

**PrP»CЦ PjPμPrPëC‡PSPsPiPs P·P°CÍC,PsCÍCÍPIP°PSPSCЦ
P»C-PεP°CЃCÍCЃPεPsPiPs P·P°CÍPsP±CÍ**

$P\check{Y}P\epsilon P\gg P^{\circ}P\Gamma$:

1 Pi PjP°P·C- PjC-ĆĀC,PëC,CHb: P»PµPIPsPjPµPSC,PsP»Ćř бҢ" 180 PjPi, PeP°PjC,,PsCҢPë бҢ" 100 PjPi, PsP»C-C— PµPIPeP°P»C-PiC,PsPIPsC— бҢ" 100 PjPi, PsP»C-C— PiPIPsP·PrPëPePsPIPsC— бҢ" 10 PjPi;

$$\text{P}^{\circ}\text{-C-PeP}^{\circ}\text{CH}_2\text{CH}_2\text{CH}_2\text{PeP}^{\circ}\text{ C}_{60}\text{PsCH}_2\text{CH}_2\text{P}^{\circ}. \text{P}_{\text{H}}\text{P}^{\circ}\text{P}^{\circ}\cdot\text{CH}_2.$$

*PħCÍPSPsPIPS-C,,C-P·PěPePs-C...C-PjC-C†PSC- PIP»P°CÍC,PěPIPsCÍC,C-: PjP°P·CH
P±C-P»PsPiPs P°P±Ps P¶PsPIC,CrPIP°C,PsPiPs PePsP»CHPsCĤCr, P·C...P°CĤP°PeC,PμCĤPSPěPj
P·P°PİP°C...PsPj. PħP°P·CH P·P° P·PsPIPS-C€PSC-Pj PIPěPiP»C¶PřPsPj PjP°C” P±CÍC,Pě
PsPrPSPsCĤC-PrPSPsCĤ.*

P_αP°C_HPjP°PePsC,PμC_HP°PiPμPIC,PëC±PSP° PiC_HCíPiP°.

[illegible]

$P\alpha P^{\circ}C\bar{H}PjP^{\circ}PePsP\gg PsPiC-C\neq PSC-PIP\gg P^{\circ}C\bar{I}C,P\ddot{e}PIPsC\bar{I}C,C-.$

$$P\propto P^{\circ}C\overline{H}PjP^{\circ}P\epsilon P_S P_{\tau}P\ddot{e}PSP^{\circ}PjC-P\epsilon P^{\circ}.$$

P₄C₇P₆ P·PsPIPSC-C₆PSCH₃PsPjC₇ P·P°C₇C, PsC₇C₇PIP°PSPSC- P₆C₇P₆P₆P°C₇P°C,
P₆PsPrC₇P°P·PSC₇C" PSP₆C₇PIPsPIC- P·P°PeC-PSC₇P₆PSPSC₇ C₆PeC-C₇P₆,

C‡PëPSPëC,CH PIC-PrPIPsP»C-PeP°CḤC‡Cṛ, PjC-ClC†PμPICṛ
P·PSPμP±PsP»CḤPIP°P»CHḤPSCṛ, PīCḤPsC,PëP·P°PīP°P»CHḤPSCṛ C,P°
PīCḤPsC,PëPjC-PeCḤPsP±PSCṛ PrC-CḤ PīCḤPë P·P°PīP°P»PμPSPSC-, P±PsP»CḤ PI
ClCṛPīP»PsP±P°C... C,P° PjḄḤ™ CḤP·P°C....

PṛP°CḤPjP°PePsPeC-PSPμC,PëPeP°.

PḵPμ PIPëPIC‡P°P»P°ClCḤ.

PḤP»C-PSC-C‡PSC- C...P°CḤP°PeC,PμCḤPëClC,PëPePë.

PμPsPeP°P·P°PSPSCḤ.

PŸPëPjPīC,PsPjP°C,PëC‡PSPμ P»C-PeCṛPIP°PSPSCḤ PSPμPICḤP°P»PiC-C—, PjC-P°P»PiC-C—,
P°CḤC,CḤPëC,Cṛ, CḤPμPIPjP°C,PëP·PjCṛ, C-CḤC-P°ClCṛ.

PμCḤPsC,PëPīPsPeP°P·P°PSPSCḤ.

