

Hkgh\gZy ijhn_kkbhgZevgZy h[jZah\ZI_ evgZy ijh]jZffZ
N_^_jZevgh]h]hkm^Zjkl_ggh]h h[jZah\ZI_ evgZy ijh]h=HKKZg^Z
ki_pbZevghklb kj_^g_]h ijhn_kkbhgZevgh]h h[jZah\Zgby
ml_j`^_ggh]h]hZahf Fbgbkl_jkl\Z ijhk_s_gby JN < hl ghy
hl \oh^ys_c \ khklZ\ mdjmig_gghc]jmiiu ki
Bah[jZabl_ evgh_ b ijbdeZ^gu_ \b^u bkdmkkl\

J:KKFHLJ?GH

gZ aZk_^Zgbb l_^Z]h]bqHQM]@=kDhldZhe < hl]

JZajZ[h]bWdev^Zj[b_Z KZibyl ±ojf_ih^Z\ZI_ @MI@=fD

J_p_ga_glu

->ZfZ^Zgh\Z KZb^Z JZ]hZa_Zgh\jgZd i g >=IM O=N
DZn_^jZ >IB b f_lh^bd_ ij_ih^Z\Zgby

-HfZjh\ FZ]hf_^ FZ]hfijhh\kkdji g >=IM O=N
DZn_^jZ >IB b f_lh^bd_ ij_ih^Z\Zgby

KH>?J@:GB?

1. I:KIHJL J:;HQ?C IJH=J:FFU IJHN?KKBHG:EVG

FH>MEY

2. J?AMEVL:LU HK<H?GBY IJHN?KKBHG:EVGH=F 7
3. KLJMDLMJ: B KH>?J@:GB? IJHN?KKBHG:EVGH
FH>MEY 8
4. MKEH<BJ?:EBA:PBB IJHN?KKBHG:EVGH=H FH: 18
5. DHGLJHEV B HP?GD: J?AMEVL:LH< HK<H?GB
IJHN?KKBHG:EVGH=H FH>MEY 20
6. :>:IL:PB Y J::;HQ?C IJH=J:FFU IJB H;MQ?GBB
H=J:GBQ?GGUFB <HAFH@GHKLYFB A>HJH<V` 22
7. EBKL I?J?ML<?J@>?GBY :DLM:EBA:PBB J::;f
IJH=J:FFU>BKPBIEBGU 24

1. I:KIHJL J::;HQ?C IJH=J:FFU IJHN?KKBHG:EVGH=
FH>MEY

IF 3 Dhgljhev aZ ba]hlh\^e_gb_f ba^_ebc \ ijhba\h^kl_ \ qZ
Z\lhjkdhfm h[jZapm

1.1. H[eZklv ijbf_g_gby jZ[hq_c ijh]jZffu
jZ[hqZy ijh]jZffZ ijhn_kkbhgZevgh]h fh^mey ^Z^ey_jZyhqZyl
ijh]jZffu ih^]hlh\^db ki_pbZebklZ kj_^g_]h a_gZ \ khhl
ki_pbZevghklb KIH >baZqZahhhbljiZk^lyfhdps_c \ khk
mdjmig_cgijmiiu ijhn_kkbc Bah[jZabl_evgh_ b ijbdeZ
qZklb hk\h_gby hkgh\gh]h \b^Z ijhn_kkbhgZevgh]h Dhgljhev
aZ ba]hlh\^e_gb_f ba^_ebc \ ijhba\h^kl_ \ qZklb khhl_lkl\b
b khhl_lkl\m]sb_okkbhgZevguo dhfi_l_gpbc ID

ID Dhgljheb]h\Zlv ijhfure_ggmX ijh^mdp-bx
ijhkljZgkl_ggu_ dhfie_dku gZ ij_^f_l khhl_lkl\by lj_[h\Z
k_jlbnbdZpbb

ID Hkms_kl\eylv Z\lhjkdbc gZ^ahjomaZh`jkZevga
dhgkljmdlhjkdbo j_r_gbc ijb ba]hlh\^e_gbb b ^h\h^d_ hiulgu
ijh^mdpbb \hiehs_gb_f

jZ[hqZy ijh]jZffZ ijhn_kkbhgZevgh]h fh^mey fh`_l [
hk\h_gbb ijh]jZff ^hihegb]_evgh]h ijhn_kkbhgZevgh]h baZdgZ
ijh_dlbjh\Z]hgZebqbb kj_^g_]h h[s_]h h[jZah\Zgby Hiul jZ

P_eb b aZ^Zq_kkb]hgZevgh]h ±flj^fmaZgby d j_amevl
hk\h_gby ijhn_kkbhgZevgh]h fh^mey

K p_evx h\^eZ^_gby mdZaZgguf \b^hf ^_yl_evghklb
ijhn_kkbhgZevgufb dhfi_l_gpbyfb h[mqZxsbcy \ oh^_ hk\
fh^mey ^he`_g
bf_lv ijZq]bkdbc hiul
- ijh_^_gby f_ljheh]bq_kdhc wdki_jlbau
mf_lv
- \u[bjZlv b ijbf_gylv f_lh^bdb \uiheg_gby baf_j_gbc
- ih^[bjZlv kj_^kl\Z baf_j_gbc ^ey dhgljhey b bkiulZgby
- hij_^_eylv b ZgZebabh\Zlv ghjfZlb\gu_ ^hdmf_glu gZ
dhgljhe_dZq_kl\Z b bkiulZgbyo ijh^mdpbb
- ih^]hlZ\eb\Zlv ^hdmf_glu ^ey ijh_^_gby ih^l_j`^_gb
baf_j_gbc
agZlv
- ijbgpbiu f_ljheh]bq_kdh]h gZ_kkqg\gby wliZiZo `bag_g
ijh^mdpbb
- ihjy^hd f_ljheh]bq_kdhc wdki_jlbau l_ogbq_kdhc ^hdn
- ijbgpbiu \u[hjZ kj_^kl\ baf_j_gby b f_ljheh]bq_k
l_ogheh]bq_kdh]h ijhp_kkZ ba]hlh\^e_gby ijh^mdpbb \ p_eh
- ihjy^hd Zll_klZpbb b ijh_jdb kj_^kl\ baf_j_gby
h[hjm^h\Zgby ih]hkm^Zjkl\Zgguf klZg^Zj

1. Ebqghklgu_ j_amevlZlu j_ZebaZpbb ijh]jZffu \hkiblZgby

EJ HkhagZxsbc k_[y]jZ`^Zgbghf b aZsbIgbdhf _ebdhc klj
 EJ Ijhy\eyxsbc Zdlb\gmx jZ`^Zgkdmx ihabpbx ^_fhgkljbj
 ijbgpbiZf q_klghklb ihjy^hqqghklb hldZaZ hldZaZ hldZaZ hldZaZ hldZaZ
 klm^_gq_kdhf b l_jjblhjbZevghf kZfhmijZ\e_gbb \ Ihf
 ^h[jh\hevq_kl\Z ijh^mdlb\gh \aZbfh^_ckl\mxsbc b mqZkl
 h[s_kl_gguo hj]ZgbaZpbc
 EJ Kh[ex^Zxsbc ghjfu ijZ\hijy^dZ ZkZf_jZ`^Zgkdmx]h h[s
 h[_ki_q_gby [_ahiZkghklb ijZ\ b k\h[h^]jZ`^Zg Jhkkbb
 ijhy\e_gbyf ij_^klZ\bl_e_c km[dmevlmj hlebqZxsbc bo hl
 ^_\bZglguf ih_^_gb_f >_fhgkljbjmxsbc g_ijbylb_hpbZevgh
 hiZkgh_ ih_^_gb_ hdjm`Zxsbo
 EJ Ijhy\eyxsbc b ^_fhgkljbjmxsbc m\Z`_gb_ d ex^yf ljm^
 kh[kl_ggh]h ljm^Z Klj_fysbcky d nhjfbjh\Zgbx \ k_l_\h
 ijhn_kkbhgZevgh]h dhgkljmdlb\gh]h @pbnjh\h]h ke_^Z^a
 EJ >_fhgkljbjmxsbc ijb_j`_gghklv d jh^ghc dmevlmj_ bkIhj
 hkgh_ex[\b d Jh^bg_ jh^ghfm gZjh^m fZehc jh^bg_ ijbgy
 fgh]hgZpbhgZevgh]h gZjh^Z Jhkkbb
 EJ Ijhy\eyxsbc m\Z`_gb_ d ex^yf klZjr_]h hldZaZ hldZaZ hldZaZ hldZaZ
 khpbZevghc ih^^_j`d_ b \hehgl_jkdbo ^\b`_gbyo
 EJ HkhagZxsbc ijbhjbl_lgm p_gghklv ebqghklb q_eh_dZ
 qm`mx mgbdZevghklv \ jZaebqguo kblmZpbyo \h \k_o nhjZc
 EJ Ijhy\eyxsbc b ^_fhgkljbjmxsbc m\Z`_gb_ d ij_^klZ\bl_eyf
 wlghdmevlmjguo khpbZevguo dhgn_kkbhgZevguo b bgu
 khojZg_gbx ij_mfgh`_gbx b IjZgkeypb dmevlmjguo I
 fgh]hgZpbhgZevgh]h jhkkbckdh]h]hkm^Zjkl\Z
 EJ Kh[ex^Zxsbc b^bjmZ^Zg ijZ\beZ a^hj\h]h b [_ahiZkgh
 kihjIz ij_^mij`^Zxsbc eb[h ij_h^he_\Zxsbc aZ\bkbfbklb
 ikbohZdlb\guo _s_kl\ ZaZjIguo b]j b I^ KhojZgyxsbc ikbo
 kblmZlb\gh keh`guo beb kbjy_xbb_ekwghkblmZpbyo
 EJ AZ[hlysbcy h aZsbl_ hdjm`Zxs_c kj_^u kh[kl_gghc
 qbke_ pbnjh\hc
 EJ Ijhy\eyxsbc m\Z`_gb_ d wkl_lbq_kdbf p_gghklyf
 wkl_lbq_kdhc dmevlmju
 EJ IjbgbfZxsbc k_f_cgulhph\guchdkha^Zgbx k_fvb b \hkib
 ^_fhgkljbjmxsbc g_ijbylb_gZkbeby \ k_fv_ moh^Z hl jh^h
 hldZaZ hl hIghr_gbc kh k\hfbf ^_lvfb b bo nbgZgkh\h]h kh^_

