

=====

This version of Deuteronomy with 54,892 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

=====

00000000011111111122222222233333333334444444445555555556666666667777777778

1234567890123456789012345678901234567890123456789012345678901234567890

=====

ALHHDBRYmASRDBRMSHALKLYSRALBOBRHYRDnBMDBRBORBHMVL\$VpBYnPARnVBYNtPLVLBnVXCRTVDYZH
BAXDOSRYVmMXRBDKkHRSOYRODQDSBRNOVYHYBARBOYmSNHBOSTYOSRXDSBAXDLXDSDBRMSHALBNYYsRA
LKKLASRCVHYHVHATVALHmAXRYHKTIVAT\$YXnMLkHAMRYASRYVSBBXSBVnVATOVGMLkHBSnASRYVSBBOST
RTBADROYBOBRHYRDnBARcMVBHVAYLMSHBARATHTVRHHZATLAMRYHVHALHYNVDBRALYNVBXRBLAMRRBL

KmSBTBHRHZHPNV\$OVLKmVBAVHRHAMRYVALKLSKNYVBORHBHRVBSP LHVBNGBVBXVpHYmARcHKNONYVH
LBNVnODHNHRHGD LNHRPRTRAHNNTTYLPNYKmATHARcBAVVRSVATHARcASRNSBOYHVHLABTYKmLABRHmLYC
XQVLYOQBLTTLHmVLZROmAXRYHmVAMRALKmBOTHVVALAMRLAAVKLLBDYSATATKmYHVHALHYKmHRBHATKm
VHNKmHYVmKKVKBYHSMYmLrBYHVHALHYABVTkmY\$POLYKmKkMAlpPOMYmVYBRkATKmKASRDBRLKmAYKHA
SALBDY+RXKmVMSAKmVRYBKmHBVLKmANSYmXKMYmVNBNYmVYDOYmLSB+YKmVASYMmBRASYmVTONTVATYV
TAMRV+VBHDBRASRDBRTLOSVTVAQXATRASYSB+YKmANSYmXKMYmVYDOYmVATnAVTmRASymOLYKmSRYALP
YmVSRYMAVTVSRYXMSYmVSRYOSRTVS+RYmLSB+YKmVACVHATSP+YKmBOTHVVALAMRSMOBYnAXYKmVSP+T
mCDQBYnAYSvBYnAXYVVBYnGRVLATKYRVPNYmBMSP+KQ+nKGDLTSMOVnLATGVRVMPNYAYSkyHMSp+LALH
YmHVAVHDBRASRYQSHMKmTQRBVnALYVSMOTYVVACVHATKmBOTHVVAATKLHDBRYmASRTOSVnVN\$OMXRBVN
LkATKLHMDBRHGDVLVHNVR AHHVAASRRAYTmDRkHRHAMRYKASRCVHYHVHALHYNVATNVNBAODQDSBRNOVA
MRALKmBATmODHRHAMRYASRYHVHALHYNVNTnLnVRAHNTnYHVHALHYkLPNYkATHARcOLHRSKASRDBRYHVH
ALHYABTYkLkALTYRAVALTXTVTQRBVnALYKLKmVTAMRVNSLXHANSYmLPNYNVVYXPRVLNVATHARcVYSBVA
TNVDBRATHDRkASRNOLHBHVATHORYmASRNBAALYHnVY+BBONYHDBRVAQXMKmSNYmOSRANSYmAYSAXDL
SB+VYPNVVYOLVHHRHVYBAVODNXLASKLVYRGLVATHVYQXVBYDmMPRYHARcVYVRDVALYNVYSBVATNVDBR
VYAMRV+VBHHARcASRYHVHALHYNVNTnLnNVVLAABYTmLOLTVTMRVATPYHYHVHALHYKmVTRGNVBAHLYKmVTA
MRVBSNATYHVHATNVHVCYANVMARcMCRYmLTATNVBYDHAMRYLHSMYDNVANHANXNVOLYmAXYNVHM\$VATLB
BNVLAMROmGDVLVRmMMNVORYmGDLTVBCVRTBSMYmVGmBNYONQYmRAYNVSmVAMRALKmLATORCv nVLATYRA
VnMhmYHVHALHYKmHHLkLPNYKmHVAYLXmLkMkKLASROSHATKmBMCRYmLOYNYKmVMBDBRASRRAYTASRNSA
kYHVHALHYkKASRYSAAYSATBNVBKLDHRkASRHLKtmODBAKmODHMqVmHZHVDBDRHZHAYNKmMAMYnMBYHVH
ALHYKmHHLkLPNYKmBDRkLTVRLKmMQVmLXNTKmBASLYLHLRATKmBDRkASRTLKVHBVBONnYVmVSMOYHV
HATQVLDDBRYKmVYQCPVYSBOLAMRmYRAHAYSBANSYmHALHHDVHRHOHZHATHARcH+VBHASRNSBOTYLTTLA
BTYKmZVLTYKLBBnYPNHVAYRANHVLVATnATHARcASRDRkBVHLBNYVYOnASRMLAAXRYHYHVHGM BYHTANpY
HVHBGLLkLmLAMRGmATHLATBASmYHVSOBnNnHOMDLPNYkHVAYBASMHATVXZQKYHVAYNXLNHATYSRALV+P
KmASRAMRTmLBZYHYHVBNYKmASRLAYDOVHYVm+VBVROHMHYBAVSMHVLHmATNNHVHmYYSRVHVA TmPNVLKm
V\$OVHMDBRHDKYm\$VpVTONTVVTAMRVALYX+ANVLHYVHANXNVNOLHVNLXmNVKKLASRCVNVYHVHALHYNVVT
XGRVAYSATKLYMLXMTVVTHYNVLOLTHHRHVYAMRYHVHALYAMRLHmLATOLVVLATLXmVKYAYNNYBQRBKmVLA
TNGPVLPNYAYBYKmVADBRALYKmVLA SMOtmVTMRVATPYHYHVHTZDVVTOLVHHRHVYCAHAMRYHYSSBBHRHHVA
LQRATKmVYRDPVATKmKASRTOSYNHDBRYmVYKTVATKmBSOYRODXRMHVT SBVVTBKVLPNYHYHVHLASMOYHV
HBQLKmVLAHAZYnALYKmVTSBVBQDSYMYmRBYmKYMYmASRYSBtmVNPnVN\$OHMDBRHDKYm\$VpKASRDBRYH
VHALYVN\$BATHRSOYRYMYmRBYmVYAMRYHVHALYLAMRRBLKm\$BATHHRHZHPNVL KmCPNHVATHOmCVLAMRAT
mOBRYmBGBVLAXYKmBNYOSVHYSBYmBSOYRVYRAVMKmVNSMRtmMADALTTGRVBmKYLAATnL KmMARCMODMD
RkKpRGLKYRSHLOSVENTTYATHRSOYRAKLTsBRVMAtmBK\$pVAKLTmVGMmYmTKRVMAtmBK\$pVSTYtmKYHYV
HALHYkBRKkBKLMOSHIDkYDOLKTkATHMDBRHGDLHZHZHARBOYmSNHYHVHALHYkOMkLAX\$RTDBRVNOBRMA
TAXYNVBNYOSVHYSBYmBSOYRMDRkHORBHMAYLTMOCYnGBRVNPnVNOBRDRkMDBRMVABVYAMRYHVHALYAL
TCRATMVABVALTTGRBmMLXMHKYLAATnLkMARCVYRSHKYLB NYLV+NTTYATORYRSHHAMYmLPNYmYSBVBHOM
GDVLVRBVRmKONQYmRPAymYXSBVApHmKONQYmVHMABYmYQRAVLHmAMYmVBSOYRYSBVHXRYmLPNYmVB NYO
SVYYRSVmVYSMYDmMPNYHmVYSBVTXTmKASROSHYSRALLARCYRSTVASRNTnYHVHLHmOTHQM VVOBRVLKmA
TNXLZRDVNOBRATNXLZRDVHYMYmASRHLKNVMQDSBRNOODASROBRNVATNXLZRDSLSYmVSMNHSNHODTmKLH
DVRANSYHMLXMHMQRBHMXNHKASRNSBOYHVHLHmVGMnYDYHVHHYTHBmLHmMQRBMXNHODTmVYHYKASRTM
VKLANSYHMLXMHLMVTMQRBHOMVYDBRYHVHALYLAMRATHOBRHYVmATGBVLMVABATORVQRB TMVLBNYOMVnA
LTCRmVALTTGRBmKYLAATnMARcBNYOMVnLkYRSHKYLB NYLV+NTTYHYRSHARcRPAymTXSBAPHVARPAYmYS
BVBHLPNYmVHOMNYmYQRAVLHmZMZMYmOmGDVLVRBVRmKONQYmVYSMYDmYHVHMPNYHmVYYRSmVYSBVTXTm
KASROSHLBNYOSVHYSBYmBSOYRASRHSMDYATHXRYMPNYHmVYYRSmVYSBVTXTmODHYVmHZHVHOVYmHYSBY
mBXCRYmODOZHKPTRYmHYCAYmMKPTRHSMYDmVYSBVTXTmQVMV\$OVVOBRVATNXLARNnRAHNNTTYBYDKAT\$Y
XnMLkXSBVnHAMRYVATARCvHXLRSVHTGRBVMLXMHHYVmHZHAXLTTPXDKVYRATkOLPNYHOMYmTXXKLHSMY
mASRYSMOVnSMOKVRGZVVXLVMPNYkVASLXMLAKYmMMDBRQDMVTAL\$YXVnMLkXSBVnDBRYSLVmLAMRAOBR
HBARckBDRkBDRkAlkLAA\$VRYMYnVSMAVLAKLBK\$pTSBRNYVAKLTyVMYmBK\$pTTnLYVSTYTYRQAOBRHBR
GLYKASROSvLYBNYOSVHYSBYmBSOYRVHMAVBYmHYSBYmBORODASRAOBRATHYRDnALHARcASRYHVHALHYN
VNTnLnVVLAA BH\$YXnMLkXSBVnHOBRNVBK YHQSHYHVHALHYkATRVXVAMcATLBBVLMOnTTVB YDkKYVmH
ZHVVYAMRYHVHALYRAHXLTYTTLPNYkAT\$YXnVATARCvHXLRS LRSTATARCvVYCA\$YXnLQRATNVHVAVKLOM
VLMLXMHYHCHVYTNHYHVHVALHYNVLPNYNVVNkATVVATBNVATKLOMVNLKDATKLORYVBOTHHVA VNXRmAT
KLOYRMtmVHNSYmVH+pLAHSARNVSRYDRQBHMBBZZNVNLNVSSLHORYmASRLKDNVMORORASROLSPNTXKLAR
NnVHOYRASRENXLVODHGLODLAHYTHQRYHASRSGBHM MNVATHKLNtnYHVHALHYNVLPNYNVNRQALARcBNYOMV
nLAQRBTkLYDNXL YBQVORYHHRVKLASRCVHYHVHALHYNVNPNVNO LDRkHBSnVYCAOVGMLkHBSnLQRATNVH
VAVKLOMVLMLXMHADROYVYAMRYHVHALYALT YRAATVKYBYDkNTTYATVVATKLOMVVATARCvVOSY TTLVKASO
SYTL\$YXnMLkHAMRYASRYVSBXSBVnVYtnYHVHALHYNVBYDNVGMATOVGMLkHBSnVATKLOMVVNKHVODBLT
YHSAYRLVSRYDVNLKDATKLORYVBOTHHVALAHYTHQRYHASRLALQXNVMAtmSSYmOYRKLXBLARGBMLKTOVG
BBSnKLALHORYmBCRTXVMHGBHHDLTymVBRYXLBDMORYHPRZYHRBHMADVNXRmAVtmKASROSYNVL\$YXnMLk

