

Fbgbkl_jkl\h gZmdb b \ukr_]h h[jZah\Zgby Jhkkbckdhc
N_^_jZevgh_]hkm^Zjkl_ggh_ [x^`_lgh_ h[jZah\ZI_evgh
 \ukr_]h h[jZah\Zgby
©Kfhe_gkdbc]hkm^Zjkl_gguc mgb_jkbll_1^a

DZn_^jZ l_hjbb b gZ hZevgh]h h[jZah\Zgby

©MI_j`^Zxi
ljhj_dlhj ih mq_
f_lh^bq_kZ hcl_
BBBBBBBBBB Mklbf_
© a b x g 2022]

JZ[hqZy ijh]jZffZ ^bkpbiebg
; < Hkgh\u jmkkdh]h ijZ\hibkZgby

GZijZ\e_gb_ ih^]hlh\dbl_^Z]h]bq_kdh_ h[jZah\Zgb_ k ^\mfy
ih^]hlh\db
GZijZ\e_gghklv :iGZhpZevgh_ h[jZah\Zgb_ lvxihjkl\h \ h[jZah
NhjfZ h[mqaZhgZy
Dmjkl ±
K_f_kl§ ±
<k_]h aZq_lguo2_ qZghp ±
NhjfZ hlq_lghklh aZq_klj

ljh]jZffm jZajZ[hIZe
dZg^b^ZlnbehehgZm_kdbbp_gl <ZjgZ_\Z : ?

H^h[j_gZ gZ aZk_^Zgbb dZn_^ju
© a b x g y] ijhdhdhe <

AZ_^mxsbc dZn_^jhc<ZjgZ_\Z : ?

F_klh ^bkpbiebg_u \ kljmdl mj_ HI
 >bkpbiebgZ< ©Hkgh\ u jmkkdh]h ijZ\hibkZgby^ hlgkh
 nhjfbjm_fhc mqZklgbdZfb h[jZah\ZI_evguo hlg hr_gbc ;ehdZ
 HI

>ey hk\h_gby ^bkpbiebg_u jmkkdh]h ijZ\hibkZgby^ kihev an
 agZgby mf_gby gZ\udb knhjfbjh\Zgguk_e\ ^jhp_s_kk ^blapbje
 ©DmevlmjZ jh_kgh\ dhffmgbdZpbb \ ihebdmevlmjghc kj_^
 jmkkdbc yaud^a

Hk\h_gb_ ^bkpbiebg_u jmkkdh]h ijZ\hibkZgby^ h
 ijhoh^_gby ijhba\h^kl_gguo ijZdlbd b [m^ms_c mki_rgh
 ^_yl_evghklb \uimkdgbdh\

leZgbjm_fuamjevIZlu h[mq_gby ih ^bkpbiebg_

Dhfi_l_gpby	Bg^bdZlhju ^hklb`_gby
ID-1.Kihkh[_g ieZgbj	AgZlvkh^_j`Zgb_ hkggh\ggh\jZah\ZI
hkms_kl\eylv mq_[g	ijh]jZffu gZqZevgh]h h[s_]h h[jZa
\ khhl_lkl\bb k	ij^f_l hkggh\gu_ dZI_]hjbb
h[s_h[jZah\ZI_evghc	ebg]\bklbdb ebl_jZlmjh_^_gby
ijh]jZffhc gZqZevgh	h[s_kl\hagZgby fZI_fZlbdb
h[jZah\Zgby	Mf_ly_Zebah\u\Zlv we_f_glu h[
	ijh]jZffubkihevah\Zgbyagl_hjbb y
	ijZdlbd_
	<eZ^lv mf_gbyfb ih ieZgbjh\ hkms_kl\e_gbx mq_[gh]h ijhp_kkZ hkggh\ghc h[s_h[jZah\ZI_evghc gZqZevgh]h h[s_]h h[jZah\Zgby ebl_jZlmjh_^q_kdhc _kl_k h[s_kl_gghmqghc b fZI_fZ l_jfbgh_eh]