2.Ebqghklgu_ j_amevlZlu j_ZebaZpbb ijh]jZffu \hkibIzgb
 hljZke_\ufb Ij_[h\Zgbyfb d ^_eh\uf dZq_kl\Zf ebqghklb
 EJ <u[bjZxsbc hilbfZevgu_ kihkh[u j_r_gby ijhn_kkbhgZ
 m\Z`_gby d aZdZaqbdm ihgbfZgby_]h ihlj_[ghkl_c
 EJ IjbgbfZxsbc b bkihegyxsbc klZg^Zjlu ZhgIb^d hIghr_gbc
 EJ Ijhy\eyxsbc kihkh[ghklb d ieZgbjh\Zgbx b _^_gbx
 ij_^ijbgbfZI_evkdhc ^_yl_evghklb gZ hkgh_ ihgbfZgby b k
 jhkkbckdh]h aZdhgh^ZI_evkl\Z
 Ebqghklgu_ j_amevlZlu j_ZebaZpbb ijh]jZffu \hkibIzgb hij
 Jhkkbckdhc N_^_jZpbb
 EJ KhojZgyxsbc gZpbhgZevgh]h jhkkbckdh]h b^_glbqghklv \ mkeh\byo
 h[jZah\ZI_evgh]h ijhp_kkZ
 3.Ebqghklgu_ j_amevlZlu j_ZebaZpbb ijh]jZffu \hkibIzgb
 dexq_\ufb jZ[hIh^ZI_eyfb

EJ >_fhgkljbjm d j n o i m e _ a g h k l v i _ ^ Z g l b q g h k l v \ i j h p _ k k _
jZfdZo ijhn_kkbhgZevghc ^_yl_evghklb
EJ ljbgbfZxsbc Zdlb\gh_ mqZklb_ \ h[s_kl_gghc `bag
j_]bhgZ \ dhlhjhf gZoh^biky ij^ijbylb_ mqZklb_ \
ijh_dIZo \g^jy_fjbylib_ fi\ kn_j_ ^baZcgZ
EJ Kh[ex^Zxsbc ljm^h\mx wlbdb dmevlmjm ijb^_j`b\Zx
\gmlj_gg_]h MklZ\Z b ijZ\be ljm^h\hc wlbdb ij^ijbylbc
4. Ebqghklgu_ j_amevlZlu j_ZebaZpbb ijh]jZffu \hkiblZgl
km[t_dIZfb h[jZah\ZI_evgh]h ijhp_kkZ
EJ ljbgbfZxsbc ijZ\beZ \gmlj_gg_]h jZkihjy^dZ h[mqZxsbo
qZklb \uiheg_gby h[yaZggghkl_c
J_dhf_g^m_fh_ dhebq_kl\h qZkh\ gZ hk\h_gb_
ijhn_kkbhgZevgh]h fh^mey
\k_]470 qZk\ \ lhf qbke_
fZdkbfZevghc mq_[ghd[mqZ]xsad_b B y qZkh\dexqZy yaZI_evgh
Zm^blhjghc mq_[ghc gZ]jmad b 038mqZks_kZfkyklhyl_evghc jZ
h[mqZxs_188qZk\ ijhba\h^kl_gghc ij 244lpZkZ
ljhf`mlhqZly_klZpby iB DFngljhev aZ ba]hlh\ebgb_fjbaa\h^kl\
qZklb khhl_lkl\by bo Z\lhjk d j h m ^ b h l k j Z a p m n h j f _ d \ Z e b n b d Z
wdaZf_gZ

J?AMEVL:LU HKBY?GHN?KKBHG:EVGFH→MEY

J_amevlZlhf hk\h_gby ijhn_kkbhgZevgh]h fh^mey y\ey_lky h
 ^_yl_evghdkgdjhev aZ ba]hlh\e_gb_f ba^_ebc \ ijhba\h^kl_ \
 bo Z\lhjkdhfm h[]Zabfm qbke_ ijhn_kkbhgZevgufb ID b
 dhfi_l_gpbyfb

DN	GZbf_gh\Zgb_ j_amevlZIZ h[mq_gby
ID3.1	Dhgljhebjh\Zlv ijhfure_ggm x ijh^mdpbbijhkljZig_k^f_ dhfie_dku gZ ij^_f_l khhl_lkl\by lj_[h\Zgbyf klZg^
ID	Hkms_kl\eylv Z\lhjkdbc gZ^ahjomaZhj_Ze\bdZgkb_jncdlh j_r_gbc ijb ba]hlh\e_gbb b ^h\h^d_ hiulguo h ijh^mdpbb \hiehs_gb_f
HD	<u[bjZlv kihkh[u j_r_gby aZ^Zq ijhn_kkbhgZevghc ijbf_gbl_evgh d jZaebqguf dhgl_dklZf
HD	Bkihevah\Zhv\j_f_ggu_ kj^_kl\Z ihbkdZ ZgZeba bgnhjZpbb b bgnhjZpbhggu_ l_ogheh]bb ^ ijhn_kkbhgZevghc ^_yl_evghklb
HD	leZgbjh\Zlv b j_Zebah\u\Zlv kh[kl_ggh_ ijhn_kkbh ebqghklgh_ jZa\blb_ ij^_ijbgbZleegkdmx \ ijhn_k kn_j_ bkihevah\Zlv agZgby ih nbgZgkh\hc]jZfhlg kblmZpbyo
HD	Wnn_dlb\gh \aZbfh^_ckl\h\Zlv b jZ[hIZlv \ dhee_dl
HD	Hkms_kl\eylv mklgm x b ibkvf_ggm x]dkfrf^Zg_kdZgkx JN k mq_lhf hkh[_gghkl_c khpbZevgh]h b dmevlmjg
HD	ljhy\eylv]jZ^_Zgk_dhIbq_kdmx ihabpbx ^_fhgkljbjh hkhagZggh_ ih_^_gb_ gZ hkgh_ ljZ^bpbhgguo h[s p_gghkl_c
HD	Kh^_ckl\h\Zlv khojZg_gbx hdjm`Zxs_c kj^_u j_km agZgby h[baf_g_gbb debfZIZ ijbgpbiu [_j_`eb\h]h ijhba\h^kl\Z wnn_dlb\gh ^_ckl\h\Zlv \ qj_a\uqZcgu
HD	Bkihevah\Zlv kj^_kl\Z nbabq_kdhc dmevlmju ^ey k mdj_ie_gby a^hjh\vy \ ijhp_kk_ ijhn_kkbhgZevghc ih^^_j`Zgby g_h[oh^bfh]h mjh\gy nbabq_kdhc ih^]h
HD	Ihevah\Zlvky ijhn_kkbhgZevghc]hkhdmfZjgklZp_g_gbf_gZ bgklijZgghf yaudZo

3. KLJMDLMJ: B KH>?J@:GB? IJHN?KKBHG:EVGH=H FH>MEY
 3 L_fZlbg_kdbc ieZg ijhn_kfkh\mgeZy evgh]h

Dh^u ijhn_ kbhg. vguo dhfi_ _gpb	GZbf_gh\Zgby jZa^_ ijhn_kkbhgZevgh]h fh	<k_]h qZkh\ fZdk mq_[g gZ]jma ijZdlbd	H[t_f \j_f_gb h_^_gguc gZ hk f_^b kpbiebgZjgh]h dmjkZ dm					ljZdlbdZ	
			H[yaZI_evgZy Zm^b mq_[gZ]jmadZ h[mqZ			KZfhklhyl_ev jZ[hIZ h[mqZxs_]h		Mq_[g , qZkh	ljhba\h^kl\ _g ih ijhnbex ki_pbZevgh qZkh\ _keb ij_^mkf jZkkj_^hIhq ijZdlbdZ
			<k_]h qZ h\ eZ[hjZihjg jZ[hlu b ijZdlbq_kc aZgyIby qZkh\ dmjkh\ jZ[hIZ ijh_dl qZkh\ <k_]h qZkh\ dmjkh\ jZ[hIZ ijh_dl qZkh\ <k_]h qZkh\ dmjkh\ jZ[hIZ ijh_dl qZkh\ Mq_[g , qZkh						
1	2	3	4	5	6	7	8	9	10
ID3.1 ,3.2.	F>D3.01. Hkgh\u klZg^ZjlbaZpbb k_jlb f_ljheh]bb	162	115	42		47	-		108
ID ,3.2.	F>D3.02. Hkgh\u mijZ\e_ dZq_kl\hf	164	123	50		41		36	
	Mq_[gZy ijZdlbdZ	-							
	ljhba\h^kl\ ijhnbex ki_pbZevgh _keb ij_^mkf dhgp_gljbjh\ZggZy) ijZ	144						144	
	<k_]h	470	238	92		88		-	144

