

Hkgh\gZy ijhn_kkbhgZevgZy h[jZah\ZI_evgZy ijh]jZffZ j
n_^_jZevgh]h]hkm^Zjkl_ggh]h h[jZah\ZI_evggh]h klZg^ZjIZ i
ijhn_kkbhgZevgh]h h[jZah\Zgby KhpbZevgZy jZ[hIZ \oh
]jmiiki_pbZevghkl_c Khpbheh]by b khpbZevgZy jZ[hIZ
Fbgbkl_jkl\Z h[jZah\Zgby b gZmdb JN hl fZy] <
Fbgbkl_jkl\hf xklbpb Jhkkbckdhc n_^_jZpbb <

J:KKFHLJ?GH
gZ aZk_^Zgbb I_^Z]h]bqHQM]@=ID^hZhe < hl]

JZajZ[hIqbd
FZ]hf_^h\Z DZfbe_l FZodmWj_gZ^Z\ZI_ev]mfZgblZjguo ^b
IHQM @=ID^a

J_p_ga_glu
:kd_jh\ RZjZnml^bg KZ^bkobg h\p_qih^Z\ZI_e@=IDQM

;mIIZ_\Z :kbyl FZ]hf_^h\gZh^hdkdjbo gZmd ijhn_kkhj >=B

KH>?J@:GB?

1 I:KIHJL J:;HQ?C IJ:HFU MQ?;GHC >BKPBU

2 KLJMDLMJ: B KH>B?@:G?;GHC >BKPBIEBG

MKEH<B?:EBA:PBB MQ?>BKEBIEBGU

DHGLJHEMPBGD: J?AMEVLK<H?G?BY MQ?;GH
>BKPBIEBGU

5.:>:IL:PB Y J:;HQ?CHJ:FFU IJB H;MQ?BBB
H=J:GBQ?GGUFB <HAFKLFBA>HJH<VY

EBKL I?J?ML<?B@>?G:DLM:EBBAP J:;HQ
IJH=J:FFU >BKPBIEBG

ID Dhhj^bgbjh\Zlv jZ[hlm[uhh khfob Zr\kg Z gbx deb_glZ
ID Kha^Z\Zlv g_h[oh^bfu_ mkeh\by ^ey Z^ZilZpbbpbik\hpehZ b
\hajZklZ b bg\Zeb^h\
ID Dhhj^bgbjh\Zlv jZ[hlm ih ij_h[jZah\Zgbx L@K \ k_fv_ b m
ID Kha^Z\Zlv g_h[oh^bfu_ mkeh\by b Zevg^hZilZ_pZb eb lZpbb
lbi h\ k_f_c b ^_l_c gZoh^ysboky \ L@K
Ebqghklgu_ j_amevlZlu hk\h_gby ^b kpbiebg
1. Ebqghklgu_ j_amevlZlu j_ZebaZpbb ijh]jZffu \hkiblZgby

EJ HkhagZxsbc k_[y]jZ`^Zgbghf b aZsblgbdhf _ebdhc kljZgu
EJ ljhy\eyxsZdb\gmX]jZ`^Zgkdmx ihabpbx ^_fhgkljbjmxsbc
ijbgpbiZf q_klghklb ihjy^hqghklb hldjulhklb wdhghfbq_kdb
klm^_gq_kdhf b l_jjblhjbZevghf kZfhmijZ\^_gbb \ lhf qbke_
ijh^mdlb\gh \aZlbfh^s_bck b mqZkl\mxsbc \ ^_yl_evghklb h[s_kl_g
EJ Kh[ex^Zxsbc ghjfu ijZ\hih^dZ ke^_mxsbc b^_ZeZf
h[_ki_q_gby [_ahiZkghklb ijZ\ b k\h[h^]jZ`^Zg Jhkkbb Ehyevg
ij^_klZ\bl_e_c kmj[dh^e_b qZxsbc bo hl]jmii k ^_kljmdlb\guf b ^_\
>_fhgkljbjmxsbc g_ijbylb_ b ij^_mij_`^Zxsbc khpbZevgh hiZkgh_
EJ ljhy\eyxsbc b ^_fhgkljbjmxsbc m\Z`_gb_ d ex^yf ljm^Z
kh[kl_ggh]h ljm^Zysbk kjy d nhjfbjh\Zgbx \ k_l_hc kj^_
ijhn_kkbhgZevgh]h dhgkljmdlb\gh]h @pbnjh\h]h ke^_Z^a
EJ >_fhgkljbjmxsbc ijb_j`_gghklv d jh^ghc dmevlmj_ bklhjb
ex[\b d Jh^bg_ jh^ghfm gZjh^m fZehc jh^bgo pijggk dxcljZ^bpb
fgh]hgZpbhgZevgh]h gZjh^Z Jhkkbb
EJ ljhy\eyxsbc m\Z`_gb_ d ex^yf klZjr_]h ihdhe_gby b]hlh\g
ih^^_j`d_ b \hehgl_jkdbo ^\b`_gbyo
EJ HkhagZxsbc ijbhjb_lgmX p_gghklv ebqghklb q_eh_rdZmxm\
mgbdZevghklv \ jZaebqguo kblmZpbyo \h \k_o nhjfZo b \b^Zo ^
EJ ljhy\eyxsbc b ^_fhgkljbjmxsbc m\Z`_gb_ d ij^_klZ\bl_eyf j
khpbZevguo dhgn_kkbhgZevguo b bguo]jmii KhijbqZklguc d
ljZgeypbb dmevlmjguo ljZ^bpbcb p_gghkl_c fgh]hgZpbhgZevgh]
EJ Kh[ex^Zxsbc b ijhiZ]Zg^bjmxsbc ijZ\beZ a^hjh\h]h b [_
kihjlZ ij^_mij_`^Zxsbc eb[h ij_h^he_\Zxsbc aZ\bkbfbklb
ikbohZdlb\g_uo_kl\ ZaZjlguo b]j b l^ KhojZgyxsbc ikboheh]b
kblmZlb\gh keh`guo beb klj_fbl_evgh f_gyxsboky kblmZpbyo
EJ AZ[hlysbcky h aZsbl_hdj m`Zxs_c kj^_u kh[kl_gghc b q
pbnjh\hc

