

$P \rightarrow \bar{P} \bar{e} P \cdot \bar{P} \bar{e} P S P s P i C \bar{H} \bar{P} \bar{e} P \gg \mathbf{B\bar{H}}^{\prime\prime} C - P S P i C - P \pm C - C, P s C \bar{H} P \bar{h} P u P \alpha. P \bar{h} P u P \alpha C^{\prime\prime}$
 $P i P u P i C, P \bar{e} P r P \bar{e} P \gg P r P \bar{e} P i P u P i C, P \bar{e} P r P^{\circ} P \cdot P s C \bar{H}, C u P e P^{\circ} P e P^{\circ} C, P^{\circ} P \gg C - P \cdot C r C^{\prime\prime}$
 $P i P u C \bar{H} P u C, P i P s C \bar{H} P u P S P S C u P^{\circ} P S P i C - P s C, P u P S P \cdot P \bar{e} P S C r^{\prime} I C r^{\prime}$
 $P i P^{\circ} P \cdot P s P e P s P S C r^{\prime} C, C \bar{H} P \bar{e} P e C, P s C \bar{H} P S P \bar{e} P M_{\bar{e}} P i P u P i C, P \bar{e} P r, P^{\circ} P S P i C - P s C, P u P S P \cdot P \bar{e} P S II, C u P e P \bar{e} P M_{\bar{e}}$
 $C, P^{\circ} P e P s P \P C r^{\prime} C, P \bar{e} P j C r P \gg C \bar{H} C^{\prime\prime} C r^{\prime} P u P e C \bar{H} P u C r C - C \bar{H} P^{\circ} P \gg C \bar{H} P r P s C r^{\prime} C, P u C \bar{H} P s P S C r^{\prime}.$
 $P \dagger P S P i C - P \pm C r P i P^{\circ} P S P S C u P \bar{h} P u P \alpha P i C \bar{H} P \bar{e} P \cdot P i P s P r P \bar{e} C, C \bar{H} P r P s P \cdot P S P \bar{e} P \P P u P S P S C u P$
 $P e P s P S C \dagger P u P S C, C \bar{H} P^{\circ} C r C - C - C r P i P \gg P^{\circ} P \cdot P j C - P e C \bar{H} P s P i C - P^{\circ} P S P i C - P s C, P u P S P \cdot P \bar{e} P S C r^{\prime} II, C \% P s$

P"»CЦ PiP°C†C-C"»PSC,C-PI P»C-C,PSCнPsPiPs PIC-PeCr C...P°CнP°PeC,PμCнPSC- PIPëC%oC-
PePsPSC†PμPSC,CнP°C†C-C— P»C-P·PëPSPsPiCнPëP»Cr Cr PiP»P°P·PjC- PeCнPsPIC- C-
P·PSP°C†PμPSPSCЦ PiP»PsC%oC- PiC-Pr PeCнPëPIPsCн B«PePsPSC†PμPSC,CнP°C†C-CЦ-
C†P°C†B» (P·P±C-P»CнC€PμPSC- PiCнPëP±P»PëP·PSPs PSP° 60 %), PSC-P¶ Cr
PiP°C†C-C"»PSC,C-PI PjPsP»PsPrC€PsPiPs PIC-PeCr.

РљР»C-PSC-C†PSC- C...P°CнP°PeC,PμCнPëC†C,PëPePë.

PμPsPeP°P·P°PSPSCЦ.

PнCнC,PμCнC-P°P»CнPSP° PiC-PiPμCнC,PμPSP·C-CЦ.

PŸPμCнC†PμPIP° PSPμPrPsC†C,P°C,PSC-C†C,Cн (C†PëPjPiC,PsPjP°C,PëC†PSPμ
P»C-PeCrPIP°PSPSCЦ).

P"»Sc†C,CнPëP№ C-PSC,,P°CнPeC, PjC-PsPeP°CнPrP° (PePsCнPsC,PePsC,CнPëPIP°P»Pμ
P»C-PeCrPIP°PSPSCЦ (6 C,PëP¶PSC-PI) PiPμPjPsPrPëPSP°PjC-C†PSPs C†C,P°P±C-P»CнPSPëC...
PiP°C†C-C"»PSC,C-PI PSPμ PiC-P·PSC-C€Pμ PSC-P¶ C†PμCнPμP· 24 PiPsPrPëPSPë PiC-C†P»CЦ
PiPsC†C,CнPsPiPs C-PSC,,P°CнPeC,Cr PjC-PsPeP°CнPrP°).

PjC†PeP»P°PrPSPμPSPSCЦ P· P±PsPeCr PSPëCнPsPe PiCнPë C†CrPeCнPsPIPsPjCr
PrC-P°P±PμC,C- (P»C-PeCrPIP°PSPSCЦ P·P°C...PIPsCнCнPIP°PSCн PSPëCнPsPe Cr
PiC-PiPμCнC,PμPSP·PëPIPsPëC... PiP°C†C-C"»PSC,C-PI C-P· C†CrPeCнPsPIPsPj PrC-P°P±PμC,PsPj
P†P† C,PëPiCr C,P° PiPsC†P°C,PePsPIPsCн PSPμC,,CнPsPiP°C,C-C"»Cн).

PμCнPsC,PëPiPsPeP°P·P°PSPSCЦ.

PμC-PrPIPëC%oPμPSP° C†CrC,P»PëPIC-C†C,Cн PrPs P»C-P·PëPSPsPiCнPëP»Cr, PrPs
C-PSC€PëC... PePsPjPiPsPSPμPSC,C-PI PiCнPμPiP°CнP°C,Cr P°P±Ps PrPs C-PSC€PëC...
C-PSPiC-P±C-C,PsCнC-PI PнPμPα.

PнPSPiC-PsPSPμPICнPsC,PëC†PSPëP№ PSP°P±CнCЦPe PI P°PSP°PjPSPμP·C- (Cr C,PsPjCr
C†PëC†P»C- PiC-C†P»CЦ P·P°C†C,PsC†CrPIP°PSPSCЦ C-PSPiC-P±C-C,PsCнC-PI PнPμPα,
C-PrC-PsPiP°C,PëC†PSPëP№ C- C†PiP°PrPePsPIPsPëP№ PSP°P±CнCЦPe РљPIC-PSPePμ).

PнPsCнC,P°P»CнPSPëP№ P°P±Ps PjC-C,CнP°P»CнPSPëP№ C†C,PμPSPsP· P°P±Ps
PiC-PiPμCнC,CнPsC,,C-C†PSP° PeP°CнPrC-PsPjC-PsPiP°C,C-CЦ P· PIPëCнP°P¶PμPSPëPjPë
PiPμPjPsPrPëPSP°PjC-C†PSPëPjPë PiPsCнC†C€PμPSPSCЦPjPë.

P'C-P»P°C,PμCнP°P»CнPSPëP№ C†C,PμPSPsP· PSPëCнPePsPIPsC— P°CнC,PμCнC-C— P°P±Ps
C†C,PμPSPsP· P°CнC,PμCнC-C— C"PrPëPSPsC— PSPëCнPePë; PiPsC†C,CнPëP№
C-PSC,,P°CнPeC, PjC-PsPeP°CнPrP° P· PSPμC†C,P°P±C-P»CнPSPsCн
PiPμPjPsPrPëPSP°PjC-PePsCн; PeP°CнPrC-PsPiPμPSPSPëP№ C€PsPe; PsPrPSPsC†P°C†PSPμ
P·P°C†C,PsC†CrPIP°PSPSCЦ PiCнPμPiP°CнP°C,Cr C- PIPëC†PsPePsPiCнPsPiCrC†PePSPëC...
PjPμPjP±CнP°PS P· PiPsP»C-P°PeCнPëP»PSC-C,CнPëP»PSP°C,CнC-Cн-2-
PjPμC,PëP»P°P»C-P»C†CrP»CнC,,PsPSP°C,Cr (PSP°PiCнPëPeP»P°Pr, AN 96)B PiCнPë
C,PμCнPjC-PSPsPIPsPjCr PrC-P°P»C-P·C-; PiP°C†C-C"»PSC,Pë P· CнC-PIPsPμPj
PeCнPμP°C,PëPSC-PSCr PI C†PëCнPsPIPsP°C,C†C- PeCнPsPIC- ≥ 220 PjPePjPsP»Cн/P».

PhPrPSPsC†P°C†PSPµ P·P°C†C,PsC†C†PIP°PSPSC‡ P°P»C-C†PeC-C‡PµPSPIPjC-C†PSPëC...
PïC‡PµPïP°C‡P°C,C-PI PïP°C†C-C"°PSC,P°Pj P· C†C†PeC‡PsPïPëPj PrC-P°P±PµC,PsPj P°P±Ps
PïPsC‡C†C†PµPSPSC‡PjPë C,,C†PSPeC†C-PNë PSPëC‡PsPe (PëPµPα < 60 PjP»/C...PI/1,73 Pj²).

PµPµC‡PIPëPSPSPëPNë PiC-PïPµC‡P°P»CHPrPsC†C,PµC‡PsPSC-P·Pj.

P'P°PiC-C,PSC- P°P±Ps P¶C-PSPëPë, C‡PeC- PïP»P°PSC†C‡C,CH P·P°PIP°PiC-C,PSC-C,Pë
(PrPëPI. C‡PsP·PrC-P» B«P-P°C†C,PsC†C†PIP°PSPSC‡ C† PïPµC‡C-PsPr PIP°PiC-C,PSPsC†C,C-
P°P±Ps PiPsPrC†PIP°PSPSC‡ PiC‡C†PrPrC‡B»).

PhPrPSPsC†P°C†PSPµ P·P°C†C,PsC†C†PIP°PSPSC‡ P·C-
C†P°PeC†P±C-C,C‡PëP»PsPj/PIP°P»C†P°C‡C,P°PSPsPj. P>C-PeC†PIP°PSPSC‡
PïC‡PµPïP°C‡P°C,PsPj P>C-P·PëPSPsPïC‡PëP»-P‡C†C,C‡P°C,,P°C‡Pj PjPsP¶PSP°
PïPsC†PëPSP°C,Pë P»PëC†Pµ C†PµC‡PµP· 36 PiPsPrPëPS PïC-C†P»C‡ PïC‡PëPNëPsPjC†
PsC†C,P°PSPSCHPsC— PrPsP·Pë C†P°PeC†P±C-C,C‡PëP»C†/PIP°P»C†P°C‡C,P°PSC† (PrPëPI.
C‡PsP·PrC-P»Pë B«P'P·P°C"°PjPsPrC-C‡ P· C-PSC†PëPjPë P»C-PeP°C‡C†CHPePëPjPë
P·P°C†PsP±P°PjPë C,P° C-PSC†C- PIPëPrPë PIP·P°C"°PjPsPrC-PNëB» C,P°
B«PhC†PsP±P»PëPIPsC†C,C- P·P°C†C,PsC†C†PIP°PSPSC‡B»).

***P'P·P°C"°PjPsPrC-C‡ P· C-PSC†PëPjPë P»C-PeP°C‡C†CHPePëPjPë P·P°C†PsP±P°PjPë C,P°
C-PSC†C- PIPëPrPë PIP·P°C"°PjPsPrC-PNë.***

P"°C-C‡C‡PµC,PëPePë. PµC‡Pë C†C†PïC†C,PSCHPsPjC† P·P°C†C,PsC†C†PIP°PSPSC-
PrC-C†C‡PµC,PëPeC-PI C† PïP°C†C-C"°PSC,C-PI, C‡PeC- PIP¶Pµ PïC‡PëPNëPjP°C‡C,CH
P»C-P·PëPSPsPïC‡PëP», P°PSC,PëPiC-PïPµC‡C,PµPSP·PëPIPSPëPNë PµC,,PµPeC,
P·P°P·PIPëC†P°PNë PïPsC†PëP»C‡C"°C,CHC†C‡. Pk° PïPsC†P°C,PeC†
P·P°C†C,PsC†C†PIP°PSPSC‡ PePsPjP±C-PSP°C†C-C— P»C-P·PëPSPsPïC‡PëP»C† P·
PrC-C†C‡PµC,PëPeP°PjPë PïP°C†C-C"°PSC,Pë PjPsP¶C†C,CH PIC-PrC†C†PIP°C,Pë
PSP°PrPjC-C‡PSPµ P·PSPëP¶PµPSPSC‡ P°C‡C,PµC‡C-P°P»CHPSPsPiPs C,PëC†PeC† PïC‡Pë
P·P°C†C,PsC†C†PIP°PSPSC- P»C-P·PëPSPsPïC‡PëP»C†. PµPsP¶P»PëPIC-C†C,CH
C‡PsP·PIPëC,PeC† C†PëPjPïC,PsPjP°C,PëC†PSPsC— P°C‡C,PµC‡C-P°P»CHPSPsC—
PiC-PïPsC,PµPSP·C-C— PïC‡Pë P·P°C†C,PsC†C†PIP°PSPSC- P»C-P·PëPSPsPïC‡PëP»C† PjPsP¶Pµ
P±C†C,Pë P·PjPµPSC†PµPSP° C† C‡P°P·C- PïC‡PëPïPëPSPµPSPSC‡ P»C-PeC†PIP°PSPSC‡
PrC-C†C‡PµC,PëPeP°PjPë PïPµC‡PµPr PïPsC†P°C,PePsPj C,PµC‡P°PiC-C—
P»C-P·PëPSPsPïC‡PëP»PsPj C,P° P·P±C-P»CHC†PµPSPSC‡Pj PsP±B‡™ C"°PjC† C‡C-PrPëPSPë
P°P±Ps C†PsP»C-, P° C,P°PePsP¶ P»C-PeC†PIP°PSPSC‡Pj PSP° PïPsC†P°C,PeC†
PSPëP·CHPePëPjPë PrPsP·P°PjPë C-PSPiC-P±C-C,PsC‡C-PI P‡PµPα.

P>C-PeP°C‡C†CHPeC- P·P°C†PsP±Pë, C‡PeC- PïC-PrPIPëC%oC‡C‡C,CH C‡PëP·PëPe
C‡PsP·PIPëC,PeC‡ P°PSPiC-PsPSPµPIC‡PsC,PëC†PSPsPiPs PSP°P±C‡C‡PeC‡.
PhPrPSPsC†P°C†PSPµ P·P°C†C,PsC†C†PIP°PSPSC‡ C-PSPiC-P±C-C,PsC‡C-PI P‡PµPα P·C-
C†P°PeC†P±C-C,C‡PëP»PsPj/PIP°P»C†P°C‡C,P°PSPsPj PïC‡PsC,PëPïPsPeP°P·P°PSPµ
C†PµC‡PµP· PïC-PrPIPëC%oPµPSPëPNë C‡PëP·PëPe C‡PsP·PIPëC,PeC†
P°PSPiC-PsPSPµPIC‡PsC,PëC†PSPsPiPs PSP°P±C‡C‡PeC† (PrPëPI. C‡PsP·PrC-P»Pë
B«PµC‡PsC,PëPïPsPeP°P·P°PSPSC‡B» C,P° B«PhC†PsP±P»PëPIPsC†C,C-
P·P°C†C,PsC†C†PIP°PSPSC‡B»).