3.2Kh^_j`Zgb_ h[mq_gby ih ijhn_kkbhgZevghfm fh^mex

<p>GZbf_gh\Zgb_ jZa ijhn_kkbhgZevgh] fh^mey IF f_`^bkpbiebgZjguc dmjkh\ F>D b l_</p>	<p>Kh^_j`Zgb_ mq_[gh]h fZI_jbZeZ eZ[hjZlhjgu_ jZ] aZgylby kZfhklhyl_evghZjZbZky dmjkh\Zy jZ[h</p>	<p>H[t_f qZkh\</p>	<p>Dh^u dhfi_l pbc</p>
<p>1</p>	<p>2</p>	<p>3</p>	<p>4</p>
<p>JZa^_@_ogbq_kdh_ j_]mebjh\Zgb_</p>			
<p>F>D .01 Hkgh\u klZg^ZjlbaZpbb k_jlbnbdZpbb b f_ljheh]b</p>			
<p>L_fZ <_^_gb_ \ hkg klZg^ZjlbaZpbb k_jlbnbdZpbb f_ljheh]bb_ogbq_k j_]mebjh\Zgb_</p>	<p>Kh^_j`Zgb_ 1. H[_ki_g_gb_ dZq_kl\Z lh\Zjh\ b mkem] dZd hkg klZg^ZjlbaZpbb k_jlbnbdZpbb b f_ljheh]bb 2. L_ogbq_kdh_ aZdhgh^ZI_evkl\h dZd klZg^ZjlbaZ k_jlbnbdZpbb b f_ljheh]bb 3. lhgylb_ h l_ogbq_kdhf j_]mebjh\Zgbb b l_ogbq_ 4. KljmdlmjZ ihjy^hd jZajZ[hldb ijbf_g_gb_ l_ogb 5. =hkm^Zjkl_gguc dhgljhev b gZ^ahj aZ kh[ex^_g l_ogbq_kdbo j_]eZf_glh\ EZ[hjZlhjgu_ jZ[hlu ljZdlbq_kdb_ aZgylby 1. KhklZ\blv ko_fm ©ljhp_kku `bag_ggh]h pbdeZ 2. AZihegblv lZ[ebpm ©Hlebqbl_evgu_ ijbagZdb klZg^ZjlZ gZ ijh^mdpbx^a 3. GZibkZgb_ ©Lkko_ogbq_kdh_ j_]mebjh\Zgb_ dZc [_ahiZkghc ^ey q_eh_dZ ijh^mdpbba 4. KhklZ\e_gb_ l_jfbgheh]bq_kdh]h keh\Zjy ih j_]mebjh\Zgbb^a 5. ljh__^_gb_ kjZ\gbl_evgh]h ZgZebaZ klZg^Zjlh\ fZI_jbZeh\ 10 2 2 2 2 2 - 10 2 2 1 1 1</p>	<p>10 2 2 2 2 2 - 10 2 2 1 1 1</p>	<p>HD- HD ID - ID</p>

	6. Hij_^_e_gb_ dZq_kl\Z fZI_jbZeh\ ijhba\h^kl\Z kljhbl_ evguo	1	
	7. Hij_^_e_gb_ dZq_kl\Z fZI_jbZeh\ ijhba\h^kl\Z	1	
	8. :gZeba kljmdlmju b kh^_j`Zgby l_ogbq_kdbo j_	1	
	Kh^_j`Zgb_	21	
L_fZ Hkgh\u klZg^Zjlb	1 Bklhjby jZa\blby klZg^ZjlbaZpbb Ihgylb_ klZg^Zjlb	2	HD- HD ID - ID
	2 H[t_dlu klZg^ZjlbaZpbb P_eb b aZ^Zqb klZg^Zjlb	4	
	3 GhjfZlb\gu_ ^hdmf_glu ih klZg^ZjlbaZpbb KlZg^Zjlb	4	
	4 KbkI_ kZg^ZjlbaZpbb \ Jhkkbckdhc N_^_jZpbb	4	
	5 Wnn_dlb\ghklv jZ[hI ih klZg^ZjlbaZpbb	4	
	EZ[hjZlhjgu_ jZ[hlu	-	
	IjZdlbq_kdb_ aZgyIby	6	
	1. Ijh_^_gb_ ZgZebaZ jhkkbckdbo klZg^Zjlb \ h[e	1	
	2. Ijh_^_gb_ ZgZebaZ f_^mgZjh^guo klZg^Zjlb k_jbb ,62 \ h[e	1	
	3. Ijbh[j_l_gb_ gZ\udh\ jZ[hlu k ghjfZlb\gufb ^hdmf k =HKL -84.	1	
	4. Ijbh[j_l_gb_ gZ\udh\ jZ[hlu k ghjfZlb\gufb ^hdmf k =HKL -82.	1	
	5. :gZeba jhkkbckdbo klZg^Zjlb \ h[eZklb ^baZcgZ	1	
	6. :gZeba f_^mgZjh^guo klZg^Zjlb k_jbb ,62 \ h[e	1	
	L_fZ Hkgh\u k_jlbnbd	Kh^_j`Zgb_	
1 Bklhjby jZa\blby k_jlbnbdZpbb Ih^I_j`^_gb_ kh ijbgpbIu ih^I_j`^_gby khhl_Ikl\by	4		
2 H[yaZl_ evguc b ^h[jh\hevguc oZjZdl_j ih^I_j`^_ Nhjfu ih^I_j`^_gby khhl_Ikl\by	4		
3 >_deZjZpby h khhl_Ikl\bb AgZd khhl_Ikl\by H k_jlbnbdZpby bo hIebqbl_ evgu_ ijbagZdb	4		
4 MqZklgbb k_jlbGhZpbbGhZpbbGhZpbb [ZaZ k_jlbnbdZpby	4		
5 Ko_fu k_jlbnbdZpbb ijh^mdpbb Ihjy^hd ijh_^_g	3		

	ljZdlbq_kdh_ aZgylb_	12	
	1. <uiheg_gb_ baf_j_gbc k aZ^Zgghc h[s_c hlgkbl k_jlbnbdZpbb ijh^mdpbb	2	
	2. KJZ\gbl_ evguc ZgZeba f_`^mkZj^k^dguo kb_jlbnbdZp	2	
	3. <u[hj \b^h\ b ihjy^dZ ^h[jh\hevghc beb h[yaZl_e k_jlbnbdZpbb ^ey ihlj_[bl_ evkdbo lh\Zjh\	2	
	4. AZiheg_gb_ k_jlbnbdZlZ	1	
	5. KhklZ\blv ko_fm ©AZdhgu b ih^aZdhggu_ Zdlu d khhl_lkl\by \ JN ^a	1	
	6. AZihegblv lZ[ebpm ©Hlebqbl_ evgu_ ijbagZdb h[y k_jlbnbdZpbb ^a	1	
	7. AZihegblv [eZgd ©K_jlbnbdZl khhl_lkl\by ^a	1	
	8. JZkkqblZlv aZljZlu gZ k_jlbnbdZpbx ijh^mdpbb i bg^b\b^mZevguo aZ^Zgbc	1	
	9. <u[hj b h[hkgk\Z_gu_k_jlbnbdZpbb	1	
L_fZ Hkgh\u f_ljheh]	Kh^_j`Zgb_	26	
	1 Bklhjby jZa\blby f_ljheh]bb <b^u baf_j_gbc <b	6	HD- HD
	2 ljbgbbiu f_ljheh]bq_kdh]h h[_ki_q_gby \uimkdZ \u[hjZ kj_ baf_j_gbc	6	ID - ID
	3 lhjy^hd f_ljheh]bq_kdhc wdki_jlbau l_ogbq_kdh Zll_klZpbb kj_^kl\ baf_j_gbc	4	
	4 F_ljheh]bq_kdh_ h[_ki_q_gb_ bkiulZgbc ijh ih^l_j`^_gby khhl_lkl\by	4	
	5 =hkm^Zjkl_gguc f_ljheh]bq_kdh]bcgZ^ahj	6	
	EZ[hjZlhjgu_ jZ[hlu	-	
	ljZdlbq_kdb_ aZgylby	14	
	1. <uiheg_gb_ jZ[h] k bkihevah\Zgb_f baf_jbl_ evgu baf_j_gby ijb \uiheg_gbb ijh_dIZ	2	
	2. Bkihevah\Zgb_ f_lh^h\ \uqbke_gby ih]j_rghklb b kj_^kl\Z l_ogbq_kdbo baf_j_gbc Baf_j_gby k aZ hlgkbl_ evghc ih]j_rghklvx	2	

