHmVATKLYLmBZZVATKLORYHmBMVSBTmVATKL+YRtmSRPVBASVYQXVATKLSLLVATKLMQVXBADmV
BBMHVYBAVALMSHVALALOZRHKHnVALODTBNYYSRALATHSByVATHMLQVXVATHSLLALHMxNHALORBTmVAB
ASROLYRDnYRXVYCAVMShVALOZRHKHnVKLNSYAYHODHLQRATmALMXVcLMXNHVYQCpMSHOLPQVDYHXYLS
RYHALPYmVSRYHMAVTHBAYmMCBAHMLXMHVYAMRALYmMSHHXYTmKLNQBHHnHNHYYVLBNYYSRALBDBRBL
OmLm\$RMOLBYHVHOLDBRPOVRVTHYHMGPHBODTYHVHVOVTHHRGVKLZKRb+pVKLASHYDOTAYSLMSKBZKRHRG
VVKLH+pBNSYmASRLAYDOVMMSKBZKRHXVYLKMLVATmXNVMXVcLMXNHSBOTYmKMLHRGNPsvKLNGBXLLTTX
+AVBYVmHSLYSYVBYVmHSBYOYATmVSBYKMLVKBGDVVKLKYOVVRVKLMOSHozYmVVKLKYocTTX+AVVYAMRAL
OZRHKHnALANSYHCBAHBAYmLMLXMHZATXQTHTVRHASRCVHYHVHATMSHAKATHZHBVATHK\$PATHNXSTATHB
RZLATHBDYLVAthOPRtkLDBRASRYBABASTOBYRVBASV+HRakBMYNDHYTX+AVKLASRLAYBABASTOBYRVB
YmVKB\$TmBGDYKMLBYVmHSBYOYV+HRtmVAXRTBAVALHMxNHVYAMRYHVHALMSHLAMRSAAATRASMLQVXHSBYB
ADmVBBMHATHVALOZRHKHnVRASYABVTHODHVXCyTATHMLQVXBYnTPSYHMLXMHYCAyMLCBAVBYnKLHOD
HVHRMTMK\$LYHVHMATANSYHMLXMHYCAyMLCBAAXDNPsmXMSHMAVTmHADmVmMnHBQRVmMnHXMRVmMnHCA
nMMXCYTmTQXVNTTHLALOZRHKHnTRVMTYHVHVMMXCTBNYYSRALTQXAXDAXZMnHXMSYmMnHADmMnHBQRM
nHXMRVmMnHCAnMKLHBHMHVNTTHATmLLVYmSMRYMSMRTMSKnYHVHVYOSMSHVALOZRHKHnKASRCVHYHVH
ATMSHVYHYHMLQVXYTRHBZASRBZVzVomHCBAcAnSSMAVTAALpVSBOMYmALpVXMSTALPYmVBQRSNYmVSBOMYm
LpVXMRVmAXDVSSYmALpVNPADmMnHNSYmASRLAYDOVMMSKBZKRKLNPSSYmVSLSYmALpVTHYHMXCHXLQH
YCAyMBCBAM\$PRHCAnSLSMAVTALpVSLSYmALpVSBOTALPYmVXMSMAVTVYHYHMK\$LYHVHMnHCAnSSMAVTX
MSVSBOMYmVHBQRSSHVSLSYmALpVMK\$mLYHVHNSYmVSBOMYmVXMRVmSLSYmALpVXMSMAVTVMK\$mLYHVHAXD
VSSYmVNPSADmSSHOSRALpVMK\$mLYHVHNSYmVSLSYmNPSVYtMMSHATMK\$TRVMTYHVHVALOZRHKHnKASRC
VHYHVHATMSHVMMXCYTBNYYSRALASRXCHMSHMnHANSYmHCBAyMvTHYMXCTHODHMnHCAnSLSMAVTALpVSL
SYmALpSBOTALPYmVXMSMAVTVBQRSSHVSLSYmALpVXMRVmSLSYmALpVXMSMAVTVNPSADmSSHOSRALpVYQ
XMSHMMXCTBNYYSRALATHAXZAXDMnHXMSYmMnHADmVmMnHBHMHVYtTnATmLLVYmSMRYMSMRTMSKnYHVHKAS