PhPrPSPsC†P°C†PSPµ P·P°C†C,PsC†C†PIP°PSPSC‡
C-PSPiC-P±C-C,PsC‡C-PI P‡PµPα P· C‡P°C†PµPeP°PrPsC,C‡PëP»PsPj,
C-PSPiC-P±C-C,PsC‡P°PjPë PjC-C†PµPSC- C‡P°PïP°PjC-C†PëPSC† C† C†C†P°PIC†C-PI (mTOR)
(PSP°PïC‡PëPeP»P°Pr, C†PëC‡PsP»C-PjC†C†PsPj, PµPIPµC‡PsP»C-PjC†C†PsPj,
C,PµPjC†PëC‡PsP»C-PjC†C†PsPj) P°P±Ps PIC-P»PrP°PiP»C-PïC,PëPSPsPj PjPsP¶Pµ

РiСҗРёР·РiРµСҗС,Рё РrPs РiС-РrРiРёС%PµPSPSCҗ СҗРёР·РёРёСҗ СҗPsР·РiРёС,РёСҗ
Р°PSPiС-PsPSPµPICSҗPsС,РёСҗPSPsPiPs PSP°P±СҗСҗPёСҗ (РrРёPl. СҗPsР·РrС-Р»
B«PhСҗPsР±P»РёPiPsСҗС,С- Р·Р°СҗС,PsСҗСҗРiР°PSPSCҗB»).

РлР°Р»С-РNёР·Р±РµСҗС-РiР°СҗСҗС- РrС-СҗСҗРµС,РёРёРё, РёР°Р»С-РNёРiРjС-СҗPSC-
С...Р°СҗСҗPSPIC- РrPsР±Р°РiРёРё Р°Р±Ps СҗPsР»РµР·Р°РjС-PSPSPёРёРё. РҒPsСҗР°
СҗС-РiРµPSCҗ РёР°Р»С-Сҗ Рl СҗРёСҗPsРiР°С,СҗС- РёСҗPsPIC- РiСҗРё РёР»С-РSC-СҗPSPёС...
РrPsСҗР»С-РrРҒPµPSPSCҗС... С-PSPiС-Р±С-С,PsСҗС-Рl РҗРµР» Р·Р°Р·РiРёСҗР°РNё
Р·Р°Р»»РёСҗРiСҗСҗ Сҗ РjРµРҒР°С... PSPsСҗРjРё, Сҗ РrРµСҗPёРёС... РiР°СҗС-С"РSC,С-Рl
РiСҗРµ РҒ РҒ С,Р°РёРё СҗPsР·РiРёРiР°Р»Р°Р°СҗСҗ РiС-РiРµСҗРёР°Р»Р°Р»С-С"РjС-Сҗ. Р РёР·РёРё
РiС-РiРµСҗРёР°Р»Р°Р»С-С"РjС-С— РiPsPлҗ СҗP·СҗСҗС,Сҗ Р· СҗРёPSPSPёРёР°РjРё, РrPs
СҗPёРёС... PSP°Р»РµРҒР°С,Сҗ PSPёСҗРёPsРiР° PSPµРrPsСҗС,Р°С,РSC-СҗС,Сҗ,
СҗСҗРёСҗPsРiРёРNё РrС-Р°Р±РµС, С- PsРrPSPsСҗР°СҗPSPёРNё РiСҗРёРёРNёPsРj
РёР°Р»С-РNёР·Р±РµСҗС-РiР°СҗСҗСҗРёС... РrС-СҗСҗРµС,РёРёС-Рl (PSP°РiСҗРёРёРёР»Р°Р»Р°Р°Р°,
СҗРiРёСҗPsPSPsР»Р°РёС,PsPS, С,СҗРёРёР°РjС,РµСҗРµРµ Р°Р±Ps Р°РjР»Р»СҗРёР», Р°
С,Р°РёPsРҒ РёР°Р»С-РNёРiРjС-СҗPSPёС... С...Р°СҗСҗPsРiРёС... РrPsР±Р°РiPs Р°Р±Ps
СҗPsР»РµР·Р°РjС-PSPSPёРёС-Рl.

Р—Р°СҗС,PsСҗСҗРiР°PSPSCҗ РёР°Р»С-РNёРiРjС-СҗPSPёС... С...Р°СҗСҗPsРiРёС...
РrPsР±Р°РiPsРё, РёР°Р»С-РNёР·Р±РµСҗС-РiР°СҗСҗСҗРёС... РrС-СҗСҗРµС,РёРёС-Рl Р°Р±Ps
РёР°Р»С-РNёРiРjС-СҗPSPёС... СҗPsР»РµР·Р°РjС-PSPSPёРёС-Рl РjPsРҒPµ РiСҗРёРёР·РiРёС,Рё
РrPs Р·PSP°СҗPSPsPiPs РiС-РrРiРёС%PµPSPSCҗ СҗС-РiPSCҗ РёР°Р»С-Сҗ Рl
СҗРёСҗPsРiР°С,СҗС- РёСҗPsPIC-, PsСҗPsР±P»РёPiPs Сҗ РiР°СҗС-С"РSC,С-Рl Р·
РiPsСҗСҗСҗPµPSPSCҗРj С,,СҗPSPёСҗС-С— PSPёСҗPsРё. РµС-Рr СҗР°Сҗ РiСҗРёРёРNёPsРjСҗ
Р»С-Р·РёPSPsРiСҗРёРёР»Р°Р»Р°Р°Сҗ PSP° С,Р»С- РёР°Р»С-РNёРiРёРiС-РrPSPёС... РrС-СҗСҗРµС,РёРёС-Рl
РiС-РiPsРёР°Р»С-С"РjС-Сҗ, СҗРiСҗРёРёСҗРёPSPµPSP° С—... РiСҗРёРёРNёPsРjPsРj, РjPsРҒPµ
Р±СҗС,Рё РiPsСҗР»Р°Р»Р°Р»Р°Р»Р°Р°Р°.

РкРµPsР±С...С-РrPSPs С,Р°РёPsРҒ РiРёСҗP»СҗС,Рё PsР±РµСҗРµРҒPSC-СҗС,Сҗ РiСҗРёРё
PsРrPSPsСҗР°СҗPSPsРjСҗ Р·Р°СҗС,PsСҗСҗРiР°PSPSC- Р»С-РёР°СҗСҗСҗРёРёPsPiPs Р·Р°СҗPsР±Сҗ
Р»С-Р·РёPSPsРiСҗРёРёР»Р°Р»Р°Р°Р°-РҗСҗС,СҗР°С,,Р°СҗРj Р· С-РSCёРёРjРё Р»С-РёР°СҗСҗСҗРёРёРёРjРё
Р·Р°СҗPsР±Р°РjРё, СҗPёС- РiС-РrРiРёС%СҗСҗС,Сҗ СҗС-РiРµPSCҗ РёР°Р»С-Сҗ Рl
СҗРёСҗPsРiР°С,СҗС- РёСҗPsPIC-, С,Р°РёРёРjРё СҗPё С,СҗРёРjРµС,PsРiСҗРёРjС- РёPs-
С,СҗРёРjPsРёСҗР°Р·Р»» (С,СҗРёРjРµС,PsРiСҗРёРj/СҗСҗР»С,,Р°РjРµС,PsРёСҗР°Р·РлР»),
PsСҗРёС-Р»СҗРёРё РlС-РrPsРjPs, С%Ps С,СҗРёРjРµС,PsРiСҗРёРj РrС-С" СҗPё
РёР°Р»С-РNёР·Р±РµСҗС-РiР°СҗСҗСҗРёРё РrС-СҗСҗРµС,РёРёС С,Р°Рё СҗР°РjPs, СҗPё
Р°РjС-Р»СҗРёРёРл. РҗPsРjСҗ PSPµ СҗРµPsРjРµPSPrСҗС"С,СҗСҗСҗ РiPsС"РrPSP°PSPSCҗ
РiСҗРµРiР°СҗР°С,Сҗ Р»С-Р·РёPSPsРiСҗРёРёР»Р°Р»Р°Р°Р°-РҗСҗС,СҗР°С,,Р°СҗРj Р·
РiРёС%PµР·Р°Р·РiР°Р»Р°Р»Р°Р»Р°Р°Р° Р»С-РёР°СҗСҗСҗРёРёРёРjРё Р·Р°СҗPsР±Р°РjРё. РiРёС%Ps
РiPsРёР°Р·Рл PsРrPSPsСҗР°СҗPSPµ Р·Р°СҗС,PsСҗСҗРiР°PSPSCҗ С,Р°РёРёС...
РiСҗРµРiР°СҗР°С,С-Рl, Р»С-РёСҗРiР°PSPSCҗ PSPµPsР±С...С-РrPSPs РiСҗPsPiPsРiРёС,Рё Р·
PsР±РµСҗРµРҒPSC-СҗС,Сҗ С,Р° СҗР°СҗС,Ps РёPsPSC,СҗPsР»СҗРiР°С,Рё СҗС-РiРµPSCҗ
РёР°Р»С-Сҗ Рl СҗРёСҗPsРiР°С,СҗС- РёСҗPsPIC-.

РiРёРёР»Р»СҗРiРiСҗРёРёPS. РµСҗРёРё PsРrPSPsСҗР°СҗPSPsРjСҗ Р·Р°СҗС,PsСҗСҗРiР°PSPSC-
С-PSPiС-Р±С-С,PsСҗС-Рl РҗРµР» Р· Р·РёРёР»Р»СҗРiРiСҗРёРёPSPsРj РjPsРҒPµ
РiРёPSPёРёPSCҗС,Рё РiС-РiРµСҗРёРёР»Р°Р»Р°Р»С-С"РjС-Сҗ. Р РµPsРjРµPSPrСҗС"С,СҗСҗСҗ
РёPsPSC,СҗPsР»Сҗ РiРjС-СҗС,Сҗ РёР°Р»С-Сҗ Рl СҗРёСҗPsРiР°С,СҗС- РёСҗPsPIC-.

Р"РµРiР°СҗРёРёPS. РµСҗРёРё PsРrPSPsСҗР°СҗPSPsРjСҗ Р·Р°СҗС,PsСҗСҗРiР°PSPSC-

C-PSiC-P±C-C,PsCḡC-PI PḡPḡPḡ P· PiPḡPḡ°CḡPḡPSPsPj PjPsPḡPḡ PIPḡPSPḡPePSCrC,Pḡ
PiC-PiPḡCḡPeP°P»C-C”PjC-Cḡ. P PḡPePsPjPḡPSPrCrC”C,CḡCḡCḡ PePsPSC,CḡPsP»Cḡ
PIPjC-CḡC,Cr PeP°P»C-Cḡ PI CḡPḡCḡPsPIP°C,C†C- PeCḡPsPIC-.

P»C-C,C-PMḡ. PḡCḡPḡ PsPrPSPsC†P°CḡPSPsPjCr PiCḡPḡPMḡPsPjC- P»C-C,C-Cḡ C-
C-PSiC-P±C-C,PsCḡC-PI PḡPḡPḡ PsP±PsCḡPsC,PSPs PiC-PrPIPḡC%CrC”C,CḡCḡCḡ
CḡC-PIPḡPSCḡ P»C-C,C-Cḡ PI CḡPḡCḡPsPIP°C,C†C- PeCḡPsPIC- C-
CḡPsP·PIPḡPIP°CḡC,CḡCḡCḡ C,PsPeCḡPḡC†PSC- PḡC,,PḡPeC,Pḡ. P—P°CḡC,PsCḡCrPIP°PSPSCḡ
C,C-P°P·PḡPrPSPḡC... PrC-CrCḡPḡC,PḡPeC-PI PjPsPḡPḡ PiC-PrPIPḡC%CrPIP°C,Pḡ CḡPḡP·PḡPe
P»C-C,C-C”PIPSC— C-PSC,PsPeCḡPḡPeP°C†C-C— C- PiPsCḡPḡP»CḡPIP°C,Pḡ C—C—, CḡPeC%Ps
PIPSPSP° PIPḡPḡ CḡPiCḡPḡC†PḡPSPḡPSP° PsPrPSPsC†P°CḡPSPḡPj PiCḡPḡPMḡPsPjPsPj
C-PSiC-P±C-C,PsCḡC-PI PḡPḡPḡ. P—P°CḡC,PsCḡPsPICrPIP°C,Pḡ P»C-P·PḡPSPsPiCḡPḡP»
PsPrPSPsC†P°CḡPSPs P· P»C-C,C-C”Pj PSPḡ CḡPḡPePsPjPḡPSPrCrC”C,CḡCḡCḡ, P°P»Pḡ PI
C,PḡC... PIPḡPiP°PrPeP°C..., PePsP»Pḡ C,P°PePḡ PiPsC”PrPSP°PSPSCḡ PiPsC,CḡC-P±PSPḡ,
CḡP»C-Pr P·PrC-PMḡCḡPSCḡPIP°C,Pḡ CḡPḡC,PḡP»CḡPSPḡPMḡ PePsPSC,CḡPsP»Cḡ CḡC-PIPSCḡ
P»C-C,C-Cḡ Cr CḡPḡCḡPsPIP°C,C†C- PeCḡPsPIC-.

PḡPḡCḡC,PḡCḡPsC—PrPSC- B PiCḡPsC,PḡP·P°PiP°P»CḡPSC- B P·P°CḡPsP±Pḡ B (PḡPḡP—P—),
B PIPḡP»CḡC†P°CḡC†Pḡ B C- P°C†PḡC,PḡP»CḡP°P»C-C†PḡP»PsPICḡ PePḡCḡP»PsC,Cḡ PI PrPsP·C-
≥ 3 Pi PSP° PrPsP±Cḡ. PḡCḡPḡPIP°P»PḡPMḡ PiCḡPḡPMḡPsPj PḡPḡP—P— PjPsPḡPḡ
PiPsCḡP»P°P±PḡC,Pḡ PiC-PiPsC,PḡPSP·PḡPIPSPḡPMḡ PḡC,,PḡPeC, C-PSiC-P±C-C,PsCḡC-PI
PḡPḡPḡ. P·C,,PḡPeC,Pḡ PḡPḡP—P— C- C-PSiC-P±C-C,PsCḡC-PI PḡPḡPḡ PSP°
PiC-PrPIPḡC%PḡPSPSCḡ CḡC-PIPSCḡ PeP°P»C-Cḡ PI CḡPḡCḡPsPIP°C,C†C- PeCḡPsPIC-
PiC-PrCḡCrPjPsPICrCḡC,CḡCḡCḡ, C%Ps PjPsPḡPḡ PiCḡPḡP·PIPḡCḡC,Pḡ PrPs
PiPsCḡCrCḡPḡPSPSCḡ C,,CrPSPeC†C-C— PSPḡCḡPsPe. PiC- PḡC,,PḡPeC,Pḡ P·P°P·PIPḡC†P°PMḡ
PsP±PsCḡPsC,PSC-. P’ PsPeCḡPḡPjPḡC... PIPḡPiP°PrPeP°C... PjPsPḡPḡ
CḡPiPsCḡC,PḡCḡC-PiP°C,PḡCḡCḡ PiPsCḡC,CḡP° PSPḡCḡPePsPIP°
PSPḡPrPsCḡC,P°C,PSC-CḡC,Cḡ, PsCḡPsP±P»PḡIPs PiCḡPḡ PiPsCḡCrCḡPḡPSPSC-
C,,CrPSPeC†C-C— PSPḡCḡPsPe, PSP°PiCḡPḡPeP»P°Pr, PI PsCḡC-P± P»C-C,PSCḡPsPiPs PIC-PeCr
P°P±Ps Cr PiP°C†C-C”PSC,C-PI P·i P·PSPḡPIPSPrPSPḡPSPSCḡPj PsCḡPiP°PSC-P·PjCr.