EJ ljhy\eyxsbcgm\Zd wkl_lbq_kdbf p_gghklyf h[eZ^Zxsbc h
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^_fhgkljbjmxsbc g_ijbylb_ gZkbeby \ k_fv_ moh^Z hl jh^bl_evk
hlghr_bg kh k\hbf b ^_lvfb b bo nbgZgkh\h]h kh^_j`Zgby
2. Ebqghklgu_ j_amevlZlu j_ZebaZpbb ijh]jZffu \hkiblZgby hij_
hljZke_\ufb lj_[h\Zgbyfb d ^_eh\uf dZq_kl\Zf ebqghklb

EJ Kh[ex^Zxsbc wlbq_kdb_ lj_[h\Zgby d ijhn_kkbhgZevghfm
EJ Hjb_glbjh\Zgguc gZ kh[ex^_gb_ ijZ\ q_eh_dZ b m\Z`_gb_ ^
EJ Kh[ex^Zxsbc lj_[h\Zgby dhgnb^_gpbZevghklb ebqghc bgn
Ebqghklgu_ j_amevlZlu j_ZebaZpbb ijh]jZffu \hkiblZgby hij_^_e
Jhkkbckdhc N_^_jZpbb

EJ KhojZgyxsb gZpomeZevgm x b^_glbqghklv \ mkeh\byo
h[jZah\ZI_evgh]h ijhp_kkZ
3. Ebqghklgu_ j_amevlZlu j_ZebaZpbb ijh]jZffu \hkiblZgby hij_
jZ[hlh^ZI_eyfb
EJ =hlh\uc khhl_lkl\h\Zlv h`b^Zgbyf jZ[hlh^ZI_e_c hkhagZg
\uihegyxsb ijhn_kkbhgZevgu_ lj_[h\Zgby hl_lkl_gguc
imgdlmZevguc ^bkpbiebgbjh\Zgguc ljm^hex[b\uc djblbq_kdb
fukeysbc gZp_e_gguc gZ ^hklb`_gb_ ihklZ\e_gguo p_
ijhn_kkbhgZevgm x `bag_klhcdhklv
EJ Kihkh[guc d kZfhklhyl_evghfm j_r_gbx \hijhkh\ `bag_mklj
EJ <eZ^_xsb gZ\udZfb ijbgylby j_r_[g b h c u k h p b Z e k g h
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EJ HkhagZxsb hl_lkl_gghklv aZ iheghlm dZq_kl\h b k\h_lj_
ij_^hklZ\e_gby deb_glm \k_c g_h[oh^bfhc ^ey g_]h bgnhjfZp
h[s_kl\hf aZ j_amevlZlu k\h_c ^_yl_evghklb
4. Ebqghklgu_ j_amevlZlu j_ZebaZpbb ijh]jZffu_ eh kj g u Z g b r y [t h i d l Z
h[jZah\ZI_evgh]h ijhp_kkZ
EJ Kh^_ckl\mxsb ih^^_j`Zgbx ij_klb`Z k\h_c ijhn_kkbb
hj]ZgbaZpbb
EJ >_fhgkljZpby gZ\udh\ f`_ebqghklgh]h ^_eh\h]h h[s_gby khp
EJ >_fhgkljbjmxsb ^h[jh`_eZI_evghklv ebqgm x ihjy^hqghklv i
\ aZbfh^_ckl\bb k deb_glhf
EJ >h[jh\hevq_kdb_ bgpbZlb\ u ih ih^^_j`db bg\Zeb^h\ b ij_klZ
j]Z`^Zg b ebp gZoh^ysboky \ L@K

Dhebq_kl\h qZkh\ gZ hk\h_gb_ jZ[hq_ a b i k p l j Z e f b g u m q _ [g h c
fZdkbfZevghc mq_[ghc gZ]jmadZ \k_ 54 m q Z Z \ s l h] f h k y q b k e _
h[yaZI_evghc Zm^blhjghc mq_[ghc gZ]jmadZ h[mqZxs_]
kZfhklhyl_evghc jZ[hlu h[18 q Z k s \] hky

fZdkbfZevghc mq_[ghc gZ]jmadZ \k_ 54 m q Z Z \ s l h] f h k y q b k e _
h[yaZI_evghc Zm^blhjghc mq_[ghc gZ]jmadZ h[mqZxs_]
kZfhklhyl_evghc jZ[hlu h[4m q Z Z k s h \] hky

KLJMDLMBJ:KH>?J@:GB? MQ?;GHC >BKPBIEBGU

H[t_f mq_[ghc ^bkpbiebg u b \b^u mq_[ghc jZ[hlu

<b^ mq_[ghc jZ[hlu	H[t_f qZk HNH	H[t_f qZk ANH
FZdkbfZevgZy mq_[gZy gZ]jmadZ \k_	54	54
H[yaZI_evghc \h \aZbfh^_ckl\bb k ij_i	36	6
\ lhf qbke_ nhjf_ ijZdlbq_kdhc ih^]hl		
± ijZdlbq_kdb_ aZgylby	22	

KZfhklhyl_evgy jZ[hIZ h[mqZxs_]hky	18	48
\ lhf qbke_		
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ih^]hIh\dZ d ijZdlbq_kdbf aZgylby		
ih^]hIh\dZ khh[s_gbc		
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L_fZlBq_kdbc ieZg b kh^_j`Zgb_ mqH[ghc>^bckrpbigbZpubhggh_ h[_ki_q_gb_ mijZ\e_gb