	3. Hp_gdZ b ih^I\ _j`^_gb_ khhl_lkl\by dhgdj_lghc ghjfZlb\ghc [Za_	2	
	4. Hp_gdZ b ih^I\ _j`^_gb_ khhl_lkl\by dhgdj_lghc ghjfZlb\ghc [Za_	2	
	5. KhklZ\ e_gb_ f_lh^bdb \uiheg_gby baf_j_gbc dhg _ebqbg_u	1	
	6. Bkihevah\Zgb_f baf_jbl_evguo ijb[hjh\ b f_lh^h\ \uiheg_gbb ijh_dIZ	1	
	7. Bkihevamy f_ljheh]bq_kdb_ f_lh^u baf_j_gby \uihegb ijhfure_ggh]h ^baZcgZ	1	
	8. JZkkqblZlv h[t_dI ijhfure_ggh]h ^baZcgZ bkihevamy ghjfZlb\gu_ ^Zggu_	1	
	9. <u[hj b ijb_f_g_gb_ kj_^kl\ baf_j_gbc b f_lh^bd \	1	
	10. Ih^I\ _j`^_gb_ khhl_lkl\by kj_^kl\ baf_j^gdbafgqjff	1	
	KZfhklhyl_evgy jZphalZqijlbb JZa^_eZ x Hnhjfe_gb_ hlq_IZ ih eZ[hjZlhjghc jZ[hl_ ih^]hlh\dZ fmevlbf_^bc x l_fm ©Fh^_eb kbkl_f mijZ\ e_gby dZq_kl\hf^a x ljhjZ[hldZ dhgki_dlh\ e_dpbc ih^]hlh\dZ j_n_ljZlb\ghf]hdfZl fjb]zheZ ihgylby b oZjZdl_jbklbdb Km[t_dlu f_ljheh]bb mjh\gb ih^mjh\gb x HibkZgb_ kh^_j`Zgby b kljmdl mju LJ LK gZ f_[_ev b]jmrdb beb ^ x ljh_^_gb_ wdki_jlba u ih^ebgghklb ^_deZjZpbb h khhl_lkl\bb x KhklZ\ e_gb_eZ^Z ©JZa\bIb_ klZg^ZjlbaZpbb \ Jhkkbb ih \j_f_ggu x HibkZgb_ dhgdj_lgh]h ba^_eby k ihabpbc ijb_f_g_gby f_lh^h\ klZg x Bamq_gb_ kljmdl mju nmgdpbc ^_yl_evghklb dhfbl_lh\ ©JhkkIZg^ hj]Zgbazp x Hij_^_e_gb_ijh^mhd pbb ih deZkkbneZ]Zghjm hg x KhklZ\ e_gb_ l_fZlbq_kdh]h djhkk\hj^Z ©<b^u klZg^Zjlh\ BKH FWD	47	
		36	
	ljhba\h^kl_ggZy ijZdlbdZ <b^u jZ[hl ljh_^_gb_ ZgZebaZ ^hdmf_gIZ h ih^I\ _j`^_gbb khhl_lkl\by	108	

ljh_^_gbu[hjZ kj^kl\ ^ey baf_j_gby fZkku h[t_fZ ebg_cgao jZa ihdjulbc gZ hkgh_ =hkm^Zjkl_ggh]h j_kljZkig^kl\ baf_j_gbc hg KhklZ\^_gb_ oZjZdl_jbklbdb f_lh^h\ klZg^ZjlbaZpbb j_Zebah\Zggug we_f_glh\ maeh\ ^_lZe_c f_eb KhklZ\^_gb_ l_ogbq_kdh]h hibkZgby h[jZapZ ijh^mdpbb h[hagZqb\ dhff_jq_kdh_ gZbf_gh\Zgb_ fZjdbjh\dm KhklZ\^_gb_ ©dhgn_dpbbhg mdZaZgb_ dZq_kl\Z pa^_eby KhklZ\^_gb_ i_j_qgy - dhfglijhlevgh]h b bkiulZI_evgh]h h[hjm^h\Zg ij^ijbylbb ^ey baf_j_gby dZq_kl\Z]hlh\hc ijh^mdpbb b ihemZ[jbc l_ogbq_kdbo b f_ljheh]bq_kdbo iZjZf_ljh\			
JZa^_eZjZdl_jbklbdZ kbkl_f f_g_^`f_glZ dZq_kl\Z			
F>D .02 Hkgh\u mijZ\^_gby dZq_kl\hf			
L_fZ DZq_kl\h dZd h mijZ\^_gby	Kh^_j`Zgb_	20	
	1. Kh\j_f_ggh_ ij^klZ\^_gb_ h[mijZ\^_gbb dZq_k	4	HD- HD ID - ID
	2. P_eb \g_^j_gby kbkl_fu mijZ\^_gby dZq_kl\hf hij_^_e_gby	4	
	3. G_h[oh^bfhklv \g_^j_gby Kbkl_fu f_g_^`f_glZ d dZq_kl\h ijhba\h^kl\Z jZ[hI	4	
	4. P_eb \g_^j_gby KFD kbkl_fZ f_g_^`f_glZ dZq_	4	
	5. F_`^mgZjh^gu_ b Jhkkbckdb_ ghjfZlb\gu_ Zdlu dZq_kl\hf Hkgh\gu_ ihgylby b hij_^_e_gby	4	
	EZ[hjZlhjgu_ jZ[hlu		
	IjZdlbq_kdb_ aZgyly	12	
	1. leZgbjh\Zgb_ p_e_c \ h[eZklb dZq_kl\Z	2	
	2. <g_^j_gb_ kbkl_fu mijZ\^_gby dZq_kl\hf	2	
	3. <uiheg_gb_ ihke_^h\ZI_evghklb ^_ckl\bc ijb jZa kbkl_ffZg_^`f_glZ dZq_kl\Z	2	
	4. Ijbf_g_gb_ klZg^Zjlh\ F_`^mgZjh^gu_ ghjfZlb\g klZg^ZjIZ 15090042000.	2	

	5. JZ[hIZ k ghjfZlb\gufb ^hdmf_gIZfb	1	
	6. Hij_^_e_gbf_gdeZlmju ihdZaZl_e_c dZq_kl\Z ijh^	1	
	7. Hp_gdZ mjh\gy dZq_kl\Z ijh^mdpbb	1	
	8. JZajZ[hldZ kbkl_f dZq_kl\Z gZ ij_^ijbylbb	1	
	Kh^_j`Zgb_	20	
	1 Lj_[h\Zgb_d ^hdmf_gIZpbb KMD dZq_kl\ZhfijZ\ hj]ZgbaZpbb	4	HD- HD ID - ID
	2 H[sb_ iheh`_gby jmdh\h^kl\h ih dZq_kl\m mijZ aZibkyfb	4	
	3 MijZ\e_gb_ j_kmjKZfb \ hj]ZgbaZpbyo	4	
	4 G_h[oh^bfhklv hij_^_e_gby b k\h_\j_f_ggh]h h[\g_^j_gby b ih^^_j`b\Zgby \ jZ[hq_f khklhygbb l dZq_kl\hf g_ij_ju\gh]h ih\ur_gby __ j_amevIZ	4	
	5 Q_eh_q_kdb_ j_kmjku	4	
	EZ[hjZlhjgu_ jZ[hlu		
	IjZdlbq_kdb_ aZgyby	12	
	1. HijZ[hldZ f_lh^bq_kdbo ih^oh^h\ d jZajZ[hld_ hk kbkl_fZ f_g_^`f_gIZ dZq_kl\Z	2	
	2. HijZ[hldZ h[_ki_q_gby j_kmjKZfb ^ey \g_^j_gby dZq_kl\hf	2	
	3. Hp_gdZ dhgdmj_glhkihkh[ghklb ijh^mdpbb	2	
	4. Hp_gdZ dhgdmj_glhkihkh[ghklb ij_^ijbylby	2	
	5. Bamq_gb_ klZlkbq_kdbo f_lh^h\ Zl\g\h	1	
	6. JZ[hIZ k ghjfZl\g\h [Zahc h[_ki_q_gby dZq_kl\ Zl\g\h	1	
	7. Hp_gdZ aZljZl gZ dZq_kl\h	1	
	8. Hij_^_e_gb_ wdghghfbq_kdh]h wnn_dIZ hl ih\ur_g	1	
L_fZ	Kh^_j`Zgb_	13	
Kbkl_fZ mijZ\e_ dZq_kl\hf \ hj]Zgk	1 :gZeba b dhgljhev jZ[hI ljh_^_gb_ kbkl_fZl q_ dhgljhevgu_lhqdb ZgZeba dhgljhey P_eb dh b^_glnbdizpby f jZajZ[hldZ ^_ckl\bc	2	HD- HD ID - ID
L_fZ DZq_kl\h mijZ\e_ jZ[hIZfb	2 MijZ\e_gb_ baf_g_gbyfb l_ogheh]bq_kdh]h ijhp_	2	