PḡCḡPḡPiP°CḡP°C,Pḡ P·PsP»PsC,P°. PḡC-C,CḡPḡC,PsC—PrPSC- CḡPḡP°PeC†C-C—
(CḡPḡPjPiC,PsPjPḡ PIP°P·PsPrPḡP»P°C,P°C†C-C—, PIPḡP»CḡC†P°CḡC†Pḡ PiCḡPḡPiP»PḡPIPḡ,
PSCrPrPsC,Cr, P·P°PiP°PjPsCḡPsC†PḡPSPSCḡ, P°CḡC,PḡCḡC-P°P»CḡPSCr
PiC-PiPsC,PḡPSP·C-Cḡ, CḡPeP° PjPsPḡPḡ P±CrC,Pḡ PrCrPḡPḡ C,CḡPḡPePsCḡ) PiC-CḡP»Cḡ
C-PSḡ™C”PeC†C-C— P·PsP»PsC,P° (PSP°PiCḡPḡPeP»P°Pr, PSP°C,CḡC-Cḡ
P°CrCḡPsC,PḡPsPjP°P»P°C,Cr) PIC-PrP·PSP°C†P°P»PḡCḡCḡ C†P°CḡC,C-CḡPḡ Cr
PiP°C†C-C”PSC,C-PI, CḡPeC- PsC,CḡPḡPjCrPIP°P»Pḡ P»C-PeCrPIP°PSPSCḡ
C-PSiC-P±C-C,PsCḡPsPj PḡPḡPḡ.

P†PSCḡC- P°PSC,PḡPiC-PiPḡCḡC,PḡPSP·PḡPIPSC- P·P°CḡPsP±Pḡ (β-
P°PrCḡPḡPSPsP±P»PsPeP°C,PsCḡPḡ, α-P°PrCḡPḡPSPsP±P»PsPeP°C,PsCḡPḡ,
P°PSC,P°PiPsPSC-CḡC,Pḡ PeP°P»CḡC†C-Cḡ). PḡCḡPḡ PsPrPSPsC†P°CḡPSPsPjCr
P·P°CḡC,PsCḡCrPIP°PSPSC- P»C-P·PḡPSPsPiCḡPḡP»Cr P· C-PSCḡPḡPjPḡ
P°PSC,PḡPiC-PiPḡCḡC,PḡPSP·PḡPIPSPḡPjPḡ P·P°CḡPsP±P°PjPḡ
CḡPiPsCḡC,PḡCḡC-PiP°C”C,CḡCḡCḡ PiPsCḡPḡP»PḡPSPSCḡ PiC-PiPsC,PḡPSP·PḡPIPSPsPiPs
PḡC,,PḡPeC,Cr. PḡPrPSPsC†P°CḡPSPḡPMḡ PiCḡPḡPMḡPsPj PSC-C,CḡPsPiP»C-C†PḡCḡPḡPSCr C,P°
C-PSCḡPḡC... PsCḡPiP°PSC-C†PSPḡC... PSC-C,CḡP°C,C-PI P°P±Ps
PIP°P·PsPrPḡP»P°C,P°C,PsCḡC-PI PjPsPḡPḡ PiPsCḡPḡP»CḡPIP°C,Pḡ
PiC-PiPsC,PḡPSP·PḡPIPSPḡPMḡ PḡC,,PḡPeC, P»C-P·PḡPSPsPiCḡPḡP»Cr.

PḡCḡPḡC†PḡPeP»C-C†PSC- P°PSC,PḡPrPḡPiCḡPḡCḡP°PSC,Pḡ, P°PSPḡCḡC,PḡC,PḡPePḡ C-

P°PSC, PëPiCÍPëC...PsC, PëPePë. PµCĤPëPNëPsPj PrPµCĤPëPëC... P°PSPµCÍC, PµC, PëPeC-PI, C, CĤPëC†PëPeP»C-C†PSPëC... P°PSC, PëPrPµPíCĤPµCÍP°PSC, C-PI C- P°PSC, PëPiCÍPëC...PsC, PëC†PSPëC... P·P°CÍPSP±C-PI PSP° C, P»C- C-PSPiC-P±C-C, PsCĤC-PI PĥPµPα PjPsP¶Pµ PíPSCÍPëP»PëC, Pë P°CĤC, PµCĤC-P°P»CHPSCr PíC-PíPSC, PµPSP·C-CĤ.

PŸPëPjPíP°C, PsPjC-PjPµC, PëC†PSC- P»C-PeP°CĤCÍCHPeC- P·P°CÍPSP±Pë. PŸPëPjPíP°C, PsPjC-PjPµC, PëC†PSC- PíCĤPµPíP°CĤP°C, Pë PjPsP¶CÍC, CH P·PSPëP¶CÍPIP°C, Pë P°PSC, PëPiC-PíPµCĤC, PµPSP·PëPIPSPëPNë PµC,, PµPeC, C-PSPiC-P±C-C, PsCĤC-PI PĥPµPα. P— C†C-C”C— PíCĤPëC†PëPSPë PSPµPSP±C...C-PrPSPs P±C-P»CHC€ CĤPµC, PµP»CHPSPs PePsPSC, CĤPsP»CĤPIP°C, Pë P°CĤC, PµCĤC-P°P»CHPSPëPNë C, PëCÍPë PíP°C†C-C”PSC, P°, C%oPsP± PICÍC, P°PSPsPIPëC, Pë, C†Pë P±C†PI PrPSCÍCĤPíPSCrC, PëPNë P±P°P¶P°PSPëPNë C, PµCĤP°PíPµPIC, PëC†PSPëPNë PµC,, PµPeC,.

P”C-PíPSPiP»C-PePµPjC-C†PSC- P·P°CÍPSP±Pë. P·PíC-PrPµPjC-PsP»PsPiC-C†PSC- PrPSCÍP»C-PrP¶PµPSPSCĤ PíPSPeP°P·P°P»Pë, C%oPs PsPrPSPsC†P°CÍPSPëPNë PíCĤPëPNëPsPj C-PSPiC-P±C-C, PsCĤC-PI PĥPµPα C- PíC-PíPSPiP»C-PePµPjC-C†PSPëC... P·P°CÍPSP±C-PI (C-PSCÍC†P»C-PSC-PI C, P° PíC-PíPSPiP»C-PePµPjC-C†PSPëC... P·P°CÍPSP±C-PI PrP»CĤ P·P°CÍC, PsCÍC†PIP°PSPSCĤ PIPSCrC, CĤC-C€PSCĤPs) PjPsP¶Pµ PíPSCÍPëP»CĤPIP°C, Pë PrC-CĤ PsCÍC, P°PSPSC-C..., P°P¶ PrPs CĤPsP·PIPëC, PeC† PíC-PíPSPiP»C-PePµPjC-C—. P’C-CĤPsPiC-PrPSC-CÍC, CH C, P°PePëC... CĤPIPëC%o PsCÍPSP±P»PëPIPs PIPëCÍPSPeP° PIPíCĤPsPrPsPIP¶ PíPµCĤC€PëC... C, PëP¶PSC-PI PsPrPSPsC†P°CÍPSPsPiPs P»C-PeC†PIP°PSPSCĤ PíP°C†C-C”PSC, C-PI, P° C, P°PePsP¶ PíCĤPë PíPSCĤC†C€PµPSPSC- C,, C†PSPeC†C-C— PSPëCĤPsPe.

PĥC†PµC, PëP»CÍP°P»C-C†PëP»PsPIP° PePëCÍP»PsC, P°, C, CĤPsPjP±PsP»C-C, PëPePë, β- P°PrCĤPµPSPsP±P»PsPeP°C, PsCĤPë C, P° PSC-C, CĤP°C, Pë. P·C-P·PëPSPsPíCĤPëP» PjPsP¶PSP° PíCĤPëP·PSP°C†P°C, Pë PsPrPSPsC†P°CÍPSPs P· P°C†PµC, PëP»CÍP°P»C-C†PëP»PsPIPsCĤ PePëCÍP»PsC, PsCĤ (C† PrPsP·P°C..., C%oPs P·P°CÍC, PsCÍPSPiC†CĤC, CHCÍCĤ Pí PeP°CĤPrC-PsP»PsPiC-C—), C, CĤPsPjP±PsP»C-C, PëC†PSPëPjPë P·P°CÍPSP±P°PjPë, β- P°PrCĤPµPSPsP±P»PsPeP°C, PsCĤP°PjPë C, P° PSC-C, CĤP°C, P°PjPë.

PµPsPrPIC-PMëPSP° P±P»PsPeP°PrP° CĤPµPSC-PS-P°PSPiC-PsC, PµPSP·PëPS- P°P»CHPrPsCÍC, PµCĤPsPSPsPIPsC— CÍPëCÍC, PµPjPë (P PĥPĥPŸ). PµCĤPsPrPµPjPsPSCÍC, CĤPsPIP°PSPs, C%oPs PíPSPrPIC-PMëPSP° P±P»PsPeP°PrP° P PĥPĥPŸ PíCĤPë CÍC†PíC†C, PSCHPsPjC† P·P°CÍC, PsCÍC†PIP°PSPSC- C-PSPiC-P±C-C, PsCĤC-PI PĥPµPα, P°PSC, P°PíPSPSC-CÍC, C-PI CĤPµC†PµPíC, PsCĤC-PI P°PSPiC-PsC, PµPSP·PëPSCr P†P† P°P±Ps P°P»C-CÍPeC-CĤPµPSCr C...P°CĤP°PeC, PµCĤPëP·C†C”C, CHCÍCĤ P±C-P»CHC€PsCĤ C†P°CÍC, PsC, PsCĤ CĤPsP·PIPëC, PeC† C, P°PePëC... PíPSP±C-C†PSPëC... CĤPµP°PeC†C-PNë CĤPe P°CĤC, PµCĤC-P°P»CHPSP° PíC-PíPSC, PµPSP·C-CĤ, PíC-PíPµCĤPiP»C-PePµPjC-CĤ, PíPSCĤC†C€PµPSPSCĤ C,, C†PSPeC†C-C— PSPëCĤPsPe (C† C, PsPjC† C†PëCÍP»C- PíPSCÍC, CĤP° PSPëCĤPePsPIP° PSPµPrPsCÍC, P°C, PSC-CÍC, CH) PíPSCĤC-PIPSCĤPSPs C-P· P·P°CÍC, PsCÍC†PIP°PSPSCĤPj PjPsPSPsC, PµCĤP°PíC-C—.

PĥP»PsPíCáCĤPëPSPsP», C†PëC, PsCÍC, P°C, PëPePë, C-PjCáPSPsPrPµPíCĤPµCÍP°PSC, Pë, PePsCĤC, PëPePsCÍC, PµCĤPsC—PrPë, PíCĤPsPeP°C—PSP°PjC-Pr. PµCĤPë PsPrPSPsC†P°CÍPSPsPjC† P·P°CÍC, PsCÍC†PIP°PSPSC- P· P»C-P·PëPSPsPíCĤPëP»PsPj PjPsP¶CÍC, CH CÍPíCĤPëC†PëPSPëC, Pë P»PµPNëPePsPíPµPSC-CĤ.

P·C-PeP°CĤCÍCHPeC- P·P°CÍPSP±Pë, C%oPs PíCĤPëPíPSC-C†CáCĤC, CH C,, CáPSPeC†C-CĤ PeC-CÍC, PePsPIPsPiPs PjPsP·PeCá. PµCĤPë PsPrPSPsC†P°CÍPSPsPjC† P·P°CÍC, PsCÍC†PIP°PSPSC- P· P»C-P·PëPSPsPíCĤPëP»PsPj PíC-PrPIPëC%oC†CĤC, CH CĤPëP·PëPe PIPëPSPëPePSPµPSPSCĤ PSPµPNëC, CĤPsPíPµPSC-C— C, P°/P°P±Ps

$$\begin{aligned} & \text{P}_1\text{P}_m \text{ C}, \text{P}^\circ\text{PePsP}^\parallel \text{ C}\dot{\text{r}}\text{C}, \text{PsC}\dot{\text{r}}\text{C}\dot{\text{r}}\text{C}''\text{C}, \text{CH}_3\text{C}\dot{\text{r}}\text{C}\dot{\text{C}}\text{P} \ddot{\text{P}}\text{P}^\circ\text{C}^+\text{C}-\text{C}''\text{PSC}, \text{C}-\text{PI} \text{ P} \cdot \text{C}-\text{C}\epsilon\text{P}_m\text{PjC}-\text{C}\ddagger\text{PSPsC}\dot{\text{H}} \\ & \text{C}\dots\text{PIP}_s\text{C}\dot{\text{H}}\text{PsP}\pm\text{PsC}\dot{\text{H}} \text{ C}\dot{\text{r}}\text{P}_m\text{C}\dot{\text{H}}\text{C}^+\text{C}\dot{\text{C}}\text{P}^\circ\text{P}\pm\text{Ps} \text{ P}\cdot\text{P}^\circ\text{C}\dots\text{PIP}_s\text{C}\dot{\text{H}}\text{C}\dot{\text{H}}\text{PIP}^\circ\text{PSPSC}\dot{\text{C}}\text{Pj} \text{ C}\dot{\text{r}}\text{C}\dot{\text{r}}\text{P}\ddot{\text{P}}\text{PS} \end{aligned}$$

PjPsP·PeCf, C CIPePec... P·PSP°C±PSPµ P·PSPëP¶PµPSPSC C P°C CµC C-P»CHPSPsPiPs C,PëCfPeCf PjPsP¶Pµ P C CµPëP·PIPµCfC,Pë PrPs C-PSC,,P°C CµPeC,Cf PjC-PsPeP°C CµPrP° P°P±Ps PIPsC CµCfCµPµPSPSC C PjPsP·PePsPIP sPiPs PeC CµPsPIP sPsP±C-PiCf.

PJ CµP°P·C- CµPsP·PIPëC,PeCf P°C CµC,PµC CµC-P°P»CHPSPsC— PiC-PiPsC,PµPSP·C-C— PIP°C C C-C" PSC,P° PSPµPsP±C...C-PrPSPs PiPsPeP»P°C CµC,Pë PSP° C f PIPëPSCf C- P·P° PSPµPsP±C...C-PrPSPsCfC,C- P·CµPsP±PëC,Pë PIPSCfC,CµC-CëPSCµPsPIPµPSPSPµ PIPIPµPrPµPSPSC CµPsP·C±PëPSCf PSP°C,CµC-C C...P»PsCµPëPrCf.

PŸPePsCµPsPjPëPSCfC%P° PiC-PiPsC,PµPSP·PëPIPSP° CµPµP°PeC C C CIP PSPµ C" P CµPsC,PëPiPsPeP°P·P°PSPSC C Pj PrP»CµC PSP°CfC,Cf PIPSPsPiPs P CµPëPµNëPsPjCf P CµPµPIP°CµP°C,Cf. PµC-CfP»CµC PIC-PrPSPsPIP»PµPSPSC PµC,,PµPeC,PëPIPSPsPiPs PsP±B CµC" PjCf PeCµPsPIC- C,P° P·PSPëPePSPµPSPSC C f PePsCµPsPjPëPSCfC%PsC— PiC-PiPsC,PµPSP·PëPIPSPsC— CµPµP°PeC C C— PjPsP¶PSP° P CµPsPrPsPIP¶PëC,Pë P»C-PeCfPIP°PSPSC C P»C-P·PëPSPsP CµPëP»PsPj.