<p>GZbf_gh\Zgb jZa^_eh\ b l</p>	<p>Kh^_j`Zgb_ mq_[gh]h fZI_jbZeZ eZ[hjZlhjgu_ b ijZdlbq_ kZfhklhyl_evGZy jZ[hIZ h[mqZxsbokY</p>	<p>H[t_f qZkl</p>	<p>Dh^u dhfi_l gpbc</p>
<p>1</p>	<p>2</p>	<p>3</p>	<p>4</p>
<p>JZa^_e]j]ZgbaZpby b l_ogheh]by ^hdmf_glZpbhggh]h h[_ki_q_gby m</p>			
<p>L_fZ >hdmf_glbjh\ mijZ\e_gq_k ^_yl_evghk</p>	<p>Kh^_j`Zgb_ mq_[gh]h fZI_jbZeZ 1 lhgylb_ p_eb aZ^Zqb b ijbppbiu Hkehljhu_a\hkgyl\Zy ^hdmf_ h[_ki_q_gby mijZ\e_gby^hdmf_glZ \ `bagb q_eh\dZ b \ ^hdmf_glbjh\Zgby ^hdmf_glZ MgbnbdZpby b klZg^ZjlbaZpby \ KZfhklhyl_evGZy jZ[hIZ h[mqZxsbokY Bamq_gb_ dhgki_dIZ e_dpbc Bamq_gb_ hkgh\ghc ebl_jZlmju JmfugbgZ E : >hdmf_glZpbhggh_ h[_ki_q_gb_ kmijZ\e_gby lh^]hlh\dZ khh[s_gbc ih l_fZf lhgylb_ @^hdmf_gl^ hlebqbl_evgu_ ijbagZdb ^hdmf_glZ bklhjb khklhygb_ \hijhkZ >hdmf_gl dZd kbkl_fZ We_f_glu nhjfbjmxsb_ ^hdmf_gl dZd kbkl >hdmf_gl dZd hkgh\Z khpbZebghc dhffmgbd >hdmf_glgZy ^_yl_evghklv ijhp_kku h[jZs_gby ^hdmf_glZ Mgbnbpbjh\Zggu_ kbkl_fu ^hdmf_glZpbb p_ev kha^Zgby b gZag</p>	<p>2 2</p>	<p>HD HD HD HD</p>
<p>L_fZ ljZ\beZ hnhjfe_gby ^hdmf_glh\</p>	<p>Kh^_j`Zgb_ mq_[gh]h fZI_jbZeZ 1 H[sbc ihjy^hd hnhjfe_gbyglh\ ;eZgdb ^hdmf_glh\ Lj_[h\Zgby d hj]ZgbaZpby^hdmf_glh\ ^bl_evguo ^hdmf_glh\ ljZ\beZ hnhjfe_gby b Hnhjfe_gb_ l_dklh\ ^hdmf_glh\ Lj_[h\Zgby d [eZgdZf ^hdmf_gl ljZdlbq_kdh_ aZgyHhjhjfe_gb_ ^hdmf_glh\ \ Zgd_lghc b ljZnZj_lghc KZfhklhyl_evGZy jZ[hIZ h[mqZxsbokY Bamq_gb_ dhgki_dIZ e_dpbb Bamq_gb_ hkgh\ghc ebl_jZlmju JmfugbgZ E : >hdmf_glZpbhggh_ h[_ki_q_gb_ kmijZ\eklgby105; Bamq_gb_ ^hihegbl_evghc ebl_jZlmju Dmgy_ G G >hdmf_glh_EFgb_ mkl]g18d. lh^]hlh\dZ d ijZdlbq_kdhfm aZgylbx</p>	<p>2 4 2</p>	<p>HD HD HD HD</p>

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L_fZ	Kh^_j`Zgb_mq_[gh]h fZI_jbZeZ	2	
Kbkl_fZ	1- Hj]ZgbaZpbhggu_ ^hdmf_glu mklZ\ iheh`_gb_ ^h]h\hj mqj_		
hj]ZgbaZpbh	2 ijZ\beZ \gmlj_gg_]h ljm^h\h]h jZkihjy^dZ rIzIgh_ jZkibkZgb_		
jZkihjy^bl_ev	hj]ZgbaZpbh bgkljmdpbb ^he`ghD egZk_k bngkd Zp b p b]Z & v g jyo^ b^ hdm		
^hdmf_glZpb	JZkihjy^bl_evgu_ ^hdmf_glu ihklZgh\e_gb_ j_r_gm dZ a ZgdZ aj		
BgnhjZpbhg	3 BgnhjZpbhg kjZ\hqqgu_ ^hdmf_glu ijhlhdhe ^hdeZ^gZy aZib		
kijZ\hqqgu_	ij^eh`_gZeh[Z k\h^dZ aZdexq_gb_ hlau\ ^hdmf_glu h[_ki		
^hdmf_glu	Hkh[_gghklb hnhjfe_gby ^hdmf_glh\		
	ljZdlbq_kdh_ aZgyIb_ < Hnhjfe_gb_ jZkihjy^bl_evguo ^hdmf_glh\	4	HD
	ljZdlbq_kdh_ aZgyIb_ < Hgnhj h f Zpbh h g j Z \hqqguo ^hdmf_glh\	4	HD
	KZfhklhyl_evGZy jZ[hIZ h[mqZxsboky	2	HD
	Bamq_gb_dhgki_dIZ e_dpbb		HD
	Bmq_gb_hkgh\ghc ebl_jZlmju		
	JmfugbgZ E : >hdmf_glZpbhggh_ h[_kF_q_gb_ Km j]Z^e_gby		
	JZa^hjh`guc>:hdmf_glbjh\Zgb_ mijZ\e_gq_kdhc ^_yl_evGhklb M d L		
	70 ±89;		
	3. Bamq_gb_ ghfZlb\guo ijZ\h\uo ^hdmf_glh\		
	=HKL J- Kbkl_fZ klZg^Zjh\ ih bgnhjZpbh [b[ebhl_qghfm b		
	Hj]ZgbaZpbhg ghjy^bl_evgZyf_glZpby Lj_[h\Zgby d hnhjfe_gbx ^h		
	lhklZgh\e_gb_ =hkm^Zkl_ggh]h dhfbl_lZ JN ih klZlbklbd_ hl yg		
	mgbnbpbjh\Zgguo nhjf i_j\bqghc mq_lghc ^hdmf_glZpbh ih mq_lm		
	lh^]hlh\dZ d ijZdlbq_kdbo		
	Hnhjfe_gb_hlq_lZ h \luiheg_gbb ijZdlbq_kdbo aZ^Zgbc		
	JZa^_e Hj]ZgbaZpby jZ[hlu k ^hdmf_glZfb		
L_fZ.1	Kh^_j`Zgb_mq_[gh]h fZI_jbZeZ	2	
Hj]ZgbaZpby	1 Kh\j_f_ggu_ hj]ZgbaZpbhggu_ ^hdmf_glu mklZ\ iheh`_gb_ ^h]h\hj mqj_		HD
^hdmf_glZpbh	^hdmf_glZpbhggh]h h[_ki_q_gby mijZ\e_gby >he`ghklghc b qb		HD
h[_ki_q_gb	^hdmf_glZpbhggh]h h[_ki_q_gby mijZ\e_gby Nmgdpbb jZ[hlg		HD
mijZ\e_gby	h[_ki_q_gby mijZ\e_g`ghklgu_ bgkljmdpbb Nhjfu ih\ur_gby d\Z		HD
	\ h[eZklb ^hdmf_glZpbhggh]h h[_ki_q_gby mijZ\e_gby		HD