PμC-PrPIPëC‰PμPSP° C‡CṛC,P»PëPIC-ClC,CH PrPs P±CṛPrCḤ-CḤPePsPiPs P·
PePsPjPīPsPSPμPSC,C-PI PīCḤPμPīP°CḤP°C,Cṛ. P P°PSPë Cṛ PjC-ClC†C- PSP°PSPμClPμPSPSCḤ
PīCḤPμPīP°CḤP°C,Cṛ, PrPμCḤPjP°C,PëC,, PePsPeP»CḤCḤ, PμPeP·PμPjP°,
ClC...PëP»CHḤPSC-ClC,CH PrPs P±CḤPsPSC...PsClPīP°P·PjCṛ P°P±Ps ClCṛPrPsPj.

PḤClPsP±P»PëPIPsClC,C- P·P°ClC,PsClCḡPIP°PSPSCḤ.

PḵPμ PSP°PSPsClPëC,Pë PSP° ClP»PëP·PsPIC- PsP±PsP»PsPSPePë! PḵPμ
PrPsPīCṛClPëP°C,Pë PīPsC,CḤP°PīP»CḤPSPSCḤ PīCḤPμPīP°CḤP°C,Cṛ PI PsC‡C-. PJ
CḤP°P·C- PIPëPīP°PrPePsIPsPiPs PīPsC,CḤP°PīP»CḤPSPSCḤ PjP°P·C- PI PsC‡C-
PSPμPsP±C...C-PrPSPs PīCḤPsPjPëC,Pë C—C... PIPsPrPsCḤ C- PSPμPiP°PNḡPSPs
P·PIPμCḤPSCṛC,PëClCḤ PrPs P»C-PeP°CḤCḤ.

PμCḤPë PIC,PëCḤP°PSPSC- Cṛ CḤPeC-CḤCṛ PIPëPeP»PëPeP°C” PIC-PrC‡CṛC,C,CḤ
C...PsP»PsPrCṛ, PīPsC,C-Pj C,PμPīP»PsC,Pë, ClP»P°P±PePsPiPs PīPμC‡C-PSPSCḤ C,P°
PīPsPePsP»CḤPIP°PSPSCḤ.

PḵPμ ClP»C-Pr PSP°PSPsClPëC,Pë PjP°P·CH PSP° PīPsCḤPePsPrP¶PμPSCṛ CḤPeC-CḤCṛ.

PμC-ClP»CḤ PePsP¶PSPsPiPs P·P°ClC,PsClCṛPIP°PSPSCḤ PjP°P·C- CḤPμC,PμP»CHḤPSPs
PjPëC,Pë CḤCṛPePë.

PμCḤPë ClPëP»CHḤPSPsPjCṛ PīPsPrCḤP°P·PSPμPSPSC- CḤPeC-CḤPë PIC,PëCḤP°PSPSCḤ
ClP»C-Pr PīCḤPëPīPëPSPëC,Pë.

***P’P·P°C”PjPsPrC-CḤ P· C-PSCḤPëPjPë P»C-PeP°CḤClCḤPePëPjPë P·P°ClPsP±P°PjPë C,P°
C-PSCḤC- PIPëPrPë PIP·P°C”PjPsPrC-PNḡ.***

РќРµPIC-PrPsPjP°. **B**

PhCÍPsP±P»PëPIPsCÍC,C- P·P°CÍC,PsCÍCзPIP°PSPSCII.

P—P°CÍC,PsCÍCзPIP°PSPSCII Cз PiPµCТC-PsPr PIP°PiC-C,PSPsCÍC,C- P°P±Ps
PiPsPrCзPIP°PSPSCII PiCТCзPrPrCТ.

P'P°PiC-C,PSPëPj C,P° P¶C-PSPeP°Pj Cí PiPµCТC-PsPr PiPsPrCíPIP°PSPSCII PiCТCíPrPrCТ
P»C-PeCíPIP°PSPSCII PiCТPëP·PSP°C±P°C" P»C-PeP°CТ Cí CТP°P·C-, PePsP»Pë
PiPµCТPµPrP±P°C±CíPIP°PSP° PePsCТPëCÍC,CH PrP»CII P¶C-PSPePë PiPµCТPµPIPëC%oCíC"
PiPsC,PµPSC†C-PNëPSPëPNë CТPëP·PëPe PrP»CII PiP»PsPrP°/PrPëC,PëPSPë.