PJ PrPµCIPePëC... PIP°C C C-C" PSC,C-PI C-P· C...CµPsPSC-C±PSPsC C f PµC CµC PµPIP sCµ PSPµPrPsCfC,P°C,PSC-CfC,CµC, CIPeC- PjP°CµC,CH PSPsCµPjP°P»CHPSPëPµNë P°P±Ps PSPëP·CHPePëPµNë P°C CµC,PµC CµC-P°P»CHPSPëPµNë C,PëCfPe, PjPsP¶Pµ C fC,P°C,PëCfCµC PrPsPrP°C,PePsPIPµ P·PSPëP¶PµPSPSC C f PëCfC,PµPjPSPsPiPs P°C CµC,PµC CµC-P°P»CHPSPsPiPs C,PëCfPeCf P CµPë P CµPëP·PSP°C±PµPSPSC- P»C-P·PëPSPsP CµPëP»Cf. P PµPµNë PµC,,PµPeC, PsC C C-PeCfPIP°PSPëPµNë C- P·P°P·PIPëC±P°PµNë PSPµ C" P CµPëC±PëPSPsCµC PrP»CµC P CµPëP PIPëPSPµPSPSC CµC,PµCµP°P C C— PµCµPë PIPëPSPëPePSPµPSPSC- C f PëPjPiC,PsPjP°C,PëC±PSPsC— P°C CµC,PµC CµC-P°P»CHPSPsC— PiC-PiPsC,PµPSP·C-C— PjPsP¶Pµ PIPëPSPëPePSCfC,Pë PSPµPsP±C...C-PrPSC-CfC,CH P·PSPëP¶PµPSPSC C PrPsP·Pë P°P±Ps P CµPëP PIPëPSPµPSPSC C P CµPëPµNëPsPjCf P»C-P·PëPSPsP CµPëP»Cf.

P CµC,PµC CµC-P°P»CHPSP° PiC-PiPsC,PµPSP·C-C CµC P CµPë PiPsCfC,CµPsPjC C C-PSC,,P°C CµPeC,C- PjC-PsPeP°C CµPrP° C f PIP°C C C-C" PSC,C-PI P·C- C fC,P°P±C-P»CHPSPsCµC PiPµPjPsPrPëPSP°PjC-PePsCµC C fP»C-Pr P CµPsPIP sPrPëC,Pë P»C-PeCfPIP°PSPSC C P»C-P·PëPSPsP CµPëP»PsPj C f PIPµCµC C- 24 PiPsPrPëPSPë PrP»CµC P CµPsC,,C-P»P°PeC,PëPePë PrPëCfC,,CfPSPeC C C— P»C-PIP sC— PeP°PjPµCµPë C f PµC CµC C C C- C f PµCµC PµPIP sC— PSPµPrPsCfC,P°C,PSPsCfC,C-, P° C,P°PePsP¶P· PjPµC,PsCµC P·PSPëP¶PµPSPSC C P»PµC,P°P»CHPSPëC... PIPëP P°PrPeC-PI. PµCµPë PiPsCfC,CµPsPjCf C-PSC,,P°C CµPeC,C- PjC-PsPeP°C CµPrP° PSPµ PjPsP¶PSP° CµPsP·PiPsC±PëPSP°C,Pë P»C-PeCfPIP°PSPSC C P»C-P·PëPSPsP CµPëP»PsPj, CIPeC%Ps C-C f PSCfC" CµPëP·PëPe PIPëPSPëPePSPµPSPSC C PiPsPrP°P»CHCëPëC... C f PµCµPµNëPsP·PSPëC... PiPµPjPsPrPëPSP°PjC-C±PSPëC... PiPsCµCfCëPµPSCµC PiC-C fP»CµC P»C-PeCfPIP°PSPSC C PIP°P·PsPrPëP»P°C,P°C,PsCµPsPj. P Pµ C fC,PsCfCfC" C,CHC fCµC PIP°C C C-C" PSC,C-PI C-P· C f PëCfC,PsP»C-C±PSPëPj P°C CµC,PµC CµC-P°P»CHPSPëPj C,PëCfPePsPj 100 PjPj CµC,, C fC,, C,P° PSPëP¶C±Pµ P°P±Ps PIP°C C C-C" PSC,C-PI, C f CIPePëC... CµPsP·PIPëPSCfPIC fCµC PeP°CµPrC-PsPiPµPSPSPëPµNë CëPsPe. PµCµPsC,CµPiPsPj PIPµCµCëPëC... 3 PrPSC-PI PiC-C fP»CµC C-PSC,,P°C CµPeC,Cf PjC-PsPeP°C CµPrP° PrPsP·Cf P CµPµPIP°CµP°C,Cf PSPµPsP±C...C-PrPSPs P·PjPµPSCëPëC,Pë, CIPeC%Ps C f PëCfC,PsP»C-C±PSPëPµNë C,PëCfPe PSPµ PIPµCµPµPIPëC%CfC" 120 PjPj CµC,, C fC,, PIPeC%Ps PiPsPeP°P·PSPëPe C f PëCfC,PsP»C-C±PSPsPiPs P°C CµC,PµC CµC-P°P»CHPSPsPiPs C,PëCfPeCf PrPsCµC-PIPSCµC" P°P±Ps PSPëP¶C±Pµ 100 PjPj CµC,, C fC,, PiC-PrC-P±CµP°PSC- PrPsP·Pë PSPµPsP±C...C-PrPSPs P·PjPµPSCëPëC,Pë PrPs 5 PjPi P°P±Ps C,PëPjC±P°C f PsPIP s PrPs 2,5 PjPi. PIPeC%Ps PiC-C fP»CµC P CµPëPµNëPsPjCf P»C-P·PëPSPsP CµPëP»Cf C f PIPsCfC,PµCµC-PiP°C" C,CHC fCµC P CµPsP»PsPSPIP sPIP°PSP° P°C CµC,PµC CµC-P°P»CHPSP° PiC-PiPsC,PµPSP·C-CµC (C f PëCfC,PsP»C-C±PSPëPµNë C,PëCfPe P·P°P»PëCëP°C" C,CHC fCµC PSPëP¶C±Pµ P·P°

90 PjPj CḡC,.. CḡC,.. PīCḡPsC,CḡPiPsPj P±C-P»CHC€Pμ 1 PiPsPrPēPSPē), PSPμPsP±C...C-PrPSPs PIC-PrPjC-PSPēC,Pē P»C-PeCḡPIP°PSPSCḡ P»C-P·PēPSPsPīCḡPēP»PsPj.

Pj PīP°C†C-C''PSC,C-PI P· PiC-PīPsPIPSP»PμPjC-C''Cḡ, PrPμC,,C-C†PēC,PsPj PSP°C,CḡC-Cḡ Cḡ P·PIBḡ™ CḡP·PeCḡ C-P· P·P°CḡC,PsCḡCḡPIP°PSPSCḡPj PrC-CḡCḡPμC,PēPeC-PI, P±PμP·CḡPsP»CHPsPIPSC— PrC-C''C,Pē, C†PμCḡPμP· P±P»CḡPIP°PSPSCḡ, PrC-P°CḡPμCḡ, PīC-CḡP»Cḡ PrC-P°P»C-P·Cḡ PjPsPḡP»PēPIPēPNḡ CḡPsP·PIPēC,PsPe CḡP°PīC,PsPIPSC— C,CḡPḡPePsC— P°CḡC,PμCḡC-P°P»CHPSPSC— PiC-PīPsC,PμPSP·C-C—, PiPsCḡC,CḡPsC— PSPēCḡPePsPIPSC— PSPμPrPsCḡC,P°C,PSPsCḡC,C-. Pj C,P°PePēC... PIPēPīP°PrPeP°C... PrPsC†C-P»CHPSPs PePsPjPīPμPSCḡCḡPIP°C,Pē PIC,CḡP°C,Pē CḡC-PrPēPSPē C- CḡPsP»PμPNḡ PrPs PīPsC†P°C,PeCḡ P»C-PeCḡPIP°PSPSCḡ P»C-P·PēPSPsPīCḡPēP»PsPj C,P° P·P°P±PμP·PīPμC†PēC,Pē P°PrPμPePIP°C,PSPēPNḡ PjPμPrPēC†PSPēPNḡ PSP°PiP»CḡPr. P— PsCḡPsP±P»PēPIPsCḡ PsP±PμCḡPμPḡPSC-CḡC,Cḡ (PICḡP°C...PsPICḡCḡC†Pē CḡPīC-PIPIC-PrPSPsC€PμPSPSCḡ PePsCḡPēCḡC,Cḡ/CḡPēP·PēPe) CḡP»C-Pr PīCḡPēP·PSP°C†P°C,Pē PīCḡPμPīP°CḡP°C, C...PIPSCḡPēPj PīC-CḡP»Cḡ PsPīPμCḡP°C†C-C— C,CḡP°PSCḡPīP»P°PSC,P°C†C-C— PSPēCḡPePē, P° C,P°PePsPḡ PīP°C†C-C''PSC,P°Pj C-P· PīPsCḡCḡC€PμPSPSCḡPjPē C,,CḡPSPeC†C-C— PSPēCḡPsPe, PīPμC†C-PSPePē, PīPsCḡCḡC€PμPSPSCḡPjPē PeCḡPsPIPSC,PIPSCḡPμPSPSCḡ, P°CḡC,PsC-PjCḡPSPSPēPjPē P·P°C...PIPSCḡCḡPIP°PSPSCḡPjPē. PjCḡC- PīPμCḡPμCḡP°C...PsPIP°PSC- PīP°C,PsP»PsPiC-C†PSC- CḡC,P°PSPē PīCḡPē P·P°CḡC,PsCḡCḡPIP°PSPSC- P»C-P·PēPSPsPīCḡPēP»Cḡ PIPēPjP°PīP°CḡC,Cḡ PIC-PrPīPsPIC-PrPSPsPiPs PjPμPrPēC†PSPsPiPs PSP°PiP»CḡPrCḡ C,P° P»P°P±PsCḡP°C,PsCḡPSPsPiPs PePsPSC,CḡPsP»Cḡ.

PḡPsCḡC,P°P»CHPSPēPNḡ C- PjC-C,CḡP°P»CHPSPēPNḡ
CḡC,PμPSPsP·Pē/PiC-PīPμCḡC,CḡPsC,,C-C†PSP° PeP°CḡPrC-PsPjC-PsPīP°C,C-Cḡ.

PīPe C- C-PSC€C- C-PSPiC-P±C-C,PsCḡPē PḡPμPḡ, P»C-P·PēPSPsPīCḡPēP» CḡP»C-Pr PīCḡPēP·PSP°C†P°C,Pē P· PsP±PμCḡPμPḡPSC-CḡC,Cḡ PīP°C†C-C''PSC,P°Pj P· PjC-C,CḡP°P»CHPSPēPj CḡC,PμPSPsP·PsPj P°P±Ps CḡC,CḡCḡPrPSPμPSPSCḡPj PIPēPePēPrCḡ P· P»C-PIPsPiPs C€P»CḡPSPsC†PeP° (PSP°PīCḡPēPeP»P°Pr, PīCḡPē P°PsCḡC,P°P»CHPSPsPjCḡ CḡC,PμPSPsP·C- P°P±Ps PiC-PīPμCḡC,CḡPsC,,C-C†PSC-PNḡ PeP°CḡPrC-PsPjC-PsPīP°C,C-C—).

PμPsCḡCḡC€PμPSPSCḡ C,,CḡPSPeC†C-C— PSPēCḡPsPe.

PμCḡPē PSPēCḡPePsPIC-PNḡ PSPμPrPsCḡC,P°C,PSPsCḡC,C- (PeP»C-CḡPμPSCḡ PeCḡPμP°C,PēPSC-PSCḡ < 80 PjP»/C...PI), PīPsC†P°C,PePsPIP° PrPsP·P° P»C-P·PēPSPsPīCḡPēP»Cḡ PjP°C'' P±CḡC,Pē PIPēP·PSP°C†PμPSP° P·P°P»PμPḡPSPs PIC-Pr PeP»C-CḡPμPSCḡCḡ PeCḡPμP°C,PēPSC-PSCḡ PīP°C†C-C''PSC,P° (PrPēPI. C,P°P±P»PēC†Cḡ 1), P° PīPsC,C-Pj **ḡḡ** " P·P°P»PμPḡPSPs PIC-Pr CḡPμP°PeC†C-C— PīP°C†C-C''PSC,P° PSP° P»C-PeCḡPIP°PSPSCḡ. P CḡC,PēPSPSPēPNḡ PePsPSC,CḡPsP»CH PeP°P»C-Cḡ C- PeCḡPμP°C,PēPSC-PSCḡ C'' C†P°CḡC,PēPSPsCḡ PSPsCḡPjP°P»CHPSPsC— PjPμPrPēC†PSPsC— PīCḡP°PeC,PēPePē Cḡ C†PēC... PīP°C†C-C''PSC,C-PI.

Pj PīP°C†C-C''PSC,C-PI C-P· CḡPμCḡC†PμPIPSCḡ PSPμPrPsCḡC,P°C,PSC-CḡC,Cḡ PSP° PīPsC†P°C,PeCḡ P»C-PeCḡPIP°PSPSCḡ C-PSPiC-P±C-C,PsCḡP°PjPē PḡPμPḡ PjPsPḡPμ CḡPīPsCḡC,PμCḡC-PiP°C,PēCḡCḡ PīPsPiC-CḡC€PμPSPSCḡ C,,CḡPSPeC†C-C— PSPēCḡPsPe. Pj C,P°PePēC... CḡPēC,CḡP°C†C-CḡC... PsPīPēCḡP°PSC- PIPēPīP°PrPePē PiPsCḡC,CḡPsC— PSPēCḡPePsPIPSC— PSPμPrPsCḡC,P°C,PSPsCḡC,C-, P·P°P·PIPēC†P°PNḡ PsP±PsCḡPsC,PSPsC—. Pj PrPμCḡPePēC... PīP°C†C-C''PSC,C-PI P·C- P·PICḡPḡPμPSPSCḡPj PsP±PsC... PSPēCḡPePsPIPēC... P°CḡC,PμCḡC-PNḡ P°P±Ps P·C- CḡC,PμPSPsP·PsPj P°CḡC,PμCḡC-C— C''PrPēPSPsC— PSPēCḡPePē C-PSPiC-P±C-C,PsCḡPē PḡPμPḡ PiC-PrPIPēC%oCḡCḡC,Cḡ CḡC-PIPμPSCḡ CḡPμC†PsPIPēPSPē PI PeCḡPsPIC- C- PeCḡPμP°C,PēPSC-PSCḡ PI CḡPēCḡPsPIP°C,C†C-

PeCḡPsPIC-; P·P°P·PIPëC†P°PNë C†C- P·PjC-PSPë PïCḡPsC...PsPrCḡC,CH PïC-CḡP»Cḡ
PïCḡPëPïPëPSPµPSPSCḡ PïCḡPëPNëPsPjCḡ PïCḡPµPïP°CḡP°C,C-PI. P'°C-CḡPsPiC-PrPSC-CḡC,CH
C†CHPsPiPs PsCḡPsP±P»PëPIPs PIPëCḡPsPeP° PïCḡPë PSPëCḡPePsPIC-PNë
PSPµPrPsCḡC,P°C,PSPsCḡC,C-.