		KZfhklhyl_evgZy jZ[hIZ h[mqZxsboky Bamqgbgki_dIZ e_dpbb Bamq_gb_ hkgh\ghc ebl_jZImju JmfugbgZ E : >hdmf_gIZpbhggh_ h[_kF_q_gb_KmijZ16e_gby Bamq_gb_ ghjfZib\guo ijZ\h\uo ^hdmf_glh\ =HKL J - KB;B> >_ehijhba\h^kl\h b Zjob\gh_ ^_eh -IE_jBagnu b klZg^Zjh\ - k	2	
L_fZ2		Kh^_j`Zgb_ mq_[gh]h fZI_jbZeZ	2	
Hkms_kl\e_g h[jZ[hldb ^hdmf_glh\ Dhgljhev bkih\ ^hdmf_glh\ 1		lhgylb_ \oh^ysbo \gmlj_ggbo b bkoh^jyosgpcbi^h^m]bkgjZpbb ^h J_]bkljZpbhggu_ nhjfu khklZ\ bgnhjZpbb b ihjy^hd bo az j_]bkljZpbb \]hkm^Zjkl_gghf ^_ehijhba\h^kl\ 2		HD HD HD HD
		AgZq_gb_ ijbgpbiu b lj_[h\Zgby d hj]ZgbaZpbb^hdmgfjgk ^_ehijhba\h^kl_ DZI_]hjby ^hdmf_glh\ ih^e`Zsb_dhglj bkihevah\Zgb_ ^Zgguo h[bkiheg_gbb ^hdmf_glh\ \ mkeh\byo l_ogheh]bb h[jZ[hldb ^hdmf_glh\ : \lfZibabjh\Zggeg_gkbyl^frud ljZdlbq_kdh_ aZgyHbjZ[hldZ ^hdmf_ggh]h^ed bo bkiheg_gby	4	
		KZfhklhyl_evgZy jZ[hIZ h[mqZxsboky Bamq_gb_ hkgh\guo ihgyIBC dhgki_dIZ e_dpbb Bamq_gb_ hkgh\ghc ebl_jZImju JmfugbgZ E : >hdmf_gIZpbhggh_ mijZRe_gby Klj-132; 133-139 JZa^hjh`guc : : >hdmf_glbjh\Zgb_ mijZ\e_gq_kdhc ^_yFl_evghkKb 181 ± Klj ±185. Bamq_gb_ ^hihegbl_evghc ebl_jZImju lr_gdh : < >hdmf_gIZpbhggh_gb_ mijZRe_gby Klj ±123. Bamq_gb_ ghjfZib\guo ijZ\h\uo ^hdmf_glh\ =HKL J - KB;B> >_ehijhba\h^kl\h b Zjob\gh_ ^_eh -IE_jBagnu b klZg^Zjh\ - k =HKL J - KbkI_fZ klZg^ZjhjZpbbgr[b[ebhl_qghfm b ba^ZI_evk Hj]ZgbaZpbgghy^bl_evgZy ^hdmf_gIZpby Lj_[h\Zgby d hnhjfe_ lh^]hlh\dZ d ijZdlbq_kdhfm aZgyIbx Hnhjfe_gb_ hlq_IZ h \ui	4	
L_fZ3		Kh^_j`Zgb_ mq_[gh]h fZI_jbZeZ	2	

<p>Hj]ZgbaZpbb ^_ehijhba\h^ ih h[jZs_gby]jZ`^Zg</p>	<p>1 Hkgh\gu_ aZ^Zqb ^_ehijhba\h^kl_gghc kem`[u ih hj]ZgbaZpbb hkh[_gghklb Hi_jZpbb ih ijb_fm j_]bkljZpbb dhgljhex bkiheg_g]jZ`^Zg Kjhdb bkiheg_gby Lj_[h\Zgby d kh^Ih\Zgbx hl_lguo ^hd</p>		
	<p>ljZdlbq_kdh_ aZgylb_ < Hj]ZgbaZpby ^_ehijhba\h^kl\Z ih h[jZs_g KZfhklhyl_evgy jZ[hIZ h[mqZxsbooky Bamq_gb_ hkgh\guo ihgylbc dhgki_dIZ e_dpbb Bamq_gb_ hkgh\ghc ebl_jZlmju JmfugbgZ E : >hdmf_gIZpbhgghjZ\h_e[ghy q_gk]33- Klj -186; Bamq_gb_ ghjfZlb\guo ijZ\h\uo ^hdmf_glh\ -N_^_jZevguc aZdhg hl bxeyA ©H] bgnhjZpbb bgnhjZpbhgguo aZsbl_ bgnhjZpbb^a N_^_jZevguc aZdhg hl -NA f_ h1 H ihjy^d_ jZkkfhlj_g]jZ`^Zg Jhkkbckdhc N_^_jZpbb \ ^_ckl\mxs_c j_^Zdpbb I_j_q_gv k_^_gbc dhgnb^_gpbZevgh]h oZjZdl_jZ ml_j`^_gguc] < -N_^_jZevguc aZdhg hl b2eyA ©H]i_jkhgZevguo ^Zgguo^a -=jZ`^Zgkdbc dh^_dk Jhkkbckdhc N_^_jZpbb q b \ ^_ckl\mxs_c -N_^_jZevguc aZdhg hl ^_dZ]jA ©Lj]h^h\hc dh^_dk Jhkkbckdhc N ^_ckl\mxs_c j_^Zdpbb; kl -Iheh`_gb_ h ihjy^d_ h[jZs_gby kh kem`_[ghc bgnhjZpb_c h]jZgb n_^_jZevguo hj]ZgZo bkihegbl_evghc \eZklb ml_j`^_ggh_ ihklZg ghy[jy] < JZa^hjh`guc : : >hdmf_glbjh\Zgb_ymhjeZ\ghgld_ km qc [gh F ihkh.182 lh^]hlh\dZ d ijZdlbq_kdhfm aZgylbx Hnhjfe_gb_ hlq_lZ h \uiheg_gbb ijZdlbq_kdbo aZ^Zgbc</p>	<p>2 2 HD HD HD HD</p>	
<p>L_fZ4 Nhjfbjh\Zgb ojZg_gb_ ^ ^_ehijhba\h^</p>	<p>1 Kh^_j`Zgb_ mq_[gh]h fZI_jbZeZ Hkgh\gu_ lj_[h\Zgby d nhjfbjh\Zgbx ^_e Nhjfbjh\Zgb_ ^_e \ h mijZ\h_gby AZ^Zqb kem`[u >HM b _^hfkl_ggh]h Zjob\Z i nhjfbjh\Zgby ^hdmf_glh\ jZaebqguo dZI_]hjbc \ ^_eZ^h]lmgfpg \gmljb ^_e Hkh[_gghklb hnhjfe_gby ^_e ih ebqghfm khkl]hkm^Zjkl_gguo b fmgpbpiZevguo kem`Zsbo</p>	<p>2 HD HD HD HD</p>	
	<p>ljZdlbq_kdh_ aZgylb_ < H^hdmf_gbh\ ^ey i_j_^Zqb \ Zjob\ hj]Zgb</p>	<p>4</p>	