P—PrP°C,PSC-CÍC,CH PIPiP»PëPIP°C,Pë PSP° CëPIPëPrPeC-CÍC,CH CТPµP°PeC†C-C— PiCТPë
PePµCТCзPIP°PSPSC- P°PIC,PsC,CТP°PSCÍPiPsCТC,PsPj P°P±Ps C-PSCëPëPjPë
PjPµC...P°PSC-P·PjP°PjPë.

РќРµ PIPiP»PëPIP°C".

PŸPiPsCÍC-P± P·P°CÍC,PsCÍCзPIP°PSPSCII C,P° PrPsP·Pë.

PЊP°P·CH P·P°CÍC,PsCÍPsPICíPIP°C,Pë P·PsPIPSC-CëPSCЊPs PrP»CII
CТPsP·C,PëCТP°PSPSCII.

2БТ"3 Pi PiCТPµPiP°CТP°C,Cí P»PµPiPePs PIC,PëCТP°C,Pë PrPs PiPsPIPSPsPiPs
PICíPjPsPeC,CíPIP°PSPSCII PI CíCТP°P¶PµPSCí PrC-P»CII PSPeCí C,C-P»P° C,P°
PiCТPëP»PµPiP»Cí PrC-P»CII PSPeCí CëPeC-CТPë 2БТ"3 CТP°P·Pë PSP° PrPsP±Cí.

PЊCТP°C,PSC-CÍC,CH P·P°CÍC,PsCÍCíPIP°PSPSCII C- C,CТPëPIP°P»C-CÍC,CH PeCíCТCíCí
P»C-PeCíPIP°PSPSCII PIPëP·PSP°C±P°C" P»C-PeP°CТ P·P°P»PµP¶PSPs PIC-Pr
C...P°CТP°PeC,PµCТCí P·P°C...PIPsCТCТPIP°PSPSCII, PNëPsPiPs PIPëCТP°P¶PµPSPsCÍC,C-,
PrPsCÍCII PiPSCíC,PsPiPs PµC,,PµPeC,Cí, PIPëPrCí P±P°P·PëCÍPSPsC— C,PµCТP°PiC-C—.

P"°C-C,Pë.

P"°C-C,CII Pj PIC-PePsPj PrPs 12 CТPsPeC-PI PSPµ CТPµPePsPjPµPSPPrCíC"C,CHCÍCII
P·P°CÍC,PsCÍPsPICíPIP°C,Pë PiCТPµPiP°CТP°C,.

PµPµCТPµPrPsP·CзPIP°PSPSCII.

P'C-PrC†CíC,C,CII CÍPëP»CH PSPsPiPs C,PµPiP»P° C,P° PiPµC†C-PSPSCII Cí PjC-CÍC†C-
PSP°PSPµCÍPµPSPSCII PjP°P·C- C†Pë PiPsCÍPëP»PµPSPSCII PiCТPsCII PIC-PI
PiPsP±C-C†PSPëC... CТPµP°PeC†C-PNë. PhP»PµCТPiC-C†PSC- CТPµP°PeC†C-C—
(PeCТPsPiPëPiБТ™ CII PSPeP°, CÍPIPµCТP±C-P¶ CëPeC-CТPë) Cí CТP°P·C-
PiC-PrPIPëC%oPµPSPsC— C†CíC,P»PëPIPsCÍC,C- PrPs PiCТPµPiP°CТP°C,Cí.
PŸPµCТP°PiC-CII CÍPëPjPiC,PsPjP°C,PëC†PSP°.

B

PμPsP±C-C‡PSC- CḡPμP°PeC†C-C—.

P— P±PsPeCž C-PjCžPSPSPsC— CÍPëCÍC,PμPjPë: PjPsP¶P»PëPIC- P°P»PμCḡPiC-C‡PSC- CḡPμP°PeC†C-C—, PIPeP»CḡC‡P°CḡC‡Pë PïPsC‡PμCḡPIPsPSC-PSPSC¶ C€PeC-CḡPë, CÍPIPμCḡP±C-P¶, C€PeC-CḡPSC- PIPëCÍPëPïP°PSPSC¶, PeCḡPsPïPëPIBḡ™ C¶PSPeCř, PePsPSC,P°PeC,PSPëPNë PrPμCḡPjP°C,PëC,.