Kh^_j`Zgb_ ^bkpbiebg_u

L_fZ H[sb_ \hijhku ijZ\hibkZgby
 Ebg]\bklbdZ h[t_dl ij^f_l hkggh\ggh]jbbdZb ihev`_gb
 Ebg]\bklbq_kdZy l_jfbgmh]jZby b imgdlmZpbydZd jZa^_eu
 lbkvf_ggZy nhjfZ j_qb Hkh[_gghklb ibkvf_gghc dhffmgbdZp
 j_q_hc dmevlmj_u F_lh^u b ijb_fu kh_jr_gkl\h\Zgby k\h_c j
 ih\ur_gby wnn_dlb\ghklb h[s_gby \ ibkvevgaZggh\h[eZklb
 ijZ\hibkZgb ijhn_kkbhgZevghc ^_yl_evghklb mqbl_ey gZqZe
 nmgdpbhgZevghc jjZfhlgghklb ih jmkkdhfm yaudm

Yaud dZd kbkl_fZ q_lu]hgyrbjh\bjrch]jZffu F_klh hjnh]jZ
 fhjn_fgghc kljmdl mj_ kekh\ZQZklbklZ\dZ dhj_gvgl_kjmbdk
 hdhgqZgb_ ihklndk

L_fZ =eZkguk]eZkgu_ \ dhjg_ keh\Z
 ljZ\hibkZgb_ [_am^Zjguo]eZkguo \ dhjg_ keh\Z ijh_jy
 m^Zj_gbQf_j^h\Zgb_]eZkguo \ dhjgyo keh\ ljZ\hibkZgb_
 kh]eZkgu]h]b_aghkbbku]gZk>\hcg_u_kh]eZkgu_

L_fZ ljZ\hibkZgb_]eZkguo ihke_ rbiysbo b P
 ? H ihke_ rbiysbo ih^ m^Zj_gb_f \ dhjgyo keh\ =eZkgu
 ihke_ rbiysbo ih^ m^Zj_gb_f \ hdhgqZgbyo jZaguo qZkl_c j
 ih^ m^Zj_gb_f \ kmZagudkZqZkl_c j_qb H ? U ihke_ P
 hdhgqZgbyo

L_fZ ljZ\hibkZgb_ ijbkNZ\hld_[e_gtb_VT

IjBkIZ\db g_ baf_gyxs_b_ky gZ ibkVA ±K IjbjbIKZ Zd d bg ZJ?
 IJB± =eZkgu_ \HijbklZ\dZo ±:JAH K K ;md\ZBU ke_bikjIZ\hd
 JZa^_ebl_evgu_ T b V IjZ\hibkZgb_ V ^ey h[h
 ij_^r_kl\mxs_]h kh]eZkgh]h Mihlj_[e_gb_ V ^ey h[hagZq_gb
 L_fZ IjZ\hibkZgb_]eZ]heh\
 Kijy`_gb_]eZ]heh\ b ijZ\hibkZgb_ ebqguo]eZ]hevguo h
 kmnbnbdkh\]eZ]jZabkZgb_]eZ]heh\ ih_ebl_evgh]Z\g ZakeZhggb_c
 kmnbnbdkh\ ^_ckl\bl_evguo b IjZaZk ebvguo ijbqjZk h b kZgb_ G b
 \ ijbqZklbyo ijb eZ]ZI_evguo b gZj_qbyo
 L_fZ IjZ\hibkZgb_ G? k jZaebqgufb qZklyfb j_qb
 QZklbpZ G? k kms_kl\bl_evgufb ijb eZ]ZI_evgufb
 f_klhbfb_gbyfb]eZ]heZfb b gZj_qbyfb
 Kh^_j`Zgb_ hkgh\ghc h[s_h[jZah\ZI_evghc ijh]jZffu g
 h[jZah\ZgbyeZklb hjnh]jZnbb
 L_fZ AgZdb ij_ibgZgby \ ijhklhf hkeh`gg bbg hf ij_^
 Ij^eh`_gby k h^ghjh^gufb qe_gZfb H^ghjh^gu_ b g_h^
 H[h[sZxs_b_ keh\Z ijb h^ghjh^guo qe_gZo ij^eh`_gby
 h[hkh[e_ggufb qe_gZfb h[hkh[e_ggufb hij^_e_gbyfb
 h[klhyl_evkl\Zfb <h^gu_ keh\Z kb Zkkg_l Zhgkljmdpbb H[jZs_
 L_fZ AgZdb ij_ibgZgby \ keh`ghf ij^eh`_gbb
 Keh`ghkhqbg_ggh_ ij_Keh`ghh^qbg_ggh_ ij^eh`_gb_
 keh`gh_ ij^eh`_gb_ Fgh]hdhfihg_glgh_ keh`gh_ ij^eh`_gb
 Ijbgpbiubkihevah\Zgbya_gZjgbc yauihZk kdh]h ijZ\hibkZgby
 ijZdlbd_
 Kh^_j`Zgb_ hkgh\ghc h[s_h[jZah\ZI_evghc ijh]jZffu g
 h[jZah\ZgbyeZklb imgdlmZpbb Mih_g eZ]gmbh\Zegyx b hkms_kl
 mq_[gh]h ijhp_kkZ \ khhl_kl\bb k hkgh e g b c h [jsh]hZjZac
 gZqZevgh]h h[s_]h h[jZaZkZg bjmkkdh]h ijZ\hibkZgby