	<p>KZfhkIhyl_evGZy jZ[hIZ h[mqZxsbokY Bamq_gb_ hkgh\guo ihgylbc dhgki_dIZ e_dpbb Bamq_gb_ hkgh\ghc ebl_jZImju JmfugbgZ E : >hdmf_gIZpbhggh_ h[_kF_q_gb_ KmjjZSe_gby JZa^hjh`guc : : >hdmf_gIbjh\Zgb^_mIjZ\veg_hkd_bkdMhQ_[gIF_ ihkh[bKl 192-195; Bamq_gb_ ghjfZlb\guo ijZ\h\uo ^hdmf_glh\ =HKL J - KB;B> >_ehijhba\h^kl\h b Zjob\gh_ ^_eh -IE_jBagnu b klZg^ZjIh\ - k =HKL - H[eh`db ^_e ^e bkljedv\uojZg_gby Lbiu jZagh\b^ghklb lj_[h\Zg_bfy lh^]hlh\dZ d ijZdlbq_kdhfm aZgylbx Hnhjfe_gb_ hlq_IZ h \uiheg_gbb ijZdlbq_kdbo aZ^Zgbc</p>	4	
<K?=H		54	

2.3.L_fZlBq_kdbc ieZg
mq_[ghc ^bkpbHēbgūhdmf_glZpbhggh_ h[_ki_q_gb_ ^ey aZhqghc nhjfu h[mq_gby

i i	GZbf_gh\Zgb_ jZa^_eh\ b l_f	<k_]h aZgylb
		dmj
1	lhgylb_ p_eb aZ^Zqb b ijbgpbui ^_ehijh ihgylby ^hdmf_glZpbhggh]h h[_ki_q_gby ^hdmf_glZ \ `bagb q_eh_dZ b \ h[s_kl\ ^hdmf_glbjh\Zgby Nmgdpbb ^hdmf_glZ klZg^ZjlbaZpby \ ^_ehijhba\h^kl\ _	2
2	Kh\j_f_ggu_ hj]ZgbaZpbhggu_ nhjfu kem` Lbih\u_ iheh`_gby h kem`[Zo ^hdmf_glZp mijZ\e_gby >he`ghklghc b qbke_gguc kh kem`[u ^hdmf_glZpbhggh]h h[_ki_q_gby n jZ[hlgbdh\ kem`[u ^b d g g h g h Zp[_ki_q_gby	2
3	Hkgh\gu_ lj_[h\Zgby d nhjfbjh\Zgbx ^_e hj]ZgbaZpbyo jZaebqguo mjh\g_c mijZ\e_ >HM b _^hfkl_ggh]h Zjob\Z ih nhjfbjh\Z nhjfbjh\Zgby ^hdmf_glh\ jZaebqguo dZl_]] ljbgpbui kbkl_fZlbaZpbb\ ^gdmhfb_g_e Hkh hnhjfe_gby ^_e ih ebqghfm khklZ\m	2
<K? = H		6

3. MKEH<BY J?:EBA:PB;MHC >BKPBIEBGU

3.1 Lj_[h\Zgby d fbgbfZevghfm fZl_ogbZ_e_kd hfm h[_ki_q_gbx

>ey j_ZebaZpbb ijh]jZffu mq_[ghc ^bkpbileb_gumixs_b_m kkih_lj_bZ
ihf_s_gby \ khhl_lkl\bb k N=HK b HIHl
- dZ[bg_l hkgZs_gguc h[mjqn^h\Zgbh_kZ^hqqgu_ f_klZ ^ey h
ij_ih^Z\Zl_ey deZkkgZy ^hkdZ g_Zl]eygqg_kdZ_l_jbZ_e_kl\Z h
bgl_jZdlb\gZy i^hkdZ h fivxl_j
- dZ[bg_l ^ey kZfhklhyl_evghc jZ[hlu

BgnhjZpbhg[h[_ki_q_gb_ h[mq_gby

>ey j_ZebaZpbb ijh]jZffu [b[ebhl_qguc nhg^ h[jZah\ZI_ev
i_qZlguwe_dljhggu_ h[jZah\ZI_evgu_ b bgnhjZpbbhggu_ j_km
h[jZah\ZI_evghf ijhp_kk_