	3	B^_glbnbdZpby baf_g_gbc bo ZgZeba ijh_jdZ b ml_j`^_gby Hp_gdZ \ebygby	3	
	4	Baf_j_gb_ ZgZeba b dhgljhev dZq_kl\Z h[t_dlh	3	
	5	Hkms_kl\e_gb_ ijhp_kkZ fhgblhjb]Z ^eaf_j_gbc ^_fhgkljZpbb khhl_lkl\by h[t_dlZ mkIzgh\e_ggu g_ij_ju\gh]h ih\ur_gby j_amevlZlb\ghklb KMD k dZq_kl\hf	3	
		EZ[hjZlhjgu_ jZ[hlu		
		IjZdlbq_kdh_ aZgylb_	10	
	1.	Ijh_^_gb_ kbkl_fZlbq_kdh]h dhgljhey	2	
	2.	Hij_^_e_gb_ dhgljhevguo lhq_d hp_gdZ j_amevlZlh\ ijh[e_f	2	
	3.	Ijh_^_gb_ fhgblhjb]Z b ZgZebaZ baf_g_gbc ^e khhl_lkl\by h[t_dlZ\Zgbyf	1	
	4.	:gZeba ko_fu k_jlbnbdZpbb ijh^mdpbb ij^mkfh ijZ\beZfb \ hlgbr_gbb bo khhl_lkl\by j_dhf_g^Z	1	
	5.	JZajZ[hldZ ihke_^h\Zl_evghklb b kh^_j`Zgby wlZ	1	
	6.	Hp_gdZ mjh\gy dZq_kl\Z h^ghjh^ghc ijh^mdpbb	1	
	7.	Hp_gdZ mjh\gy dZq_kl\Z jZaghjh^ghc ijh^mdpbb	1	
	8.	Baf_j_gb_ dZq_kl\Z h[t_dlh\ Kh^_j`Zgb_	1	
L_fZ		Kh^_j`Zgb_	20	
Ijh[e_fu mijZ\e_gg dZq_kl\hf	1.	Ç !/(,<U # A@: & ! 8 -/ (U 5 & # X	4	HD- HD
	2.	Kihkh[u bkke_^h\Zgby \g_rgbmZdlhgjm\j_\e_ggbyasbo dZq_kl\h	4	ID - ID
	3.	Dhjj_dlbjmxsb_ b ij^mij`^Zxsb_ f_jhijbylby	4	
	4.	MkljZg_gb_ ijh[e_f	4	
	5.	Ij^hl\jZs_gb_ ih\lhj_gby ijh[e_f	4	
			EZ[hjZlhjgu_ jZ[hlu	-

	ljZdlbq_kdb_ aZgylby	16	
	1. ljh_^_gb_ ZgZebaZ \g_rgb oZbd \hjh\lj_ggbbyαsbo g. dZq_kl\h fhgblhjbq]	2	
	2. ljh_^_gb_ ^hdmf_glbjh\Zgghc ijhp_ ^mju ZgZeba ijbqbg	2	
	3. :gZeba [jZdZ	2	
	4. F_jhijbylby ih mkljZg_gbx b ij_ ^mij_`^_gbx [jZd aZ^Zgbx	2	
	5. F_jhijbylbyjijh^mij_`^_gbx [jZdZ ih bg^b\b^mZevg	2	
	6. ljbfg_gb_ kihkh]jkh\k kb]gdhgljhe	2	
	7. Hij_ ^_e_gb_ khhl_lkl\by ijh^mdpbb lj_[h\Zgbyf ihlj_[bl_e_c	2	
	8. :gZeba aZljZl ih dZq_kl\m	1	
	9. Bkihevah\Zgb_ f_lh^h\ dhgljhey dZq_kl\Z	1	
	KZfhklhyl_evgyijZ [baZnq_gbb JZa^_eZ	41	
	ljbfg_Zy l_fZlbdZ \g_Zm^blhjghc kZfhklhyl_evghc jZ[hlu lh^]hlh\dZ ^hdeZ^h\ j_n_jZlh\ ij_a_glZpbc lhebldb \ h[eZklb dZq_kl\Z gZ jZaebqguo mjh\gyo mijZ\e_gby =hkm^Zkl_ggh_ j_]mebjh\Zgq_kl\Z [eZklbbklhjby \hijhkZ b kh\j_f_ggh lhebldbZ \ h[eZklb dZq_kl\Z \ ?\jhkhxa_ Hkgh\gu_ iheh`_gby ^hdljbg]hkm^Zkl_gghc ihebldb dZq_kl\Z \ kh Dhgp_ipby gZpbhgZevghc ihebldb Jhkkb\bm\p\p\Zkl\m\deZn]kl\Z ijh Bklhjby gZpbhgZevguo ij_fbc dZq_kl\Z \ jZaguo kljZgZo KklZ\eyxs_b_hp_gdb \ khhl_lkl\bbkM^Wf\eg\Z ljh^m_jZ hp_gdb ij_l gZpbhgZevgm_x ij_fbx F ;he^j_b^Z Fh^_ev^_eh\h]h kh_jr_gkl\Z lj_fby ljZ\bl_evN\Zh]eZklb dZq_kl\Z fh^_ev b f_oZgbaf j_ZebaZpbb J_]bhgZevgu_ dhgdmjku JN \. h[eZklb dZq_kl\Z	36	
	ljbfg_Zy l_fZlbdZ \g_Zm^blhjghc kZfhklhyl_evghc jZ[hlu lh^]hlh\dZ ^hdeZ^h\ j_n_jZlh\ ij_a_glZpbc lhebldb \ h[eZklb dZq_kl\Z gZ jZaebqguo mjh\gyo mijZ\e_gby =hkm^Zkl_ggh_ j_]mebjh\Zgq_kl\Z [eZklbbklhjby \hijhkZ b kh\j_f_ggh lhebldbZ \ h[eZklb dZq_kl\Z \ ?\jhkhxa_ Hkgh\gu_ iheh`_gby ^hdljbg]hkm^Zkl_gghc ihebldb dZq_kl\Z \ kh Dhgp_ipby gZpbhgZevghc ihebldb Jhkkb\bm\p\p\Zkl\m\deZn]kl\Z ijh Bklhjby gZpbhgZevguo ij_fbc dZq_kl\Z \ jZaguo kljZgZo KklZ\eyxs_b_hp_gdb \ khhl_lkl\bbkM^Wf\eg\Z ljh^m_jZ hp_gdb ij_l gZpbhgZevgm_x ij_fbx F ;he^j_b^Z Fh^_ev^_eh\h]h kh_jr_gkl\Z lj_fby ljZ\bl_evN\Zh]eZklb dZq_kl\Z fh^_ev b f_oZgbaf j_ZebaZpbb J_]bhgZevgu_ dhgdmjku JN \. h[eZklb dZq_kl\Z	36	

<pre> :gZeba ghjfZlb\ghc ^hdmf_glZpbb HagZdhfe_gb_ k hj]ZgbaZpb_c l_ogbq_kdh]h dhgljhey HLD ij_^ijbylbb Bamq_gb_ ghjfZlb\ghc ^hdmf_glZpbb <uiheg_gb_ dhgljhey ijh^mdpbb gZ khhl_lkl\b_ iZjZf_ljZf dZq ghjfZlb\ghc ^hdmf_glZpbb HagZdhfe_gb_ k ijh_^_gby f_ljheh]bq_kdhc wdki_jlbau lh\Zjh\ l_j_qbke_gb_bkjf_↑k_gbc_ihevam_fuo \ hj]ZgbaZpbb :gZeba ^hdmf_g ih^l_j`^Zxsb_ bo khhl_lkl\b_ mkIZgh\e_gguf lj_[h\Zgbyf Bamq_gb_ b hp_gdZ kbkl_fu f_g_`f_glZ dZq_kl\Z \uihegy_fuo memqr_gbx dZq_kl\Z mkem] Bamq_gb_ bgkljmdpbc ih l_ogbd_ [_ahiZkghklb gZ jZ[hq_f f_kl_ b KhklZ\e_gb_ i_j_qgy f_jhijbylbc ih h[_ki_q_gbx b ijhnbeZdlbd_ [_a f_klZo b \ ijhba\h^kl_gghf ih^jZa^_e_gbb wBamq_gb_ b kjf_↑k_gbc_ihevam_fuo \ hj]ZgbaZpbb :gZeba ^hdmf_g ijhba\h^kl\Z JZajZ[hldZ f_jhijbylbc ih ijhnbeZdlbd_ aZ]jyag_gbc hdj Hkms_kl\e_gb_ Z\lhjkdh]h gZ^ahjZ aZ j_-ZedhagZpjm_dlhpknd`_kl jZaebqguo wIZiZo `bag_ggdphbpbdeZ ijh^m Hnhjfe_gb_ ^hdmf_glh\ ih blh]Zf Z\lhjkdhfm dhgljhex b gZ^ahjm i Nhhfmebjh\Zgb_ \u\h^h\ b ij_^eh`_gbc ih blh]Zf ijhoh`^_gby ij jmdh\h^bl_ey </pre>		
\k_]	470	