L_fZlbg_kdbc ieZg

i	JZa^_eu b l_fu	<k_] qZkh	Nhjfu aZgylbc				
			e_d b	k_fb ju	ijZdlb _kdb aZgyl	eZ[hj hjgu aZgyl	kZfklhyl _evgZ jZ[hIZ
1.	H[sb_ \hij ijZ\hibkZgby	9	1		2		6
2.	=eZkgu_ b kh]e dhjg_ keh\Z	9	1		2		6
3.	IjZ\hibkZgb_] ihke_ rbiysbo b	7					7
4.	IjZ\hibkZgb_ ijbklZ\hd Mihlj_[e_gb_ T	7					7
5.	IjZ\hibkZgb_]eZ] jZaebqgufb q	8		2			6
6.	IjZ\hibkZgb_ C jZaebqgufb q j_qb	8	2				6
7.	AgZdb ij_ibgZ ijhklhf hkeh`g ij^eh`_gbb	10	2				8
8.	AgZdb ij_ibgZ	10			2		8

	keh`ghf ij_^eh`						
	lh^]hjh\dZ d aZ	4					4
	BLH=	72	6		8		58

< b^hu[jZah\ZI_e^vghc_evghklb

AZgylby e_dpbggh]h lbiZ

E_dpby

H[sb_ \hijkku ijZ\hibkZgby

1. Ebg]\bklbdZn[t_dI ij_^f_l hkggh\ghj_bbdZiheh`_gby b kb l_jfbgh\
2. Hjn]jZnby b imgdlmZpbydZd jZa^_eu gZmdb h yaud_ l
3. Yaud dZd k k l u j Z o m j h \ g _ c
4. lhgylb_ hjnh]jZffu QZklb keh\Z

E_dpby2

=eZkgu_ b kh]eZkgu_ \ dhjg_ keh\Z

1. IjZ\hibkZgb_ [_am^Zjguo]eZkguo \ dhjg_ keh\Z
Z ijh_jy_fuo m^Zj_gb_f
[g_ ijh_jy_fuo m^Zj_gb_f
2. Q_j_^mxsb_ky]eZkgu_ \ dhjg_
3. =emob_ b a\hgdb_ kh]eZkgu_ \ dhj
4. G_ijhbaghkbfbu_ kh]eZkgu_
5. >\hcg_u_ kh]eZkgu_

E_dpby <

IjZ\hibkZgb_ G? k jZaebqgufb qZklyfb j_qb

1. QZklbpZ G? k kms_kl\bl_evufb ijbeZ]ZI_evufb b gZj_
2. QZklbpZ G? k]eZ]heZfb
3. Kh^_j`Zgb_ hkggh\ghc h[s_h[jZah\ZI_evghc ijh]jZffu g h[jZah\ZgbyeZklb hjnh]jZnbb