GhjfZlb\ghZ\h\u_ Zdlu

1. Dhgklblmpby JhkkbckjZpbb] k mq_lhf ihljZ\k_dgguc
AZdhgZfb JN h ihijZ\dZo d DhgklblmpbbNDNA hhl - <
NDA hl -NDA hl -NDA
2. N_^_jZevguc aZdhg hl bxeY - ©H] jhkm^Zjkl_gghc l
^_ckl\mxs_c j_^Zdpbb
3. =jZ^Zgkdbc dh^_dk Jhkkbckdhc N_^_jZpbb aZdpbb \^_c
4. Ljm^h\hc dh^_dk Jhkkbckdhc^NjZevjZpbb aZdhg hl ^_dZ[
197-NA \^_ckl\mxs_c j_^Zdpbb
5. N_^_jZevguc aZdhg hl yGMAj©H[w_e_dljhgghc pbnjh\hc
^_ckl\mxs_c j_^Zdpbb
6. N_^_jZevguc aZdhg hl] bxeY ©H dhff_jq_kdhc lZcg_a \^
j_^Zdpbb
7. N_^_jZevguc aZdhg hl hdly[jMA ©H] Zjob\ghf ^_e_ \ J
N_^_jZpbb^a \^_ckl\mxs_c j_^Zdpbb
8. N_^_jZevguc aZdhg JN hl -NA ©H[bgnhjZpbb hggabj
l_ogheh]byo b h aZsbl_ bgnhjZpbb^a \^_ckl\mxs_c j_^Zdp
9. N_^_jZevguc aZdhg hl fZYNA ©H ihjy^d_ jZkkfhlj_gby
]jZ^Zg Jhkkbckdhc N_^_jZpbb^a \^_ckl\mxs_c j_^Zdpbb
10. N_^_jZevguc aZdhg hl -NA ©H(i_jkhgZevgguo^a \^_ckl\m
j_^Zdpbb
11. N_^_jZevguc aZdhg hl -NA©H[hkgh\Zo khpbZevgh]h h[
]jZ^Zg \ Jhkkbckdhc^a N_^_jZpbb^a \^_ckl\mxs_c j_^Zdpbb
12. l_j_q_gv k\^_gbc dhgnb^_gpbZevgh]h oZjZdl_jZ MI\
Jhkkbckdhc^a jZpbb hl fZjIZ] < \^_ckl\mxs_c j_^Zc
13. lhklZgh\e_gb_ ljZ\bl_evkl\Z JN hl < H ^_yl_e
^_l_cbjhl b ^_l_c hklZ\rboky [_a ihi_q_gby jh^bl_e_c b
hklZ\rboky [_a ihi_q_gby cjh \f_kl_ k lkeh`_gb_f h
hj]ZgbaZpbc ^_l_cbjhl^_l_c hklZ\rboky [_a ihi_q_gby
mkljhckl_ \ gbo ^_l_c hklZ\rboky [_a ihi_q_gby jh^bl_e_c
14. lhklZgh\e_gb_ ljZ\bl_evkl\Z Jhkkbckdhc N_^_jZpbb^a hl ©H[g
bkihevah\Zgby ojZg_gby b mgbqlh`_gby i_qZl_c b [eZ
=hkm^Zjkl_ggh]h]_j[Z Jhkkbckdhc N_^_jZpbb^a hl ^_c
^_ckl\mxs_c j_^Zdpbb
15. lkeh`_gb_ h ihjy^d_ h[jZs_gby kh kem`_[ghc bgmhjf
jZkijhkljZg_gby \ n_^_jZevguo hj]ZgZo bkihegbl_evgh
ihklZgh\e_gb_f ljZ\bl_evkl\Z Jhkkbckdhc N_^_jZpbb hl
^_ckl\mxs_c j_^Zdpbb
16. lhklZgh\e_gb_ ljZ\bl_evkl\Z Jhkkbckdhc N_^_jZpbb hl
ljm^h\uo dgb`dZo^a \^_ckl\mxs_c j_^Zdpbb

17. lhklZgh\^_gb_ =hkm^Zjkl_ggh]h dhfbl_IZ Jhkkbckdhc N_ yg\Zjy] < ©H[ml_j`^_gbb mgbnbpbjh\Zgguo nh ^hdmf_glZpbb ih mq_lm ljm^Z b_]h hieZdpbb\ ^_ckl\mxs_c
18. ljbDZa Fbgdmevlmju Jhkkbb hl < j_^ hl ©l_j_qgy lbiH\uo mijZ\^_gq_kdbo Zjob\guo ^hdmf_glh\ ^_yl_evghklb]hkm^Zjkl_ggh]h kZfhmijZ\^_gby b h kmdZaZgb_f kjhdh\ ojZg_gby \ ^_ckl\mxs_c j_^Zdpbb
19. =HKL J - KB;B> >_ehijhba\h^kl\h b Zjob\gh_ ^_eh L_-F B^h klZg^Zjh\ k
20. =HKL J - KhpbZevgh_ h[kem`b\Zgb_ gZk_e_gby Hkgh mkem]
21. =HKU - Kbkf_Z klZg^Zjh\ ih bgnhjfZpbb [b[ebhl_qg ^_em HjjZgbajZpbhijg^bl_evgZy ^hdmf_glZpby Lj_[h\Zgb ^hdmf_glh\
22. ljbDZa Fbglijm^Z Jhkkbb hl < g ©H[ml_j`^_gbb ij_^hklZ\^_gbbZevguo mkem]^a ©JhkkbckdZy]Za_IZ^a <
23. ljbDZa Fbglijm^Z Jhkkbb hl 1 g j_^ hl ^h]h\hjZ h ij_^hklZ\^_gbb khpbZevguo mkem] Z IZd`_ ijh]jZffu ij_^hklZ\^_gby khpbZevguo
24. lhklZgh\^_gb_ ljZ\bl_evkl\h JH hl < ©H[ml_j`^_gbb ij_^hklZ\^_gby khpbZevgh]Za^Zfb] khpbZevguo mkem]^a Hkgh\gu_ bklhqgddb
1. JmfugbgZ E : >hdmf_glZpbhggh_ h[_ki_q_gb_ mijZ\^_gbb mqj`^_gbb^ ijhn h[jZaF\Zgbay^ZI_evkdbc p_glj ©9.dZ^_fby^a
2. JZa^hjh`guc : : >hdmf_glbjh\Zgb_ mijZ\^_gq_kdhc ^_yl_e F BGNF:
- 3.>hjhgbgZ E : >hdmf_glZpbhggh_ h[_ki_q_gb_ mijZ\^_gbb kj_^g_]h ijhn_kkbhgZevgh]h h[jZah\Zgby E : >hjhgbgZ Ba^ZI_evkl\h XjZel k^2 Ijhn_kkbhgZevgh_ h[jZah\Zgby ISBN 978-5-534057836. ^2 L_dkl we_dljhguc W;K XfZcURL:>kZ https://urait.ru/bcode/4537 >hihegbl_evgu_ bklhqgddb
1. :g^j__\Z < B >_ehijhba\h^kl\h hj]ZgbaZpbhijg^bl_evgh]h k^2 Ijhn_kkbhgZevgh_ h[jZah\Zgby ISBN 978-5-534057836. ^2 L_dkl we_dljhguc W;K XfZcURL:>kZ
2. DZd hnhjfbly ih`beh]h jh^kl_ggbdZ \ ^hf ^ey ij_klZj_euc ©a[mdZ ij 2019)
3. Dmgy_ \ Ghdmf_glh_^_gb_ ±Fmq_E[lg]hck
4. FZghoh\Z K < KhpbZevgh_ h[kem`b\Zgb_ gZ ^hfm ^hdmf_ HI^_e dZ^jh\]hkm^Zjkl_ggh]h fmgbbpbiZevgh]h-46qj`^_
5. lr_gdh : < >hdmf_glZpbhgghijZhe_kjby_gtbq_[m ihkh[b_ ^ey ijhn mq_[aZ\F^_gbb^ZI_evkdbc p_glj ©:dZ^_fby^a
6. @mjgZe ©KijZ\hgqgd dZ^jh\bdZ^a
7. :ev[hf mgbnbpbjh\Zgguo nhjf i_j\bqghc mq_lg±hcf ^h GBIBklZlbgnhjf =hkdhfklZIZ Jhkkbb