4. MKEH<BJ?:EBA:PBB IJHN?KGBEHVGH=HH>MEY

4.1. Lj_[h\Zgby d fbgbfZevghfm fZlogbZevghfm h[_ki_q_gbx
 J_ZebaZpby ijhn_kkbhgZevgh]h fh^mey ij_^iheZ]Z_l gZ
 klZg^ZjlbaZpbb b k_jlbnbdZpbb fZkl_jkdb_ \ khhl_lkl\bb hl
 H[hjm^h\Zgb_ mq_[gh]h dZ[bg_lZ b jZ[hqbo f_kl-dZ[b
 f_lh^bq_kdbo ihkh[bc dhfieihkh]Zqey^ghu^bbq_kdbc nhg^ ^h
 ij_^ijbylby beb ijhba\h^kl\Z \b^_hfZI_jbZe klheu klmevy
 J_ZebaZpby ijhn_kkbhgZevgh]h fh^mey ij_^iheZ]
 ijhba\h^kl_ggmx ijZdlb dm H[hjm^h\Zgb_ b l_ogheh]bq_kdh_
 ljh_lh
 >_fhgkljZpbhggu c wdjZg bgl_jZdlb\gZy ^hk dZ
 Dhfvxl_j
 ljh]jZffgh_ h[_ki_q_gb_ h[s_]h b ijhn_kkbhgZevgh]h g
 ljbgl_j
 Dhfie_dl mq_lhg b q_kdhc ^hdmf_glZpbb ih fh^mex
 Dhfie_dl mq_Z]egh^guo ihkh[bc ©F_kljZg^ZjlbaZpby
 ih^l_j`^_gb_ dZq_kl\Z^a
 H[jZapu klZg^Zjlh\
 H[jZapu ba^_ebc ^_lZe_c ijbkihh[e_gbc
 GZ]ey^gu_ ihkh[by we_dljhgggu_ ij_a_glZpbb k ijbf_j
 ijh]jZffu IF h[jZapu \uiheg_gby ijZdlbq_kdbo kZ[hf_b]Z]dp
 ij_^ijbylby
 Dhfie_dl ki_pbZebabjh\Zgguo `mjgZeh\
 7.2. BgnhjZpbhggh_ h[_ki_q_gb_ h[mq_gby

Hkgh\gu_ bklhqqgdbd
 1. Fbjhgh\ W = F_ljheh]by b l_ogbq_kdb_ baf_j_gby>L
 Fbjhgh\ W F= DGHJMK ± k
 2. Ydh\e_k I GhjfZlb\gu_ b hj]ZgbaZpbhggu_ hkgh\ u f
 h[_ki_q_gby >L_dkl@ mq ihkh]l[<kl[¥dM\el]± k
 3. =HKL J BKH Kbkf_Z f_g_^`f_glZ dZq_kl\Z Lj_[h\Zg
 4. Ebnbp B F KIZg^ZjlbaZpby f_ljheh]by l_b_ik^h]j`g_b d
 b ijZdlb dm f ^ey KIH B^2 F2_Eba b p i_j_jZ]^ B ^ha^ZI_evkl\h
 XjZcl ^2 k^2 (K_jby)ijhn_kkbhgZevgh_ h[jZa]BNZ9785-534
 005448. ^2 J_`bf ^hklm www.biblio-online.ru/book/973825A50CB4B77-8328-B9072D921312

>hihegbl_ev gZy ebl_jZlmjZ
 1. JZcdh\Z ? X KIZg^ZjlbaZpby f_ljheh]by l_b_ik^h]j`g_b d
 ^ey KIH ? X JZcdh]BZ^ZI_evkl\h XjZcl k^2 (K_jby
 l_jhn_kkbhgZevgh_ h[jZa]BNZ9785-534035391. ^2 J_`bf ^hklm iZ
 www.biblio-online.ru/book/8A6B0952748A-4C93AE23-F2C261817976.
 2. EmlnmeebgZ = = L_og h k h p b y Z e Z g u n q _ [g h _ i h k h [b _ ^ e y
 = = EmlnmeebgZ < : Kukh_ ^2 2B_ Ba^:[^ m leig b g F^hi

Ba^ZI_evkl\h XjZel k^2 (K_jbyjhn_kkbhgZevgh_h[jZah\Zgb_ 978-5-534-052060. ^ J_`bf^hklmiZ www.biblio-online.ru/book/F9552DC8327424G 88CE-1009D7DA0A23.

3. Fbgvdh W < Hp_gdZ dZq_kl\Z lh\Zjh\ b hkgh\u wdki_jlb mq_[gh_ ihkh[b_ ^ey KIH W < Fb^g Wdh_d:lJWg Flb_gkdlm\u_ ^Z ^ KZjZlh\ ljhnh[jZah\Zgb_ c. ^ 978-5-448801570. ^ J_`bf ^hklmiZ http://www.iprbookshop.ru/70616.html

4. >j_k\yggbdh\ : N ;Zah\u_ ihgyIby hij_^_e_gby b ijb_fu dZq_kl\Z fZI_jbZeh\ b ba^_ebc >Wemdljhgucihjk[rk[rjk >j_k\yggbdh\ FZdhDhBi> KhfhWlegZljhg l_dklh\u^_ DZagZguv DZaZgkdbc gZpbhgZevguc bkke_^h\ZI_evkdbc l_oghe183bq_k c. ^ 978-5-788217772. ^ J_`bf ^hklmiZ KWWS ZZZ LSUERRNVKRS

5. A_dmgh\ : = MidZqe_kgvm_q_[gbd b ijZdlbdfm ^ey KIH A_dmgh^ j_^ : = A^dfmgBaZZI_evkl\h XjZel k^2 (K_jby ljh_n_kkbhgZevgh_h[jZah\Zgb_ 978-5-991679725. ^ J_`bf ^hklmiZ www.biblio-online.ru/book/1F0F552AAF540EB-9D4F-E0B4D0AC37AA.

6. Dhgljhev aZ ba]hIh\^e_gb_f ba^_ebc \ ijhba\h^kl_ \ c Z\lhjkdhfm h[jZah\Zgb_ [k[lh^ fZI_jbZeh\ ^ey ki_pbZevghklb >baZcg ih hijZkeyf :f=M NKIH khk^;eZ]k_shjkrd_Zmjk d]hk -mg ± k J_`bf ^hklmiZ http://irbis.amursu.ru/DigitalLibrary/AmurSU_Edition/10256.pdf

7. l_jbh^bq_kdb_ ba^Zgby jhkkbckdb_ `mjgZeu ©>baZcg ©Bgl_jv_j ^baZcg^ ©L_hjby fh^u h^`^Z l_eh dmev kh\j_f_gghklv^algb^<_kBF;BI^ ©Kh\j_f_ggu_ l_g^_gpbb bah ^_dhjZlb\gh]h ijbdeZ^gh]h bkdmkkl\ b ^bjbZcegZ^g h©>b_kdchjZkl d h[jZah\Zgb_ ^ ©>baZcg Bkdmkkl\h ljh_fure_gghklv^ ©>ba. ©:jobl_dlmjZ b ^baZcg bkbhgjhy\Zlp_thj by

DZ^jh\h_ h[_ki_q_gb_ h[jZah\Zgb_ h[jZah\Zgb_ h[jZah\Zgb_ h
Lj_[h\Zgby d d\ZebnbdZpbb i_^Z]h]bq^Zpb]dq_bkd_b_g_jgZ^j
h[_ki_qb\Zxsbo hi]m_g^g^kpbiebgZjguf dmjkZf
gZebqb_ \ukr_]h ijhn_kkbhgZevgh]h h[jZah\Zgb_ bybekhhI\
ij_ih^Z\Z_fh]h fh^mey
Lj_[h\Zgby d d\ZebnbdZpbb i_^Z]h]bq_kdbo dZ^jh\ hkms_ ijZdlbdc gZebqb_ \ukr_]h ijhn_kkbhgZevgh]h h[jZah\Zgb_ ijhnbex ij_ih^Z\Z_fh]h fh^mey k h[yaZI_evghc klZ`bjh\d hj]ZbaZpbyo g_±]h`jZaZ \]h^Z