XSBVnHXRmKLOYRMtMhNSYmVh+pVKLHBHMHVSL LHORYmBZVNVLNVNQXBOTHHVAATHARcMYDSNYMLKYHA
MRYASRBOBRHYRDnMNXLARnNODHRXRMVnCYDNYmYQRAVLXRMVnSRYnVHAMRYQRAVLVSNYRKLORYHMYSR
VKLHGLODVKLHBSnOD\$ LKHVADROYORYMMLKTOVGBBSnKYRQOVGMLkHBSnNSARMYTRHRPAYmHNHORSVORS
BRZLHLHHVABRBtBNYOMVnT\$OAMVTARKHVARBOAMVTRXBHBAMTAYSVATHARcHZATYRSNVBOTHHVAMOROR
ASROLNXLARnNvXCYHRHGLODVORYVNTTYLRAVBNYVLGDYVYTRHGLODVKLHBSnMMLKTOVGNTTYLXCYSB+H
MNSHKLXBLHARGBLKLHBSnHHVAYQRAARcRPAYmYAYRBnMNSHLQXATKLXBLARGBODGBVLHGsvrvYVHMOKTY
VYQRAATmOLSMVATHBSnXVTYAYRODHYVmHZHVLmKYRNTTYATHGLODVLRABNYVLGDYNTTYMnHGLODVODN
XLARnNtVKhNXLVGBLVODYBQHNLGBVLBNYOMVnVHORBHvHYRDnVGBLMKNRTVODYmHORBHymHMLXTXTAS
DTHP\$GHMZRXHVACVATKmBOTHVALAMRYHVHALHYKmNTnLkMATHARcHZATLRSTHXLVCYmTOBRVLPNYAXY
KmBNYYSRALKLBNYXYLRQNSYKmV+PKmVMQNKmYDOTYKYMQNHRBLKmYSBVBORYKmASRNTTYLkMODASRYNY
XYHVHLAXYKmKKmVYRSVGmHmATHARcASRYHVHALHYKmNTnLHmBOBRHYRDnVSBTmAYSlyRSTVASRNTTYLk
mVATYHVSVOCVYTYBOTHVALAMROYNYkHRATATKLASROSHYHVHALHYKmLSNYHMLKYmHALHKnYOSHYHVHL
KLHMLKVTASRATHOBRSMHLATYRAVmKYHVHALHYKmHVAHNLXmLkMvATXNnALYHVHOTHVALAMRADNYY
HVHATHHXLVTLHRAVTATOBdKatGDLkVATYDkHXZQHASRMALBSMYmVBARcASRYOSHKMOSYkVKGBVRTkAO
BRHNAVARRAHATHARcH+VBHASRBOBRHYRDnHHRH+VBHZHVHLBNnVYTOBRYHVHBYLmONKmVLAASMOALVYAM
RYHVHALYRBLkALTv\$PDBRALYOVBDBRHZHOLHRASHP\$GHVSAOYNYkYMHVCPNHVTYMNHVmZRXHVRABOY
NYkKYLATOBRAHYRDnHZHVCVATYHVSOVXZQHVVAMCHVKYHVAYOBRLPNYHOMHZHVHVAYNXYLAVTmATHAR
cASRTRAHVNSBBGYAMVLBYTPOVRVOTHYSRALSmoALHXQYmVALHMSp+YmASRANKYMLMDATKmLOSVTLMOnT
XYVVBATmVYRSTmATHARcASRYHVHALHYABTYKmNTnLkMLAT\$PVOLHDBRASRANKYMCVHATKmVLATGROVMM
NVLsmRATmCVTYHVHALHYKmASRANKYMCVHATKmOYNYKmHRAVTATASROSHYHVHBBOLPOVRKYKLHAYSASR
LkAXRYBOLPOVRHSMYDVYHVHALHYkMQRBkVATmHDBQYmBYHVHALHYKmXYNmKLKmHYVmRAHLMDDTYATKmXQ
YmVMSP+YmKASRCVNYYHVHALHYLOSVTKnBQRBHARcASRAtmBAYmSMHLRSTHVSMRTmVOSYtmKYHVAXKMTK
mVBYNtKmLoYNYHOMYmASRYSMOVnATKLHXQYmHALHVAMVRVQOmXKmVNBVnHGVYHGDVLHZHKYMYGVYGDVL
ASRLVALHYmQRBymALYVVKYHVHALHYNVBKLQRANVALYVVMYGVYGDVLASRLVXQYmVMSP+YmCDYQmKKLHTVR
HHZATASRANKYNTnLPNYKmHYVmRQHSMRLkVSMRNPskMADPnTSKXATHDBRYmASRRAVOYNYkVPnY\$SVRMLB
BkKLYMYXYkVHVDOTmLBNYkVLBNYBNYkYVmASROMDTLPNYHVHALHYkBXRBbAMRYHVHALYHQHLLYATHO
mVASMOmATDBRYASRYLMDVnLYRAHATYKLHYMYmASRHmXYNmOLHADMHVATBNYHmYLMdVnVTQRBVnVTOMDV
nTXTHHRVHHRBORBASODLBHSMYmXSkONnVORPLVYDBRYHVHALYKmMTVKhASQVLDDBRYmATmSMOYmVTMVNH
AYNKmRAYmZVLTYQVLVYGDLKmATBRYTVASRCVHATKmLOSVTOSRTHDBRYmVYKTbmOLSNYLVXTABNYmVATY
CVHYHVHOTHVALMDATKmXQYmVMSP+YmLOSTKmATmBARcASRAtmOBRymSMHLRSTHVNSMRTmMADLNPST
YKmKYLARAYtmKLTMVNHBVYmDBRYHVHALYKmBXRBMtVKhASPNtSXTVnVOSYtmLkMp\$LTmVNTKL\$MLTBNY
TZKRAVNQBHTBNYTKLBHMHASRBARcTBNYTKLCPVRKNpASRTOVpBSMYmTBNYTKLRMSBADMHtBNYTKLDGHA
SRBMymMTXTLARcVPnTSAOYNYkHSMYMHVRAYTATHSMSVATHYRXVATHKVKBYmKLCBAHSMymVNDXTVHSTXV
YTLHmVOBDtmASRLQYHVHALHYkATmLKLHOMymTXTKLHSMYmVATKmLQXYHVHVYVCAATKmMKVRHBRZLMMC
RYmLHYVTLVLomNXLHKYVmHZHVYHVHHTANpBYOLDBRYKmVYSBOLBLTYOBRYATHYRDnVLBLTYBAALHARcH
+VBHASRYHVHALHYkNTnLkNXLHKYANKYMTBARcHZATAYNNYOBRATHYRDnVATmOBRymVYRSTmATHARcH+V
BHHZATHSMRVLKmPnTSKXVATBRYTYHVHALHYKmASRKRTOMKmVOSYtmLkMp\$LTmVNTKLASRCVkyHVHALHY
kKYHVHALHYkASAKLHHVAALQNAKYTVLYDBNYmVBNYBNYmVNVSNtmBARcVHSXTmVOSYtmP\$LTmVNTKLVO
SYtmHROBOYNYHVHALHYkLHKOY\$VHOYDTYBKmHYVmATHSMYmVATHARcKYABDTABDVnMHRMOLHARcASRA
tmOBRymATHYRDnSMHLRSTHLATARYKnYmYmOLYHKYHSMdtSMDVnVHPYcyHVHATKmBOMymVNSARtmMTYM\$
PRBGVymASRYNHGYHVHATKmSMHVVOBDtmSmALHYmMOSHYYADmOcVABnASRLAYRAVnVLAYSMOVnVLAYAKL
VnVLAYRYXnVBQSTmSmATYHVHALHYkVMCATKYTDrsNVBKLlBbkVBKLNPskBCRLkVMCAVklLHDBRYmHAL
HBAXRYTHYmYmVSBTODYHVHALHYkVSMOTBQLVKYALRXVmYHVHALHYkLAYRPkVLAYSXYTkVLAYSXKXATBRY
TABTYkASRNSBOLHmKYSALNALYmYmRASNYmASRHYVLPNYkLMnHYVmASRBRAALHYmAdmOLHARcVLMQCHHS
MYmVODQCHHSMYmHNHYHKDBRHGDVLHZHAVHNSMOKMHVHSMOomQVLALHYmMDBRMTVKhASKASRSMOTATHVY
XYAVHN\$HALHYmLBVALQXTLVGVYMQRBGVYBM\$TBATTVMVPTYmVBMLXMHVBYDXZQHVBZRVON+VYHVBMVR
AYmGDLYmKKLASROSHLkmYHVHALHYkBMCRYmLoYNYkATHHRATLDOTKYHVHHVAHALHYmAynOVDMlBDVM
nHSMymHSMYOkATQLVLY\$RkVOLHARcHRAKATASVHGdVLHVBRYVSMOTMTVKhASVTXTKYAHBATABTYkVYB
XRBZROVAXRYVVVYCAkBPNYVBKXVHGDLMMCRYmLHVRYSGVYmGDLYmVOCMYmMMkMPNYkLHBYAkLTLTLkATA
RCmNXLHKYVmHZHVYDOTHYVmVHSBTALLBBkKYHVHHVAHALHYmBSMYmMMOLVOLHARcMTXTAYnOVdVSMRT
ATXQYVVAATmCVTYVASRANKYMCVkyHYVmASRY+BLkVLBNYkAXRYkVLMOnTARYkYmYmOLHADMHASRYHVHAL
HYkNTnLkKLHYMYmAZYBDYLMSSHLSORYmBOBRHYRDnMZRXHMSLNL\$SMHRVCXASRYRCXATROHVBBLYDOTV
HVALASNALVMTMLSLSmVn\$ALAXTMnHORYmHALVXYATBCRBMDRBRARcHMYSRlRAVBNYVATRAMTBGLDGLGD
YVATGVLnBBSnLMNSYVZATHTVRHASRSmMSHLPNYBNYYSRALALHHODTVHXQYmVHMSP+YmASRDBRMSHALBN
YYSRALBCATmMMCRYmBOBRHYRDnBGYAMVLBYTPOVRBARc\$YXnMLkHAMRYASRYVSBBSBVnASRHKMHSHVB
NYYSRALBCATmMMCRYmVYYRSVATARCvVATARCovGMLkHBSnSNYMLKYHAMRYASRBOBRHYRDnMZRXSMsmOR
ORASROLSPtNXLARnNvODHRSYAnHVAXRMVnVKLHORBHOBORHYRDnMZRXHVODYmHORBHTXTASDTHP\$GHVYQ
RAMSHALKLYSRALVYAMRALHmSMOYSRALATHXQYmVATHMSp+YmASRANKYDBRBAZNYKmHYVmVLMDtmATmVS

MRtMlOSTmYHVHALHYNVKRTOMNVBRYTBXRBLAATABTYNVKRTYHVHATHBRYTHZATKYATNVANXNVALHPHHY
VmKLNvVXYmPNYmBPNYmDBRYHVHOMKmBHRMTVtKHASANKYOMDBYnYHVHVBYNYKmBOTHVALHGYDLKmATDB
RYHVHKYyRATmMPNYHASVLAOLYtMbHRLAMRANKYYHVHALHYkASRHVCATYkMARcMCRYmMBYTOBDYmLAYHY
HLkALHYmAXRYmOLPNYLATOSHlkP\$IKLTMVNHASRBSmYmMMOLVASRBARcMTXTVASRBMymMTXTLARcLATs
TXVHLHmVLATOBdMkYANKYYHVHALHYkALQNAPQDOvNABVTOLEBNymVOLSLSYmVOLRBOYmLSNAYVOSHx\$DL
ALPYmLAHBYVLSMRYMCVTVLATSAATSmYHVHALHYkLSVAKYLAYNQHYHVHATASRYSAATSMVLsvASmVRATYV
mHSBTLQDSVKASRCVkyHVHALHYkSSTYMYmTOBDVOSYTKLMLAKTkvYVmHSBYOYsBTLYHVHALHYkLATOSHK
LMLAKHATHVBNkVBTkVOBDkVAMTkvSVRkVXMRkVKLBHMTkVGRkASRBSORYkLMonYNVXOBDkVAMTkKMMVkv
ZKRtKYOBdHYTBARcMCRymVYCAkYHVHALHYkMSmBYDXZQHVBZRON+VYHOLKnCVkYHVHALHYkLOSVTATY
VmHSBTKBDATABYkVATAMkKASRCVkyHVHALHYkLMonYARYKnYMYkVLMonYY+BLkOLHADMHASRYHVHALHY
kNtnLkLATRCXVLATNapVLATGNBVLATONHBROKODSVAVLATXMDASTROkVLATTAVHBYTROkSDHVVOBDVVA
MTVSVRVVXMRVVKLASRLROkATHDBRYmHALHDBRYHVHALKLQHLKmBHRMTVtKHASHONnVHORPLQVLGDVLVLA
Y\$PvYKTBmOLSNYLXTABNymVYTNmALYVYHYKSMOKmATHQVLMTVkHXSkVHHRBORBASVTQRBVnALYKLrASY
SB+YKmVZQNYKmVTAMRVHnHRANVYHVHALHYNVATKBDVVATGDLVVATQLVSMONVMTVtKHASHYVmHZHRAYNVK
YYDBRALHYmATHADmVXYVOThLMHNMVTKYtAKLNvHASHGDLHHZATAmY\$PYmANXNVLsmOATQVLHYHVHALHYN
VOVDVMTNVKYMkLBSRASrsmOQVLALHYmXYmMDBRMTVtKASKMNVVYXYQRBATHVsmOATKLASRYAMRYHVH
ALHYNVVATTDbrALYNVATKLASRYDBRYHVHALHYNVALYkVSMONVVOsYNVvYSmoYHVHATQVLDBRYKmBDBRK
mALYVYAMRYHVHALYSMOTYATQVLDBRYHOMHZHASRDBRVALYkHY+YBVKLASRDBRVMYYTnVHYHLBbmZHLHm
LYRAHATYVLSMRATKLMCVTYKLHYMYmLMonYY+BLHmVLBNYHmLOLmLkAMRLHmSVBVLKmLAHLKYmVATHPHO
MDOMDYVADBRHALYkATKLHMCVHVHXQYmVHMSP+YmASRTLMDmVOSVBARcASRANKYNTnLHmLRSTHVSMTmL
OSVTkASRCVHYHVHALHYKmATKMLAT\$SRVYMYnVSMALBKLHDRKASRCVHYHVHALHYKmATKmTLKVLMonTXYVn
V+VBLKmVHARKTmMYmBARcASRTYRSVnVZATHMCVHHXQYmVHMSP+YmASRCVHYHVHALHYKmLLMDATKmLOS
VTBARcASRATmOBRymSMHLRSTHLMonTYRAATYHVHALHYkLSMRATKLXQTYVVMCVTYVASRANKYMCVtKATHVB
NkVbnBNkKLYMYXYkVLMonYARKnYMYkVSMOTYSRALVSMRTLOSVTASRY+BLkVASSTRBVnMADKASRDBRY
HVHALHYABTYkLkARcZBTXLBVBDSsmOYSRALYHVHALHYNVHVHAXDVAHBTATYHVHALHYkBKLLBBkVBKLN
PSkVBKLMADkVHYVHDBRYmHALHASRANKYMCVkyHYVmOLLBBkVSNNtmLBNYkVDBRTBmBSBTkBBYTkvBLKTK
BDRkVBSKBkVBQVMkVQSRtmLAVTOLYDkVHYVL++PTBYnOYNYkVKTBtmOLMZZVTBYTkVBSORYkVHYHYKYB
YAkYHVHALHYkALHARcASRNSBOLABTYkLABRhmLYCXQVLYOQBLTTLKORYmGDLTV+BTASRLABNYTVBTYmM
LAYmKL+VBASRLAMLATVBRTXCVBYmASRLAXCBTKRMymVZTYTmASRLAN+OTVAKLTVSBOTHSMRLkPnTSKXA
TYHVHASRHVCYAkMARcMCRYmMBYTOBDYmATYHVHALHYkTYRAVATVTOBDVBsmVTSBOLATLKVnAXRYALHYm
AXRYmMALHYHOMymASR\$BYBVTYKmKYALQNAYHVHALHYkBQRBkPnYXRhapYHVHALHYkBkVHSMYDkMOLPNY
HADMHLATN\$VATYHVHALHYKmKASRN\$YTmBM\$HSMVRTSMRVnATMCVTYHVHALHYKmVODTYVVXQYVASRCVkv
OSYTHYSRVH+VBBOYNYYHVHLMonYY+BLkVBATVYRSATATHARcH+BHASRNSBOYHVHLABTYkLHDpATKLAYBY
kMPNYkKASRDBRYHVHKYYSALkBNkMXRLAMRMHODTVHXQYmVHMSP+YmASRCVHYHVHALHYNVATKmVAMRTL
BNkOBDYmHYNVLPROHBMCRYmVYCYANVYHVHMMCRYmBYDXZQHvYtYHVHVAVTVMPTYmGDLYmVROYmBMCr
YmBPROHBKLBYYTVLOYNNVAVTNVHVCYAMSmLMonHBYAATNVLTTLNVATHARcASRNSBOLABTYNVVYCVNV
YHVHLOSVTATKLHXQYmHALHLYRAHATYHVHALHYNVL+VBLNVKLHYMYmLXYTNVKHYVmHZHVCDQHTHYHLNVK
YNSMRLOSVTATKLHMCVHHZATLPNYHVHALHYNVKASRCVNVKYBYAkYHVHALHYkALHARcASRATHBASMHLR
STHVNSLGVYmRBymMPNYkHXTYVHGRGSYVHAMRYVHKNONYVHPRZYVHXVYVHYBV\$YSBOHGVYmRBymVOCVMY
mMMkVNTNmYHVHALHYkLPNYkVHKYtMhXRmTXRYmATmLATKRTLHmBRYTVLATXNmVLATTXtnBmBTkLATtnL
BNVVBTVLATQXLBNkKYY\$YRATBNkMAXRYVOBDVALHYmAXRYmVXRHApyHVHBMkVHSMYDkMHRKYAmKHTOSV
LHmMZBXTYHmTTCVVMCBtmTSBRVVASYRHmTGDOVnVP\$YLYHmTSRPVnBASKYOmQDVSATHLYHVHALHYkBkB
XRYHVHALHYkLHYVTLVLOm\$GLHMKLHOMymASROLPNYHADMHAMRBKmMKLHOMymXSQYHVHBMkVYBXRBMkM
YATmHMO+MKLHOMymKYMAHBTYHVHATKmVMSMRVATHSBOHASRNSBOLABTYKmHVCYAYHVHATKmBYDXZQHvY
PDkMBYTOBDYmMYDPROHMLkMCRYmVYDOTKYHVHALHYkHVAHALHYmHALHNAMnSMRHBRyTVHX\$DLAHBYVV
LSMRYMCVTVLALpDVRVMSLmLSNAYVALPNYVLHABYDVLAYAXRLSNAVALPNYVYSLmLVVSMRTATHMCVHVATH
XQYmVATHMSP+YmASRANKYMCVkyHYVmLOSVTmVHYHOQBTsmOVnATHMSP+YmHALHVSMRTmVOSYtmATmVSMR
YHVHALHYkLkATHBRYTVATHx\$DASRNSBOLABTYkVAHBkVBRKkVHRBkVBRkPRYB+NkVPRYADMTkdGNkVTY
RSkVYCHRkSGRALPYkVOSTRTcANKOLHADMHASRNSBOLABTYkLTTLkBRVktHYHMKLHOMymLAYHYHBKQORV
OQRHVBBHMTkvH\$YRYHVHMMkKLXLVVKLMDVYMCRYmHROymASRYDOTLAYSYMmBkVNTNmBKLsnAYkVAKLTA
TKLHOMymASRYHVHALHYkNtnLkLATXV\$OYNkOLYHmVLATOBDataLHYHmKYMVQSHVALkKYtAMRBLBBKRBY
mHGvYmHALHMMNYAYKHAVKLLHVRYSmLATYRAMHmZKRTZKRATASROSHYHVHALHYkLPROHVLKLMCRYmHM\$T
HGDLTASRRaVOYNYkVHATTVMPTYmVHYDHXZQHvHZROHN+VYHASRHVCakYHVHALHYkKnYOSHYHVHALHYk
LKLHOMymASRATHYRAMPNYHmVGmATHCROHYSLXYHVHALHYkBmODABDHNSARymVHN\$TRYmMPNYkLATORcm
PNYHmKYHVHALHYkBQRBkALGDVLNVRAVNSLYHVHALHYkATHGVYmHALMPNYkMO+MO+LATVKLKLtmMHRP
nTRBHOLYkXYTHSDHVNTNmYHVHALHYkLPNYkVHMmMHVMHGDLHODHSMDmVNTnMLKYHmBYDkVHABDTATSMm
MTXTHSMymLAYTYCBAYSBPNYkODHSMDkATmP\$YLYALHYHmTSRPVnBASLATXMDK\$PvZHBOLYHmVLQXTLkP
nTVQSBVKYTVOBTYHVHALHYkHVAVLATBYATVOBHABTYtkVHYyTXRmKMHVsqcTSQCnVVTObtTOBNVKYXRm