PµCḡPë PSP°CḡPIPSPsCḡC,C- CḡPµPSPsPIP°CḡPeCḡP»CḡCḡPSPsC— PiC-PïPµCḡC,PµPSP·C-C—
PIPëCḡPsPePëPNë CḡPëP·PëPe CḡPsP·PIPëC,PeCḡ C,CḡP¶PePsC— P°CḡC,PµCḡC-P°P»CHPsPsC—
PiC-PïPsC,PµPSP·C-C— C- PSPëCḡPePsPIPsC— PSPµPrPsCḡC,P°C,PSPsCḡC,C-. PJ C,P°PePëC...
PïP°C†C-C°PSC,C-PI P»C-PeCḡPIP°PSPSCḡ CḡP»C-Pr CḡPsP·PïPsC†PëPSP°C,Pë PïC-Pr
CḡPµC,PµP»CHPsPëPj PjPµPrPëC†PSPëPj CḡPïPsCḡC,PµCḡPµP¶PµPSPSCḡPj P· PjP°P»PëC...
PrPsP·, CḡPeC- PjP°CḡC,CH P±CḡC,Pë C,PsC†PSPs PïC-PrC-P±CḡP°PSC-. PhCḡPeC-P»CHPePë
PrC-CḡCḡPµC,PëPePë PjPsP¶CḡC,CH PIPSPµCḡC,Pë PIPeP»P°Pr PI PsPïPëCḡP°PSCḡ PIPëC%Pµ
PeP»C-PSC-C†PSCḡ PrPëPSP°PjC-PeCḡ, PIPïCḡPsPrPsPIP¶ PïPµCḡC€PëC... C,PëP¶PSC-PI
P»C-PeCḡPIP°PSPSCḡ P»C-P·PëPSPsPïCḡPëP»PsPj C—C... PïCḡPëPNëPsPj PjP°C° P±CḡC,Pë
PïCḡPëPïPëPSPµPSPëPNë, P° C„CḡPSPeC†C-Cḡ PSPëCḡPsPe PïPsC,CḡPµP±CḡC°
CḡPµC,PµP»CHPsPsPiPs CḡPïPsCḡC,PµCḡPµP¶PµPSPSCḡ.

PJ PrPµCḡPePëC... C...PIPsCḡPëC... PSP° P°CḡC,PµCḡC-P°P»CHPsCḡ PiC-PïPµCḡC,PµPSP·C-Cḡ
P±PµP· CḡPIPSPsPiPs P·P°C...PIPsCḡCḡPIP°PSPSCḡ CḡCḡPrPëPS PSPëCḡPsPe PïCḡPëPNëPsPj
P»C-P·PëPSPsPïCḡPëP»Cḡ, PsCḡPsP±P»PëPIPs PSP° C,P»C- PrC-CḡCḡPµC,PëPeC-PI,
P·CḡPjPsPIP»CḡC° PïC-PrPIPëC%PµPSPSCḡ CḡC-PIPSḡ CḡPµC†PsPIPëPSPë PI PeCḡPsPIC- C-
PeCḡPµP°C,PëPSC-PSCḡ PI CḡPëCḡPsPIP°C,C†C- PeCḡPsPIC-; C†C- P·PjC-PSPë, CḡPe
PïCḡP°PIPëP»Ps, P±CḡPIP°CḡC,CH PSPµP·PSP°C†PSPëPjPë C- CḡPePsCḡPsPjPëPSCḡC%PëPjPë.
P'°C-CḡPsPiC-PrPSC-CḡC,CH C—C... PIPëPSPëPePSPµPSPSCḡ PIPëC%P° Cḡ C...PIPsCḡPëC... P·
PïPsCḡCḡC€PµPSPSCḡPj C„CḡPSPeC†C-C— PSPëCḡPsPe. PJ C,P°PePëC... PIPëPïP°PrPeP°C...
PjPsP¶Pµ PIPëPSPëPePSCḡC,Pë PSPµPsP±C...C-PrPSC-CḡC,CH Cḡ P·PSPëP¶PµPSPSC- PrPsP·Pë
C- PïCḡPëPïPëPSPµPSPSC- PïCḡPëPNëPsPjCḡ PrC-CḡCḡPµC,PëPeP° C- P»C-P·PëPSPsPïCḡPëP»Cḡ.

P>C-PeCḡPIP°PSPSCḡ PiPsCḡC,CḡPsPiPs C-PSC„P°CḡPeC,Cḡ PjC-PsPeP°CḡPrP°
P»C-P·PëPSPsPïCḡPëP»PsPj PSPµ PïPsPeP°P·P°PSPµ PïP°C†C-C°PSC,P°Pj P· PsP·PSP°PeP°PjPë
PrPëCḡC„CḡPSPeC†C-C— PSPëCḡPsPe, PïCḡPë CḡPeC-PNë PIC-PrP·PSP°C†P°C°C,CHCḡCḡ
PïC-PrPIPëC%PµPSPëPNë CḡC-PIPSḡ PeCḡPµP°C,PëPSC-PSCḡ Cḡ CḡPëCḡPsPIP°C,C†C-
PeCḡPsPIC- 177 PjPePjPsP»CH/P» C,P°/P°P±Ps PïCḡPsC,PµC—PSCḡCḡC-Cḡ 500 PjPi/PrPsP±Cḡ.
PµCḡPë CḡPsP·PIPëC,PeCḡ PrPëCḡC„CḡPSPeC†C-C— PSPëCḡPsPe CḡPïCḡPsPrPsPIP¶
C,PµCḡP°PïC-C— P»C-P·PëPSPsPïCḡPëP»PsPj (PePsPSC†PµPSC,CḡP°C†C-Cḡ
PeCḡPµP°C,PëPSC-PSCḡ CḡPëCḡPsPIP°C,PePë PïPµCḡPµPIPëC%CḡC° 265 PjPePjPsP»CH/P»
P°P±Ps CḡPrPIC-C†C- PïC-PrPIPëC%PµPSPëPNë CḡC-PIPSḡ PeCḡPµP°C,PëPSC-PSCḡ Cḡ
CḡPëCḡPsPIP°C,C†C- PeCḡPsPIC- PïPsCḡC-PIPSḡPSPs P· PNëPsPiPs CḡC-PIPSµPj,
PIPëP·PSP°C†PµPSPëPj PrPs PïPsC†P°C,PeCḡ P»C-PeCḡPIP°PSPSCḡ) PïCḡPëPNëPsPj
PïCḡPµPïP°CḡP°C,Cḡ CḡP»C-Pr PïCḡPëPïPëPSPëC,Pë.

P°°C-PïPµCḡC†CḡC,P»PëPIC-CḡC,CH/P°PSPiC-PsPSPµPICḡPsC,PëC†PSPëPNë PSP°P±CḡCḡPe.
P°°CḡP¶Pµ CḡC-PrPePs PïPsPIC-PrPsPjP»CḡP»PsCḡCḡ PïCḡPs
P°PSPiC-PsPSPµPICḡPsC,PëC†PSPëPNë PSP°P±CḡCḡPe PsP±P»PëC†C†Cḡ, PeC-PSC†C-PIPsPe,
PiCḡP±, CḡP·PëPeP°, PiPsP»PsCḡPsPIPsC— C%°C-P»PëPSPë C,P°/P°P±Ps PiPsCḡC,P°PSC- Cḡ
PïP°C†C-C°PSC,C-PI, CḡPeC- PïCḡPsC...PsPrPëP»Pë P»C-PeCḡPIP°PSPSCḡ
C-PSPiC-P±C-C,PsCḡP°PjPë PhPµPα, Cḡ C,PsPjCḡ C†PëCḡP»C- P»C-P·PëPSPsPïCḡPëP»PsPj.
PhPSPiC-PsPSPµPICḡPsC,PëC†PSPëPNë PSP°P±CḡCḡPe PjPsP¶Pµ PIPëPSPëPePSCḡC,Pë PI
P±CḡPrCH-CḡPePëPNë C†P°Cḡ Cḡ PïPµCḡC-PsPr P»C-PeCḡPIP°PSPSCḡ. PJ C,P°PePëC...
PIPëPïP°PrPeP°C... PïCḡPëPNëPsPj PïCḡPµPïP°CḡP°C,Cḡ PSPµPsP±C...C-PrPSPs
C,PµCḡPjC-PSPsPIPs PïCḡPëPïPëPSPëC,Pë, CḡPsP·PïPsC†P°C,Pë PIC-PrPïPsPIC-PrPSCḡ
C,PµCḡP°PïC-Cḡ C- PICḡC,P°PSPsPIPëC,Pë CḡPïPsCḡC,PµCḡPµP¶PµPSPSCḡ P·P°

ΠῖΠ°C†C-C''PSC,PsPj PrPs P·P°P±PμP·ΠῖPμC‡PμPSPSC‡ ΠῖPsPIPSPsPiPs P·PSPëPePSPμPSPSC‡
C†PëPjPiC,PsPjC-PI. PκP°PIC-C,CH C† PIPëΠῖP°PrPeP°C..., PePsP»Pë PSP°P±C‡C‡Pe
P»PsPeP°P»C-P·PsPIP°PSPs C,C-P»CHPePë PI PrC-P»C‡PSC†C- C‡P·PëPeP° C- PSPμ
ΠῖC‡PëP·PiPsPrPëC,CH PrPs ΠῖPsC‡C†C€PμPSPSC‡ PrPëC...P°PSPSC‡, ΠῖP°C†C-C''PSC,
PjPsP¶Pμ ΠῖPsC,C‡PμP±C†PIP°C,Pë C,C‡PëΠῖP°P»PsPiPs C†PiPsC†C,PμC‡PμP¶PμPSPSC‡,
PsC†PeC-P»CHPePë C,PμC‡P°PiC-C‡ P°PSC,PëPiC-C†C,P°PjC-PSPSPëPjPë P·P°C†PsP±P°PjPë
C,P° PePsC‡C,PëPePsC†C,PμC‡PsC—PrP°PjPë PjPsP¶Pμ PIPëC‡PIPeC,PëC†C‡
PSPμPrPsC†C,P°C,PSCHPsC‡.

P—P°C‡PμC''C†C,C‡PsPIP°PSC- ΠῖPsPsPrPëPSPsPeC- P»PμC,P°P»CHPSC- PIPëΠῖP°PrPePë
PIPSP°C†P»C-PrPsPe P°PSPiC-PsPSPμPIC‡PsC,PëC‡PSPsPiPs PSP°P±C‡C‡PeC† PiPsC‡C,P°PSC-
P°P±Ps C‡P·PëPeP°. ΠῖPeC%Ps PSP°P±C‡C‡Pe ΠῖPsC€PëC‡C‡C''C,CHC†C‡C PSP° C‡P·PëPe,
PiPsP»PsC†PsPIC† C%oC-P»PëPSC† P°P±Ps PiPsC‡C,P°PSC‡, PjPsP¶Pμ
C‡PsP·PIPëPSC†C,PëC†C‡C PsP±C†C,C‡C†PeC,PëPIPSPμ ΠῖPsC‡C†C€PμPSPSC‡
PrPëC...P°PSPSC‡, PsC†PsP±P»PëPiPs C† ΠῖP°C†C-C''PSC,C-PI, C‡PeC- C‡P°PSC-C€Pμ
ΠῖPμC‡PμPSPμC†P»Pë C...C-C‡C†C‡PiC-C‡PSPμ PIC,C‡C†C‡P°PSPSC‡ PSP°
PrPëC...P°P»CHPSPëC... C€P»C‡C...P°C.... PJ C,P°PePëC... PIPëΠῖP°PrPeP°C... C†P»C-Pr
PSPμPiP°PμPSPs PIP¶PeC,Pë P·P°C...PsPrPë PSPμPIC-PrPeP»P°PrPSPsC— C,PμC‡P°PiC-C—,
C%oPs, P·PsPeC‡PμPjP°, PjPsP¶C†C,CH PIPeP»CHC‡P°C,Pë PIPiPμPrPμPSPSC‡
P°PrC‡PμPSP°P»C-PSC† C,P°/P°P±Ps P·P°P±PμP·ΠῖPμC‡PμPSPSC‡ ΠῖC‡PsC...C-PrPSPsC†C,C-
PrPëC...P°P»CHPSPëC... C€P»C‡C...C-PI. PμP°C†C-C''PSC, PjP°C'' ΠῖPμC‡PμP±C†PIP°C,Pë ΠῖC-Pr
C‡PμC,PμP»CHPSPëPj PjPμPrPëC‡PSPëPj PSP°PiP»C‡PrPsPj PrPs ΠῖPsPIPSPsPiPs C-
C†C,C-PNëPePsPiPs P·PSPëPePSPμPSPSC‡ C†PëPjPiC,PsPjC-PI.

PJ ΠῖP°C†C-C''PSC,C-PI, C‡PeC- PjP°C‡C,CH PI P°PSP°PjPSPμP·C-
P°PSPiC-PsPSPμPIC‡PsC,PëC‡PSPëPNë PSP°P±C‡C‡Pe, PSPμ ΠῖPsPiB‡™ C‡P·P°PSPëPNë C-P·
P·P°C†C,PsC†C†PIP°PSPSC‡Pj C-PSPiC-P±C-C,PsC‡P° P‡PμPα, PjPsP¶Pμ P±C†C,Pë
PiC-PrPIPëC%oPμPSPëPNë C‡PëP·PëPe C‡PsP·PIPëC,PeC† P°PSPiC-PsPSPμPIC‡PsC,PëC‡PSPsPiPs
PSP°P±C‡C‡PeC† C† PIC-PrΠῖPsPIC-PrCH PSP° P·P°C†C,PsC†C†PIP°PSPSC‡
ΠῖC‡PμΠῖP°C‡P°C,C-PI PrP°PSPsC— ΠῖC‡C†PiPë.

P†PSPiC-P±C-C,PsC‡Pë P‡PμPα PjPsP¶C†C,CH C†PiC‡PëC‡PëPSPëC,Pë P±C-P»CHC€Pμ
PIPëΠῖP°PrPeC-PI P°PSPiC-PsPSPμPIC‡PsC,PëC‡PSPsPiPs PSP°P±C‡C‡PeC† C†
ΠῖP°C†C-C''PSC,C-PI PSPμPiC‡PsC—PrPSPsC— C‡P°C†Pë, PSC-P¶ C† ΠῖP°C†C-C''PSC,C-PI
C''PIC‡PsΠῖPμPsC—PrPSPsC— C‡P°C†Pë.

P‡PrPSPsC‡P°C†PSPμ P·P°C†C,PsC†C†PIP°PSPSC‡ C-PSPiC-P±C-C,PsC‡C-PI P‡PμPα P·C-
C†P°PeC†P±C-C,C‡PëP»PsPj/PIP°P»C†P°C‡C,P°PSPsPj ΠῖC‡PsC,PëΠῖPsPeP°P·P°PSPμ
C‡PμC‡PμP· ΠῖC-PrPIPëC%oPμPSPëPNë C‡PëP·PëPe C‡PsP·PIPëC,PeC†
P°PSPiC-PsPSPμPIC‡PsC,PëC‡PSPsPiPs PSP°P±C‡C‡PeC†. P>C-PeC†PIP°PSPSC‡
C†P°PeC†P±C-C,C‡PëP»PsPj/PIP°P»C†P°C‡C,P°PSPsPj PjPsP¶PSP° ΠῖPsC‡PëPSP°C,Pë P»PëC€Pμ
C‡PμC‡PμP· 36 ΠῖPsPrPëPS ΠῖC-C†P»C‡ ΠῖC‡PëPNëPsPjC† PsC†C,P°PSPSCHPsC— PrPsP·Pë
P»C-PeP°C‡C†CHPePsPiPs P·P°C†PsP±C† P>C-P·PëPSPsPiC‡PëP»-P‡C†C,C‡P°C,,P°C‡Pj.
P—P°C†C,PsC†C†PIP°PSPSC‡ P»C-PeP°C‡C†CHPePsPiPs P·P°C†PsP±C† P>C-P·PëPSPsPiC‡PëP»-
P‡C†C,C‡P°C,,P°C‡Pj PjPsP¶PSP° ΠῖPsC‡PëPSP°C,Pë P»PëC€Pμ C‡PμC‡PμP· 36 ΠῖPsPrPëPS
ΠῖC-C†P»C‡ ΠῖC‡PëPNëPsPjC† PsC†C,P°PSPSCHPsC— PrPsP·Pë
C†P°PeC†P±C-C,C‡PëP»C†/PIP°P»C†P°C‡C,P°PSC†.