E_dpby <

AgZdb ij_ibgZgby \ ijhklhf hkeh`g_gghf ij_^eh`_gby

1. AgZdb ij_ibgZgby \ ij_^eh`_gbyo k h^ghjh^gufb qe_gZfb
2. Ij_^eh`_gby k h[hkh[e_ggufb h[hjh]Zfb
3. <\h^gu_ keh\Z b khq_lZgby
4. <klZ\gu_ dhgkljmdpbb
5. Ij_^eh`_gby k_lg]Zf

AZgylby k_fbgZjkdh]h lbiZ

IjZdlbq_kdh_ aZgylb_

L_fZH[sb_ \hijkku ijZ\hibkZgby

3

006

1. >Zcl_ hij_^_e_gb_ ebg]\bklbdb Hh[ZjZdl_ j]b_a^m_c]l_ hkggh\ dZ_]hjbb iheh`_gby b kbkl_fm l_jfbgh\
2. Hij_^_ebl_ hjnh]jZmxdlmZpbydZd jZa^_eu gZmdb h yaud_ l
3. >Zcl_ hij_^_e_gb_ ibkvf_gghc nhjfu j_qb HoZjZdl_j ibkvf_gghc dhffmgbdZpbb
4. Hij_^_ebl_ f_lh^u b ijb_fu kh_jr_gkl\h\Zgby j_q_\hc dm

- 5. DZdh\Z jhev agZgbc \ h[eZklb jmkkdh]h k pZhgZkZggb
 ^_yl_evghklb mqbl_ey gZqZevguo deZkkh\"
 - 6. HoZjZdl_jbamcl_ yaud dZd kbkl_fm q_luj_o mjh\g_c
 - 7. Qlh lZdh_ hjnh]jZffZ" lhq_fm \Z`gh mabl\Zlv __ f_klh \
 - 8. HoZjZdl_jbamcl_ qZklb keh\Z ijbklZ\dm dhj_gv kmn nb
 bgl_jnbdk
1. JZa[_jkle ^mxkleh\Z ih khklZhdh
 H[jZa_p

Hkgh\Z keh\Z			HdhgqZgb	
ijbklZ\ dZ	dhj_gv	kmn nbdk	a	
dhj_gv	keh\Z	ijbklZ\hdh	dhj_gv	keh\Z
<u^_eb	dhj_gv	keh\Z	ijbklZ\hdh	dhj_gv

- 2. <u^_eb dhj_gv \ keh\Z ijbklZ\hdh dhj_gv
 L_fZ =eZkgu_ b kh]eZkgu_ \ dhjg_ keh\Z
 - 1. JZkkdZ`bl_ h ijZ\hibkZgbb jeZkgu_ \ dhjg_ keh\Z
 Z ijh_jy_fuo m^Zj_gb_f
 [g_ ijh_jy_fuo m^Zj_gb_f
 - 2. DZdb_ kms_kl\mxl ijZ\beZ gZibkZgby jeZkguo \ q_j_^mx
 - 3. JZkkdZ`bjZ\hibkZgbb jemobo b a\hgdbo kh]eZkguo
 - 4. Qlh gm`gh agZlv h gZibkZgbb g_ijhbaghkbfo kh]eZkguo
 - 5. Knhjfmebjmcl_ ijZ\beZ gZibkZgby ^\hcguo kh]eZkguo
- <uihegbl_ mij Jha_glZev > W K[hjgbdy mijZ`g
 ^ey ihklmiZxsbo \ \mau F <ukrZy rdheZ