RCVHYHVHATMSHVYQRBVALMSHHPQDYmASRLALPYHCBASRYHALPYmVSRYHMAVTVYAMRVALMSHOBdYkNSAV
ATRASANSYHMLXMHASRBVNDVLANPQDMNVAYSVNQRBATQRbnYHVHAYSASRMCAKLYZHBACODHVCMYD+BO
TOGYLVKVMZLKPRLNPSTYNVLPNYHVHVYQXMSHVALOZRHKHnATHZHBMATmKLLYMOshVYHYKLZHBHTRV
MHASRHRVMVLYHVHSSHOSRALpSBOMAVTVXMSYmSQLMATSRYHALPYmVMATSRYHMAVTANSYHCBAZVZVAYS
LVYQXMSHVALOZRHKHnATHZHBMATSRYHALPYmVHMAVTVYBAVATVALAHLMVODZKRVnLBNYYSRALLPNYHYV
HVMQNRHBHYHLBNYRAVBnVLBNYGDcVmMADVYRAVATARcYOZRVATARcGLODVHNNHMqVmMQVmQNHVYBAV
BNYGDVBNYRAVBnVYAMRVALMSHVALALOZRHKHnVALNSYAYHODHLAMRO+RVTVDYBnVYOZRVNMRHVXSBVnV
ALOLHVSbMvNBVBOnHARcASRHKHVHLPNYODTYSRALAcMQNHVAVLobDYkMQNHVYAMRVAmMCANVXnB
OYNKYtNATHARcHZATLobDYkLAXZHALTOBRNVATHYRDnVYAMRMSHLBNYGDVBLBNYRAVBnHAXYKMLYBAVLM
LXMHVATmTSEBPHVLMHTNVAVnATLBNYYSRALMOBRALHARcASRNTnLHmYHVHKHOSVABTYKMLBLSXYATmMQ

DSBRNOLRAVTATHARcVYOLVODNXLASKVLVYRAVATHARcVYNYAVATLBBNYSRALLBLTYBAALHARcASRNTn
LHmYHVHVYXRApYHVHBYVmHVAVYSBOLAMRAmYRAVHANSYmHOLYmMMCRYmMBnOSRYmSNHVMOLHATHADMH
ASRNSBOTYLABRHmLYCXQVLYOQBKYLAMLA VAXRYBLTYKLBbnYPNHQNZYVYHVSOBnNVnKYMLAVAXRYHV
HVYXRApYHVHBYSRALVYNOmBMDBRARBOYmSNHODTmKLDHVRHOSHHRBOBYNYHVHVHVNHQmTmTXXTABTYKmT
RBVTANSYmX+AYmL\$PVTODVOLDXRVnApYHVHALYSRALKYTSVbnMAXRYVVY\$PpOVDLHNYXVBMDBRVSXZTmLKL
HOMHZHVYGSVALYVVYAMRVGDRTCAnNBnHLMQNNVPHVORYmL+PNVVANXNVNXLcXSYmLPNYBNYSRALODAS
RAmHBYANmALMQVMmVYSB+PNVBORYHMBRCMPNYYSBYHARcLANSVBALBTYNVODHTNXLBNYSRALAYSNXL
VKYLANXLA TmMOBRLYRDnVHLAHKYBAHNXL TNVALYNVMOBRHYRDnMZRXHVYAMRALYmMSHAmTOSVnATHD
BRHZHAMTXL CVLPNYHVHMLMLXMHVOBRLKmKXLVcATHYRDnLPNYHVHODHVRYSVATAYBYVMPNYVVKBSH
HARcLPNYHVHVAXRTSBVVHYmTmNQYmMYHVHVMSRALVHYTHHARcHZATL KmLAXZHLPNYHVHVAmLATOSV
nKnHNHX+ATmLYHVHVDVX+ATKmASRTMCAATKmBNVLKmORYmL+PKmVGDRTLCNAKmVHYCAMPYKmTOSVVYA
MRBNYGDVBNYRAVBnALMSHLAMROBDYkYOSVKASRADNYMCMVH+PNVNSYNVMQNNVVKLBHMTNVYHYVSmBORYH