8. =hkm^ZjgZy kbkl_fZ ^hdmf_glZpbhggh]h h[_ki_q_gby
 iheh`_gby H[sb_ lj_[h\Zgby d ^hdmf_glZf b kem`[Zf ^hdmf
 ±F <GBB>:>
9. F_lh^bq_kdb_ j_dhf_g^Zpbb ih jZajZ[hld_ ijbf_jguo ghf_<GBB>:Khk : G Khdh\Z L J ;_eZyFF E-=Z\ebg
- 10.Dhjg__\ B D >hdmf_glZpbhggh_ h[_ki_q_gb_ mijZ\^_g
 ijZdlbdfmf ^ey kj_^g_]h ijhn_kkbhgZevgh]h h[jZah\Zgby B
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 Ijhn_kkbhgZevgh_ h[jZah\Zgby L_dkl we_dljhgguo
 XjZcl >kZcUK@: https://urait.ru/bcode/453688

4. DHGLJHEV B HP?GADMEVL:LH< HK<HMOBYGHC >BKPBIEBGU

J_amevlZlu h[mq	Nhjfu b f_lh^u dhgljhey b hp_gdb j_amev
Hk\h_ggu_ mf_gb	
± hnhjfeylv hj]Z- hgghZkihjy^bl_ev ^hdmf_glu \ khhl k ghjfZlb\ghc [Za bkihevamy bgnt gu_ l_ogheh]bb	-mklguc hijhk ih,1.3f_ -hp_gdZ j_amevlZlh\ \uiheg_gby ijZdlbq_@ j_amevlZlh\ gZ[ex^_gbc aZ ^_yl_evghk ijhp_kk_ \uiheg_gby ijZdlbq_kdbo aZ^Zgb IA < IA < IA < ijhf_`mlhqqZy Zll_klZpby
± mgbnbpbjh\Zlv kbkl_fu ^hdmf_gl	-mklguc hijhk ih l_f_ -hp_gdZ j_amevlZlh\ \uiheg_gby ijZdlbq_@ j_amevlZlh\ gZ[ex^_gbc aZ ^_yl_evghk ijhp_kk_ \uiheg_gby ijZdlbq_kdbo aZ^Zgb ijhf_`mlhqqZy Zll_klZpby
-hkms_kl\eyZvg_gk ihbkd ^hdmf_glh\	-mklguc hijhk ih l_f_ -hp_gdZ j_amevlZlh\ \uiheg_gby ijZdlbq_@ j_amevlZlh\ gZ[ex^_gbc aZ ^_yl_evghk ijhp_kk_ \uiheg_gby ijZdlbq_Akdbo aZ^Zgb ijhf_`mlhqqZy Zll_klZpby
-hkms_kl\eylv Z\lhfZlbaZpbx h[^hdmf_glh\	-mklguc hijhk ih l_f_ -hp_gdZ j_amevlZlh\ \uiheg_gby ijZdlbq_@ j_amevlZlh\ gZ[ex^_gbc aZ ^_yl_evghk ijhp_kk_ \uiheg_gby ijZdlbq_Akdbo aZ^Zgb ijhf_`mlhqqZy Zll_klZpby
± bkihevah\Zlv l_e_dhffmgbdZpb l_ogheh]bb \ we_ ^hdmf_glhh[hjhl_	-mklguc hijhk ih l_f_ -hp_gdZ j_amevlZlh\ \uiheg_gby ijZdlbq_@ j_amevlZlh\ gZ[ex^_gbc aZ ^_yl_evghk ijhp_kk_ \uiheg_gby ijZdlbq_kdbo ;aZ^Zgbc ijhf_`mlhqqZy Zll_klZpby
± hkms_kl\eylv h[jZ[hldm ^hdmf_ h[jZs_gbyf]jZ`^Z	-mklguc hijhk ih l_f_ -hp_gdZ j_amevlZlh\ \uiheg_gby ijZdlbq_@ j_amevlZlh\ gZ[ex^_gbc aZ h\mydZesgjhk ijhp_kk_ \uiheg_gby ijZdlbq_Akdbo aZ^Zgb ijhf_`mlhqqZy Zll_klZpby

± hkms_kl\eylv h dhgnb^_gpbZevg ^hdmf_glh\	- njhglZevguc hijhk ih l_f_ -hp_gdZ j_amevlZlh\ \uiheg_gby ijZdlpbq j_amevlZlh\ gZ[ex^_gbyl_evghklvx h[m ijhp_kk_ \uiheg_gby ijZdlbqAkqbo aZ^Zgbc ijhf_`mlhqgZy Zll_klZpby
± hnhjfeylv i ^hdmf_glh\ ij_`hklZ\`e_gby khpZevguo mke	- mklguc hijhk ih l_f_ -hp_gdZ j_amevlZlh\ \uiheg_gby ijZdlpbq j_amevlZlh\ gZ[ex^_gbc aZ ^_yl_evghk ijhp_kk_ \uiheg_gby ijZdlbq_kdk IA< IA< IA< IA<; ijhf_`mlhqgZy Zll_klZpby
Mk\h_ggu_ agZg	
± ihgylb_ p_eb ijbgpbui ^_ehijhba\h^kl\Z	-mklguc hijhk ih l_f_ --dhgljhev \uiheg_gby KJK ih l_f_ ijhf_`mlhqgZy Zll_klZpby
± hkgh\gu_ i ^hdmf_glZpbhggl h[_ki_q_gby mijZ	-mklguc hijhk ih l_f_ -dhgljhev \uiheg_gby KJK ih l_f_ ijhf_`mlhqgZy Zll_klZpby
± kbkl_fu ^hdmf_glZpbhggl h[_ki_q_gby mijZ	-mklguc hijhk ih l_f_ l_klbjh\Zgb_ -dhgljhev \uiheg_gby KJK ih l_f_ ijhf_`mlhqgZy Zll_klZpby
± deZkkbnbdZpby	-mklguc hijhk ih l_f_ l_klbjh\Zgb_ -dhgljhev \uiheg_gby KJK ih l_f_ ijhf_`mlhqgZy Zll_klZpby
± lj_[h\Zgby d khklZ\`e_gbx b hnhjfe_gbx ^hdmf_glZpbhggl	-mklguc njhglZevguc hijhk ih l_f_ -dhgljhev \uiheg_gby KJK ih l_f_ ijhf_`mlhqgZy Zll_klZpby
± hj]ZgbaZpby ^f h[hjhZ`ijb_f h j_]bkljZpbx dl ojZg_gb_`^hdmf_g ghf_gdeZlmjZ ^_	-mklguc njhglZevguc hijhk ih 2.4,2.5 -dhgljhev \uiheg_gby KJK ih l_f_ ijhf_`mlhqgZy Zll_klZpby
± hkh[_gghklb ^ ba\h^kl\Z ih h[jZ]jZ`^Zg b dhgn Zevgh]h ^_ehijhb	-mklguc hijhk ih l_f_ -dhgljhev \uiheg_gby KJK ih l_f_ ijhf_`mlhqgZy Zll_klZpby
± hkh[_gghklb hj]ZgbaZpbb ^hdmf_glhh[hjhZ mqj_`^_gbyo kh aZsblu	-mklguc hijhk ih l_f_ -dhgljhev \uiheg_gby KJK ih l_f_ ijhf_`mlhqgZy Zll_klZpby
± Ze]hjbIf hnhjfe ^hdmf_glh\ ij_`hklZ\`e_gby khpZevguo mke	-mklguc hijhk ih l_f_ -\uiheg_gb_ bg^b\b^mZevguo aZ^Zgbc -dhgljhev \uiheg_gby KJK ih l_f_ ijhf_`mlhqgZy Zll_klZpby