- AZ^Zgby ^ey kZfhklhyl_evghc jZ[hlu
 ih l_fljZ\hibkZgb_ jeZkguo ihke_ rbiysbo b P
 - 1. JZkkdZ`bl_ h ijZ\hibkZgbb ? H ihke_ rbiysbo ih^ m^Zj_
 - 2. Qlh ke_^m_l agZlv h ijZ\hibkZgbb jeZkguo ihke_ P \ dhj
 - 3. Knhjfmebjmcl_ ijZ\beZ gZibkZgby ? H ihke_ rbiysbo
 hdhgqZgbyo jZaguo qZkl_c j_qb
 - 4. JZkkdZ`bl_ h ijZ\hibkZgbb? H ihke_ rbiysbo ih^ m^Zj_
 - 5. DZh\ u ijZ\beZ gZibkZgby jeZkguo ihke_ P \ kmn nbdkZo
- <uihegbl_ mij Jha_glZev > W K[hjgbdy mijZ`g
 ^ey ihklmiZxsbo \ \mau F <ukrZy rdheZ

- AZ^Zgby ^ey kZfhklhyl_evghc jZ[hlu
 ih l_fljZ\hibkZgb_ ijbklZ\hd Mihlj_[e_gb_ T b V
- 1. GZah\bl_ ijbklZ\db g_ baf_gyxsby ky gZ ibkvf_

2. KnhjfmebjmcI_ ijZ\beZ gZibkZgby ijbklZ\hA +kdZgqb\Zxs
3. < dZdbo kemqZyo \ keh\Zo ibr_+kkZ \j dZlZbZeb IJ?
4. JZkkdZ`bl_ h gZibkZgbb [md\ U B ihke_ ijbklZ\hd
5. HoZjZdl_jbamcl_ mkeh\py gZibkZgby jZa^_ebl_evguo T
6. JZkkdZ`bl_ h ijZ\hibkZgbb V ^ey h[hagZq_gby fy]dh
kh]eZkgh]h
7. Dh]^Z V mihlj_[ey_lky ^ey h[hagZq_gby]jZffZlbq_kdbo

<uihegbl_ mij Jha_gIzev > W K[hjgbd mijZ`g
^ey ihklmiZxsbo \ \mau F <ukrZy rdheZ

IjZdlbq_kdh_ aZgyIb_ <
L_fZljZ\hibkZgb_]eZ]heh\

1. Ijb_^bl_ Ze]hjbIf hij_^_e_g]eZ]heh\gby
2. Qlh ke_^m_l agZlv h ijZ\hibkZgbb ebqguo hdhgqZgbc]e
3. KnhjfmebjmcI_ ijZ\beZ gZibkZgby kmnbdkh\]eZ]heh\
4. JZkkdZ`bl_ h ijZ\hibkZgbb]eZ]heh\ \ ih_ebl_evghf gZd
5. Qlh gm`gh agZlv h ijZ\hibkZgbb ^_ckl\bl_evguo ijbq
ijhr_^r_]h \j_f_gb
6. KnhjfmebjmcI_ ijZ\beZ gZibkZgby kljZ^ZI_evguo ijbq
ijhr_^r_]h \j_f_gb
7. JZkkdZ`bl_ h ijZ\hibkZgbb G b GG \
Z ijbqZklbyo
[ijbeZ]ZI_evguo h[jZah\Zgguo hI]eZ]heh\ b kms_kl\bl
\ gZj_qbyo

<uihegbl_ mij Jha_gIzev > W K[h
jmkkdhfm yaudm ^ey ihklmiZxsbo \ \mau F <ukrZy rdheZ

AZ^Zgby ^ey kZfhklhyl_evghc jZ[hlu
ih I_fIjZ\hibkZgb_ G? k jZaebqgufb qZklyfb j_qb

1. JZkkdZ`bl_ h ijZ\hibkZgbb qZklbpu G? k kms_kl\bl_evguo
2. Qlh ke_^m_l agZlv h gZibkZgbb G? k qbkebl_evguofb b f
3. KnhjfmebjmcI_ ijZ\beZ gZibkZgby qZklbpu G? k jZaebq
bgnbgblb\hf kijy]Z_fufb nhjfZfb ijbqZklb_f b ^__ijbqZk
4. JZkkdZ`bl_ h ijZ\hibkZgbb G? k gZj_qbyfb
5. HoZjZdl_jbamcl_ j`Zgb_ hkgh\ghc h[s_h[jZah\ZI_evghc
gZqZevg[h]h h[jZah\Zhg]eZklb hjnh]jZnbb