HVAKLHMCVHASRANKYMCVkhYVmtSMRVnLOSvTLMonTXyVnVRBYTmVBATmVYRSTmATHARcASRNSBOYHVHL
ABTYKmVZKRTATKLBHDrkASRHVLYKkYHVHALHYkZHARBOYmSNHBMDBRLMonONTkLN\$TkLDOATATASRLBBk
HTSMRMCVTVAmLAVYONkVYROBKVYAKLkATHMnASRLAYDOTVLAyDOVnABTYkLMonHVDYOkKYLAOLHLXmLB
DVYXYHHAdmKYOLKLMVCAPYyYHVHYXYHHAdmSMLTtkLABLTmOLYkVRGLkLABCQHZHARBOYmSNHVDYDOTOmL
BBkKYKASRY\$RAYSATBNVYHVHALHYkMY\$RkVSMRTATMCVTYHVHALHYkLLkTBDKRYVVLyRAHATVKYyYHVH
ALHYkMBYAkALARc+VBHARcNXLmYmOYNTVTHMTYCAyMBBQOHVBHARcX+HVSORHVGPNVTANHVrmVnARc
ZYTSMnVDBSARcASRLABM\$KNTTAKLBHLXmLATX\$RKLbHARcASRABNYHBRZLVMHRRYHTXCBNXSTVAKLTVS
BOTVBRKTATYHVHALHYkOLHARcH+BHASRNTnLkHSMRLkPnTSKXATYHVHALHYkLbLTYSMRMCVTYVVMSP+Y
VVXQTYVASRANKYMCVkhYVmPnTAKLVSBOTVBTYm+BYmTBNHVYSBTVBQRkVCANkYRBYnVK\$PvZHBRYRBHLk
VKLASRLkYRBHVrmLBBkVSKXTATYHVHALHYkHMCVYAkMARcMCRyMmBYTOBDYmHMVLYKkBMDBRHGDLVHNV
RANXSSRpVOQRBCMAVnASRAYnMYmHMCYALkMYmMCVRHXLmYSHMAKLkMnBMDBRASRLAYDOVnABTYkLMO
nONTkVLMOnN\$TkLHY+BkBAxRYTkVAMRTBLBBkKXYVOCmYDYOSHLyATHXYLHZHVZKRTATYHVHALHYkKYH
VAHNTnLkKXLOSvTXyLLMonHQYmATBRYTVASRNSBOLABTYkKYVmHZHVHYHAmSKXTSKXATYHVHALHYkVHL
KTAXRYALHYmAXRYmVOBDTmVHSTXVYTLHmHODTYBKmHYVmKYABDTABDVnKGVYmASRYHVHMABYDMPNYKmK
nTABDVnQOBLATSMOVnBQVLYHVHALHYKmSMOYSRALATHOBRHYVmATHYRDnLBALRSTGVYmGDLYmVOCMYmM
MkORYmGDLTvBCRTBSMYmOmGDVLRmBNYONQYmASRATHYDOTVATHSMOTMYTYCBLPNYBNYONQVYDOTHYV
mKYyHVHALHYkHVAHOBRLPNyKASAKLHHVAYSMYDmVHVAYKNYOmLPNykvHVRSTmVHABDTmMHRKASRDBRYH
VHLkALTAMRBLBBkBHDpYHVHALHYkATmMLPNYkLAMRBCDQTYHBYANYyHVHLRSTATHARcHZATVBRsOTHGV
YmHALHYHVHMVRYSmMPNyKLABCDQTKVBYSRLBBkATHBALRSTATARCMKYBRsOTHGVYmHALHYHVHALHYkMV
RYSmMPNykVLMOnHQYmATHDBRASRNSBOYHVHLABTYkLABRHmLYCXQVLYOQBvYDOTKYLABCDQTKYHVHALH
YkNTnLkATHARcH+VBHHZATLRSTHYOmQSHORpATHZKRALTSKXATASRHQCPTATYHVHALHYkBMDBRLMnHY
VmASRYCATMARcMCRyMODBAKMODHMQVmHZHMMRYmHYTYmOmYHVHVbXRBHQCPtmATYHVHVYTANpYHVHBKm
LHSMYDATKmBOLTYHHRHLQXTLVXTHABNYmLVXTHBRYTASRKRTYHVHOMKmVASBBHRARBOYmYVmVARBOYmL
YLHLXmLAALKTYVMYmLASTYTYVYTYHVHALYATSNYLVXTHABNYmKtBYmBACBOALHYmVOLYHmKKLHDBRYm
ASRDBRYHVHOMKmBHRMTVkhASBYVmHQHLVHYMQCARBOYmYVmVARBOYmLYLHNTnYHVHALYATSNYLVXTHAB
NYmLVXTHBRYTVYAMRYHVHALYQVmRDMHRMZHKYSXTOMkASRHVCATMMCRyM\$RVMHRMnHDRkASRCVYTMOSV
LHmM\$KHYVYAMRYHVHALYLAMRRAYTYATHOmHZHVHnHOMQSHORpHVAHRpMMNYVASMYDmVAMXHATSMmMTXTH
SMYmVAOSHAVTKLVGYOCVmVRBMNVVAPnVARDMnHHRVHHRBORBASVSNYLVXTHBRYTOLSTYDYVARAVHnH
X+ATmLYHVHALHYKmOSYTMlKMOGLM\$KH\$RTmMHRMnHDRkASRCVHYHVHATKmVATPSBSNYHLXTVASLKMOL
STYDYDVASBRmLOYNYKmVATNPLLPNYyHVHKRASNHARBOYmYVmVARBOYmLYLHLXmLAALKTYVMYmLASTYTY
OLKLX+ATKmASRX+ATmLOSvTHROBOYNYyVHLKHOY\$VKYyGRTYMPNYHApVHXMHASRQCpYHVHOLYKmLHSM
YDATKmVYSMOYHVHALYGmBPOMHHVAVBAHRnHTANpYHVHMAADLHSMYDVVATPLLGmBODAHrnBOTHHVAVATX+
ATKmASROSYTMATHOGLLQXTYVASRpATVBASVAKTATV+XVnHY+BODASRDQLOPRVASLkATOPRALHNLXLYR
DMnHHRVBTBORHVBm\$HVBQBRTHTAHVHMQCPYmHYTYmATYHVHVBSLXYHVHATKmMQDSBRNOLAMROLVVRsvAT
HARcASRNTTYLKMtVMRVATPYyHVHALHYKmVLAHAMNTmLVVLASMOtmBQLVMMRYmHYTYmOmYHVHMYVmDOTY
ATKmVATNPLLPNYyHVHATARBOYmHYVmVATARBOYmHLYLHASRHTNPLTYKYAMRYHVHLHSMYDATKmVATPLLA
LYHVHVAMRADNYyHVHALTSXTOMkVNXLTKASRPDYTBGDLKASRHVCATMMCRyMByDXZQHZKRLobDYkLABRHm
LYCXQVLYOQBALTPnALQSYHmHZHVALRSOVVALX+ATVPnYAMRVHARcASRHVCATNVMSmMBLYYKLTyHVHLH
BYAmALHARcASRDBRLHmVMSNATVAVTmHVCYAmLHMTmBMDBRVHmOMkVNXLTKASRHVCATBKXkHGDLVBZROK
HN+VYHBOTHHVAAMRYHVHALYP\$LLkSNYLVXTABNYmKRASNYmVOLHALYHHRHVOSYTLkARVnOcVAKTBOLHL
XTATHDBRYmASRHYVOLHLXTHRASNYmASRSBRTVSMtmBARVnVAOSARVnOCYS+YmVAP\$LSNYLVXTABNYmKRA
SNYmVAOLHHRHVSNYHLXTBYDYVYKTBOLHLXTKMKTBHRASVnATOSRTHDBRYmASRDBRYHVHALYKmBHRMTVkh
HASBYVmHQHLVYTNmYHVHALYVAPnVARDMnHHRVASmATHLXTBARVnASROSYTYVYHYVSmKASRCVNYyHVHVB
NYYSRALN\$OVMBARTBNYYOQnMV\$RHSmMTAHRnVYQBRSmVYKHnALOZRBNTXTYVMSmN\$OVHGDGDHVMnHGD
GDHY+BTHARcNXLmYmBOTHHVAHBdYLYHVHATSB+HLVYLSATATARVnBRYTYHVHLOMDLPNYyHVHLsRTVVL
BRkBSMVODHYVmHZHOLKnLAHYHLLVYXLQVNXLHOMAXYVYHVHVANXLTVKASRDBRYHVHALHYkLVVANKYOM
DTYBHRKYMymHRASNYmARBOYmYVmVARBOYmLYLHVYSMOYHVHALYGmBPOMHHVALAABHYHVHHSXYTKYAMR
YHVHALYQVmLkLM\$OLPNYHOMVYBAVYYRSVATHARcASRNSBOTYLABTmLTTLHmVOTHYSRALMHYHVHALHYk
SALMOMkKYAmLYRAHATYHVHALHYkLLKTBKLDKRYVVAHBHATVvLOBDATYHVHALHYkBKLLBBkVBKLNPSkL
SMRATMCVTYHVHVATXQTYVASRANKYMCVkhYVmL+VBLkHnLYHVHALHYkHSMYmVSMYHSMYmHARcVKLASRBH
RQBABTYkXSQYHVHLAHBHAVTmVYBXRBRZOmAXRYHmBKmMKLHOMYmKYVmHZHVMLTmATORLTlBBKmvORPKm
LATQSOVODKYyHVHALHYKmHVAALHYHALHYmVADNYHADNYmHALHGDLHGBRVHNVRAASRLAYSAPNYmVLAYQX
SXDOSHMSP+YTmVALMNHVAHBGRLTTLVLXmVSMHLVAHBtmATHGRKYGRYmHYTMBARcMCRyMATYHVHALHY
kTYRAATVTOBDVBVTDBQVBsmVTSBOHVATHLTkVHVAAALHYkASROSHATkATHGDLTVATHNVRATHALHASRRAV
OYNYkBSBOYmNPSYRDVABTYkMCRyMHVOTHSMkYHVHALHYkKKVKBYHSMYmLRBVAHBtATYHVHALHYkVSMRT
MSMRTVVXQTYVVMSP+YVVMCVTYVKLHYMYmVYDOTmHYVmKYLAATBNYKmASRLAYDOVVASRLARAVATMV\$RYH
VHALHYKmATGDLVATYDVHXZQHvZROVHN+VYHVATATTYVVATMOSYVASROSHBTVkmCRyMLPROHMLkMCRyMv
LKLARCvVASROSHLYXLMCRyML\$V\$YVVLRKbVASRHcYpATMYm\$VpOLPNYHmBRDPmAXRYKmVYABDMYHVHO