DHGLJHEV B HP?GADMEVL:LH< HK<HPJGHN?KKBHG:EVGH=H
 FH>MEY : IJHNB?KCK:EVGHC >?YL?ELVGHK

J_amevlZlu hk\h_ggu_ ijhn_kkbhgZev dhfi_l_gpbb	Hkgh\gu_ ihdZaZI_ eb hp_gdb	Nhjfu b f_lh^ dhgljhey b hp
ID3.1. Dhgljhebjh\Zlv ijhfure_ggm ijh^mdpbb ij^f_lgh ijhkljZgkl\ggu dhfie_dku gZ i khhl_lkl\by lj_[h\Zgbyf klZg^ZjlbaZpbb k_jlbnbdZpbb	Khhl_lkl\b_ ijhfure_gghc ij^f_lgh ijhkljZgkl\ggu dhfie_d lj_[h\Zgbyf klZg^ZjlbaZpbb b Jhkkbckdbf klZg^ZjlZf dZq_kl\Z	Wdki_jlgZy j_amevlZlh\ ^_yl_evghklb h[mqZxsbok ijhp_kk_ hk h[jZah\ZI_evgh ij]jZffu -gZ l_hj_lbq_k ijZdlbq_kdbo a ijb j_r_gb kblmZpbhg guZ ijb mqZklbb \ b]jZo ih^]hlh\ mqZklbb k_fbgZ ijb ih^]hlh j_n_jZlh\ ^hde l^ -ijb\uiheg_gbb gZ jZaebqguo mq_[ghc ijhba\h^kl\ggh ijZdlbdb - ijb ijh_^_ dhgljhevguo aZq_lwdaZf_gith f_^bkpbiebgZj dmjkZf wdaZf_ d\ZebnbdZpbh fh^mex
ID Hkms_ Z\lhjkdbc gZ^ j_ZebaZpb_c om^h`_kl_ggh dhgkljmdlhjkdb j_r_gbc ba]hlh\e_gbb ^h\h^d_ hiu h[jZaph\ ijhfure_gghc ijh^mdpbb \hiehs_gb_f	Khhl_lkl\b_j_ZebaZpbb om^h dhgkljmdlhjkdbo j_r_gbc ijb b ^h\h^d_ hiulguo h[jZaph\ ijhfure_gghc ijh^mdpbb \hiehs_gbb - ijhkljZgkl\gguo dhfie_dkh\ ijh_dlm l_ogbq_kdbf q_jl_`Zf	mqZklbb k_fbgZ ijb ih^]hlh j_n_jZlh\ ^hde l^ -ijb\uiheg_gbb gZ jZaebqguo mq_[ghc ijhba\h^kl\ggh ijZdlbdb - ijb ijh_^_ dhgljhevguo aZq_lwdaZf_gith f_^bkpbiebgZj dmjkZf wdaZf_ d\ZebnbdZpbh fh^mex

Nhjfu b f_lh^u dhgljheyjbamevgZlh\
 ijh_jylv m klm^_glh\ g_ lhevvdh knhjfbjh\Zgghklv ijhn_kkbhg
 jZa\blb_ h[sbo dhfi_l_gpbc b h[_ki_qb\Zxsbo bo mf_gbc

J_amevlZlu hk\h_ggu_ h[sb dhfi_l_gpbb	Hkgh\gu_ ihdZaZI_ eb j_amevlZIZ	Nhjfu b f_lh^ dhgljhey b hp
HD <u[bjZlv kih j_r_gby a ijhn_kkbhgZevghc ^_yl_evghklb ijb jZaebqguf dhgl_dklZ	gZebqb_ iheh`bl_evguo f_kl ijhba\h^kl\gghc ijZc Zdlb\ghklv bgpbZlb\gr ijhp_kk_ hk\ijhrg_bk ^_yl_evghklb -Zj]mf_glbjh\Zgghklv b ih h[tykg_gby kmsgghklb b kl agZqbfhklb [m^ms_c ijhn	Nhjfu dhgljhey h[mq_gby ^hfZrgb_ aZ^Zg ijh[e_fgh]h oZjZdl_jZ ijZdlbq_kdb_ a ih jZ[hl_ k bgnhjfZpb_c

		^hdmf_gIZfb ebl_Zjlmjhc ih^]hlh\dZ b aZsblZ bg^b\b^mZevgu]jmiih\uo aZ^Z ijh_dlgh]h oZj
HD Bkihevah\Zlv kh\j_f_ggu_ kj_^kl\ ZgZebaZ bgl_jij_lZ bgnhjZpbb bgnhjZpbhgggu_ l_ ^ey \uiheg_gby ijhn_kkbhgZevghc ^_yl_evghklb	- ljZ\bevguc \u[hj kihkh[h ijhn_kkbhgZevguo aZ^Zq - JZpbhgZevgZy hj kh[kl_gghc ^_yl_evghkl \uiheg_gby kZfhklhyl_ ijZdlbq_kdhc jZ[hlu ijb j_r_gb_f kblmZpbhgggu ijhoh`^_gb_ ijhba\h^ ijZdlbdb	Nhjfu hp_gdb j_amevlZlb\ghk h[mq_gby xgZdhibl_evgl kbkl_fZ [Zee hkgh\ dhlhjhc \uklZ\e blh]h\Zy hlf_ld xljZ^bpbhggZy kbkl_flf_ld \ [ZeeZo aZ dZ`^mx \uiheg_ jZ[hlm gZ hkg dhlhjuo \uklZ\ey_lky bl hlf_ldZ
HD leZgbjh\Zlv j_Zebah\u\Zlv kh ijhn_kkbhgZevgh_ b ebqghklgh_ jZ ij_^ijbgbfZl_evkdmx ^_yl_evghklv ijhn_kkbhgZevghc bkihevah\Zlv agZ nbgZgkh\hc]jZfhlg jZaebqguo `ba kblmZpbyo	- ijh\h^blv ^bZ]ghklb dm kb - hij_^eylv Z^_d\Zlgu_ j_r_gby \hagbdZxsbo ijh[- \uy\eylv \hafh`gu_ jbkdb - h[hkgh\u\Zlv ijbgylb_ j_	F_lh^u dhgljhe gZijZ\e_gu gZ ijh_jdm mf_gb mqZsboky hl[bjZlv b hp_ bklhjbq_kdb_ ijhp_kku y\e \uihegylv mkeh aZ^Zgbl\hg_ kd mjh\g_ k ij_^klZ\e_gb_f kh[kl_gghc iha ^_eZlv hkhagZ \u[hj kihkh[h\ ^_ckl\bc ba jZg__ ba_klg hkms_kl\eylv dhjj_dpbx bkijZ\e_gb_ k^_eZgguo hrb gh\hf mjh\g_ ij_^eZ]Z_fuo aZ^Zgbc jZ[hIZlv \]jmi ij_^klZ\eylv dZ lZd b ihabpb]jmiiu ijh_dlbjh\Zlv
HD Wnn_dlb\gh \aZbfh^_ckl\h\Zlv b dhee_dlb_ b dhfZg^	- hl[hj b bkihevah\Zgb_ ^ey wnn_dlb\gh]h \ ijhn_kkbhgZevguo ijhn_kkbhgZevgh]h b jZa\blby	F_lh^u dhgljhe gZijZ\e_gu gZ ijh_jdm mf_gb mqZsboky hl[bjZlv b hp_ bklhjbq_kdb_ ijhp_kku y\e \uihegylv mkeh aZ^Zgbl\hg_ kd mjh\g_ k ij_^klZ\e_gb_f kh[kl_gghc iha ^_eZlv hkhagZ \u[hj kihkh[h\ ^_ckl\bc ba jZg__ ba_klg hkms_kl\eylv dhjj_dpbx bkijZ\e_gb_ k^_eZgguo hrb gh\hf mjh\g_ ij_^eZ]Z_fuo aZ^Zgbc jZ[hIZlv \]jmi ij_^klZ\eylv dZ lZd b ihabpb]jmiiu ijh_dlbjh\Zlv
HD Hkms_kl\eylv ibkvf_ggmxdhffmg]hkm^Zjkl_ggf_yN mq_lhf hkh[_gghkl_c khpZevgh]h b dmev dhgl_dklZ	- ^_fhgkljZpby gZ\udh\ bk bgnhjZpbbhgfmgbZpbhg l_ogheh]bb \ ijhn_kk ^_yl_evghklb	F_lh^u dhgljhe gZijZ\e_gu gZ ijh_jdm mf_gb mqZsboky hl[bjZlv b hp_ bklhjbq_kdb_ ijhp_kku y\e \uihegylv mkeh aZ^Zgbl\hg_ kd mjh\g_ k ij_^klZ\e_gb_f kh[kl_gghc iha ^_eZlv hkhagZ \u[hj kihkh[h\ ^_ckl\bc ba jZg__ ba_klg hkms_kl\eylv dhjj_dpbx bkijZ\e_gb_ k^_eZgguo hrb gh\hf mjh\g_ ij_^eZ]Z_fuo aZ^Zgbc jZ[hIZlv \]jmi ij_^klZ\eylv dZ lZd b ihabpb]jmiiu ijh_dlbjh\Zlv
HD Ijhy\eylv]jZ`^ iZljbhqb_kdmx i ^_fhgkljbjh\Zlv hk ih_^_gb_ gZ ljZ^bpbhgguo h[s_q_eh_q_kdbo p_gghkl_c	- \aZbfh^_ckl\b_ k h[m ij_ih^Z\Zl_eyfb jmdh ijZdlbdb b deb_gIZfb \ oh	F_lh^u dhgljhe gZijZ\e_gu gZ ijh_jdm mf_gb mqZsboky hl[bjZlv b hp_ bklhjbq_kdb_ ijhp_kku y\e \uihegylv mkeh aZ^Zgbl\hg_ kd mjh\g_ k ij_^klZ\e_gb_f kh[kl_gghc iha ^_eZlv hkhagZ \u[hj kihkh[h\ ^_ckl\bc ba jZg__ ba_klg hkms_kl\eylv dhjj_dpbx bkijZ\e_gb_ k^_eZgguo hrb gh\hf mjh\g_ ij_^eZ]Z_fuo aZ^Zgbc jZ[hIZlv \]jmi ij_^klZ\eylv dZ lZd b ihabpb]jmiiu ijh_dlbjh\Zlv
HD Kh^_ckl\h\Z khozZg_gbx hdjm`Zx kj^u j_kmjkhk[_j_ ijbf_gylv agZgby h[debfZIZ ijbppbiu [_j_`eb\h]h ijhba\h^ wnn_db\gh ^_ckl\h\Z qj_a\uqZcguo kblmZ	- ijhy\e_gb_ hl_lkl_gghk ih^qbg_gguoamevlZl \uih aZ^Zgbc	F_lh^u dhgljhe gZijZ\e_gu gZ ijh_jdm mf_gb mqZsboky hl[bjZlv b hp_ bklhjbq_kdb_ ijhp_kku y\e \uihegylv mkeh aZ^Zgbl\hg_ kd mjh\g_ k ij_^klZ\e_gb_f kh[kl_gghc iha ^_eZlv hkhagZ \u[hj kihkh[h\ ^_ckl\bc ba jZg__ ba_klg hkms_kl\eylv dhjj_dpbx bkijZ\e_gb_ k^_eZgguo hrb gh\hf mjh\g_ ij_^eZ]Z_fuo aZ^Zgbc jZ[hIZlv \]jmi ij_^klZ\eylv dZ lZd b ihabpb]jmiiu ijh_dlbjh\Zlv
HD Bkihevah\Zlv nbabq_kdhc dmevl khozZg_gby b	- ieZgbjh\Zgb_ h[m ih\ur_gby ebqghklgh] d\ZebnbZpby	F_lh^u dhgljhe gZijZ\e_gu gZ ijh_jdm mf_gb mqZsboky hl[bjZlv b hp_ bklhjbq_kdb_ ijhp_kku y\e \uihegylv mkeh aZ^Zgbl\hg_ kd mjh\g_ k ij_^klZ\e_gb_f kh[kl_gghc iha ^_eZlv hkhagZ \u[hj kihkh[h\ ^_ckl\bc ba jZg__ ba_klg hkms_kl\eylv dhjj_dpbx bkijZ\e_gb_ k^_eZgguo hrb gh\hf mjh\g_ ij_^eZ]Z_fuo aZ^Zgbc jZ[hIZlv \]jmi ij_^klZ\eylv dZ lZd b ihabpb]jmiiu ijh_dlbjh\Zlv