P— P±PsPeCž C†PμPSC,CḡP°P»CHPSPsC— PSPμCḡPIPsPIPsC— CÍPëCÍC,PμPjPë: PïPsP»PsPIPSPëPNë P±C-P»CH, P·P°PïP°PjPsCḡPsC‡PμPSPSC¶, PjPsP¶P»PëPIPμ PIPëPSPëPePSPμPSPSC¶ CÍCřPrPsPj, CÍPïCḡPëC‡PëPSPμPSPμ PeP°PjC,,PsCḡPsCḡ.

PμPsCḡCžC€PμPSPSC¶ Cž PjC-CÍC†C- PIPIPμPrPμPSPSC¶: PïPsC‡PμCḡPIPsPSC-PSPSC¶ C€PeC-CḡPë, CÍPIPμCḡP±C-P¶, Cř PrC-C,PμPNë PjPsP¶Pμ PIPëPSPëPePSCřC,Pë PrPμCḡPjP°C,PëC,.

PŷPμCḡPjC-PS PïCḡPëPrP°C,PSPsCÍC,C-. 3 CḡPsPePë.

PJPjPsPIPë P·P±PμCḡC-PiP°PSPSC¶.

P—P±PμCḡC-PiP°C,Pë PI PsCḡPëPiC-PSP°P»CHPSC-PNë CřPïP°PePsPIC†C- PïCḡPë C,PμPjPïPμCḡP°C,CřCḡC- PSPμ PIPëC‰Pμ 25 B°Pŷ.

P—P±PμCḡC-PiP°C,Pë Cř PSPμPrPsCÍC,CřPïPSPsPjCř PrP»C¶ PrC-C,PμPNë PjC-CÍC†C-.

B B

PJPïP°PePsPIPeP°. PμPs 20 Pi Cř PePsPSC,PμPNëPSPμCḡP°C....B B B B

PḡP°C,PμPiPsCḡC-C¶ PIC-PrPïCřCÍPeCř. P’PμP· CḡPμC†PμPïC,P°.

P’PëCḡPsP±PSPëPe.

PμP PḡPŷ B«PᄁP†PŷPḡPᄁPḡP PḡB».

PḡC-CÍC†PμP·PSP°C...PsPrP¶PμPSPSC¶ PIPëCḡPsP±PSPëPeP° C,P° P°PrCḡPμCÍP° PjC-CÍC†C¶ PïCḡPsPIP°PrP¶PμPSPSC¶ PNëPsPiPs PrC-C¶P»CHPSPsCÍC,C-.

PJPeCḡP°C—PSP°, 84500, P”PsPSPμC†CHPeP° PsP±P»., Pj. P’P°C...PjCřC,, PICřP».
PŷPëP±C-CḡC†PμPIP°, 2.

P—P°C¶IPSPëPe.

$$P_{\dot{U}}P \ P_{\dot{h}}P_{\dot{y}} \ B \langle P_{\dot{\alpha}}P_{\dot{\dagger}}P_{\dot{y}}P_{\dot{h}}P_{\dot{\alpha}}P_{\dot{h}}P \ P_{\dot{H}}B \rangle.$$

P_HC-ClC†P_μP·PSP°C...PsPrP¶P_μPSPSC¶ P·P°C¶PIPSPëPeP°.

PJPeC $\overline{\text{H}}$ P $^{\circ}$ C—PSP $^{\circ}$, 02100, PjC—C $\overline{\text{I}}$ C,Ps P $\overline{\text{L}}$ P $\overline{\text{E}}$ C—PI, P $\pm$. P'P μ C $\overline{\text{H}}$ C...PsPIPSPsC— P P $^{\circ}$ PrP $\overline{\text{E}}$, P $\pm$ CrPrP $\overline{\text{E}}$ PSPsPe 7, PiPsPIP μ C $\overline{\text{H}}$ C... 3, PiC $\overline{\text{H}}$ P $\overline{\text{E}}$ PjC—C% μ PSPSC $\overline{\text{I}}$ 18.