DHYVmHZHVASROSHLkMbMBDRODBAKmODHMQVmHZHVASROSHLDtNVLABYRmBNYALYABBNRAVBnASRPCTHH
ARcATPYHVTBLomVATBTYHmVATAHLYHmVATKLHYQVmASRBRLYHmBQRBKLYSRALKYOYNYKmHRATATKLMO
SHYHVHHGDLASROSHVSMRTmATKLHMCVHASRANKYMCVKhYVmLMonTXZQVVBATmVYRSTmATHARcASRATmOB
RYmSMHLRSTHVLMonTARYKYVMYmOLHADMHASRNSBOYHVHLABTYKmLTTLHmVLZROmARcZBTXLVBVDSKYHA
RcASRATHBASMHRLRSTHLAKARcMCRYmHVAASRYCATmMSmASRTZROATZROkVHSQYTBRLGkKGNHYRQVHARcA
SRATmOBRYMsmHLRSTHARcHRYmVBQOTLM+RHSMYmTSTHMYmARcASRYHVHALHYkDRSATHTMYDOYNYHVHA
LHYkBHMRsYTHSNHVODAXRYTSNHVHYHAmSMOTSMOVALMCVTYASRANKYMCVHATKmHYVmLAHBHATYHVHALH
YKmVLOBDVBKLLBBKmVBKLNPSKmVNTTYM+RARCKmBOTVYVRHVMLQVSVAS\$PTDGNkVTYRSkVYCHRkVNTTYO
SBBSDkLBHMTkVAKLTVSBOTHSMRVLKmpnYPthLBBKmV\$RTmVOBDTmALHYmAXRYmVHSTXVYtmLHmVXRHAp
YHVHBKmVOCRATHSMYmVLAYHYHM+RVHADMHlATtnATYBVLHVABDTmMHRHMLHARcH+BHASRYHVHNTnLkM
VSMtmATDBRYALHOLLBBKmVOLNPSKmVQSRtmATmLAVTOLYDKmVHYVL+V+PTBYnoYNYKmVLMdtmATmATBN
YKmLDBRBmBSBTkBBYTkVBLKtkBDRkVBSKBkVBQVMkVKTBTmOLMZVZVTBYTkVBSORYkLMonYRBVYMYKmV
YMYBNYKmOLHADMHASRNSBOYHVHLABTYKmLTTLHmKMYHSMYmOLHARcKYAmSMRTSMRVnATKLHMCVHHZAT
ASRANKYMCVHATKmLOSTHLAHBHATYHVHALHYKmLLkTBKLDKRYVVLDBQBHVHVRYSYHVHATKLHGVYmHALH
MLPNYKmVYRSTmGVYmGDLYmVOCMYmMKmKLHMqVmASRTDRkKpRGLKmBVLKmYHYHmHMDBRVHLBNVnMnHNN
RNHRPRTVODHYmHAXRVnYHYHGBLkLmLAYTYCBAYSBNPYKmPXDKmVMVRAKMYTnYHVHALHYKmOLPNYKLHARc
ASRTDRKVBHKASRDBRLKmAHAHANKYNTnLPNYKmHYVmBRKHVQLLHATHBRKHASRTSMOVALMCVTYHVHALHYKm
ASRANKYMCVHATKmHYVmVHQLLHAmLATSMOVALMCVTYHVHALHYKmV\$RTmMnHDRkASRANKYMCVHATKmHYVm
LLkTAXRYALHYmAXRYmASRLAYDOtmVHYHKYBYAkYHVHALHYkALHARcASRATHBASMHRLRSTHVNTTHATHBR
KHOLHRGRZYmVATHQLLHOLHROYBLHLAHMHBOBRHYRdnAXRYDRkMBVAHSMsBARcHKNONYHYsBBORHmVLH
GLGLACLALVNYMRHKYATmOBRYMATHYRDnLBALRSTATHARcASRYHVHALHYKmNTnLkMvYRSTmATHVYSBTmB
HVSMTmLOSVTATKLHXQYmVATHMSP+YmASRANKYNTnLPNYKmHYVmALHXXQYmVHMSP+YmASRTSMRVnLOS
VBARcASRNTnYHVHALHYABTYkLkLRSTHKLHYMYmASRATmXYmOLHADMHABDTABDVnATKLHMqMVTASROBD
VSmHGVYmASRATmYRSYmATmATALHYHmOLHRYmHRMYmVOLHGBOVTVXTKLocRONnVNTCTmATMZBXtmVSB
RTmATMCBtmVASRYHmTSRPVnBASVP\$YLYALHYHmTGDOVnVABDTmATSMmMnHMqVmHVALATOSVnKnLYHVH
ALHYKmKYAmALHMqVmASRYBXRYHVHALHYKmMKLSB+YKmLSVmATSMVSmLSKNVTDRSVVBATSMHVHBAtmSMH
OLTYKmVZBXYKmVATMOSRTYKmVATTRVMTYDKmVNDRYKmVNDBTYKmVBKRTBQRKmVCANKmVAKLtmSmLPNYY
HVHALHYKmVSMXtmBKLMSLXYDKmATmVBTYKmASRBKkYHVHALHYkLATOSVnKKLASRANXNVOSYmPHHYVmA
YSKLHYSRBOYNYVKYLABATmODOTHALHMNVXHVHALHNXLHASRYHVHALHYkNTnLkVOBRtmATHYRDnVYSBTmB
ARcASRYHVHALHYKmMNXYLATKmVHNYXLKmMKLAYBYKmM\$BYBVYSBTmB+XVHYHHMQVmASRYBXRYHVHALHY
KmBVLsKnSMVSmMHTBYAVATKLASRANKYMCVHATKmOVLTYKmVZBXYKmMOSRTYKmVTRMTYDKmVKLMBXRND
RYKmASRTDRVLVYHVHSMXtmLPNYYHVHALHYKmATmVBNYKmVBNTYKmVOBDYKmVAMHTYKmVHLVYASRBSORY
KmKYAYnLVXLQVNXLHATKmHSMRLkPnTOLHOLTYkBKLMQVmASRTRAHKYAmBMQVmASRYBXRYHVHBAXDSB+Y
kSmTOLHOLTYkVSmTOSHKLASRANKYMCVkrQBKLAVTNPSkTZXVAKLTBSRKBRKTYHVHALHYkASRNTnLkBK
LSORYkH+MAVH+HVRyAKLNVKCBYVKAYLRQHdmLATAKLVLHARcTSPKNVKMYmLATVKLLAKLBSORYkMOSRD
GNkVTYRSkVYCHRkVBKRTBQRkVCANKVKLNDRYkASRTDRVNDBTYkVTRVMTYDkKYAmLPNYYHVHALHYkTAKL
NVBMQVmASRYBXRYHVHALHYkBVATHVBNkVBTkVOBDkVAMTkVHLVYASRBSORYkVSMXtLPNYYHVHALHYkBK
LMSLXYDKHSMRLkPnTOZBATHLVYKLYMYkOLADMTkKYRXYBYHVHALHYkATGBLkKASRDBRLkVAMRTAKLHB
SRKYTAVHNPSkLAKLBSRBKLAVTNPSkTAKLSRKYYRQMMkHMqVmASRYBXRYHVHALHYkLSVmSMVSmVZBXT
MBQRkVMCANKASRNTnYHVHLkKASRCVYTkVAKLTBSORYkBKLAVTNPSkAkKASRYAKLATHCBYVATHAYLKnTA
KLNVH+MAVH+HVRyXDvYAKLNVrQXZQLBLTYAKLHDmKYHdmHVAHNPSVLATAKLHNPSOmHBSRLATAKLNVOLH
ARcTSPKNVKMYmLATAKLNVLMonYY+BLkVLBNYkAXRYkKYTOSHHSRBOYNYHVHRQQDSYkASRYHYVLkVND
RYkTSAVBATALHMqVmASRYBXRYHVHVOsYToLTykHBSRVHdmOLMZBXHVHALHYkVdmZBXYkYSPkOLMZBX
HVHALHYkVHBSRTAKLSMRVSMOTATKLHDBRYmHALHASRANKYMCVklMonYY+BLkVLBNYkAXRYkODOVLmKYT
OSHH+VBVHYSRBOYNYHVHALHYkKYKRYTYHVHALHYkATHGVYmASRATHBASMHRLRSTAVtmMPNYkVYRSTAT
mVYSBTBARcmHSMRLkPnTNQsAXRYHmAXRYHSMdMPNYkVpNtDRSLALHYHmLAMRAYKHYOBDVHGvYmHALHA
TALHYHmVAOSHKnGmANYLATOSHKnLYHVHALHYkKYKLTVOBTYHVHASRNASOVLALHYHmKYGmATBNYHmVAT
BNTYHmYSRPVBASLALHYHmATKLHDBRASRANKYMCVHATKmATVTSMRVLOSvtLAT\$POLYVVLATGROMMNVKYY
QVmBQRBkNBAAVXLmXLVmVNTnALYkAVTAVMVPTVBAHAVTVHMPVTASRDBRALYkLAMRNlKHAXRYALHYmAX
RYmASRLAYDOtmVNOBDmLATSMOALDBRYHNBAAHVAVALXVLmHXLVmHHVAKYMN\$HYHVHALHYKmATKmLDO
THYSKmAHBYmATYHVHALHYKmBKLLBBKmVBKLNPSKmAXRYHVHALHYKmTLKVvatTVYRAVVATMCVTYVTSMR
VVBQLVTSMOVVATVTOBDVVBTDBQVnVHNBYAHHVAAVXLmHXLVmHHVAYVMtkYDBR\$RHOLYHVHALHYKmHmV
CYAATKmMARcmCRYmVHPDkMBYTOBDYmLHDYXkMnHDRkASRCVkyHVHALHYkLLkTBHVBOThROMQRbkYY\$
YTkAXYkBNAmkAVBNkAVBTkAVASTXYQkAVROkASRKNPSkB\$TRLAMRNlKHVNOBDHALHYmAXRYmASRLAYDO
TATHVABTYkMALHYHOMYmASR\$BYBTYKmHQRBYmALYkAVHRXQYmMMkMQCHHARcVODQCHHARcLATABHLVVL
ATSMOALYVVLATXV\$OYNkOLYVVLATXMLVLATK\$HOLYVKYHRGTHRGNVYDkTHYHBVBRASVNLHMYTVVYDKL
HOMBAXRNHV\$QLTVBABNYmVMTKYBQSLHDYXkMOLYHVHALHYkHMVCYAkMARcmCRYmMBYTOBDYmVKLYSRAL
YSMOVVYRAVnVLAYV\$PVLOSvTKDBRHRHozHBQRbkKYTSMOBAXTORYkASRYHVHALHYkNTnLkLSBTsmLAMR

YCAVANSYmBNYBLYOLMQRBkVYDYXVATYSBYOYRmLAMRNLKHVNOBDHALHYmAXRYmASRLAYDOTmVDRSTVXQ
RTVSALTHY+BVHNNHAMTNKVNhDBRNOSTHHTVOBHHZATBQRBkHKHTKHATYSBYHOYRHHVALPYXRBHXmATHV
ATKLASRBHVATBHMTHLPYXRBVATKLSLLHTQBcALTVkRXBHVSRPTBASATHOYRVATKLSLLHKLKLYLLYHVHALH
YkVHYTHTLOVLmLATBNHOVDVLAyDBQBYDkMAVMHMmHXRmLMOnYsVBVYHVHMXRVnAPVVNTnLkRXMYmVRXmK
VHRBkKASRNSBOLABTYkKYTSMOBQVLYHVHALHYkLSMRATKLMCVTYVASRANKYMCVkhYVmLOSvTHYSRBOYN
YYHVHALHYkBNYmATmLYHVHALHYKmlATTGDDVVLATSYMVQRXHBYNOnYNYKmLMTKYOmQDVSATHLYHVHALHY
kVBkBXRYHVHLHYVTLVLOm\$GLHMKLHOMYmASROLPNYHADMHLATAKLKLTVOBHZATHBHMHASRTAKLVSVRSH
KSBYmVSHOZYmAYLVCBYVYXmVRVAQVVDYSnVTAVVZMRVKLBHMHMPR\$TPR\$HVS\$OTS\$OSTYPR\$VTMOLTGR
HBBHMHATHATAKLVAkATZHLATAKLVMOLYHGRHVMPRY\$YHPR\$HHS\$VOHATHGMLVATHARNBTVATHSPnKYM
OLHGRHHMHVPR\$SHLAHPRY\$V+MAYmHmLkmVATHXZYRKYMPRY\$PR\$HHVAVLAGRH+MAHVALKmMBSRmLATAKL
VVBnBLTmLATGOVATZHTAKLVmKLASRBMymKLASRLV\$NPYRVQSOSTTAKLVVKLASRAYnLV\$NPYRVQSOSTLA
TAKLV+MAHVALKmKLCpVR+HRHTAKLVVZHASRLATAKLVMHmHNSRVHPR\$VHOZNYHVHRAHVATHAYHVHDYHLM
YNHVATKLORBLMYNVVATBTTHONHVATHTXM\$VATHSXpVATHNcLMYNHVATHKV\$VATHYNSVpVHTNSMTVHQAT
VATHRXMHVATHSLkVHX\$YDHVHANPHLMYNHVHDVKYPTVHO+LpVKLSRcHOVp+MAHVALKmLAYAKLVKLOVp+H
VRTAKLVLATAKLVKLNBLHLGRASRBsORYkTTNNHVAKLHAVMKRLNKRKYOmQDVSATHLYHVHALHYkLATBSLG
DYBXLBAMVOSRTOSRATKLTBVATZROKHCAHSDHSNHSNHVAKLTLPNYHVHALHYkBMQVmAASRYBXRSLKSnSMV
SmMOSRDGNkTYRSkVYCHRkVBKRTBQRkVCANkLMOnTlMDLYRAHATYHVHALHYkKLHYMYmVKYRBMHMKHDRk
KYLATVKLSATVKYRYXQMMkHMQVmAASRYBXYHVHALHYkLSVmSMVSmKYBRKkYHVHALHYkVNTTHBK\$PVCRT
HK\$PBYDkVHLKTALHMQVmAASRYBXYHVHALHYkBVVNTTHHK\$PbKLASRTAVHNPskBBQRVBCAnVBYYnVBSKR
VBKLASRTSALkNPskVAKLTsmLPNYHVHALHYkVSMXTATHVBYTkVHLVYASRBSORYkLATOZBNVKYAYnLVXL
QVNXLHOMkMQCHSLSSNYmTVCYAATKLMOSRTBVATkBSNNHHVAVHNXTBSORYkVBAHLVYKYAYnLVXLQVNXLH
OMkVHGRVHYTVmVHALMNHASRBSORYkVAKLVVSBOLMOnYBRKkYHVHALHYkBKLMOSHYDkASRTOSHMQcSBO
SNYmTOSHSm+HVZHDBRHSm+HSMV+KLBOLMSHYDVASRYSHBROHVLAYGSATROHVVATAXYVKYQRASm+HLVHV
HATHNKRYTGSVASRYHYHLkATAXYkTSM+YDkAP\$SKYLAYHYHBkABYVnKYBRkYBRKkYHVHBARcASRYHVHALH
YkNtNtLkNXLHLRSTHRQAmSMVOTSMOBQVLYHVHALHYkLSMRLOSVTATKLHMCVHHZATASRANKYMCVkhYVmKY
YHVHALHYkBRKkKASRDBRLkVHOB+TGVYmRBYmVATHLATOB+VMSLTBGVYmRBYmVBkLAYMSLVKYHYHBkAB
YVnMAXDAXYkBAXDORYkBARCKASRYHVHALHYkNtNtLkLATAMcATLBbKVLATQPcATYDkMAXYkHABYVnKYP
TXTPTXATYDkLVVHOB+TOBY+NVDYMX\$RVASRYX\$RLVHSMRLkPnYHYHDBROmLBBkBLYOLLAMRQRBHSNTHS
BOSNTHSM+HVROHOYNkBAXYkHABYVnVLATnLVVQRAOLYkALYHVHVHYHBkX+ANTVnTtNtLVVLAYROLBBkB
TtKLVKYBGLLHDBRHZHYBRKkYHVHALHYkBKLMOSkVBKLSLXYDkKYLAYXDLABYVnMQRBHARcOLKnANKYM
CVkLAMRPTXTPTXATYDkLAXYkLONykVLABYNkBARCKKYMKRLkAXYkHOBRYAVHOBRYHVOBDkSSSNYmVBS
NHHSBYOTTSLXNVXPSYOMkVKYTSLXNVXPSYOMkLATSLXNVRYQmHONYQTONYQLVMCANKVMGRNkVMYQBk
ASRBKkYHVHALHYkTtNtLVVZKRTKYOBdHYTBARCMCRYmVYPdkYHVHALHYkOLKnANKYMCVkATHDBRHZHH
YVmVHYHKYAMRALYkLAACAMOMkKYAHBKVATBYTkY+VBLVOMkVLQXTATHMRCOVNTTHBAZNVVBDLTVHYH
LkOBDOVLmVApLAMTktOSHKnLAYQSHBOYNkBSLXkATVXPSYOMkKYMSNHSKRskyROBDkSSSNYmVBRKkYH
VHALHYkBKLASRTOSHKLHBKVRASRYVLDBBQRkVBCANkHZKRTQDYSLYHVHALHYkLATOBDBBKRSVRkVLATG
ZBKVRCANkLPNYHVHALHYkTAKLVSNHBSNHBMQVmAASRYBXYHVHATHVBYTkVKYHYHBVMmP\$XAVOVRK
LMVmROLATZBXNVLYHVHALHYkBSORYkTAKLVNH+MAVH+HVRYXDVKCBYVKAYLRQATDMVLATAKLOLHARcTS
PKNVKMYmSMVRATXDSHABYBVOSYTP\$XLVHVHALHYkKYBXDSHABYBHVCYAkYHVHALHYkMMCRYmLYLHVZBX
TP\$XLVHVHALHYkCAnVBQRBMQVmAASRYBXYHVHLSKnSMVSmLATAKLOLYVXMCSBOTYMYmTAKLOLYMVCVTL
XmONKYKYPZVnYCATMARCMCRYmLMOnTzKRTATYVmCATkMARCMCRYmKLYMYXYkVLAYRAHLkSARBKGLBLk
SBOTYMYmVLAYLYnMnHBSRASRTZBXBORBBYmHRASVnLBQRLATVKLLZBXATHP\$XBAXDSORYkASRYHVHAL
HYkNtNtLkKYAmALHMQVmAASRYBXYHVHALHYkLSKnSMVSmTzBXATHP\$XBORKBVAHSMSMVOCATkMMCRYm
VBSLTVAKLTBMQVmAASRYBXYHVHALHYkBVVPNYTBQQRVHLKTLAHLYkSSTYMYmTAKLMCVTVBYVmHSBYOYO
CRTLYHVHALHYkLATOSHMLAKHSBOHSBOTT\$PRLkMHXLXRMSEQMHTXLL\$PRsBOHSBOVTVOsYTXGSBOVTLY
HVHALHYkM\$TNDBTYDkASRTTnKASRYBRKkYHVHALHYkVSMXTLPNYHVHALHYkATHVBNkVBTkVOBDkVAMT
kVHLVYASRBSORYkVHGRVHYTVmVHALMNHASRBQRBkBMQVmAASRYBXYHVHALHYkLSKnSMVSmVZKRTKYOBd
HYTBMCRYmVSMRTVOSYATHXQYmHALHXGH\$KTTOSHLkSBOTYMYmBA\$PkMGRNkVMYQBkVSMXTBXGkATHV
BNkVBTkVOBDkVAMTkvHLVYVHGRVHYTVmVHALMNHASRBSORYkSBOTYMYmTXGLYHVHALHYkBMQVmAASRYBX
RYHVHKYBRKkYHVHALHYkBKLTBVATkVBKLMOSHYDYkVHYYTakSMXSLVSPOMYmBSNHYRAHLKZKVRkATPN
YYHVHALHYkBMQVmAASRYBXRBXGHMCVTVBXGHSBOVTVBXGH\$KVTVLAYRAHATPNYYHVHRYQmAYSKMTNTYDv
KBRKTYHVHALHYkASRNTnLkSP+YmVS+RYmTtNtLkBKLSORYkASRYHVHALHYkNtNtLkLSB+YkVSP+VATHOmM
SP+CDQLAT+HMSP+LATKYRPNYmVLATQXSXDKYHSXDYOvROYNYXKMymVY\$LPDBRYCDYQmCDQCDQTRdpLMO
nTXYHVYRSTATHARcASRYHVHALHYkNtNtLkLAT+OLkASRHKLocACLMBXHYHVHALHYkASRTOSHLkVLATQYm
LkMCBHASRSNAYHVHALHYkLATZBXYHVHALHYkSVRVSHASRYHYHBVMVmKLBDRROKYTVOBTYHVHALHYkHV
AKYmCAQRBkBAXDORYkASRYHVHALHYkNtNtLkAYSAVASHASRYOSHATHROBOYNYYHVHALHYkLOBRBRYT
VVYLkVYOBdALHYmAXRYmVYSTXVLHmVLSMSAVLYRXAVLKLCAHSMYmASRLACVYTYVHGDLkVSMOTVDRSTH
Y+BVHNNHAMTNKVNhDBRNOSTHHTVOBHHZATBYSRALVHVCATATHAYSHHVAAVATHASHHHVAASROSvATHDBRH