P‡PrPSPsC‡P°C†PSPμ P·P°C†C,PsC†C†PIP°PSPSC‡ C-PSPiC-P±C-C,PsC‡C-PI P‡PμPα P·
C‡P°C†PμPeP°PrPsC,C‡PëP»PsPj, C-PSPiC-P±C-C,PsC‡P°PjPë mTOR (PSP°ΠῖC‡PëPeP»P°Pr,
C†PëC‡PsP»C-PjC†C†PsPj, PμPIPμC‡PsP»C-PjC†C†PsPj, C,PμPjC†PëC‡PsP»C-PjC†C†PsPj)
P°P±Ps PIC-P»PrP°PiP»C-ΠῖC,PëPSPsPj PjPsP¶Pμ ΠῖC‡PëP·PIPμC†C,Pë PrPs

РiС-РrРiРiРeС%PμPSPSCЦ ЧjРeР·РeРeСr ЧjPsP·РiРeС,РeСr
P°PSPiC-PsPSPμPICЧjPsC,РeC±PSPsPiPs PSp°P±ЧjCЦPeCр (PSP°PіЧjРeРeР»P°Pr,
PSP°P±ЧjCЦPeCр PrРeC...P°P»ЧHPSРeC... CєP»CЦC...C-PI P°P±Ps CЦP·РeРeР° P· P°P±Ps
P±PμP· PіPsЧjCрCєPμPSPSCЦ PrРeC...P°PSPSCЦ) (PrРePi. ЧjPsP·PrC-P» B«P'P·P°C"РjPsPrC-CЦ
P· C-PSCєРeРjРe P»C-РeР°ЧjCГЧHРeРeРjРe P·P°CГPsP±P°РjРe C,P° C-PSCєC- РiРePrРe
РiР·P°C"РjPsPrC-PNєB»). PкPμPsP±C...C-PrPSPs РiРeCЦPIP»CЦC,Рe PsP±PμЧjPμP¶PSC-CГC,ЧH
PSP° PіPsC±P°C,РeCр P·P°CГC,PsCГCрPIP°PSPSCЦ ЧjP°C†PμPeP°PrPsC,ЧjРeР»Cр,
C-PSPiC-P±C-C,PsЧjC-PI mTOR (PSP°PіЧjРeРeР»P°Pr, CГPєЧjPsP»C-РjCрCГCр,
PμPIPμЧjPsP»C-РjCрCГCр, C,PμPjCГPєЧjPsP»C-РjCрCГCр) C- PIC-P»PrP°PiP»C-PіC,РePSCр
PіP°C†C-C"PSC,P°Pj, CЦPeC- РiP¶Pμ PіЧjРePNєPjP°ЧHC,ЧH C-PSPiC-P±C-C,PsЧj РhPμPα.

P"РμРjPsPrC-P°P»C-P.

РμЧjРe PіЧjРeР·PSP°C†PμPSPSC- PіЧjPμPіP°ЧjP°C,Cр PI CрPjPsPIP°C... PrC-P°P»C-P·Cр P·
PіPsP»C-P°PeЧjРeР»PIC-PSC-P»PsPіPsЧ PjPμPjP±ЧjP°PSPsЧ PjPsP¶P»PєPіPєPNє
ЧjPsP·РiРeC,PsPe P°PSP°C,,C-P»P°PeC,РeC±PSPeC... ЧjPμP°PeC†C-PNє.
P PμPePsPjPμPSPрCрC",ЧHCГCЦ PIPeРePsЧjРeCГC,P°PSPSCЦ PjPμPjP±ЧjP°PS C-PSCєPsPiPs
C,РePіCр PrP»CЦ PіЧjPsPіPμPrPμPSPSCЦ PrC-P°P»C-P·Cр P°P±Ps P·P°CГC,PsCГCрPIP°PSPSCЦ
P»C-РeР°ЧjCГЧHРeРeC... P·P°CГPsP±C-PI C-PSCєРeC... PіЧjCрPі PrP»CЦ
P»C-РeCрPIP°PSPSCЦ PіP°C†C-C"PSC,C-PI P· P°ЧjC,PμЧjC-P°P»ЧHPSРsЧ
PiC-PіPμЧjC,PμPSP·C-C"ЧH.

РhPSP°C,,C-P»P°PeC,PsC—PrPSC- ЧjPμP°PeC†C-C— PіЧjРe P>PμPкPμ-P°C,,PμЧjPμP·C-.

PhCГPeC-P»ЧHРeРe PіЧjРe P°C,,PμЧjPμP·C- P>PμPкPμ P· CГCрP»ЧHC,,P°C,PsPj
PrPμPeCГC,ЧjP°PSCр P·P°CГC,PsCГCрPIP°PSPSCЦ C-PSPiC-P±C-C,PsЧjC-PI РhPμPα PjPsP¶Pμ
PіЧjРeР·PіPμCГC,Рe PrPs ЧjPsP·РiРeC,РeCр P°PSP°C,,C-P»P°PeC,РeC±PSPeC...
ЧjPμP°PeC†C-PNє, CЦPeC- PjPsP¶CрC,ЧH PіЧjPμPrCГC,P°PIP»CЦC,Рe P·P°PіЧjPsP·Cр PrP»CЦ
P¶PєC,C,CЦ, CГP»C-Pr C,РePjC±P°CГPsPіPs PIC-PrPjC-PSPeC,Рe C-PSPiC-P±C-C,PsЧjРe РhPμPα
PіPμЧjPμPr PePsP¶PSPєPj P°C,,PμЧjPμP·PsPj.

P"РμCГPμPSCГPєP±C-P»C-P·P°C†C-CЦ.

Pj PіP°C†C-C"PSC,C-PI, CЦPeC- PіЧjРePNєPjP°ЧHC,ЧH C-PSPiC-P±C-C,PsЧjРe РhPμPα PіC-Pr
C±P°CГ PrPμCГPμPSCГPєP±C-P»C-P·CрЧHC±PsC— C,PμЧjP°PіC-C— (PSP°PіЧjРeРeР»P°Pr, PrPs
PsC,ЧjCрC,Рe PіPμЧjPμC,РePSC±P°CГC,PsPeЧjРeР»PєC...), ЧjPsP·РiРePіP°ЧHC,ЧHCГCЦ
C,ЧjРePіP°P»C- P°PSP°C,,C-P»P°PeC,PsC—PrPSC- ЧjPμP°PeC†C-C—. PіPeC%Ps C,P°PeC-
PіP°C†C-C"PSC,Рe CрC,ЧjРeРjCрPіP°P»PєCГCЦ PIC-Pr PіЧjРePNєPsPjCр
C-PSPiC-P±C-C,PsЧjC-PI РhPμPα PSP° C±P°CГ PrPμCГPμPSCГPєP±C-P»C-P·P°C†C-C—,
ЧjPμP°PeC†C-PNє PSPμ CГPіPsCГC,PμЧjC-PіP°P»PsCГCЦ, PіЧjPsC,Pμ PIPePіP°PrPePsPіPμ
PіPіPμPrPμPSPSCЦ РhPμPα PіЧjPsPіPsPeCрPіP°P»Ps P°PSP°C,,C-P»P°PeC,PsC—PrPSCр
ЧjPμP°PeC†C-ЧH.

PμPμC±C-PSPePsPIP° PSPμPrPsCГC,P°C,PSC-CГC,ЧH.

P— PіЧjРePNєPsPjPsPj C-PSPiC-P±C-C,PsЧjC-PI РhPμPα PіPsPіBґ™ CЦP·CрЧHC,ЧH
ЧjPsP·РiРeC,PsPe ЧjC-PrPeC-CГPSPsPiPs CГPєPSPрЧjPsPjCр, CЦPeРePNє
PіPsC±PєPSP°C"C,ЧHCГCЦ P· C...PsP»PμCГC,P°C,РeC±PSPsC— P¶PsPIC,CЦPSPeC†C- P°P±Ps
PіPμPіP°C,РeC,Cр C- PіPμЧjPμC...PsPrРeC,ЧH Cр P±P»PєCГPeP°PіPєC±PSPєPNє PSPμPeЧjPsP·
PіPμC±C-PSPeРe, C-PSPsPrC- P· P»PμC,P°P»ЧHPSРeРj PSP°CГP»C-PrPePsPj. PhPμC...P°PSC-P·Pj
ЧjPsP·РiРeC,РeCр C†ЧHPsPiPs CГPєPSPрЧjPsPjCр PSPμP·ЧjPsP·CрPjC-P»PєPNє. PіPeC%Ps Cр
PіP°C†C-C"PSC,C-PI, CЦPeC- PіЧjРePNєPjP°ЧHC,ЧH P»C-P·PєPSPsPіЧjРeР»,

P C-PIPμPSCн PεP°P»C-CH Cз CГPёCHPsPIP°C,C†C- PεCHPsPIC-.
РμPsPIC-PrPsPjP»CΠP»PsCГCΠ PиCHPs PεC-P»CHPεP° PIPёP°P†PεC-PI
PиC-PrPIPёC%oPuPSPSCΠ CHC-PIPSCΠ PεP°P»C-CH Cр CГPёCHPsPIP°C,C†C- PεCHPsPIC-

PIP°CTC-C" PSC, C-PI, CИPеC- PиCTH PсC... PsPrPëP»Pë C, PмCTH P°PиC-CTH
 C-PSPiC-P±C-C, PsCTH P°PjPë PһPиPα, PIPeP»CTH C±P°CTH C±Pë P»C-P·PëPSPsPиCTH PëP».
 PŸPмCTH PмPr PиP°CTC-C" PSC, C-PI, CИPеC- PjP°CTH C, CH PIPëCTPсPеPëP№ CTH PëP·PëPе
 CTH PsP·PIPëC, PеCр PиC-PиPмCTH PеP°P»C-C" PjC-C—, C" PиP°CTC-C" PSC, Pë P·PSPëCTH PеPsPIPсCTH
 PSPмPrPsCTC, P°C, PSC-CTC, CT CтCрPеCTH PsPIPëPj PrC-P°P±PмC, PsPj,
 PиC-PиPsP°P»CHPrPsCTC, PмCTH PsPSC-P·PjPsPj. PтPSPiC-P±C-C, PsCTH Pë PһPиPα PjPsP¶CTC, CH
 CT PиCTH PëC±PëPSPëC, Pë PиC-PиPмCTH PеP°P»C-C" PjC-CTH, PsCTPеC-P»CHPePë PIPsPSPë
 PиCTH PëPиPSC-C±CTCTH C, CH PIPëPIC-P»CH PSPмPSPSCИ P°P»CHPrPsCTC, PмCTH PsPSCр. P|PмP№
 PмC,, PмPеC, P·P°P·PIPëC±P°P№ PSPмP·PSP°C±PSPëP№ Cр PиP°CTC-C" PSC, C-PI P·
 PSPсCTH PjP°P»CH PSPсCTH C,, CрPSPеCтC-C"CTH PSPëCTH PsPе. PмCTH PsC, Pм Cр PиP°CTC-C" PSC, C-PI
 C-P·PиPsCTH CрCеPмPSPSCИPjPë C,, CрPSPеCтC-C— PSPëCTH PsPе C, P°/P°P±Ps Cр
 PиP°CTC-C" PSC, C-PI, CИPеC- PиCTH PëP№PjP°CTH C, CH C...P°CTH C±PsPIC- PrPsP±P°PIPеPë, C%Ps
 PjC-CTC, CИC, CH PеP°P»C-P№ (Cр C, PsPjCр C±PëCTP»C- P·P°PjC-PSPSPëPePë CT PсP»C-),
 PеP°P»C-P№P·P±PмCTH C-PиP°CTH C±C- PrC-CрCTH PмC, PëPePë, C-PSCеC- PиCTH PмPиP°CTH P°C, Pë,
 C%Ps PиC-PrPIPëC%CrCTH C, CH CTH C-PIPмPSCH PеP°P»C-CTH Cр CT PëCTH PsPIP°C, CтC-
 PеCTH PsPIC- (PSP°PиCTH PëPeP»P°Pr, PиPмPиP°CTH PëPS, C, CTH PëPjPмC, PsPиCTH PëPj P°P±Ps PеPs-
 C, CTH PëPjPsPеCTP°P·PsP», C, P°PеPsP¶ PIC-PrPsPjPëP№ CИPе
 C, CTH PëPjPмC, PsPиCTH PëPj/CT CрP»CH C,, P°PjPмC, PsPеCTP°P·PsP») C- PsCTPсP±P»PëPIPs
 P°PSC, P°PиPsPSC-CTC, Pë P°P»CHPrPsCTC, PмCTH PsPSCр P°P±Ps P±P»PsPеP°C, PsCTH Pë
 CTH PмCтPмPиC, PsCTH C-PI P°PSPиC-PсC, PмPSP·PëPSCр, PjPsP¶Pм PIPëPSPëPePSCрC, Pë
 PиC-PиPмCTH PеP°P»C-C" PjC-CИ. PкPмPsP±C...C-PrPSPs PIPëCИPIP»CИC, Pë
 PsP±PмCTH PмP¶PSC-CTC, CH PиCTH Pë P·P°CTC, PsCTCрPIP°PSPSC-
 PеP°P»C-P№P·P±PмCTH C-PиP°CTH C±PëC... PrC-CрCTH PмC, PëPeC-PI C- P±P»PsPеP°C, PsCTH C-PI
 CTH PмCтPмPиC, PsCTH C-PI P°PSPиC-PсC, PмPSP·PëPSCр PиP°CTC-C" PSC, P°Pj, CИPеC-
 PиCTH PëP№PjP°CTH C, CH C-PSPiC-P±C-C, PsCTH Pë PһPиPα. Pj C, P°PеPëC... PиP°CTC-C" PSC, C-PI
 CT P»C-Pr PеPsPSC, CTH PsP»CTH PIP°C, Pë CTH C-PIPмPSCH PеP°P»C-CTH PI CT PëCTH PsPIP°C, CтC-
 PеCTH PsPIC- C, P° C,, CрPSPеCтC-CTH PSPëCTH PsPе (PrPëPI. CTH PsP·PrC-P» B«P·P°C" PjPsPrC-CИ P·
 C-PSCеPëPjPë P»C-PеP°CTH CTCTH PëPëPjPë P·P°CTPсP±P°PjPë C, P° C-PSCеC- PIPëPrPë
 PIP·P°C" PjPsPrC-P№B»).

PИPеC%Ps PsPrPSPсC±P°CTPSPм P·P°CTC, PsCTCрPIP°PSPSCИ PIPëC%PмP·PиP°PrP°PSPëC...
 PиCTH PмPиP°CTH P°C, C-PI P·P»C-P·PëPSPsPиCTH PëP»PsPj PИPIP°P¶P°C"C, CH CTCTC P·P°
 PrPsCTC-P»CH PSPм, CTH PмPеPsPjPмPSPрCTC"C, CH CTCTC CTH PмPиCрP»CИCTH PSPëP№
 PеPsPSC, CTH PsP»CH CTH C-PIPSCИ PеP°P»C-CTH Cр CT PëCTH PsPIP°C, CтC- PеCTH PsPIC-.