<uihegbl_ mij Jha_gIzev > W K[hjgbd m
yaudm ^ey ihklmiZxsbo \ \mau F <ukrZy rdheZ

AZ^Zgby ^ey kZfhklhyl_evghc jZ[hlu
ih I_fAgZdb ij_ibgZgby \ hIklhg_gghf ij_^eh`_gbb

1. JZkkdZ`bl_ h ihklZgh\ d_ agZdh\ ij_ibgZgby \ ij_^eh`_
qe_gZfb
2. DZd ke_^m_l jZa]jZgbqb\Zlv h^ghjh^gu_ b g_h^ghjh^gu_
3. DZdb_ kms_kl\mxl ijZ\beZ ihklZgh\db agZdjh\ jy^ibgZ
h^ghjh^guo qe_gh\ mihlj_[e_gh h[h[sZxs__ keh\h"

- 4. JZkkdZ`bl_ h agZdZo ij_ibgZgby \ ij_^eh`_gbyo hkeh` h[hjhIZfb Z h[hkh[e_ggufb hij_^_e_gbyfb [h[hkh[e_ggufb ^hiheg_gbyfb \ h[hkh[e_ggufb h[klhy|_evkl\Zfb
- 5. Qlh ke_^m\lha gZgdlmZpbhggghf hnhjfe_gbb \h^guo keh\
- 6. DZdh\u agZdb ij_ibgZgby \ ij_^eh`_gbyo k \klZ\gufb dhg
- 7. JZkkdZ`bl_ h agZdZo ij_ibgZgby ijb h[jZs_gbb

<uihegbl_ mij Jha_gIzev > W jk[hkjgb fmm yaudm ^ey ihklmiZxsbo \ \mau F <ukrZy rdheZ

IjZdlbq_kdh_ aZgyIb_ < L_fZA gZdb ij_ibgZgby \ keh`ghf ij_^eh`_gbb

- 1. JZkkdZ`bl_ h ihklZgh\d_ agZdh\ ij_ibgZgby \ keh`ghkqh
- 2. Qlh ke_^m_l agZdZo hjaibgZgby \ keh`ghih^qbg_ggghf ij_^
- 3. KnhjfmebjmcI_ ijZ\beZ ihklZgh\db agZdh\ ij_ibgZgby \ ij_^eh`_gbb
- 4. < q_f Ijm^ghklv imgdlmZpbhgggh]h hnhjfe_gby fgh]hdh ij_^eh`_gby" Qlh gm`gh agZlv h agZdZo ij_ibgZgby
- 5. JZkdjhcl_ ijb h h evah\Zgby agZgbc I_hjbb yaudZ jmkkgZ ijZdlb_d_
- 6. HoZjZdl_jbamm_ j`Zlg b_ hkgh\ghc h[s_h[jZah\ZI_evgh gZqZevgh]h h[s_]h h[hZaZVZlg bimgdlmZpb
- 7. >Zcl_ oZjZdl_jbkIbdm mfi h b h b h \ Z y b x b hkms_kI\ e m q_[gh]h ijhp_kkZ \ k h h h \ G H b b k[eZkIb jmkkdh]h ijZ\h

<uihegbl_ mij Jha_gIzev > W K[hjgbd m yaudm ^ey ihklmiZxsbo \ k h y a u d f e z < u

Djbl_jbb hp_gb\Zgby j_amevIzIh\ hk\h_gby ^bkpbieb Hp_ghqgu_ kj_^kl\Z b djbl_jbb hp_gb\Zgby ^ey I_dm Hkgh\ghc nhjfhc I_dms_]h dhg]h hejh y gay_x I j Z] h l u

Ijbf_ju ijh_jhqguo jZ[hI

Complex musical notation system with vertical stems and Cyrillic characters. Includes the text: < ijb_^ gguo keh\Zd \klZ\vl_ b h[tykgoI_ hjnh]jZffu