ROHZHALSORYkATHAYSAVATHASHV\$QLTmBABNYmVMTVOLPYSNYmODYmAVSLSHODYmYVMTHMTLAYVMTOLP
YODAXDYDHODYmTHYHBVBRASNHLHMYTVVYDKLHmBAXRNHVBORTHROMQRbkKYYPLAMMkDBRLMSP+BYnDm
LDmBYnDYNLDYnVBYNNGOLNGODBRyRYBTBSORYkVQMTVOLYTALHMqVmASRYBXRYHVHALHYkBVVBATALHK
HNYmHLVYmVALHSP+ASRYHYHBYMmHmVDRSTVHGyDVLkATDBRHMSp+VOSYTOLPYHDBRASRYGYDVLkMnH
MQVmHHVAAASRYBXRYHVHVSMRTLOSvTKKLASRYVRVkolPYHTVRHASRYVRVkvOLHMSp+ASRYAMRVLkTOSHL
AT\$VRMnHDBRASRYGYDVLkYMYnVSMALVHAYSASRYOSHBZDVnLbLTYSMOALHKHnHOMDLsRTSmATYHVHALH
YkAVALHSP+VMTHAYSHHVAVBORTHROMYSRALVKLHmYsmOVVYRAVVLAYZYDVnOVDKYTBAAHARCASRYHV
HALHYkNTnLkVYRSTHVYsBTHBHVAMRTASymHOLYMLkKKLHGvYmASR\$BYBTYSVmTSYmOLYkMLkASRYBXRY
HVHALHYkBVmQRBAXYkTSYmOLYkMLkLATVKLLTTOLYkAYSNKRYASRLAAXYkHVARQLAYRBHLV\$V\$YmVLAY
SYBATHOmMCRYMHLMOmHRBVT\$V\$YHVHAMRLKMLAT\$PVnLSVBBDRLkHZHOVDVLAYRBHLVNSYmVLAY\$VRLB
BVVK\$PvZHBLAYRBHLVMADVHYHKSbTVOLK\$AMMLKTVVKTLBVATMSNHHTVRHHZATOL\$PRMLPNYHKHNYmHL
VYmVHYTHOMVVQRAVBKLYMYXYVLMOnYLMdLYRAHATYHVHALHYVLSMRATKLDbrYHTVRHHZATVATHXQYmH
ALHLOSTmLbLTYRmLBBVMAXYVVLbLTY\$VRMnHMCVHYMYnVSMaVLLMOnYARYkYMYmOLMMLKTVHVAVBNYV
BQRBYSRALLAYHYHLKHNmHLVYmKLSB+LVYXLQVNXLHmYSRALASYHVHVNXLTvYAKLVnVNXLHLAYHYHL
VBQRBAXYVYHVHVANXLTVKASRDBRLVVZHYHYHMSp+HKHNmMATHOmMATZBXyHZBXAmSVRAmSHVNTnLKH
nHZROVHLXYmVHQBRASyTDGnkTYRSkvYCHRkVRASyTGZCANKtTnLVKYVBXRYHVHALHYkMKLSB+YkLO
MDLSRTBSmYHVHHVAVBNYVKLHYMYmVKYyBAHLVYMAXDSORYkMKLYSRALASRHVAGRSmVBABKLAVTNPSSVAL
HMqVmASRYBXRYHVHVSRTBSmYHVHALHYVKLAXYVHLVYmHOMDYmSmLPNYHYHVXLQKXLQYAKLVLBDMMKRY
VOLHABVTKYATHBAALHARCASRYHVHALHYkNTnLkLATLMDLOSvTKTVOBTHGVYmHHmLAYMCABkMOBYRBNV
BTVBASQ\$mq\$MYmMOVNnVMNXSVMSpVXBRXBVSALAVBVYDONYVDRSALHMTYmKYTVOBTYHVHKLOSHALLV
BGLLHTVOBTALHYHVHALHYkMVRYSAVTmMPNYkTMYmTHYHmYHVHALHYkKYHGvYmHALHASRATHYVRSAVT
mALMONNYmVALQ\$MYmYsmOVVATHLAKnNTnLkYHVHALHYkNBAMQRbkMAXYkKMNYQYmLkYHVHALHYkALY
VTSMOVnKKLASRSALTMOmYHVHALHYkBXRBByVmHQHLLAMRLAA\$PLSMOATQVLHVHALHYVATHASHGDLHHZ
ATLAARAOHVDVLAAMVTYVAMRYHVHALYHY+YBVASRDBRVNBAAQYmLHmQRBAXYHmKMVKVNTTYDBRYBPYV
VDBRALYHmATKLASRACVNVVHYHHAYSASRLAYSMOALDBRYASRYDBRBSMYANKYADRSMOMVakHNBYAASRYZY
DLDBRDBRBSMYATASRLACVYTYVLDBRVASRYDBRBSmALHYmAXRYmVMTHNBYYAHHVAVKYTAMRBLBBkAYKHND
OATHDBRASRLADBRVYHVHASRYDBRHNBABSmYHVHVLAYHYHHDBRVLAYBAHVAHDBRASRLADBRVYHVHVBZDV
nDBRVHNBALATGVRMMNVKYKRYTYHVHALHYkATHGVYmASRYHVHALHYkNTnLkATARCmVYRSTmVYSBTBOR
YHmVBbTYHmSLVSORYmTBDYLLkBTvKARCKASRYHVHALHYkNTnLkLRSTHTKYnLkHdRkVSLSTATGBVLARCK
ASRYNXLYkYHVHALHYkVHYHLNV\$SMHKLRCXVZHDBRHRCXASRYNV\$SMHVXYASRYKHATROHVBBLYDOTVHVA
LASNALVMTMLSLSmVASRYBAATROHVBYORLX+BOCYmVNDXHYDVGBRZnLKRTHOcVNSLHBRZLMnHocVMCAAT
ROHVMTHVAYNV\$ALAXTHORYmHALHVXYPnYRDPgALHDmAXRYHRCXKYYXmLBBVVHSYGVKYRBHdRkVHKH
VNPsvLVAYnMSP+MYTKYLASNAHVVALVMTMVLSSLVmOLKKnANKYMCVklAMRSLSORYmTBDYLLkVAmYRXYBYHV
HALHYkATGBLkKASRNSBOLABTYkVNTnLkATKLHARCASRDBRLTTLABTYkKYTSMRATKLHMCVHHZATLOSTHA
SRANKYMCVKHYVmLAHBHATYHVHALHYkVLLKTBDRKYVKLHYMYmVY\$PTLkOVDLSORYmOLHSLSHALHVLAys
PkDmNQYBQRBARCKASRYHVHALHYkNTnLkNXLHVHYHOLYkDMYmVKYHYHYHAYSSNALROHVVARBLVVQmOLYVV
HKHVNPsvMTVN\$ALAXTHORYmHALVSLXVZQNYOYRVVLQXVATVMSmVNTINVATVBYDGALHDmVMTLATXV\$OYNk
OLYVVBORTDmHNQYMYSRALV+VBLkLAT\$YGGbVLROKASRGLVRASNYmBNXLtKASRTNXLBARCKASRYHVHALH
YkNTnLkLkLRSTHLAYQVmODAXDBAYSLKLOVnVLKLX+ATBKLX+AASRYX+AOLPYSNYODYmAVOLPYSLSHODYmY
QVmDBRKYYQVmODXM\$BAYSLONVTBV\$SRHVOMDVSNYHANSYmASRLHmHRYBLPNYYHVHLPNYHKHNYmVHSP+Ym
ASRYHYVBMYmHmVDRSVHSP+YmHY+BVHNHODSQRHODSQRONHBAXYVVOsYmLVKASRZMmLOSvTLAXYVVB
ORTHROMQRbkVHNSARYmYsmOVVYRAVVLAY\$PVLOSvTOVDKDBRHROHZHBQRbkVLATXV\$OYNkNPSBNPSOYN
BOYnSnBSnYDByDRGLBRGLKYTCALMLXMHOLAYBkVRAyT\$V\$VRKBOMRBMMkLATYRAMHmKYHYHVHALHYkOMK
HMOlKMARCMCRYmVHYHKQRBKmALHMLXMHVNGSHKHnVDBRALHmVAMRALHmSMOYSRALATmQRBYmHYVmLML
XMHOLAYBYKmAlyRkLBBKmAlyRAVVALTXPZVVALTORCVMpNYHmKYHYHVHALHYKMHHLkOMKMLHLXmLKMOM
AYBYKMLHVSyoATKmVDBRVHS+RYmALHOMLAMRMYHAYSASRBNHBYTXDSVLAxNKVYLkVYSBLBYTVpNmVMTB
MLXMHVAYSAXRYXNKNVVMYHAYSASRN+OKRmVLAXLLVYLkVYSBLBYTVpNmVMTBMLXMHVAYSAXRYXLLNVVM
YHAYSASRARSASHVLALQXHYLkVYSBLBYTVpNmVMTBMLXMHVAYSAXRYQXNHVY\$PVHS+RYmLDBRALHmVAM
RVMYHAYSHYRAVRkHLBBYkVYSBLBYTVVLAYM\$ATLBBAXYVKLBBVHYHKKLTHS+RYmLDBRALHmVPQDVS
RYCBAVTBRASHOmKYTQRBALOYRLHLXmOLYHVQRATALYHLSLVmVHYHAMSLVmTONkVPTXHLkVHYHKLHOMHN
MCABHYHYVLKLM\$VOBDVkvAmLATSLYmOMkVOSTHOMKMLXMHVCRTOLYHVNTNHYHVHALHYkBYDkVHKYTATK
LZKVRHLpYXRBRQHNSYmVH+pVHBHMHVKLASRYHYHBOYRKLSLlHTBZLkVAKLTATSLLAYBYkASRNTnYHVHA
LHYkLkKnTOSHLKLHORYmHRXQTMMkMADASRLAMORYHGvYmHALHHNHRQMORYHOMYmHALHASRYHVHALHYkN
TnLkNXLHLATXHYKLNSMHKYHXRMtXRYMmHXTYVHAMRYHKNONYVHPRZYHXVYVHYBV\$YKASRCVkvYHVHALHY
kLMOmASRLAYLMDVATKmLOSvTKKLTVOBtmASROSVLALHYHmVX+ATmLYHVHALHYKMYTCVRALOYRYMYmRB
YmLHLXmOLYHLTPSHLATsXYTATOCHLNDXOLYVGRZnKYMMNVtakLVATVLAtkRTKYHADmOcHSDHLBAMPNYk
BMCVRRQOcASRTDOKYLAocMAKLHVAATVTSXYTVKRTVBNYTMCVROLHOYRASRHVAOSHOMkMLXMHODRDTHKY
YMCAXLLBADMHASRYHVHALHYkNTnLkLRSTHNPLBSDHANVDOMYHKHVYCAVZQNYkVSP+YkVMDDVALHORY