GLODVOBDYkYOBRVKLXLVcCBALPNYHVHMLMLXMHKASRADNYDBRVYCVLHmMSHATALOZRHKHnVATYHVSOBn
NVnVATRASYABVTm+VTLBNYSRALVYAMRMSHALHmAmYOBRVBNYGDVBNYRAVBnATKmATHYRDnKLLXLVcLM
LXMHLPNYHVHVKNBSHHARcLPNYKmVNTmLHmATARcHGLDOLAXZHVAmLAYOBRVXLVCYmATKmVNAZXVBTK
KmBARcKNOmVYONVBNYGDVBNYRAVBnLAMRATASRDBRYHVHALOBDYkKnNOSHXXNVNOBRXLVCYmLPNYHVH
ARcKNOmVATNVAXZTNXL TNVMOBRLYRDnVY TnLHmMSHLBNYGDVBNYRAVBnVLXCYSB+MNSHbnVY\$PaTMM
KT\$YXnMLkHAMRYVATMMLKTVOGMLkHBSnHARcLORVHGBL TORIYHARc\$BYBVYBNVBNYGDATDYBnVATO+RT
VATORORVATO+RTSVnVATYOZRVYGBHVAATBYTNMRHVATBYTHRnORYMBCRVGDRTCAnVBNYRAVBnBNVATX
SBVnVATALOLAVATQRYYTYmVATNBVVATBOLMOVnMV\$BTmVATSMBHVYQRAVBSMTATSMVTHORYmASRBNVY
LKVBNYMKYRBmMNSHGLDHYVYKDHVYVRSATHAMRYASRBHVY TmMSHATHGLODLMKYRBmMNSHVYSBBHVYAYR
BmMNSHLLkVYKDATXVTYHmVYQRAATHnXVTYAYRVNBXHLkVYKDATQNTVATBNTYHVYQRALHNBXBSMVALH
M\$OYBNYSRALASRYCAVMARcMCRYmL CBA TmBYDMSHVAHRnVYKTBMSHATMVCAHYmLM\$OYHmOLPYHVHVAL
HM\$OYHmLMVCAHYmVY\$OVMMROM\$ \$BXDSHRASVnBXMSHOSRYmLXDSHRASVnMMXRTHP\$XYCAVBNYSRALBY
DRMHLOYNYKLMCRYmVMCRYmMQBRYmATASRHKHYHVHBMKLBKVRVBALHYHmOSHVHVHSP+YmVY\$OVBNYSR
ALMROM\$ \$VYXNVB\$KTVY\$OVMSKT VYXNVBA TmASRBQCHHMDBRVY\$OVMA TmVY SBOLPYHXRYTASROLPNYBOL
CPVnVYXNVLPNYMGDLVY\$OVMPNYHXRYTVYOB RVBTkHYmHMDBRHVYLVKVD RkSLSTYmYmBMDBRA TmVYXNVB
MRHVY\$OVMMRHVYBAVAYL MHVBAYLmSTYmOSRHOYNTmYmVSBOMYmTMR YmVYXNVSmVY\$OVMA YLmVYXNVOLYm
\$VpVY\$OVMYm\$VpVYXNVBMDBR\$YnVY\$OVMMDBR\$YnVYXNVBDPQHVVY\$OVMDPQHVVYXNVBALVSVY\$OVMALVS
VYXNVBRPYDmVLAHYHSmYmLmOmLSTVTVY\$OVMPRYDmVYXNVBMDBR\$YnVY\$OVMMDBR\$YnVYXNVBQBRTH
TAVHVY\$OVMQBRHTAVHVYXNVBXCRTVY\$OVMXCRVYXNVBR TMHVY\$OVMR TMHVYXNVBRMnPrCvY\$OVMRm
PrCvYXNVBLBNHVY\$OVMLBNHVYXNVBR\$HVY\$OVMR\$HVYXNVBQHLTHVY\$OVMQHLTHVYXNVBHRSPRVY\$OV
MHRSPRVYXNVBRDHVY\$OVMXRDRHVYXNVBMQHLTVY\$OVMMQHLTVYXNVBTXTVY\$OVMTXTVYXNVBTRXVY\$OV
MTRXVYXNVBMTQHVVY\$OVMMTQHVVYXNVBXS MNHVY\$OVMXSMNHVYXNVBM\$RVTVY\$OVMM\$RVTVYXNVBBNYOQn