P"C-PиPмCTH PеP°P»C-C" PjC-CИ.

Pj PrPмCИPеPëC... PиP°CTC-C" PSC, C-PI, CИPеC- PиCTH PëP№PjP°CTH C, CH C-PSPiC-P±C-C, PsCTH Pë
 PһPиPα, Cр C,. C±. P»C-P·PëPSPsPиCTH PëP», CT PиPsCTC, PмCTH C-PиP°C"C, CH CTCTC
 PиC-PrPIPëC%PмPSPSCИ CTH C-PIPSCИ PеP°P»C-CTH PI CT PëCTH PsPIP°C, CтC- PеCTH PsPIC-. P"Ps
 PиCTH CрPиPë CTH PëP·PëPеCр CTH PsP·PIPëC, PеCр PиC-PиPмCTH PеP°P»C-C" PjC-C—
 PIC-PrPSPсCTCИC, CH CTCTC PиP°CTC-C" PSC, Pë P·PSPëCTH PеPsPIPсCTH
 PSPмPrPsCTC, P°C, PSC-CTC, CT P°P±Ps CтCрPеCTH PsPIPëPj PrC-P°P±PмC, PsPj, CИPеC-
 PиCTH PëP№PjP°CTH C, CH PеP°P»C-P№P·P±PмCTH C-PиP°CTH C±C- PrC-CрCTH PмC, PëPePë, P°P±Ps
 PеP°P»C-P№PIPjC-CTPSC- P·P°PjC-PSPSPëPePë CT PсP»C-, P° C, P°PеPsP¶ C, C-
 PиP°CTC-C" PSC, Pë, CИPеC- PиCTH PëP№PjP°CTH C, CH C-PSCеC- P»C-PеP°CTH CTCTH PеC-
 P·P°CTPсP±Pë, C%Ps PиC-PrPIPëC%CrCTH C, CH CTH C-PIPмPSCH PеP°P»C-CTH PI
 CT PëCTH PsPIP°C, CтC- PеCTH PsPIC- (PSP°PиCTH PëPeP»P°Pr, PиPмPиP°CTH PëPS).

PИPеC%Ps PиCTH PëP№PsPj P·P°P·PSP°C±PмPSPëC... PIPëC%Pм PиCTH PмPиP°CTH P°C, C-PI PSP°
 C, P»C- P»C-PеCрPIP°PSPSCИ C-PSPiC-P±C-C, PsCTH PsPj PһPиPα PIPëP·PSP°C"C, CH CTCTC
 PSPмPsP±C...C-PrPSPëPj, CTH PмPеPsPjPмPSPрCTC"C, CH CTCTC CTH PмPиCрP»CИCTH PSPëP№

PePsPSC,CTjPsP»CH CjC-PIPsCj PeP°P»C-CT PI CTjPeCTjPsPIP°C,C†C- PeCTjPsPIC-.

PμP°C†C-C''PSC,Pë, C...PIPsCTjC-B PSP° C†CzPeCTjPsPIPëPNë PrC-P°P±PμC,,.

PμP°C†C-C''PSC,P°Pj, C...PIPsCTjPëPj PSP° C†C†PeCTjPsPIPëPNë PrC-P°P±PμC,, CjPeC-
PiCTjPëPNëPjP°CTC,CH PiC-PiPsPiP»C-PePμPjC-C†PSC- P·P°CTjPsP±Pë P°P±Ps C-PSC†C†P»C-PS,
PSPμPsP±C...C-PrPSPs CTjPμC,PμP»CHPSPs PePsPSC,CTjPsP»CTjPIP°C,Pë CTjC-PIPμPSCH
PiP»CTjPePsP·Pë PI PeCTjPsPIC- C†PiCTjPsPrPsPIP¶ PiPμCTjC€PsPiPs PjC-C†CjC†Cj
P»C-PeC†PIP°PSPSCj C-PSPiC-P±C-C,PSCjPsPj PhPμPα.

P>C-C,C-PNë.

P—P°P·PIPëC†P°PNë PSPμ CTjPμPePsPjPμPSPrC†C"C,CHC†Cj PiPsC"PrPSC†PIP°C,Pë
PiCTjPëPNëPsPj P»C-C,C-CT C- P»C-P·PëPSPsPiCTjPëP»C†.

P P°CTjPsPIP° PiCTjPëPSP°P»PμP¶PSC-C†C,CH.

P†PSPiC-P±C-C,PSCjPë PhPμPα C†P°CTjC,C-C€Pμ C†PiCTjPëC†PëPSCjCTC,CH
CTjPsP·PIPëC,PsPe P°PSPiC-PsPSPμPICjPsC,PëC†PSPsPiPs PSP°P±CTjCjPeC† C†
PiP°C†C-C''PSC,C-PI PSPμPiCTjPsC—PrPSPsC— CTjP°CTjPë PiPsCTjC-PIPsCjPSPs P·
PiP°C†C-C''PSC,P°PjPë C-PSC€PsC— CTjP°CTjPsPiPsC— PiCTjPëPSP°P»PμP¶PSPsC†C,C-. PjPe C-
C-PSC€C- C-PSPiC-P±C-C,PSCjPë PhPμPα, P»C-P·PëPSPsPiCTjPëP» PjPsP¶Pμ P±C†C,Pë
PjPμPSC€ PμC,,PμPeC,PëPIPSPëPj C† P·PSPëP¶PμPSPSC- P°CTjC,PμCTjC-P°P»CHPSPsPiPs
C,PëC†PeC† C† C†PsCTjPSPsC€PeC-CTjPëC... PiP°C†C-C''PSC,C-PI PiPsCTjC-PIPsCjPSPs P·
PsC†PsP±P°PjPë C-PSC€PëC... CTjP°CTj, PjPsP¶P»PëPIPs, PIPSP°CTjP»C-PrPsPe PIPëC%PsC—
C†P°CTjC,PsC,Pë PsC†C-P± P· PSPëP·CHPePëPj CTjC-PIPsPμPj CTjPμPSC-PSC† PI
PiPsPiC†P»CjC†C-C— C†PsCTjPSPsC€PeC-CTjPëC... PiP°C†C-C''PSC,C-PI P·
P°CTjC,PμCTjC-P°P»CHPSPsCT PiC-PiPμCTjC,PμPSP·C-C"CT.

PμPμCTjPIPëPSPSPëPNë PiC-PiPμCTjP°P»CHPrPsC†C,PμCTjPsPSC-P·Pj.

Pj PiP°C†C-C''PSC,C-PI, CjPeC- C†C,CTjP°P¶PrP°CTC,CH PSP° PiPμCTjPIPëPSPSPëPNë
P°P»CHPrPsC†C,PμCTjPsPSC-P·Pj, C-PSPiC-P±C-C,PSCjPë PhPμPα PSPμPμC,,PμPeC,PëPIPsC-,
C,PsPjC† P·P°CTjC,PsC†C†PIP°PSPSCj P»C-P·PëPSPsPiCTjPëP»C† PSPμ
CTjPμPePsPjPμPSPrC†C"C,CHC†Cj.

PμPsPrPIC-PNëPSP° P±P»PsPeP°PrP° P PhPjPj.

PμPsPIC-PrPsPjP»CjP»PsC†Cj, C%Ps C†C†PiC†C,PSC" P·P°CTjC,PsC†C†PIP°PSPSCj
C-PSPiC-P±C-C,PSCjC-PI PhPμPα, P±P»PsPeP°C,PsCTjC-PI CTjPμC†PμPiC,PsCTjC-PI
P°PSPiC-PsC,PμPSP·PëPSC† P†P† C†Pë P°P»C-C†PeC-CTjPμPSC† PiC-PrPIPëC%CrC" CTjPëP·PëPe
CTjPsP·PIPëC,PeC† P°CTjC,PμCTjC-P°P»CHPSPsC— PiC-PiPsC,PμPSP·C-C—,
PiC-PiPμCTjPeP°P»C-C"PiC-C—, PiPsCTjC†C€PμPSPSCj C,,C†PSPeC†C-C— PSPëCTjPsPe (C†
C,PsPjC† C†PëC†P»C- PiPsC†C,CTjPsC— PSPëCTjPePsPiPsC— PSPμPrPsC†C,P°C,PSPsC†C,C-).
PjP°PePëPj C†PëPSPsPj PiPsPrPIC-PNëPSP° P±P»PsPeP°PrP° P PhPjPj C€P»CjC...PsPj
C†C†PiC†C,PSCHPsPiPs P·P°CTjC,PsC†C†PIP°PSPSCj C-PSPiC-P±C-C,PSCjC-PI PhPμPα,
P±P»PsPeP°C,PsCTjC-PI CTjPμC†PμPiC,PsCTjC-PI P°PSPiC-PsC,PμPSP·PëPSC† P†P† C†Pë
P°P»C-C†PeC-CTjPμPSC† PSPμ CTjPμPePsPjPμPSPrPsPIP°PSP°.

PJ CḡP°P·C- P°P±CÍPsP»CḡC,PSPsC— PSPµPsP±C...C-PrPSPsCÍC,C- CÍ
P·P°CÍC,PscÍCÍPIP°PSPSC- C,PµCḡP°PíC-C— PíPsPrPIC-PM̄PSPsC— P±P»PsPeP°PrPë C—C—
CÍP»C-Pr P·PrC-PM̄CÍPSCḡPIP°C,Pë PíC-Pr PSP°PíP»CÍPrPsPj C,,P°C...C-PIC†CÍ C,P°
CḡPµPíCÍP»CÍCḡPSPs PíPµCḡPµPIC-CḡCÍC,Pë C,,CÍPSPeC†C-Cḡ PSPëCḡPsPe, CḡC-PIPSC-
PµP»PµPeC,CḡPsP»C-C,C-PI C,P° P°CḡC,PµCḡC-P°P»CḡPSPsPíPs C,PëCÍPeCÍ.
PµP°C†C-C”PSC,P°Pj P· PrC-P°P±PµC,PëC†PSPsCḡ PSPµC,,CḡPsPíP°C,C-C”Cḡ PSPµ
CḡPµPePsPjPµPSPrCÍC”C,CḡCÍCÍ PsPrPSPsC†P°CÍPSPs P·P°CÍC,PscÍPsPICÍPIP°C,Pë
C-PSPiC-P±C-C,PscḡPë PḡPµPḡ C,P° P±P»PsPeP°C,PscḡPë CḡPµC†PµPíC,PscḡC-PI
P°PSPiC-PsC,PµPSP·PëPSCÍ P†P†.

PµCḡPsC,PµC—PSC¿CḡC-CÍ. PµPsPIC-PrPsPjP»CÍP»PscÍCÍ PíCḡPs PíPsPsPrPëPSPsPeC-
PIPëPíP°PrPePë CḡPsP·PIPëC,PeCÍ PíCḡPsC,PµC—PSCÍCḡC-C— CÍ PíP°C†C-C”PSC,C-PI,
PscÍPsP±P»PëPIPs P·C- P·PSPëP¶PµPSPsCḡ C,,CÍPSPeC†C-C”Cḡ PSPëCḡPsPe P°P±Ps
PíC-CÍP»CÍ PíCḡPëPM̄PsPjCÍ PIPëCÍPsPePëC... PrPsP· P»C-P·PëPSPsPíCḡPëP»CÍ. PJ CḡP°P·C-
PeP»C-PSC-C†PSPs P·PSP°C†CÍC%PsC— PíCḡPsC,PµC—PSCÍCḡC-C— (PíPsPSP°Pr
1 Pí/PrPsP±CÍ) P»C-P·PëPSPsPíCḡPëP» CÍP»C-Pr P·P°CÍC,PscÍPsPICÍPIP°C,Pë C,C-P»CḡPePë
PíC-CÍP»CÍ Psc†C-PSPePë C,PµCḡP°PíPµPIC,PëC†PSPsC— PePsCḡPëCÍC,C- C,P°
PíPsC,PµPSC†C-PM̄PSPsPíPs CḡPëP·PëPeCÍ C- PíCḡPë PíPsCÍC,C-PM̄PSPsPjCÍ
PePsPSC,CḡPsP»C- PeP»C-PSC-C†PSPëC... C,P° P±C-PsC...C-PjC-C†PSPëC...
PíPsPeP°P·PSPëPeC-PI.

PµCḡPµPíP°CḡP°C, PjC-CÍC,PëC,Cḡ PjP°PSC-C,, CÍPePëPM̄ PjPsP¶Pµ CÍPíCḡPëC†PëPSPëC,Pë
PjBḡ™ CÍPeCÍ PíCḡPsPSPsCÍPSCÍ PrC-Cḡ.

*P—P°CÍC,PscÍC¿PIP°PSPSCÍ C¿ PíPµCḡC-PsPr PIP°PíC-C,PSPsCÍC,C- P°P±Ps
PíPsPrC¿PIP°PSPSCÍ PíCḡC¿PrPrCḡ.*

P’P°PíC-C,PSC-CÍC,Cḡ. P»C-PeP°CḡCÍCḡPePëPM̄ P·P°CÍC-P± PíCḡPsC,PëPíPsPeP°P·P°PSPëPM̄
PrP»CÍ P·P°CÍC,PscÍCÍPIP°PSPSCÍ PIP°PíC-C,PSPëPj C,P° P¶C-PSPeP°Pj, CÍPeC-
PíP»P°PSCÍCḡC,Cḡ PIP°PíC-C,PSC-CÍC,Cḡ. PíPeC%Ps PíC-Pr C†P°CÍ
P·P°CÍC,PscÍCÍPIP°PSPSCÍ PrP°PSPsPíPs P»C-PeP°CḡCÍCḡPePsPíPs P·P°CÍPsP±CÍ
PíC-PrC,PIPµCḡPrP¶CÍC”C,CḡCÍCÍ PIP°PíC-C,PSC-CÍC,Cḡ, PM̄PsPíPs
P·P°CÍC,PscÍCÍPIP°PSPSCÍ CÍP»C-Pr PSPµPíP°PM̄PSPs PíCḡPëPíPëPSPëC,Pë C-, CÍPeC%Ps
PSPµPsP±C...C-PrPSPs, P·P°PjC-PSPëC,Pë C-PSC€PëPj P»C-PeP°CḡCÍCḡPePëPj P·P°CÍPsP±PsPj,
PrPsP·PIPsP»PµPSPëPj PrPs P·P°CÍC,PscÍCÍPIP°PSPSCÍ PIP°PíC-C,PSPëPj.