mASR\$BYBTHXLLVHYHHOYRHQRBHALHXLLVLQXVZQNYHOYRHHVAOGLTBQRASRLAOBDBHASRLAMSKBOLVH
VRDVZQNYHOYRHHVAATHOGLHALNXLAYTnASRLAYOBDBVVLAYZROVORPVSmATHOGLHBNXLVNGSVHKHNYmB
NYLVYKYBmBXRYHVHALHYkLSRTTVLBRkBSmYHVHVOLPYHmYHYHKLRyBVKLNGOVKLZQNYHOYRHHVAHQRB
mALHXLLYRXCVATYDYHmOLHOGLHHORVPBHNXLVONVAMRVYDYNVLASPKHATHDmHZHVOYNYNVLARAVKPR
OMkYSRALASRPDYTYHVHVALTtnDmNQYBQRBOMkYSRALVNBKPRHmHDMVATHTBORHDMHNQYMQRBkKYTOSHH
YSRBOYNYHVHKYTCALMLXMHOLAYBYkVNTNVYHVHALHYkBYDkVSBYTSBYVVRAYTBSBYHASTYPTTARVXSQ
TBHVLQXTLkLASHVHBATHALTVkBYTkVGLXHATRASHVOSTHATCPRNVHVH\$YRHATSMLTBSBYHMOLYHVYSBHB
BYTkVBKTHATABYHVATAMHYRXYMYmVAXRKnTBVAALYHVBOLTHVHYTHLkLASHVHYHAmLAXPCTBHVSLXTHL
NPShVMKRLATMKRNHBK\$P LAT TOMRBHTXTASRONYTHKYTHYnLAYSSTYNSYmHAXTAHVHBHVHAXTSNVAHVYL
DVLVBnYmHAHVHBVHSNVAHVHYHBBnHBKRLSNYAHVHYHBYmHNXYLVATBNYVATASRYHYHLVLAYVKLLBKRA
TBnHAHVHBOLPNYBnHSNVAHHBKRYATHBKRBnHSNVAHYKYRLTTLVPYSNYmBKLASRYMCALVKYHVARASYTA
NVLVMSP+HBKRHKYHYHLAYSbn\$VRRVMVRHAYNNVSMOQBVLABYVVBQVLAMVVY\$RVATVVLAYSMOALYHmVT
PSVBVABYVAMVVHVVCYAVATVALZQNYOYRVVALSORMQMVVAMRVALZQNYOYRVBNVZH\$VRRVMRHAYNNVSMO
BQLNVZVLV\$BAVRGMHVKLANSYOYRVBABNYmVMTVBORTHROMQRbkVKLYSRALYSMOVVYRAVVKYHYHBAYS
X+AMSP+MVTVHVMTVTLYTATVOLocLATLYnNBLTVOLHocKYQBVRTQBRNVBYmHHVAKYQLLTALHYmTLVYVL
AT+MAATADMTkASRYHVHALHYkNtnLkNXHLATRAHATSVRAXYkAVATSYVNDXYmVHTOLMTMHmHSBTSYBmLA
XYkVAmLAQRBAXYkALYkVLAYDOTVVA\$PTVALTVkBYTkVHYHOMkODDRSAXYkATVVSHTVLVVKntOSHLMX
RVVKntOSHLSMLTVVKntOSHLLKLABDTAXYkASRTABDMNVVMCATHLATVKLLHTOLmLATRAHATXMRAXYkAV
SVRVNPLYmBDRkVHTOLMTMHmHmTQYmOMVLAYHYHKLYGBROLASHVLAYLBSGBRSMLTASHKYTVOBTYHVHAL
HYkLOSHALHKYYQRAQnCPVRLPNYkBDRkBKLOcAVOLHARcAPRXYmAVBYCYmVHAmRBCTOLHAPRXYmAVOLH
BYCYmLATQXHAMOLHBNYmSLXTSLXATHAmVATHBNYmTQXLkLmOnYY+BLkVHARKTYMYmKYTBNNHYTXDSVOS
YTMOQHLGGkVLATSYmDMYmBBYTkKYYP LHNPLMMNVLATZROKRMkKLAYmPnTQDSHMLAHHZROASRTZROVTBV
ATHKRmLATXRSBSVRVBXMRXYDVLATLBSSO+NZCMRVPSTYmYXDVGDLYmTOSHLkOLARBOKNPVTk\$VTkASRT
K\$HBHKYYQXAYSASHVBAALYHVSNAHVSmLHOLYLTDBRYmVHVCAOLYHSmROVAMRATHASHHZATLQXTYVAQRB
ALYHVLAMCATYLBHTVLYmVLQXABYHNORVAMHVHVVCYAVATBTVLYHNORALZQNYHOYRHSORHVAMRABYHNORA
LHZQNYmATBTYNTTYLAYSHZHLASHVYSNAHVHNHVASmOLYLTDBRYmLAMRLAMCATYLBTKBTVLYmVALHBT
LYBTYVPRSVHSMHLHPNYZQNYHOYRVLQXVZQNYHOYRHHVAATHAYSVY\$RVATVVONSVATVMAHK\$P VNTNVLAB
YHNORHKYHVCYASmROOLBTVTLYSRALVLVTHYHLASHLAYVKLLSLXHKLYMYVVA mAMTHYHDBRHZHLANMCAV
BTVLYmLNORVHVVCYAVATHNORALPTXBYTABYHV\$QLVHANSYOYRHBABNYmVMTHKYOSTHNBHBYSRALLZNV
BYTABYHVBORTHROMQRbkKYYMCAAYSSKBOMASHBOLTBOLVMTVGmSNYHmHAYSHSKBOMHASHVHASHVBORTH
ROMYSRALKYYHYHNORBTVLHMARSHLAYSVMCAHAYSBOYRVSKBOMHVHVCATmATSNYHmALSORHOYRHHVAV\$Q
LTmATmBABNYmVMTVATHNOROLDBRASRLACQHQHBOYRVATHAYSOLDBRASRONHATASTROHVVBORTHROMQRbk
VAmBSDHYMCAHAYSATHNORHMARSHVHXZYQBHHAYSVSKBOMHVMTHAYASRSRKBOMHLBDVVLNORLATOSHDBR
AYnLNORX+AMVTKYKASRYQVmAYSOLROHVRCXVNPsknHDBRHZHKYBSDHMCACHCOQHNNORHMARSHVAYnMVS
YOLHKYYMCAAYSNORBTVLHASRLAARSHVTPSHVSKBOMHVMCAVVNTnHAYSHSKBOMHLABYHNORXMSYmK\$P
LVTHYHLASHTXTASRONHLAYVKLLSLXHKLYMYVLAYQXAYSATASTABYVVLAYGLHKNpABYVLAYBAPCVODKHVK
RVTSPKHBQHLHYHVHLAYBAMMZRBQHLHYHVHGmDVROSYRYLAYBALVBQHLHYHVHLAYBAOMVNYVMVABYBQHLHYV
HGmDVROSYRYLAYBALHmBQHLHYHVHODOVLmOLDBRASRLAQDMVATKmBLXmVBYmBDRkBCATKmMMCRYmVASR
SKROLYkATBLOmBnBOVRMPTVRARmNHRymLQLLkVLAAABHYHVHALHYkLSMOALBLOmVYHPkYHVHALHYkLkAT
HQLLHLBRKHKYAHBkYHVHALHYkLATDRSSLmV+BtmKLYMYkLOVLmLATTOBADMYKAXYkHVALATTOBMCRY
KYGRHYTBARCVBNYmASRYVLDVLHmDVRSLYSYBALHmBQHLHYHVHKYTCAMXNHOLAYBYkVNSMRTMKLDBRRO
KYYHYHBkAYSASRLAYHYH+HVRMQRHLYLHVYCAALMXVcLMXNHLAYBAALTVkHMXNHVHYHLPNVTORBYRXcBM
YmVKBAHSMYSBAALTVkHMXNHVYDTHYHLkMXVcLMXNHVYCATSMHXVcVYTDTHYHLkOLAZNkVHYHBSBTkXVc
VXPRTHBHVSBTVK\$YTATCATkKYYHVHALHYkMTHLkQBQRBmXNkLHCYkLkVLTAYBYkLPNYkVHYHMXNYkQDVS
VLAYRAHBkORVTD BRVSBMAXRYkLAT\$GYROBDALADNYVASRYNCLALYkMOMADNYVOMkYSBBQRbkBMQVmASR
YBXRBAXDORSYk+B+VBLVLATVNNVLATHYHQDSHMBNVYSRALVLAYHYHQDSMBNYYSRALLATBYAATNnZVNHV
MXRYKLBBYTYHVHALHYkLKLNDRKYTVOBTYHVHALHYkGmSNYHmLATSYkLAXYkNskK\$PNSkAKLNSkKLDBRA
SRYSkLNKRYTSYkVLAXYkLATSYkLmOnYBRKkYHVHALHYkBKLMSLXYDkOLHARcASRATHBASMHRLSTHKYTD
RNDRLYHVHALHYkLATAXRLSMVKYDRSYDRSNVYHVHALHYkMOMkVHYHBkX+AVKYTXDILLNDRLAYHYHBkX+A
MVCASPTYkTSMRVOSYTKASRNDRTLHYHVHALHYkNDBHASRDBRTBPYkKYTBABKRmRokVAKLTONBYmKNPskSB
OkVALKLkLATtnKYTBABQMTROKvQ+PTMLYLTYBYDkVXRMSLATNyPOLQMTROKkYYQXAYSASHVBOLHVHYHA
mLATMCAXnBOYNYVKYMCABHORVTD BRVKTBLH\$PRKRYTTVNTnBYDHVSLXHMBYTVVYCAHMBYTVVHLKHVHYT
HLAYSAXRVSNAAHAYSHAXRVnVKTBHLH\$PRKRYTTVNTnBYDHVSLXHMBYTVAVKYMMVTHAYSHAXRVnASRLQXH
LVLASHLAYVKLBOLHHRASVnASRSLXHL SVBLQXTHLHYVTLVLASHAXRYASRH+MAHKYTOBHVALPNYHVHV
LATX+YAATHARcASRYHVHALHYkNtnLkNXHLKYYQXAYSASHXDSLALAYCABCBAVLAYOBROLYVLKLBDRNQYYH
YHLBYTVSNHAXTVSMXATASTVASRLQXLAYXBLRXymVRKBKYNPSHVAXBLKYMCAAYSGNBNPSMAXYVMBNYYS
RALVHTOMRBVVMKRVVMTHGMBHHVAVBORTHROMQRbkHSMRBNGOHCROTLSMRMADVLOSVTKKLASRYVRVATKm
HKHNYmHLVYmKASRCVYTMtSMRVLOSVTZKVRATASROSHYHVHALHYkLMRYmBDRkBCATKmMMCRYmKYTSHBRO

kMSATMAVMHLATBAALBYTVLOB+OB+VBXVcTOMDVHAYSASRATHNSHBVYVCYAALYkATHOBV+HXVCHVAmAYS
ONyHVALATSKBBOB+VHSBTSYBLVATHOBV+KBVAHSMsvSKBBSLMTVVBRRkVlKtHYHCDQHLPNYyHVALHYk
LATOSQSKYRONYVABYVnMAXYkAVMGRkASRBARckBSORYkBYVMVTnSKRVVLATBVAOLYVHSMSKYONXHVA
ALYVHVANSAAATNPsvVLAYQRAOLYkALYHVHVHYHBkX+ALAYVMTVABVTOLBNYmVBNYmLAYVMTVOLABVTAYS
BX+AVYVMTVLAT+HMSP+GRYTvmVLATXBLBGDALMNHVZKRTKYOBdHYTBMCRymVYPdKYHVHALHYkMsmOLK
nANKYMCVklOSVTATHDBRHZHKYTQCRQCyrkBSDkVSKXTOMRBSDDLATSvBLQXTVLGRLYTVmVLALMNHYYH
LMOOnYBRKkYHVHALHYkBKLMOSHdYkKYTXB+ZYTkLATPARAXRYkLGRLYTVmVLALMNHYYHkYTBCKRMkL
ATOVLlAXRYkLGRLYTVmVLALMNHYYHVZKRTKYOBdHYTBARcMCRymOLKnANKYMCVklOSVTATHDBRHZHK
YYHYHRYBBYnANSYmVNGSVAlHMSp+VSP+VmVhCDYQVATHCDYQVHRsYOVATHRSOVHYHAmBnHKVTHRsoVHP
YLvHSP+VHKHVLPNYVKDYRSOTVBm\$PRARBOymYKNVLAY\$YpPnY\$YpLHKTVOLALHMKHRBHVnQLHAXYkLOY
NYkLATX\$mSVRBDYSVKYYSBVAXymYXDvVMTAXDMHmVbnAYnLVLATHYHASTHMTXVCHLAYSZRYBMHYBAOL
YHVlQXHLVLASHVYBMHVHYHHBKVRASRTLDYQVmoLSmAXYVHMTVLAYMXHSMVMYSRALVAmLAYXPcHAYSLQX
TATYBMTTVOLTHYBMTVHSORHALHZQNYmVAMRHManYBMYLHQYmLAXYVSmBYSRALLAABHYBMVYQRAVLVZQN
YOYRVVDBRVALYVOMDVAMRLAXPCTYlQXTHVNGSHYBMTVALYVLOYNYHZQNYmVXLCHNOLVMOLRGLVVYRQH
BPNYVVONTHVAMRHKKHYOSHlAYSASRLAYBNHATBYTAXYVVNQRASMBYSRALBYTXLVcHNOLKYyNCVANSYm
YXDVAYSVAXYVVQRBHASTHAXDLHCYLATAYSHMYDMKHVVSLXHYDHVHXZYQHMBsSYVQCTHATKPHLATXV\$O
YNkLAYHYHLkBKY\$KAbnVABnGDVLHVQ+NHLAYHYHLkBBYTkAYPHVAYPHGDVLHVQ+NHABnSLMHVCDQYHYH
LkAYPHSLMHVCDQYHYHLkLMOOnYARyKVYMYkOLHADMHASRYHVHALHYkNtnLkKYTVObTYHVHALHYkKLOSHA
LHKLOSHOVLZKVRATASROSHLkOMLQBDRkBCATKmmMCRymASRQRkBDRkVYZNBbkKLHNXSLYmAXRYkVATHO
YpVYGOVLAYRAALHYmVHYHBHNYXYHVHALHYkLkMKLAYBYkM\$BYBBARcASRYHVHALHYkNtnLkNXHLHRSSTH
TMXHATZKROMLQMTXTTHSMYmLATSKXVHYHkYTBVAALHARcASRYHVHALHYkNtnLkNXHLHYRSTHYSBTBHVL
QXTMRASYTKLPryHADMHASRTBYAMARckASRYHVHALHYkNtnLkVSMTB+NAVHLKTALHMQVmASRYBXRyHVHA
LHYkLSKnSMVSmVBATALHKHnASRYHYHBYMymHmVAMRTALYVHGDTYHYVmLYHVHALHYkKYBATYALHARcAS
RNSBOYHVHLABTYNVLTTLNVLQXHKHnH+NAMYDkVHNyXVLPNYMZBXYHVHALHYkVONYTVAMRTLPNYHVHA
LHYkARMYABDABYVYRDMCRymHVYGRSmBMTYMO+VYHYSmLGVYGDVLOCVmVRBVYROVATNVHMCrymVYONVNV
VYTNVOLYNVOBDHQSHVNCQALYHVHALHYABTYNVVYSMOYHVHATQLNVVYRAATONYNVATOMLNVVATLXCNV
VYVCANVYHVHMMCRymBYDXZQHVBZRON+VYHVBMRAGDLVBATVTVBMPYmVYBANVALHMQVmHZHVYtnLNVAT
HARcHZATARcZBTXLBVDBSVOTHNNHhBATYATRASyTPRYHADMHASRNTThLYYHVHVHNXTVLPNYHVHALHYk
VHSTXVYTLPNYHVHALHYkVSMXTBKLH+VBASRNTnLkYHVHALHYkVLBYTkATHVHLVYVHGASRBQRbkKYTK
LHLOSRA TKLMOSRTBVATkBSNHSLYSTSNTHMOSRVNTThLLVYLGRLYTVmVLALMNHVAKLVBSORYkVBSOVVA
MRTLPNYHVHALHYkBORTYHQDSMnHBYTVGmNTTYVLLVYVLGRLYTVmVLALMNHKKLMCVTkASRCVYTYNYLAOB
RTYMMCVTYkVLASKTYLAALKTYBANYMMNVVLABORTYMMNVB+MAVLANTTYMMNVLMTSMOTYBQVLHYHVHALHY
OSYTYKKLASRCVYTYNHSQYPHMMOVnQDSkMnHSMYmVBRkATOMkATYSRALVATHADMHASRNTThLNvKASRNSB
OTLABTYNVARcZBTXLBVDBSHYVmHZHYHVHALHYkMCVklOSVTATHXQYmHALHVATHMSP+YmVSMRTVOSYTA
VtmBKLlLBbkVBKLNPskATYHVHAMRTHYVmLHYVTlLkLALHYmVLLKTBDRKYVVLsmRXQYVVMCVTYVVMSP+YVV
LSMOBQLVYHVHHAMyRkHYVmLHYVTlLVLOm\$GLHKASRDBRLkVLsmRKLmCVTYVVLTTkOLYVnOLKLHGVMAS
ROSHLTHLHVLsmVLTPARTVLHYTkOmQDSLHYHVHALHYkKASRDBRVYCVMSHVZQNYYSRALATHOmLAMRSRATK
LHMCVHASRANKYMCVHATKMHYVmVHYHBYVmASRTOBRVATHYRDnALHARcASRYHVHALHYkNtnLkVHQMTLkAB
NYmGDLVTVSDATmBSYDVKTBTOlyHnATKLDBRYHTVRHHZATBOBRkLMOOnASRTBAALHARcASRYHVHALHYkN
TnLkARcZBTXLBVDBSKASRDBRYHVHALHYABTYkLkVHYHBOBRkMATHYRDnTQYMVATHABNYmHALHASRANKY
MCVHATKMHYVmBHROYBLVSDTAVtmBSYDVBNYTSmMZBXLHYHVHALHYkMZBXABNYmLATNYpOLYHmBRZLABNY
mSLMVTtBNHATMZBXYHVHALHYkVHOLYTOLYVOVLTLHYHVHALHYkVZBXTSLMYmVAKLTsmVSMXTLPNYHVHA
LHYkVKTBTOLHABNYmATKLDBRYHTVRHHZATBARHY+BVYDBRMSHVHKHNYmHLVYmALKLYSRALLAMRH\$KTVS
MOYSRALHYVmHZHNHYTLomLYHVHALHYkVSMOTBQVLHYHVHALHYkVOSYTATMCVTTVATXQYVASRANKYMCV
HYVmVYCVMSHATHOmBYVmHHVALAMRALHYOMDVLBRkATHOmOLHRGRZYmBOBRkMATHYRDnSMOVnVLVYVYHV
DHVYSSKRvYV\$PvBNYmMnVALHYOMDVOLHQLLHBHROYBLRAVBnGDVASRVZBVLnDnVNPTLYVONVHLVYmVAMR
VALKLAYSYSRALQVLrmARVRHAYSASRYOSHPLVM\$KHTVOBTYHVHMOshYDYXRSVSmB\$TRVONVKLHOMVAMR
VAMnARVRMQLHABYVAMVAMRKLHOMAmnARVRM\$YGBVLROHVAMRKLHOMAmnARVRMSGHOVRBDRkVAMRK
LHOMAmnARVRM+HMSP+GRYTvmVALMNHVAMRKLHOMAmnARVRSKBOMASTABYVKYGLHKNpABYVAMRKLHOMa
MnARVRSKBOMKLBMHVAMRKLHOMAmnARVRSKBOMAXTVBTABYVAVBTAMVAMRKLHOMAmnARVRSKBOMXTNT
VVAMRKLHOMAmnARVRMKHROHVB\$TRVAMRKLHOMAmnARVRLQXSXDLHKVTNPsdmNQYVAMRKLHOMAmnARVRA
SRLAYQYmatDBRYHTVRHHZATLOSVTAVtmVAMRKLHOMAmnVYHAmSMVOTSMOBQVLHYHVHALHYkLSMRLOSVT
ATKLmCVTYVASRANKYMCVklHYVmVNTNkYHVHALHYkOLYVnOLKLGVYHARcVBAVOLYkKLHBRKVTHALHVHSY
GkKYTSMOBQVLHYHVHALHYkBRVKAthBOYRVBRVKAthBSdHBRVkpRYB+NkVPRYADMTkVPRYBHMTkSGRALPY
kVOSTRVTCANKBRV+NakVMSARTkBRVKAthBBakVBRVKAthBCATkYtnYHVHATAYBYkHQMYmOLYkNGPYmL
PNYkBDRkAXDYCAVALYkVBSBOHDRKYmYNV\$VLPNYkYCVYHVHATkATHBRKHBA\$MYkVBKLMSLXYDkVBRKk
ARcASRYHVHALHYkNtnLkYQYmKYHVHLVLOmQDVSKASRNSBOLkKYTSMRATMCVTYHVHALHYkVHLKTBDRKYV
VRAVKLOMYHARcKYSmYHVHNQRAOLYkVYRAVMMkVHVTRkYHVHL+VBHBPRYB+NkVBPRYBHMTkVBPRYADMTk