VY\$OVMBNYYOQnVYXNVBRXRGDGDVY\$OVMXRHDGDGVYXNVBY+BTHVY\$OVMY+BTHVYXNVBOBRNHVY\$OVMOB
RNHVYXNVBOCYnGBRVY\$OVMOCYnGBRVYXNVBMDBRChHVAQDSVY\$OVMQDSVYXNVBHRHHRBQCHARcADVmVY
OLAHrnHkHnALHRHHROLPYHVHVYMTSmBSNTHARBOYmL CATBNYSRALMARcMCRYmBXDSHXMYSYBAXDLXD
SVAHRnBnSLSVOSRYmVMATSNHBMVBRHHRHVYSMOHKNONYMLkORDVHVAYSBBNGBBARcKNOmBBABNYSRA
LVY\$OVMRHHRHVYXNVBCLMNHVY\$OVMLMNHVYXNVBFPVnVY\$OVMPVnVYXNVBABTVY\$OVMA BTVYXNVBOY
YHOBRYmBGBVLMVABVY\$OVMOYmVYXNVBDYBnGDVY\$OVMDYBnGDVYXNVBOLMnDBLTYMHVY\$OVMO LMnDBL
TYMHVYXNVBHRHYHOBRYmLPNYNBVVY\$OVMRHYHOBRYmVYXNVBORBTMVABOLYRDnYRXVYXNVOLHYRDnMBy
THYSMTODABLHS+YmBORBTMVABVYDBRYHVHALMSHBORBTMVABOLYRDnYRXVLAMRDBRALBNYSRALVAMRT
ALHmKYATmOBRYmATHYRDnALARcKNOmVHVRSTmATKLYS BYHARcMPNYKmVABDTmATKLM SKY TmVATKLC LMY
M\$K TmTABDVVATKLBMTmTSMYDVHVRS TmATHARcVYSB TmBHKYL KmNTTYATHARcLRSTATHVHTNXLTmATH
ARcBGVRLMLMSPXTYKmL RBTRBVATNXLT VVLMO+TMOY+ATNXLTVALASRYCALVSMHGVRLLVYHYHLM+VTABT
YKmT TNXLVVA mLATVRYSVATYSBYHARcMPNYKmVHYHASRTVTYRVHMmLSKYmBOYNYKmVLCNYNmBCDYKmVCR
RVATKmOLHARcASRATmYSBYmBHVVYHKASRDMYTYLOSVTLHmAOSHLKmVYDBRYHVHALMSHLAMRCVATBNYS
RALVAMRTALHmKYATmBAYmALHARcKNOmZATHARcASRTPLLKmBNXLHARcKNOmLGBLTYHVHYHLKmPATNGBM
MDBRCnOLDYADVmVHYHLKmGBVLNGBMQCHYmHMLXQDMHVN\$BLKmHGBVLMNGBLMOLHOQRBYmVOBR CNHVY
HTVCATYVMNGBLQDSBRNOVYCAXCRA DRVOBROCMNHVN\$BHGBVLMOCMVnNXLHMCRYmVHYVTVCATYVHYMHVG
BVL YmVHYHLKmHmHGDVVLGBVLZHYHYHLKmGBVL YmVZHYHYHLKmGBVLCPVnMnHYmHGDLT TAVL KmHRHHRM
HRHRTTAVLBAXMTVHYVTV CATHGBL CDDHVYCAHGBLZPRNHVHYVTVCATYVXCROYNnZHYHYHLKmGBVLCPVn
VHTAVY TmL KmLGBVLQDMHMXCROYNnSPMHVYRDHGBLMSpMHRBLHMQDmLOYnVYRDHGBLVMXHOLKTP YmKNRT
QDMHVYRDHGBVLHYRDNHVHYVTVCATYVYmHMLXZATTHYHLKmHARcLGBLTYH\$BYBVYCVMSHATBNYSRALLA
MRZATHARcASRTTNXLVATHBGVRLASRCVHYHVLTTLT SOTHM+VTVXCYHM+HKYLQXVM+HBNYHRAVB NYLBYT
ABTmVm+HBNYHYDYLBYTABTmVXCYM+HMNSHLQXVNXLTmSNYHM+VTVXCYHM+HLQXVNXLTmMOBRLYRDnYRX