б б би збн ж д б - б дз бз бзд И ж а
 иб К же а б д д з б зд здз ж
 д бз здз д бз в ба зд в юд б гд а иб
 д б би ж и д д зд д б би б
 б дг д б а б д бз и д б д
 ЖЛ юа

Djbl_jbb hp_gb\Zgby ijh_jhgghc jZ[hlu
 ©AZql_guRIZ\ey_lky klm^_glm ^himklb\r_fm g_ [he__
 \uiheg_gbb ijh_jhgghc jZ[hlu
 ©G aZql_guRIZ\ey_lky klm^_glm ^himklb\r_fm [he__ i
 \uiheg_gbb ijh_jhgghc jZ[hlu

6.2 Hp_ghggu_kj^kl\Z b djbl_jbb hp_gb\Zgby ^ey ijhf_ml
 Ijhf_mlhgqZy Zll_klZpby ijh\h^biky \nhjf_aZq_lZ Ijb
 mqblu\Zxlky j_amevlZllum^ZghZu gZ ijZdlbq_kdbwihazggyo b
 ijh_jhgguo jZ[hI bhazZ^ZgbydIZglZ

Ijbf_j aZq_lgh]h aZ^Zgby
 > bdIZgl
 зб и а бз бж
 жг и б би бб ж и зб б б би б ж дз д г з д ж
 ззб Ки в б б би з и и д ж б ж в и зб и а
 И д и з б з д з з г д дз д ж зб и д б и
 и г б а з д и з д б з д и ж зб и д б и
 ж и б бв ю Л и и б дз д д и ж и ж и
 в б д иб з и зб и гб з Ки г и б б д д и ж и ж и
 б ба ю зб з б б и з д в б д и б збб б ж
 и з д иб б д д и д д дг и и д и б в б
 д и гб зб б б Л з з жг д д жг и б и жз ж жж
 д б д бз и б д ж д и д ж и ж ю б д з д
 и д ю д д г з д ю ж гба и жз ж д б и и з б и
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 д д и б Л Д бз бж да бб д д и а
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 и д и ж иб дг а з д ж д(д б д дб д и б ж д
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Лб ж (. 2 з

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>bdlZg\hp_gb\kZy ih±Zeevghc kbkl_f_ Hp_gdZ \uklZ\ey_
^hims_ggub[hhd Dhebq_kl\h hjnh]jZnbq_kdbo hrb[hhd hlf_qZ
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5/5

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2. Y\gu_ hibkdb g_ kqblZxlky hjnh]jZnbq_kdbfb hrb[dZfb
3. >_ g_]jm[uo hrb[db kqblZxlky aZ h^gm G_]jm[ufb hrb[ob
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±ijhimkd h^gh]h ba ^\hcguo agZdh\
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4. lh\lhjyxsby_ky hrb[db kqblZxlky aZ h^gm
5. <k_ g_ijh_jy_fu_ hjnh]jZffu \ h^ghf keh\ kqblZxlky aZ
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6± [Zeeh\ohjhrh^a
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Djbl_jbb hp_gb\Zgby klm^_glh\ gZ aZq_l_
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aZgylbyo ihemqb\r_fm aZ gbo hp_gdm ©g_m^h\le_\lhjbl_evgh^a
agZgb_ l_hjbb bamqZ_fhc ^bkpbiebgu \eZ^_gb_ __ l_jfbg
l_hj_lbq_kdb_ agZgby gZ ijZdlbd_ ihemqb\r_fm hp_gdm ©a
jZ[hlu b \uihegb\Z_qfmgta_ aZ^Zgb_ gZ hp_gdm ©hlebbqgh^a
©m^h\le_\lhjbl_evgh^a