OLHADMHASRNSBOYHVHLABTYkLTTLkYPTXYHVHLkATAVCRVH+VBATHSMYmLTTM+RARcKbOTVVLBRkATKL
MOSHdYkVHLVYTGvYmRBmYmVATHLAtLVHVNtnkYHVHLRASVLALZNBVHYyTRQLMOLHVLATHYHLM+HKYTSMO
ALMCVtYHVHALHYkASRANKYMCVkhYVmlSMRVLOSVTVLAT\$VRMKLHDBRYmASRANKYMCVHATKmhYVmYmYnV
SMAVLLLTAXRYALHYmAXRYmLOBdmVHYHAmLATSMOBQVLYHVHALHYkLSMRLOSVTATKLmCVtYVVXQTYVAS
RANKYMCVkhYVmVBAVOLYkKLHQLLVTHALHVHSGVkarVRATHBOYRVARVRATHBSDHARVR+NakVMSARTkAR
VRPRYB+NkVPRYADMTkSGRALPYkVOSTRTcANKARVRATHBBakVARVRATHBCATkYSLXYHVHBkATHMARHATH
MHVMHVATHMGORTBKMLSLXYdkASRTOSHODHSMdkVODABDKMHRMPNYROMOLLYkASROZBTNYyDBQYHVHBka
THDBRODKLTvATkMOLHADMHASRATHBASMHLRSTHYKKHYHVHBSXPTVBQDXTVBDLQTVBXRVRVBXRBVBSDPV
nVBRYQVnVRDPVkdODABDKVHYVSMYkASROLRASKNXSTVHARcASRTXTYkBRZLYTnYHVHATM+RARcKABQVOP
RMnHSMYmYRDOLYkODHSMdkYTNkYHVHNGpLPNYAYBYkBDRkAXDTCaALYVVBBSOHDRKYmTNV\$LPNYVVHYy
TLZOVHLKLmMLKVTHARcVHYTHNBLTkLMAKLLKLOVpHSMYmVLBHMTHARcVAynMXRYDYKKHYHVHBSXynMCR
YmVBOPLYmVBGRBVBXR\$ASRLATVKLLHRPAYKKHYHVHBSGOVnVBOVRVnVBTMHVnLBBVHYyTMSSBCHRYmK
ASRYMSSHOVRBAPLHVLATCLYXATDRKYkVHYyTAKOSVQVGZVLKLHYMymVAynMVSyoASHTARsVAYSAXRYSG
LNHBYTTBNHVLATSBbVKRmT+OVLATXLLNVSVRk+BVXLOYNyKVLATAKLMMNVXMRkGZVLMLPNYkVLAYSVBL
kCANkNTNVTLAYBYkVAynLkMVSyoBNYkVBNTYkNTNYmLOmAXRVOYNyKRAVTVKLVTALYHmKLHYVmVAynLA
LYdkPRYADMTkVKLYGYokYAKLOmASRLAYDOTVHYyTRQOSVQVRCVcKLHYMymVHYyTMSGOMMRAHOYNyKASR
TRAHYKKHYHVHBSXynROOLHBRKYmVOLHSQYmASRLATVKLLHRPAMKpRGLkVODQDQDkYVLkYHVHATkVATML
KkASRTQYmOLYkALGVYASRLAYDOTATHVABTYkVOBDTSmALHYmAXRYmOcVABnVHYyTlSMHLSLVLSNynHB
KLHOMYmASRYNHGkYHVHSMHZRORBTVCYAHSDHVMO+TA\$PKYX\$LNvHARBHKRMymT+OVOBDTVYynLATSTH
VLATAGRYTAKLNVHTLOTZTYTmYHYVlKbKLGBVLkVSMnLAT\$VkKYYSLZYTkBNYmVBNVTTVLYDVLAYHYVL
kKYLYKVBsBYKLOCKVPRYADMTkYYRSHCLCLHGRASRBQRbkYOLHOLYkMOLHMLHVAATHTRDM+HM+HHVAYLV
kvATHLATLVNVHVAYHYHLRASVATHTHYHLZNBVBAVOLYkKLHQLLVTHALHVDPVkvHSGVkdHSDMDkKYLAS
MOTBQVLYHVHALHYkLSMRMCVtYVVXQTYVASRCVkhYVbKLAvtVLMVPTVBZRokODOVLMtXTTASRLAObDTAT
YHVHALHYkBSMXHB+VBLBBMRBKLVOBDTATAYBYkASRYSLXNVYHVHBkBroBVBcMAVBOYRmVBX\$RKLvNTn
OLBRZLOLCVARKODHSMYDVATkYSAYHVHOLYkGVYMRXQMqCHHARcKASRYDAHHNSRGVYASRLATSMOLSNVGV
YOZPNYmASRLAYSAPNYmLZQnVNORLAYXnVAKLPRYBHMTkVPRYADMTkODHSDMDkASRLAYSAYRLkdGnTYRVS
VYCHRSGRALPYkVOSTRTcANKODHABYDVATkVHCRLkBKLSORYkODRDTXMTYkHGBHTVHBCRVtASRATHB+XB
HnBKLARcKvHCRLkBKLSORYkBKLARcKASRNTnYHVHALHYkLkVAKLTPrYB+NkBSRBNYkVBNTYkASRNTnLk
YHVHALHYkBMCVRVBMCVQASRYCYQLkAYBkHAYSHRkBkVHONGMADTROOYNVBAxyVVBASTXYQVvBYTRENYV
ASRYVTYRMtTLAXDMHmMSBRBNYVASRYAKLMBLYHSAYRLVKLBMCVRVBMCVQASRYCYQLkAYBkBKLSORYkHR
KHBkVHONGHASRLAN\$THKpRGLHHCgOLHARcmHTONGVMRkTROOYNHBAYSXYQHVBbNHVBbTHVBSLYTHHYVC
TMBYnRGLYHVBBNYHASRTLDKYtAKLmBX\$RKLb\$TRBMCVRVBMCVQASRYCYQLkAYBkBSORYkAmLATSMRLos
VTATKLDBRYHTVRHHZATHKtBYmb\$PRHZHLYRAHATHSmHNKBDVHNvRAHZHATYHVHALHYkvHPLAYHVHATHMK
TkVATMKVTZROkMKVTGDLTvNAMNVTVXLymROYmVNAMNYmVHSYBBkATKLMDVHMCRymASRYGRtMPNYHmVDB
QVBkGmKLXLyVKLMKHASRLAKTVBB\$PRHTVRHHZATYOLmYHVHOLYkODHSDMDkVNSARtmBMTYMO+TXTASRHY
YtmKKVKBYHSMYmLRBKYLASMOTBQVLYHVHALHYkVHYHKASRSSYHVHOLYKmlHY+YBATKmlVLRHBVTATKmlKn
YSYSYHVHOLYKmlLHABYDATKmlVLSMYDATKmlN\$XTmMOLHADMHASRATHBASMHLRSTHVHPYckYHVHBKLHOM
YmMQCHHARcVODQCHHARcVOBDTSmALHYmAXRYmASRLAYDOTATHVABTYkOcVABnVBGVYmHHmLATRGYOVL
YHYHMNVXLKpRGLkVNTnYHVHLkSmLBRGZVKLYVnOYNymVDABVnNPSVHYVXYkTLAYmLkMNGDVPXDtLYLH
VYVmmVLATAMynBXyYkBBQRTAMRMYYTnORBVBORBTAMRMYYTnBQRMPXDLBbKASRTPXDVMRAHOYNyKASR
TRAHVHsYBkYHVHMCRYmBANYVTBDRkASRAMRTYlKlAT\$YpOVDLRATHVHTMKRTmSmLAYBYkLOBDYmVLSPX
VTVAYnQNHAlHDBRYHBRYTASRCVHYHVHATMSHLKRTATBNYYSRALBARcMVABMLBDHBRYTASRKRTATmBXRb
VYQRAMSHALKLYSRALVYAMRALHmATmRAYTmATKLASROSHYHVHLOYNYKmbARcMCRymLPROHVLKLOBDYVVL
KLARCvHM\$VTHGDLTASRRAVOYNyKHATTVMPTYmHGDLYmHHmVLANTnYHVHLKmlBLDOTVOYNYmLRAVTVAZ
NYmLSMOODHYVmHZHVAVLkATKmarBOYmSNHBMDBRLABLVSLMTYKmlMOLYKmlVNOLkLABLTHMOLRGLkLXmLA
AKLTmVYYnVSKRLASTYtmLmOnTDovKYANYHVHALHYKmlVTBAVALHMQVmHZHVYCA\$YXnMLkXSBVnVOVGML
kHBSnLQRATNVLMXLHMVNkmVNQXATARcmVNTNHLNLXLHLRAVBNYVLGDYVLXCYSB+HMNSYVSMRTmATDBRYH
BRYTHZATVOSYtmATmLmOnTSKYLVATKLASRTOSVnATmNCBYmHYVmKLKmlPNYYHVHALHYKmlRASYKmsB+YK
mZQNYKmsV+RYKmlKLAYSYSRAL+PKmNSYKmVGRkASRBQRBMXNYkMX+BOCYkODSABMYMYkLOBRkBBRYTYHV
HALHYkVBALTVASRYHVHALHYkKRTOMkHYVmLmOnHQYmATkHYVmLVLOmVHVAYHYHLkLALHYmKASRDBRLkv
KASRNSBOLABTYkLABRHmLXCQVLYOQBVLAAATKmlBDKmlANKYKRTATHBRYTHZATVATHALHHZATKYATASRY
SNVPHOMNVOMDHYVmLPNYHVHALHYNVVATASRAYNNVPHOMNVHYVmKYATmYDOTmATASRYsBNVBARcMCRym
VATASROBRNVBQRBGVymASROBRtmVTRAVATSQVCYHmVATGLLYHmOcVABnK\$pVZHBASROMHmPnYSBKmAY
SAVASHAVMSPXHAVSB+ASRLBBVPNHYYVmMOMYHVHALHYNVLLKTLOBDATAHYHGVYmHHmPnYSBKmSRSPRH
RASVLONHVHYHBSMOVATDBRYHALHHZATVHTBRkBLBBVLAMRSLVmYHYHLKYBSRRVTLBYALkLmOn\$PvTHR
VHATHCMAHLAYABHYHVH\$XLkLVkYAZYOSnApYHVHVQNATVBAYSHHVAVRBCHBVKLHALHHKTVBHB\$PRHZHVM
XHYHVHATSMVMTXTHSMYmVHBDYLVYHVHLROHMKLSB+YYSRALKKLALVTHBRYTHKTVBHB\$PRHTVRHHZHVAM
RHDVRHAXRVnBNYKmlASRYQVMVMAXRYKmlVHNKRYASRYBAMARcRXVQHVRAVATMKVTHARcHHVAVATTXLAYHA