VQDMHMZRHXHVYDBRYHVHALMSHLAMRALHSMVTHANSYmASRYNXLVL KmATHARcALOZRHKHnVYHVSOBnNVnVN
SYAAXDNSYAAXDMM+HTQXVLNXLATHARcVALHSMVTHANSYmLM+HYHVHDHKLBBnYPNHVLM+HBNYSMOVnSMVA

LBnOMYHVDLM+HBNYMnALYDDBnK\$LVnVLM+HBNYDnNSYABQYBnYGLYLBnYV\$PLM+HBNYMNSHNSYAXNYA
 LBnAPDVLm+HBNYAPRYmNSYAQMVALBnSP+nVLM+HBNYZBVLnNSYAALYCPnBnPRNkVLM+HBNYYSSKRNSYA
 PL+YALBnOznVLM+HBNYASRNSYAAxyHVDBnSLMYVLM+HBNYNPTLYNSYAPDHALBnOMYHVDALHASRCVHYHV
 HLNLXLATBNYYSRALBARcKNOnVYDBRYHVHALMSHBORBTMVABOLYRdnYRXVLAAMRCVATBNYYSRALVNTNVLV
 YmMNXLTAXZTmORYmLSBTVMGRSLORYm\$BYBTYHmTNTNVLVYmVHYVHORyMmLHmLSBTVMGRSYHmYHYVLBhMT
 mVLrKSmVLKLYTmVMGRSYHORYmASRTTNVLLVYmMQYRHOYRVXVCHALpAMH\$BYBVMdTmMXVcLOYRATPATQ
 DMHALPYmBAMHVATPATNGBALPYmBAMHVATPATYmALPYmBAMHVATPATCPVnALPYmBAMHVHOYRBTV\$KZHYHY
 HLHmMGRSYHORYmVATHORyMmASRTTNVLLVYmATSSORYHMQl+ASRTTNVLN\$SMHRCXVOLYHmTNTNVARBOYmV
 STYmOYRKLHORYmASRTTNVLLVYmARBOYmVSMNHOYRATHnVATMGRSYHnVHORYmASRTTNVMAXZTBNYYSRAL
 MATHRBTRBVVMATHMO+TMOY+VAYSXPYNXLTVASRYNXLVYmMORYVLLVYmVYDBRYHVHALMSHLAMRDBRALB
 NYYSRALVAMRTALHmKYATmOBRyMATHYRDnARCHKNOVHQRyTmLkMORYmORYMQL+THYHNHLKmVN\$SMHRCX
 MKHNPSBSGGHVHYVLKMHORyMLMQL+MGALVLAymVTHRCXODOMDVLPNYHODHLMSP+VHORYmASRTTNVSSORY
 MQL+THYHNHLKmatSLSHORyMTTNVMOBRLYRDnVATSLSHORyMTTNVBARcKNOnORYMQL+THYHNHLBNYSRA
 LVLGRVLTVSBTVKmtHYHNHSSHORyMHALHLMQL+LNV\$SMHKLKHNPSBSGGHVAmBKLYBRZLHKHVVMTRCX
 HVAMVTYVMTHRCXVAmBABnYDASRYMVTBHKHVVMTRCXHVAMVTYVMTHRCXAVBKLYOcYDASRYMVTBVHKHV
 VYMTTRCXHVAMVTYVMTHRCXGALHDmHVAymYTATHRCXBPGOVbVHVAymTNVAmBSNAHYHDPNVAVHSLYkOLYV
 BCDYHVYMTAVBAYBHKKHVBYDVVYMTMVTYVMTHMKHRCXHVAGALHDmYMTATHRCXBPGOVBVAmBPTOBLAAy
 BHHDPAVAVHSLYkOLYVVKLYBLACDYHAVBKLABnASRYMVTBHBLARAVTVYPLOLYVVYMTVHVALAAVYBLVLA
 MBQSRQTVVSP+VHODHBYnHMKHVBYnGALHDmOLHMSp+YmHALHVHCYLVHODHATHRCXMYDGALHDmVHSYBVAT
 VHODHALOYRMQL+VASRN\$SMHVYSBBHODMVTkHnHGDLASRMSXATVBSMnHQDSVAmYCAyCAHRCXATGBVLOY