mdj_ie_gby a^hjh\vy ijhn_kkbhgZevghc ^_yl_evghklb b ih^^_j`Zgby g_h[c mjh\gy nbab ih^]hlh\le_gghklb		kh[kl_ggmx]jZ`^Zgk dlmxbpb q_j_a ijh_dlbjh\Zgb_ bklhjbq_kdbo k F_lh^u hp_gdb j_amevlZlh\ h[r x fhgblhjbq] jhklZ l x kZfhklhyl_ev b gZ\udh\ ihem gh\h]h x agZgby dZ` h[mqZxsbfky x nhjfbjh\Zgb_ j_amevlZIZ blh]h\hc x Zll_klZpbb ^bkpbiebg_ g hkgH_ kmffu j_amevlZlh\ l_c dhgljhey
HD lhevah\Zlvky ijhn_kkbhgZevghc ^hdmf_glZpb_c gZ]hkm^Zjkl_gghf b bghkljZgghf yaudZo	- ijhy\le_gb_ bgl_j_kZ d b h[eZklb ijhn_kkb ^_yl_evghklb	

:>:IL:PB Y J:;HQ?C IJH=J:FFU IJB H;MQ?G B B EBP K
H=J:GBQ?GGUF B <HAFH@GHKLYFB A>HJH<VY

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ki_pbZebklh\ kj_^g_]h a\_gZ ih ki_pbZebaZpbb h\jZkeyb
h[_ki_q_gby ijZ\Z bg\Zeb^h\ b ebp k h]jZgbq_ggufb \haf
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kj_^g_]h ijhn_kkbhgZevgh]h h[jZah\Zgby mkeby\^chkIz`lZgby
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j_amevlZlh\ nhjfbjh\Zgby ijZdlbq_kdh]h hiulZ
H[hjm^h\ZgZ[bg_lZ ^_ehijhba\h^kl\Z b j_`bfZ^ey_dj_l
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HkgZs_gb_ dZ[bg_lZ ^_ehijhba\h^kl\Z b j_`bfZ k_dj_lgh
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h]jZgbq_ggufb \hafh`ghklyfb a^hjh\vy DZ[bg_lu ^he`gu
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h[mqZxsboky k jZaebqgufb \b^Zfb h]jZgbq_gbc a^hjh\vy
DZ[bg_l\ dhjhjf h[mqZxlky ebpZ k gZjmr_gb_f kemc
h[hjm^h\Zg jZ^bhdeZkkhf dhfivxl_jghc l_ogbdhc Zm^bhl_
we_dljhgghc ^hkdhc fmevklbfffhdcghc k
>ey keZ[h\b^ysbo h[mqZ$Z$bg_kij_ ^mkfZljb\Zxlky ijhkfhl
m^Ze_gguo h[t_dlh\ ijb ihfhsb \b^_hm\_ebqbl_e_c ^ey m
Bkihevah\Zgb_ ;jZce_\kdhc dhfivxl_jghc l_ogbdb we_dljh
g_\bamZevgh]h ^hklmiZbd lb_omh]fZpdbo kj_`^kj_\^izq_bfZnq_[ghc
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<ur_mdZaZggh_ hkgZs\eb\Z_lmkIzZgZ dZ[bg_l_ ijb gZ

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lbiZ gZjmr_gbc a^hjh\vy m h[mqZxs_]hky
  BgnhjfZpbhggh_ b f_lh^bq_kdh_ h[_ki_q_gb_ h[mqZxsbo
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jZ[hq_c ijh]jZffu ^he`_g [ulv ij_^klZ\e_g \ nhjfZo Z^
h]jZgbq_gbyf a^hjh\vy h[mqZxsboky bg\Zeb^h\ b ebp
\hafh`ghklyfb a^hjh\vy
  >ey ebp k gZjmr_gbyfb aj_gby g_ f_g__ h^gh]h \b^Z
- \ i_qZlghc nhjfg_guebrjbnlhf
- \ nhjf_ we_dljhggh]h ^hdmf_gIZ
- \ nhjf_ Zm^bhnZceZ
- \ i_qZlghc nhjf_ gZ yaud_ ;jZcey
  >ey ebp k gZjmr_gbyfb kemoZ
- \ i_qZlghc nhjf_
- \ nhjf_ we_dljhggh]h ^hdmf_gIZ
  >ey ebp k gZjmr_gbyfb]Zihjggh]h ZiiZjZIZ og\b^hg__ ^\m
- \ i_qZlghc nhjf_
- \ nhjf_ we_dljhggh]h ^hdmf_gIZ
- \ nhjf_ Zm^bhnZceZ
  >ey ebp k g_kpghq_kdbfb gZjmr_gbyfb jZkklijhckl\h
ki_dljZ gZjmr_gb_ ikbobq_kdh]h jZa\blby
- bkihevah\Zgb_ l_dklZ k beexkljZpbyfb
- fmevlbf_^bcgujbZzu
  <h \j_fy kZfhklhyl_evghc ih^]hlh\db h[mqZxsb_ky bg
h]jZgbq_ggufb \hafh`ghklyfb a^hjh\vy ^he`gu [ulv h[_ki_q_
Bgl_jg_l
  Nhjfu b f_lh^u dhgljhey b hp_gdb j_amevlZih\ h[mq_gby
  MdZaZggu_ \ i ijh]jZffu nhjdugb]feyh^jh\h^ylky k mq
h]jZgbq_gby a^hjh\vy h[mqZxsboky P_evx l_dms_]h dhgljhe
\uy\e_gb_ aZljm^g_gbc b hklZ\Zgby h[mqZxs_]hky k h]jZg
a^hjh\vy b \g_k_gb_ dhjj_dlb\h\ \ mq_[gmx ^_yl_evghklv
  NhjfZ ijhfmhqqhc Zll_klZpbb mklZgZ\eb\Z_lky k mq_lh
ikbohnbabq_kdbo hkh[_gghkl_c h[mqZxsboky bg\Zeb^h\ b
\hafh`ghklyfb a^hjh\vy mklgh ibkvf_ggh gZ [mfZ]_ ibkvf_
nhjf_ l_klbjh\Zgby b l i
  ljb ijh\_^_gibf`_mlhqqhc Zll_klZpbb h[mqZxs_fmky ij_
\j_fy gZ ih^]hlh\dm d hl\_lm m\_ebq_ggh_ g_ [he__ q_f \ lj
ih^]hlh\db d hl\_lm h[mqZxsbfky g_ bf_xsbf h]jZgbq_gbc \ k

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7 .BKL I?J?ML<?J@>?GBY :DLM:EB A;HBC IJH=J:FFU
>BKPBI EBGU

Mq_[guc]h	<g_k_ggu_ baf_	lj_ih^Z\ZI_ NBH	ljhlhdhe aZk_^Z dZn_^ju ^ZIZ g NBH aZ\ dZn_^j ih^ibkv

ljb_f_qZgb_

< lZ[ebp_ mdZau\Z_lky lhevdh oZjZdl_j baf_g_gbc gZijbf_j
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jZ[hq_c ijh]jZffu KZfh kh^_j`Zgb_ baf_g_gbc hnhjfehy_glkij
gmf_jZpbb