SRXLHYHVHBGPRYTVM LXSRPHKLARCHLATZROVLATCMXVLAYOLHBHKLOS BKMHPKT\$DmVOMRHADMHV CBY Y
mASRHPkYHVHBAPVVBXMTV VAMRVKLHGVYmOLMHOSH YHVHKKHLARcHZATMHXRYHApHGDVLHZHVAMRVOLAS
ROZBVATBR YTYH VHALHYABTmASRKRTOMmBHVCYAVATmMARcMCR YmVYLKVVYOBDVALHYmAXRYmVYSTXVVL
HmALHYmASRLAYDOVmVLAXLQLHmVYXRApYHVHBARcHHVALHB YAO LYHATK LHQLLHHKTVBHB\$PRHZHVYTSm
YHVHMOLADMTmBaPVBXMHVBQCpGDVLVYSLKmALARcAXRTKYVmHZHHN\$TRTLYHVHALHYNVVHNGLT LNVVLB
NYNVODOVLmLOSVTATK LDBRYHTVRHHZATVHYHKYYBAVOLYkKLHDBRYmHALH HBRKHVHQLLHASRNTTYLPNY
kVHSBTALLBBk BKLHGVYmASRHDYXkYHVHALHYkSMHVSBTODYHVHALHYkVSMOTBQLVKKLASRANKYMCV kHY
VmATHVBNYk BKL LBBkVBKLNPSkVSBYHVHALHYkATSBVTkVRXMkVSBVQBCKMKLHOMYmASRHPYCKYHVHALH
YkSMHAmYHYHNDXk BQCHHSMYmMSmYQBCKYHVHALHYkVMSmYQXkVHBYAkYHVHALHYkALHARcASRYRSVABT
YkVYRSTHVHY+BkVHRBkMABTYkVMLYHVHALHYkATLBBkVATLBBZROKLAHBHATYHVHALHYk BKL LBBkVBKL
NPSkLMonXY YkVNTnYHVHALHYkATKLHALVTHALHOLAYBYkVOLSNA YkASRRDPVkvATHTSVB VSMOTBQVLYH
VHVOSYTATKL MCVTYVASRANKYMCV kHYVmVHVTYRkYHVHALHYk BKL MOSHYDk BPRYB+NkVBPRYB HMTkVBPR
YADMTkL+BHKYYSVBYHVHLSVSOLYkL+VBKASRSSOLABTYkKYTSMOBQVLYHVHALHYkLSMRMCV TYV VXQTYV
HKTVBHB\$PRHTVRHHZH KYTSVBALYHVHALHYk BKL LBBkVBKLNPSkKYHMCVHHZATASRANKYMCV kHYVmLANP
LATHVAMMkVLARXQHVALABSMYmHVALAMRMYYOLHLNVHSMYMHVYQXHLNVVYSMONVATHVNOSNHVLAMOBRL
YmHVALAMRMYYOBR LNVALOBRHYmVYQXHLNVVYSMONVATHVNOSNHKYQRVBALYkHDBRMADBPYkVBLBBkLOS
TVRAHNTTYLPNYkHYVmATHXYVmVATH+VBVATHMVT VATHROASRANKYMCV kHYVmLAHBHATYHVHALHYkLLKT
BDRKYVVL SMRMCV TYV VXQTYVVMSP+YVVXYTVRBYTVBRKkYHVHALHYkBARcASRATHBASMH LRSTHVAmYPN
HLBBkVLATSMOVNDXTVHSTXVYTLALHYmAXRYmVOBDTmHGD TYL KmHYVmKYABDTABDVnLATARYKnYMYmOLH
ADMHASRATHOBRATHYRDnLBVASMHLRSTHODTYB KmHYVmATHSMYmVATHARcHXYVmVHMVTNTTYLPNYkHBR
KHVHQLLHVBXRTBXYmLMonTXYHATHVZROKLAHBHATYHVHALHYkLSMOBQLVVLDBQHEBVKYHVAXYYkVARKY
MYkLSBTOLHADMHASRNSBOYHVHLABTYkLABR HmLYCXQVLYOQBLTTLHmVYLkMSHVYD BRATHDBRYmHALHAL
KLYSRALVYAMRALHmBnMAHVOSRYmSNHANKYHYVmLA AVKLOVDLCATVLEBVA VYHVHAMRALYLATOBRATHYRDn
HZHYHVHALHYkHVAOBR LPNYkHVAYSMDATHGVYmHALHMLPNYkVYRSTmYHVSOHVAOBR LPNYkKASRDBRYHV
HVOSHYHVHLHmKASROSHL\$YXVnVLOVGMLKYHAMRYVLARCMASRHSMYDATmVNTNmYHVHLPNYKmVOSY TmLHm
KKLHMCVHASRCVYTYATKmXZQVAMCVALT YRAVVALTORCVM PNYHmKYHVHALHYkHVAHHLkOMkLAYRPkVLA
YOZBkVYQRAMSHLYHVSOVYAMRALYVLOYNYKLYSRALXZQVAMcKYATHTBVAATHOmHZHALHARcASRNSBOYHV
HLABTmLTTLHmVATHTNXYL NHA VTmVYHVHVHAHHLkLPNYkHVAYHYHOMkLAYRPkVLA YOZBkLATYRAVLATXT
VYKTBMSHATHTVRHHZATVYTNHALKHKNYmBNYL VYHNSAYmATARVnBRYTYHVHVALKLZQNYYSRALVYCVMSHA
VTmLAMRMQcSBOSNYmBMODSNTHSM+HBXGH\$KVTBBVAKLYSRALLRAVTATPNYYHVHALHYkBMQVmASRYBXRT
QRAATHTVRHHZATNGDKLYSRALBAZNYHmHQHLATHOmHANSYmVHNSYmVH+pVGRkASRBSORYkLMonYSMOVVL
MOnYLMDDVYRAVATYHVHALHYKmVSMRVLOSVTATK LDBRYHTVRHHZATVBNYHmASRLAYDOVYSMOVVLMDVLYR
AHATYHVHALHYKmKLHYMYmASRA TmXY YmOLHADMHASRA TmOBR YmATHYRDnSMHLRSTHYVAMRYHVHALMSHHn
QRBVYMYkLMVTQRAATYHVSOVHTYCBVBAHLMVODVACVNVVYLkMSHVYHVSOVYTYCBVBAHLMVODVYRAYHVHB
AHLBOMVDONnVYOMDOMVDHONnOLPTXHAHLVYAMRYHVHALMSHHnKSKBOMABTYkVQmHOMHZHVZNHAXRYALH
YNKRHARcASRHVABASMBQB RBVVOZBNYVHPRATBRYTYASRKRTYATVVXRHAPYBVBYVmHHVAVOZBTYmVH\$TR
TYPNYMmVHYHLAKLVMCAH VROVTRBVTVCRTVAMRBYVmHHVAHLAOLKYAYnALHYBQRB YMCVANYHROVTHAL
HVANKYH\$TRA\$TYRPNYBYVmHHVAOLKLHROHASROSHKYPNHALALHYmAXRYmVOTHKTBVLKmATHSYRHHZATV
LMDHATBNYYSRALSYMHBPYHmLMonTHYHL YHSYRHHZATLODBBNYYSRALKYABYANVALHADMHASRNSBOTYLA
BTYVZBTXLVBVDSVAKLVSBOVD SnVPNHALALHYmAXRYmVOBDVmVNACVNYVHPRATBRYTYVHYHKYTMCA nATV
ROVTRBVTVCRTVONT HHSYRHHZATLPNYVL ODKYLATSKXMPYZROVKYDOTYATYCRVASRHVAOSH HYVmB+Rm
ABYANVALHARcASRNSBOTYVYKTBMSHATHSYRHHZATBYVmHHVAVYLMDHATBNYYSRALVYCVATYHVSOBnNVn
VYAMRXZQVAMcKYATHTBYAATBNYYSRALALHARcASRNSBOTY L HmVANKYAHYHOMkVYHYKKLVTMSHLKTBATD
BRYHTVRHHZATOL\$PRODTmVYCVMSHATHLVmNSAYARVnBRYTYHVHLAMRLQXAT\$PRHTVRHHZHVSMTmATV
MCDARVnBRYTYHVHALHYKmVHYHSmBkLODKYANKYDOTYATMRYkVATORPkHQSHHnBOVDNYXYOMKmHYVmMM
RYmHYTmOmYHVHVApKYAXRYMVTYHQHYLVALYATKLZQNYSB+YKmVS+RYKmVADBRHBAZNYHmATHDBRYmHAL
HVAOYDHBmATHSMYmVATHARcKYDOTYAXRYMVTYKYHSXTT\$SXTVnV\$RTmMnHDRkASRCVYTYATKmVQRATAT
KmHROHBAXRYTHYMYmKYTOSVATHROBOYNYHVHLHKOY\$VBMOSH YDYKmVYDBRMSHBAZNYKLQHLYSRALATD
BRYHSYRHHZATODTmHAZYNVHSMYmVADBRHVTSMOHARcAMRYPPYORpKM+RLQXYTZLK+LAMRTYKSOYRmOL
YDSAVKRBYBYmOLYOSBKYSmYHVHAQRAHBVGDLLALHYNVHCVRTMYmPOLVKYKLD RKYVMSP+ALAMVNHVAYnO
VLCDYQVYSRHVASXTLVLABNYVMVMmDVROQSVPTLT LHL YHVHTGMLVZATOmNBLVLAXKmHLVAHVAABYkQNKH
VAOSkVYKNNkZKRYMVT OVLmBYNVSNVTDRVDRSALABYkVYGDkZQNYkVYAMRVLk BHNXLOLYVnGVYmBHPRYD
VBNYADmYCBGLTOMYmLM\$PRBNYYSRALKYXLQYHVHOMVYOQBXBLNXLTVYMC AHVBARcMDBRVBTHVYLLYSM
nY\$BBNHVYBVNNHVYCRNHVKAYSvnOYNVKN SRYOYRQNVOLGVZLYVYRXpYPRSKNPYVYQXHVYSAHVOLABRTV
YHVHBDYDNXNVVAYnOMVALNKRYRKBH VOLBMVTYARcVYAKLTNVBTSDYVYNQHVDBSM\$LOVSMnMXLMYSCVRX
MATBQRVXLBCAnOmXLBKRYmVAYLYmBNYBSnVOTVDYmOmXLBKLYVTX+HVDmONBTSTHXMRVYSMnYSRVnVYB
O+SMNTTOBYTKSYTVY+SALVHOSHVVYNBLCVRY SOTVYQNAHV BZRYmBTVOBTYKOY\$SHVYZBXVLSDYmLAALHAL
HYmLAYDOVmXDSYmMQRBBAVLASORVmABTYKmCVRYL DkTSYVTSKXALMXLLkVYRAYHVHVYNacMKO\$BNYVV B

NTYVVYAMRA\$TYRHPNYMHmARAHMHAXRYTmKYDVRTHPKTHMHBNYmLAAMnBmHmQNAVNYBLAALKO\$VNYBHBL
YHmVANYAQNYAmBLAOmBGVYNBLAKOY\$mKYASQDXHBAPYVTYQDODSAVLTXTYTVTAKLARcVYBLHVTLH+MV\$
DYHRYmA\$PHOLYmVROVTXCYAKLHBmMZYROBVLXMYRSpVQ+BMRYRYVSnBHMTASLXBmOmXMTZXLXOPRMXVc
TSKLXRBVMXDRYmAYMHGmBXVRGmBTVLHYVNQOmAYSSYBHAMRTYAPAYHmASBYTHMANVSZKRmLVLYKO\$AVY
BAGVRPnYNKRVCRYMVPnYAMRVYDNVRMHVLAHYHVPOLKLZATKYGVYABDOCVTHMHVAYnBHmTBVNHLVXKMVY
SKYLVZATYBYNVLAxRYTmAYKHYRDpAXDALpVSNYmYNY\$VRBBHAmLAKYCVRmMKRmVYHVH\$GYRmKYLAKCV
RNVCVRmVAYBYNVPLYLmKYMGpN\$DmGPNmVMSDMTOMRHONBMVONBYRVASAKLTMRRTLMVXMTTNYNmYmV
RASPTNYmAKZRHLAHVAKM\$OMDYXTVmBAVCRTYLYNQmVSLmLOTTMV+RGLmKYQRVBYVmAYDmVXSOTDTLMVK
YYDYnYHVHOMVVOLOBDYVYTNXmKYRAHKYAZLTyDVAP\$OCVRVOZVBVAMRAYALHYMVCVRX\$YVBVASRXLBZ
BXMYVYAKLVYSTVYnN\$YKmqVVMVVOZRRmYHYOLYKmq\$TRHRAVOTHKYANYANYHVAVAynALHYmOMDYANYA
MYTVAXYHMXCTYVANYARPAVAYnMYDYMCYLKYASAAALSMYmYDYVAMRTYXYANKYLOLmAmSNVTYBRQXRYVTA
XZBMSp+YDYASYBNQmLCRYVLSNAYASLmASKYRXCYMDmVXRBYTAKLBSRMDmXLLVSBYHMRASPROVTAVYBH
RNYNVGVYmOMVKYDmOBDYVYQVmVNQmYSYBLCRYVVKPRADMTVOMVVBAMSHVYDBRATKLBRYHSYRHHZATB
AZNYHOMHVAHVSOBnNVnVYKLMSHLDBRATKLBDBRYmHALHALKLYSRALVYAMRALHmSYMVLBBKmLKLHDBRY
mASRANKYMOYDBKmHYVmASRTCmATBNYKmLSMRLQSVTATKLBDBRYHTVRHHZATKYLABRRQHVMKmqYHVAX
YYKmVDBDRHZHTARYKVYmYmOLHADMHASRATmOBRymATHYRDnSMHLRSTHVYDBRYHVHALMSHBOCMHYVmHZH
LAMROLHALHRHOBRYmHZHHRNBVASRBARcMVABASROLPNYXRXVRAHATARcKNOASRANYNTnLBNIYSRALL
AXZHVMTBHRASRATHOLHSMHVHA\$PALOMYkKASRMTAHRnAXYkBHRHHRVYA\$PALOMYVOLASRMOLTmBYBTvk
BNYYSRALBMYMRYBTQDSMDBRCnOLASRLAQDSTmAVTYBTvkBNYYSRALKYMNGDTRAHATHARcVSMHLATBVAA
LHARcASRANYNTnLBNIYSRALVZATHBRKHASRBKMSHAYSHALHYmATBNYYSRALLPNYMVTVVYAMRYHVMH\$Y
NYBAVZRXXMSOYRLMVHVPYOMHRPArnVATHMRBBTQDSMYMYNVASDTLMVApXBBOMYmKLQDSYVBYDkVHmTKVL
RGLkYSAMDBRTYkTVRHCVHLNVMSHMVRSHQHLTYOQBVYHYBSRVnMLkBHtA\$pRASyOmYXDSB+YYSRALYXY
RAVBnVALYMTVYHYMTYVM\$PRVZATLYHVDHVMAMRSMOYHVHQVLHYHVDHVALOMVTBYANVYDYVRBLVVOZRMCR
YVTHYHVLVYAMRTMYkVAVRykLAYSX\$YDkASRN\$YTVBM\$HTRYBHVOLMYMRYBHHAMRLABYVVLAMVLARAYT
YVATAXYVLAHKYRVATBNVLAYDOKYSMRVAMRTkVBRyTkyNCRVYVRVMSP+YkLYOQBVTVRTkLYSRALYSYMV
Q+VRHBAPkVKLYLOLMZBXkBRkYHVHXYLVVPOLYDYVTRCHMXcMTNYmQMYVMSNAYVMnYQVMVnLBNIYMnAMR
YDYDYHVHYSKnLB+XOLYVXPpOLYVKLHYVmVBYnKTPYVSKnVLVY\$PAMRMBRKTYHVHARCVMMGDSMYmM+LVM
THVmRBCTTXTVMMGDTBVATSMVMMGDGRSYRXYmVMRASHRRYQDmVMMGDGBOVTOVLmVMMGDARcVMLAHVRCV
nSKNY\$NHTBVATHLRASYV\$pVLQDQDNZYRAXYVBKVRSVRVHDRLVVQRNYRmQRNYVBHmOMYmYNGXYXDVP\$
YARcVHmRBBVTAPRYmVHmALPYMNSHVLZBVLnAMRSMXZBVLnBCATkVYSSKRBAHLkOMYmHRYQRAVSmYZBX
VZBXYCDQKYSPoYmYmYnQVSPNY+MVNYXVLVLGDAMRBVRkMRXYBGDKLBYASKnV+RpZRVOApQDQDVYRAR
ASYTLVKYSmXLQTMXQQ\$PvnyVTARASYOmCDQTYHVHOSHVMSP+YVomYSRALVLdNAmRDnGVRARYHYZnQMnH
BSnVLNPTLYAMRNPTLYSBORCVnVMLABRKTYHVHYmVDRVmYRSHVLASRAMRBRVkmBNYmASRYHYRCVYAXYV
+BLBSMnRGLVBRZLVNXSTMNOLkVKYMykDBAkAYnKALYSRVnRKBSMYmBOZRkVBGAVTVSXQYmMONHALHYQD
mVMTXTZROTOVLmVYGRSMpNYkAVYBVYAMRHSMDVYSKnYSRALB+XBDDOYnYOQBALARcDgnVTYRVSApSMYV
YORPV+LASRYkYSRALMYKMVKOmNVSOBYHVMGnOZRkVASRXRBGAVTkVYKXSVAYBYkLkVATHOLBMVYMT
DRkVYOLMSHMORBTMVABALHRNBVRASHP\$GHASROLPNYXRXYVYRAHVYHVHATKLBHARcATHGLODDnVATKL
NPTLYVATARcAPRYmVMNSHVATKLARcYHVDHODHYmHAXRVnVATHNGBVATHKKRBQOTYRXVOYRHTMRymODCO
RVYAMRYHVHALYVZATHARcASRNSBOTYLABRHmLYCXQVLYOQBLAMRLZROkATNNHHRAYTYkBOYNYkVSMHLA
TOBRVYMTSmMSHOBdYHVHBARcMVABOLPYHVHYQBRATVBGYBARcMVABMVLBYTPOVRVLAYDOAYSATQBRT
VODHYVmHZHVMSHBnMAHVOSRYmSNHBMTVLAKHTHOYNVVLAN\$LXHVVYBKVBNIYSRALATMSHBORBTMVABSL
YmYVmVYTMVYMYBKYABLSHVYHVSObnNVnMLARVXXKMKY\$MkMSHATYDYVOLYVVYSMOVALYVBNIYSRALV
YOSVKASRCVHYHVHATMSHVLQmNBIAOVDBYSRALKMSHASRYDOVYHVPNYmALPNYmLKLHATTVHMVPTYmAS
RSLXVYHVHLOSVTBARcMCRymLPROHVLKLOBDYVVLKLARCvVLKLHYDXXZQHVLKLHMVRAHGDVLASROSHMSH
LOYNYKLYSRAL

0000000001111111112222222222333333333344444444445555555555666666666677777777778

1234567890123456789012345678901234567890123456789012345678901234567890

=====

This version of Deuteronomy with 54,892 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/>