 RMQL+VASRYNV\$SMHVMCAATVgALHDmMXVcLGBVLOYRMQL+VVRCXGALHDmATHRCXAYnLVdmKYBOYRMQL+V
 YSBODMVTkHnHGDLVAXRYMVTkHnHGDLVSVBHRXCALARcAXZTVVHYVALHLKMLXQTMSP+LDRTYKMBKLMV
 SBTYKMLMKHNPSLPYODYmYRCXATHRCXVODAXDLAYONHBNPSLMVTVLATQXVKPRLNPSRCXASRHVAR.SOLMV
 TKYMTYVMTVLATQXVKPRLNV\$ALOYRMQL+VLSVLSBTBARcODMVTkHnVLTATXNYPVATHARcASRATmBHKY
 HDmHVAYXNpATHARcVLARcLAYKPRLDmASRSPkBHKYAmBDmSPKVVLAT+MAATHARcASRATmYsBYmBHASRA
 NYSkNBTVKHKYANYYHVHskNBTVkBNYYSRALVYQRBRASyHABVTLMSFPXTBNYgLODBnMKYRBnMNSHMMSPXT
 BNYV\$PvYDBRVLPNYMShVLPNYHNSAYmRASyABVTBNYYSRALVYAMRVATADNYCVHYHVHLTTATHARcBNXL
 HBGVRLBNYYSRALVADNYCVHYHVHLTTATNXLTCLPXDAxNVLBNTYVHYVLAxDMBNYSB+YBNYYSRALLNS
 YmVNGROHNXLtnMNXLTABTYNVNVN\$POLNXLTHM+HASRTHYHNHLHmVMGRNLXLtnVYgROVAmYHYHHYBLBN
 YYSRALVNV\$PHNXLtnOLNXLTHM+HASRTHYHNHLHmVMNXLTm+HABTYNVYGRONXLtnVYCVMSHATBNYYSRAL
 OLPYHVHLAMRKnM+HBNYV\$PDBRYmZHDBRASRCVHYHVHLBNVTCPLXDLAMRL+VBBOYNYHmTHYHNHLSY
 mAkLMSPTM+HABYHmTHYHNHLSYmVLTAT\$BNXLHLBNYYSRALMM+HALM+HKYAYSBNXLTM+HABTYVYDBQVB
 NYYSRALVKLBTYRS'TNXLHMM+VTBNYYSRALLAXDMSPXTM+HABYHTHYHLASHLMonYRSVBNYYSRALAYSXN
 LTABTYVVLAT\$BNXLHMM+HLM+HAXRKYAYSBNXLTVYDBQVM+VTBNYYSRALKASRCVHYHVHATMSHKnOSVBNV
 TCLPXDVTHYHNHMLHTRCHVXGLHVMLKHVNOHBNVTCPLXDLBNYDDYHnLNSYmMMSPXTBNYMNSHBNYV\$PHYV
 LNSYmVTHYXNLtnOLM+HMSPTABYHnALHMCVTVHMSp+YmASRCVHYHVHBYDMSHALBNYYSRALBORBTMVAB
 OLYRdnYRXV

00000000111111111122222222223333333333334444444444555555555566666666667777777777

12345678901234567890123456789012345678901234567890123456789012345678901234567890

=====

This version of Numbers with 63,530 Hebrew letters (22 plus 5 Finals)
 is adapted from Steve Gross's transliterated Tanach,
 including Torah,
 which provides an English transliterated ASCII version of Tanach.

See <http://www.shamash.org/tanach/tanach/text/transliterated.tanach/>

=====