©G_ aZql_g\hRlZ\ey_lky klm^_glm iehoh jZ[hijZ\rlbfom_kgZob
aZgylbyo j_]meyjgh ihemqb\r_fm aZ gbo g_m^h\le_\lhjbl_evgh^a
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l_hj_lbq_kdb_ agZgby gZ ijZdlbd_ ihemqb\r_fm hp_gdm ©g
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7. l_j_q_gv hkgh\ghc b ^hihegbl_evghc mq_[ghc ebl_j
Hkgh\gZy ebl_jZlmjZ

1. Lblh\ :HJmkkdbc yaud b dmevlmjZ j_qb lJZdlbdmf ih h
ihkh[b_ ^ey \hahbblh? 2- ba^ bkij^2 b^hhd\Z Ba^ZI_evkl\h X
2020. 2 129 k^2 <ukr__ h[jZahAZ ISBN 978-5-534-07864-0. 2 L_dkl
we_dljhguc W;K X?ZURL: <http://cra.ru/bcode/453866>.

7.2. >hihegbl_ evgZy ebl_jZlmjZ

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2. =jZgbd = = ;hg^Zj_gdh K FK_Djh_gp_ivZgdEm;Z99bb F
3. B\Zgh\Z <hNj_k_ggZy jmkkdZy hj,r991jZnby F
4. Ev\h\ F J\Hj_kZgb_ \ gZqZevguo deZkkZo ifkh[b_ ^ey r
5. IZgh\ F < -B\kb_hgZ ohjhrZy JZkk dhZja H]jjZnkbd
6. IZghF < AZgbfZI_ evgZy FjnhjjZnby
7. Jha_glZev >jZ\hqqkdbd ih jmkkdhfm yaudm HjnhjjZnb
HjnhjjZnbq_kdbc keh\Zjv F

Keh\Zjb b kijZ\hqqgdbd

1. ;mdqb;gZ HjnhjjZnbq_kdbc keh\Zjv jmkkdh^h eyaguhd'ZQ_Kje
^_nbF"
2. IZgh\ ; L L_dmq_\ : < Rdhev-gj_rh]jjZrf bZl_bkdhc keh
jmkdhjh yaud1. F
3. Jha_glZev > W ljhikkgZy "b eH uk lkehijZ\y qg b d Z .
4. Keh\v_\ G < Jmkkdh_ ijZ\hibkZgb_ HjnhjjZnbj_q_kdb
dhff_glZjbc ijZk b e Z
5. MrZdh\ > G Djxqdh\ K ? HjnhjjZnbq_e_kdbm q Zseho\Zj kj_
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1. =hem[B ; K[hjgbd mijZk b d g b chjh]jZnbb b im,200mZpbb
2. Jha_glZev > W K[hjgbd mijZ`g_gbc ih jmkksdof m \yaaud m
F, 2001.
3. K_e_ag_\Z E ; Jmkkdh_A ZZZqbbkZ e phjblfu mijZ02g_gby

I_j_q_gv j_kmjkh\ bgnhj_eZ_pbfhgZpba hggghc k_lb ©Bgl_jg_

1. [JhkkbckdZy = hkm^Zjkl\ g bty://www.lib.ru/dz](http://www.lib.ru/dz)
2. GZmqgZy we_dljhg <http://lib.ru/dz>
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<http://www.lib.pu.ru/>
5. Mgb_jkbllkdZy bgnhjZpbhggZ <http://bksrussia.m@ju> jhkkby^a
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7. www.gramma.ru DmevlmjZ ibkvf_gghc j_qb
8. www.auditorium.ru BgnhjZpbhggZah\ZI_ evguc ihjIze

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rl fmevlbf_^bZijViewSbji; rl gh menmod rl dhe00813-C
± dhfi
2. I_j_q_gv ebp_gabhgggh]h ijhjjZffgOC\Windows 7, MSOffice
2007 (Microsoft Open License) Ebp_g20993 Ebp_gaby .

9. IjhjjZffgh_ h[_ki_q_gb_

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DZki_jkdh]h^a eBP-16115\33553-1-6231.
Microsoft Open License, ebp_g448 \khklZ_

1. Microsoft Windows Professional 7 Russian;
2. Microsoft Office 2010 Russian.