:>:IL:PBW:;HQ?C IJH=J:FFU IJB H;MQ?GGB EBP K
H=J:GBQ?GGUFB <HAFH@GHKLYFB A>HJH<VY

:^ZilZpby jZ[hq_c ijh]jZffu Hb kpb b e h b g n u f _ g l Z p b h g g h _ h [_
mijZ\ e _ g b j h \ h ^ b k i y b j _ Z e b a Z p b b Z ^ Z i l b \ g h c h [j Z a h \ Z l _ e v g
ijh]jZffu ih^]hlh\ db ki _ p b Z e b k l h \ k j _ ^ g _] h K a \ p b g Z e i v g Z y p j Z e h y l o Z
h [_ k i _ q _ g b y i j Z \ Z b g \ Z e b ^ h \ b e b p k h] j Z g b q _ g g u f b \ h a f h ` g h
ijhn _ k k b h g Z e v g h] h y [j Z a h \ Z g b y g _ h [o h ^ b f u o ^ e y i h e m
ijhn _ k k b h g Z e v g h] h h [j Z a h \ Z g b y m k e h \ b c Z I Z d ` _ h [_ k i _ q _ g
b g \ Z e b ^ Z f b b e b p Z f b k h] j Z g b q _ g g u f b \ h a f h ` g h k l y f b a ^ h j h \ v y
ijZdlbq _ k d h] h h i u l Z

H[hjm^h\ZgZ[bg_lZ ^_ehijhba\h^kl\Z b j_`bfZ^eky_dj_]
h[mqZxsboky k jZaebqgufb \b^Zfb h]jZgbq_gby a^hjh\vy

HkgZs_gb_ dZ[bg_lZ ^_ehijhba\h^kl\Z b j_`bfZ k_dj_l_]
hkh[uf h[jZah\Zl_ev g u f i h l j _ [g h k l y f h [m q Z x s b o k y b g \ Z e b ^ h \
\hafh`ghklyfb a^hjh\vy DZ[bg_lu^he`gu [ulv hkgZs_gu h[h
f_klZfb k l_ogbq_kdbfb kj_^kl\Zfb h[mq_gby ^ey h[mqZxsb
h]jZgbq_gbc a^hjh\vy

DZ[bg_l dhlhjhf h[mqZxlky ebpZ k gZjmr_gb_f kemoZ ^h
jZ^bhdeZkkhf dhfivxl_jghc l_ogbdhc Zm^bhl_ogbdhc \b
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>ey keZ[h\b^ysbo h[mqZxsboky j_`mkfZljb\Zxlky ijhkf
m^Ze_gguo h[t_dlh\ ijb ihfhsb \b^_hm_ebqbl_e_c ^ey
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g_\bamZevgh]h ^hkmiZ d bgnhjZpbb l_ogbq_kdbfb mjq_[g
bgnhjZpbb \ ^hklimiguo nhjfZo

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<ur_mdZaZggh_ hkgZs_gb_ mklZgZ\eb\Z_lky \ dZ[bg_l_]
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a^hjh\vy m h[mqZxs_]hky

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jZ[hq_c ijh]jZffu ^he`_g [ulv ij_^klZ\ e_g \ nhjfZo Z^Zilbjh\
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>ey ebp k gZjmr_gbyfb aj_gby g_ f_g__ h^gh]h \b^Z

- \ i_qZlghc nhjf_ m_ebq_gguf rjbnlhf

- \ nhjf_ we_dljhggh]h ^hdmf_gIZ

- \ nhjf_ Zm^bhnZceZ

- \ i_qZlghc nhjf_ gZ yaud_ ;jZcey

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- \ i_qZlghc hgf_

- \ nhjf_ we_dljhggh]h ^hdmf_gIZ

>ey ebp k gZjmr_gb^fb]Zihjggh]h ZiiZjZIZ g_ f_g__ ^\m

- \ i_qZlghc nhjf_

- \ nhjf_ we_dljhggh]h ^hdmf_gIZ

- \ nhjf_ Zm^bhnZceZ
>ey ebp k -gk p\gthq_kdbfb gZjmr_gbyfb jZkkIh jhc kkl\hdZjzI
gZjmr_gb_ ikbobq_kdh]h jZa\blby
- bkihevah\Zgb_ l_dklZ k beexkljZpbyfb
- fmevlbf_^bcgu_ fZl_jbZeu
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\uy\le_gb_ aZljm^g_gbc h[mqZxsboky k h]jZgbq_ggufb \ha
a^hjh\vy b \g_k_gb_ dhjj_dlb\h\ \mq_[gmx ^_yl_evghklv

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\hafh`ghklyfb a^hjh\vy mklgh ibkvf_ggh gZ [mfZ]_ ibkvf_ggh g
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ih^]hIh\db d hl_lm h[mqZxsbfky g_ bf_xsbfb h]jZgbq_gbc \ kh