P’C-PrPsPjPs, C%Ps C,CḡPëPIP°P»PëPM̄ PIPíP»PëPI C-PSPiC-P±C-C,PscḡC-PI PḡPµPḡ PíC-Pr
C†P°CÍ P†P† C,P° P†P†P† C,CḡPëPjPµCÍC,CḡC-PI PIP°PíC-C,PSPsCÍC,C- CÍC,PëPjCÍP»CḡC”
PíPsCÍPICÍ C,,PµC,Psc,PscPëCÍPëC†PSPsCÍC,C- (P·PSPëP¶PµPSPSCÍ PSPëCḡPePsPíPsC—
C,,CÍPSPeC†C-C—, PjP°P»PsPíPsPrPrCÍ, P·P°C,CḡPëPjPeCÍ PsPePsCÍC,PµPSC-PSPSCÍ
C†PµCḡPµPíP°) C,P° PSPµPsPSP°C,P°P»CḡPSPsC— C,PscPëCÍPëC†PSPsCÍC,C- (PSPëCḡPePsPIP°
PSPµPrPsCÍC,P°C,PSC-CÍC,Cḡ, P°CḡC,PµCḡC-P°P»CḡPSP° PíC-PíPsC,PµPSP·C-CÍ,
PíC-PíPµCḡPeP°P»C-C”PjC-CÍ). PJ CḡP°P·C- PIPíP»PëPICÍ C-PSPiC-P±C-C,PscḡC-PI PḡPµPḡ
PíC-Pr C†P°CÍ P†P† C,CḡPëPjPµCÍC,CḡCÍ PIP°PíC-C,PSPsCÍC,C-
CḡPµPePsPjPµPSPrCÍC”C,CḡCÍCÍ PePsPSC,CḡPsP»CḡPIP°C,Pë C,,CÍPSPeC†C-Cḡ PSPëCḡPsPe
C- PeC-CÍC,PePë C†PµCḡPµPíP° P·P° PrPsPíPsPjPsPíPsCḡ PJP—P”.

PḡPµPjPsPIP»CÍC,, PjP°C,PµCḡC- CÍPePëC... PíCḡPëPM̄PjP°P»Pë P»C-P·PëPSPsPíCḡPëP»,
CÍP»C-Pr CḡPµC,PµP»CḡPSPs PíPµCḡPµPIC-CḡCÍC,Pë PSP° PSP°CÍPIPSC-CÍC,Cḡ
P°CḡC,PµCḡC-P°P»CḡPSPsC— PíC-PíPsC,PµPSP·C-C—, PsP»C-PíCÍCḡC-C— C,P°

PiC-PiPμCḡPeP°P»C-C”PjC-C—.

P”PsPrCáPIP°PSPSCḡ PiCḡCáPrPrCḡ. PhCíPeC-P»CHPePë C-PSC,,PsCḡPjP°C†C-Cḡ C%PsPrPs PjPsPḡP»PëPIPsCíC,C- P·P°CíC,PsCíCíPIP°PSPSCḡ P»C-P·PëPSPsPiCḡPëP»Cí PiC-Pr C‡P°Cí PiPsPrCíPIP°PSPSCḡ PiCḡCíPrPrCḡ PIC-PrCíCíC,PSCḡ, PiCḡPëPNëPsPj P»C-P·PëPSPsPiCḡPëP»Cí PiC-Pr C‡P°Cí PiPsPrCíPIP°PSPSCḡ PiCḡCíPrPrCḡ PSPμ CḡPμPePsPjPμPSPPrCíC”C,CHCíCḡ. Pj C†PμPNë PiPμCḡC-PsPr P±P°PḡP°PSPs P·P°CíC,PsCíPsPICíPIP°C,Pë P°P»CHC,PμCḡPSP°C,PëPIPsPμ P»C-PeCíPIP°PSPSCḡ, PiCḡPsC,,C-P»CH P±PμP·PiPμPePë CḡPePsPiPs PeCḡP°C%Pμ PIPëPIC‡PμPSPëPNë, PsCíPsP±P»PëPIPs CḡPeC%Ps PIPëPiPsPrPsPICíCḡC,CH PSPsPIPsPSP°CḡPsPrPḡPμPSCí P°P±Ps PSPμPrPsPSPsCëPμPSCí PrPëC,PëPSCí.

P—PrP°C,PSC-CíC,CH PIPiP»PëPIP°C,Pë PSP° CëPIPëPrPeC-CíC,CH CḡPμP°PeC†C-C— PiCḡPë PePμCḡCáPIP°PSPSC- P°PIC,PsC,CḡP°PSCíPiPsCḡC,PsPj P°P±Ps C-PSCëPëPjPë PjPμC...P°PSC-P·PjP°PjPë.

P·CḡP°C...PsPICíCḡC‡Pë PjPsPḡP»PëPIC-CíC,CH PIPëPSPëPePSPμPSPSCḡ P·P°PiP°PjPsCḡPsC‡PμPSPSCḡ C,P° CḡPsP·PIPëC,PeCí PIC,PsPjP»CḡPIP°PSPsCíC,C-, P»C-P·PëPSPsPiCḡPëP» PjPsPḡPμ PIPiP»PëPSCíC,Pë PSP° P·PrP°C,PSC-CíC,CH PePμCḡCíPIP°C,Pë P°PIC,PsC,CḡP°PSCíPiPsCḡC,PsPj C,P° PiCḡP°C†CḡPIP°C,Pë P· C-PSCëPëPjPë PjPμC...P°PSC-P·PjP°PjPë, PsCíPsP±P»PëPIPs PSP° PiPsC‡P°C,PeCí P»C-PeCíPIP°PSPSCḡ. PÿPsPjCí CíP»C-Pr CíC,CḡPëPjP°C,PëCíCḡ PIC-Pr PePμCḡCíPIP°PSPSCḡ P°PIC,PsC,CḡP°PSCíPiPsCḡC,PsPj C,P° CḡPsP±PsC,Pë P· C-PSCëPëPjPë PjPμC...P°PSC-P·PjP°PjPë PrPs PICíC,P°PSPsPIP»PμPSPSCḡ C-PSPPrPëPIC-PrCíP°P»CHPSPsC— CḡPμP°PeC†C-C— PSP° PiCḡPμPiP°CḡP°C,.

PÿPiPsCíC-P± P·P°CíC,PsCíCáPIP°PSPSCḡ C,P° PrPsP·Pë.

PÿP°P±P»PμC,PePë PiCḡPëPNëPjP°CḡC,CH PIPSCíC,CḡC-CëPSCḡPs 1 CḡP°P· PSP° PrPsP±Cí, P±P°PḡP°PSPs PI PsPrPëPS C- C,PsPNë PḡPμ CíP°PjPëPNë C‡P°Cí, PSPμP·P°P»PμPḡPSPs PIC-Pr PiCḡPëPNëPsPjCí C—PḡC-. P”PsP±PsPICí PrPsP·Cí PiC-PrP±PëCḡP°CḡC,CH C-PSPPrPëPIC-PrCíP°P»CHPSPs P·P°P»PμPḡPSPs PIC-Pr CḡPμP°PeC†C-C— PiP°C†C-C”PSC,P° C,P° PiPsPeP°P·PSPëPeC-PI P°CḡC,PμCḡC-P°P»CHPSPsPiPs C,PëCíPeCí.

PḡCḡC,PμCḡC-P°P»CHPSP° PiC-PiPμCḡC,PμPSP·C-Cḡ.

PμCḡPμPiP°CḡP°C, P·P°CíC,PsCíPsPICíCḡC,CH CḡPe PjPsPSPsC,PμCḡP°PiC-Cḡ P°P±Ps Cí PePsPjP±C-PSP°C†C-C— P· C-PSCëPëPjPë PeP»P°CíP°PjPë P°PSC,PëPiC-PiPμCḡC,PμPSP·PëPIPsPëC... P·P°CíPsP±C-PI.

PμPsC‡P°C,PePsPIP° PrPsP·P°.

PμCḡPë P°CḡC,PμCḡC-P°P»CHPSC-PNë PiC-PiPμCḡC,PμPSP·C-C— CḡPμPePsPjPμPSPPrPsPIP°PSP° PiPsC‡P°C,PePsPIP° PrPsP·P° CíC,P°PSPsPIPëC,CH 10 PjPi PSP° PrPsP±Cí. Pj PiP°C†C-C”PSC,C-PI P· PiC-PrPIPëC%PμPSPsCḡ P°PeC,PëPIPsC-CíC,Cḡ CḡPμPSC-PS-P°PSPiC-PsC,PμPSP·PëPS-P°P»CHPrPsCíC,PμCḡPsPSPsPIPsC— CíPëCíC,PμPjPë (P·PsPeCḡPμPjP° PiCḡPë CḡPμPSPsPIP°CíPeCíP»CḡCḡPSiPNë PiC-PiPμCḡC,PμPSP·C-C—, PSP°PrPjC-CḡPSPsPjCí PIPëPIPsPrPμPSPSC- PSP°C,CḡC-Cḡ C...P»PsCḡPëPrCí P·

PsC₇PiP°PSC-P·PjC₇ C,P°/P°P±Ps PrPμPiC-PrC₇P°C,P°C†C-C—, C₇PμC₇C†PμPIPsC—
PrPμPePsPjPiPμPSC₇P°C†C-C—, P°P±Ps C₇PēP»CH₇PSPs PiPēC₇P°P¶PμPSPsC—
P°C₇C,PμC₇C-P°P»CH₇PSPsC— PiC-PiPμC₇C,PμPSP·C-C—), PjPsP¶Pμ C₇C,P°C,PēC₇C¶
PSP°PrPjC-C₇PSPμ P·PSPēP¶PμPSPSC¶ P°C₇C,PμC₇C-P°P»CH₇PSPsPiPs C,PēC₇PeC₇
PiC-C₇P»C¶ PiPsC†P°C,PePsPIPsC— PrPsP·Pē. PJ C†PēC... PiP°C†C-C°PSC,C-PI
C₇PμPePsPjPμPSPPrPsPIP°PSP° PiPsC†P°C,PePsPIP° PrPsP·P° C₇C,P°PSPsPiPēC,CH₇ 2,5-5 PjPi C-
PiPsC†P°C,PsPe P»C-PeC₇PIP°PSPSC¶ PjP°C° PIC-PrP±C₇PIP°C,PēC₇C¶ PiC-Pr
PSP°PiP»C¶PrPsPj P»C-PeP°C₇C¶.

P°P»C¶ PsC,C₇PēPjP°PSPSC¶ PrPsP·Pē 2,5 PjPi P·P°C₇C,PsC₇C₇PIP°C,Pē PiC₇PμPiP°C₇P°C, P·
PIC-PrPiPsPIC-PrPSPēPj PiPjC-C₇C,PsPj PrC-C₇C†PsC— C₇PμC†PsPIPēPSPē.

P°P»C¶ PiP°C†C-C°PSC,C-PI P· PSPēC₇PePsPIPsC₇ PSPμPrPsC₇C,P°C,PSC-C₇C,C₇ PrPsP·C₇
PSPμPsP±C...C-PrPSPs P·PjPμPSCēPēC,Pē (PrPēPI. C,P°P±P»PēC†C₇ 1).

PμC-PrC,C₇PēPjC₇C†C†P° PrPsP·P°.

P—PIPēC†P°PN₇PSP° PμC,,PμPeC,PēPIPSP° PiC-PrC,C₇PēPjC₇C†C†P° PrPsP·P°
C₇C,P°PSPsPiPēC,CH₇ 20 PjPi 1 C₇P°P· PSP° PrPsP±C₇. P₇PeC%₀₀Ps PiC₇PμPiP°C₇P°C, C₇
PiPeP°P·P°PSC-PN₇ PrPsP·C- PSPμ P·P°P±PμP·PiPμC†C₇C° PSP°P»PμP¶PSPsPiPs
C,PμC₇P°PiPμPIC,PēC†PSPsPiPs PμC,,PμPeC,C₇ PiC₇PsC,C¶PiPsPj 2-4 C,PēP¶PSC-PI, PrPsP·C₇
PjPsP¶PSP° C- PSP°PrP°P»C- P·P±C-P»CH₇CēPēC,Pē. P₇P°PeC₇PēPjP°P»CH₇PSP° PrPsP±PsPIP°
PrPsP·P° C₇C,P°PSPsPiPēC,CH₇ 80 PjPi PSP° PrPsP±C₇.

PμP°C†C-C°PSC,Pē, C¶PeC- PiC₇PēPN₇PjP°C₇C,CH₇ PrC-C₇C₇PμC,PēPePē.

PJ PiP°C†C-C°PSC,C-PI, C¶PeC- P·P°P·PrP°P»PμPiC-PrC₇ PsPrPμC₇P¶C₇C₇C,CH₇
PrC-C₇C₇PμC,PēC†PSC₇ C,PμC₇P°PiC-C₇, PiC-C₇P»C¶ PiC₇PēPN₇PsPjC₇ PiPμC₇CēPsC—
PrPsP·Pē P»C-P·PēPSPsPiC₇PēP»C₇ PjPsP¶P»PēPIPμ PiPēPSPēPePSPμPSPSC¶
C₇PēPjPiC,PsPjP°C,PēC†PSPsC— P°C₇C,PμC₇C-P°P»CH₇PSPsC— PiC-PiPsC,PμPSP·C-C—.
P»C-PeC₇PIP°PSPSC¶ PrC-C₇C₇PμC,PēPeP°PjPē C₇P»C-Pr PiC₇PēPiPēPSPēC,Pē P·P° 2-3 PrPSC-
PrPs PiPsC†P°C,PeC₇ P»C-PeC₇PIP°PSPSC¶ PiC₇PμPiP°C₇P°C,PsPj. P₇PeC%₀₀Ps
PSPμPjPsP¶P»PēPIPs PiC₇PēPiPēPSPēC,Pē P»C-PeC₇PIP°PSPSC¶ PrC-C₇C₇PμC,PēPeP°PjPē,
P»C-P·PēPSPsPiC₇PēP» C₇P»C-Pr PiC₇PēP·PSP°C†P°C,Pē C₇ PiPsC†P°C,PePsPIC-PN₇ PrPsP·C- 5
PjPi PSP° PrPsP±C₇. P₇P»C-Pr PePsPSC,C₇PsP»C₇PIP°C,Pē C,,C₇PSPeC†C-C₇ PSPēC₇PsPe C-
C₇C-PIPμPSC₇ PeP°P»C-C₇ C₇ C₇PēC₇PsPIP°C,C†C- PeC₇PsPIC-. PμPsPrP°P»CH₇CēC₇
PrPsP·C₇ PSPμPsP±C...C-PrPSPs PiC-PrP±PēC₇P°C,Pē P·P°P»PμP¶PSPs PIC-Pr
P°C₇C,PμC₇C-P°P»CH₇PSPsPiPs C,PēC₇PeC₇. PJ C₇P°P·C- PSPμPsP±C...C-PrPSPsC₇C,C-,
P»C-PeC₇PIP°PSPSC¶ PrC-C₇C₇PμC,PēPeP°PjPē PjPsP¶PSP° PIC-PrPSPsPiPēC,Pē.

PμP°C†C-C°PSC,PēB P· PSPēC₇PePsPIPsC₇ PSPμPrPsC₇C,P°C,PSC-C₇C,C₇.

P°P»C¶ PiP°C†C-C°PSC,C-PI P· PSPēC₇PePsPIPsC₇ PSPμPrPsC₇C,P°C,PSC-C₇C,C₇ PrPsP·Pē
PiPēP·PSP°C†P°C₇C,CH₇ P·P°P»PμP¶PSPs PIC-Pr P·PSP°C†PμPSPSC¶ PeP»C-C₇PμPSC₇C₇
PeC₇PμP°C,PēPSC-PSC₇, C¶Pe C†Pμ PiPsPeP°P·P°PSPs C₇ C,P°P±P»PēC†C- 1.

P₇P°P±P»PēC†C¶ 1

PrP»C-C ₇ PμPSC ₇ PeC ₇ PμP°C,PēPSC-PSC ₇ (PjPi/C...PI)	PμPsC†P°C,PePsPIP° PrPsP·P° (PjPi/PrPsP±C ₇)
< 10 (PiPeP»C ₇ C†P°C ₇ C†Pē C...PIPsC ₇ PēC..., C¶PeC- PiPμC ₇ PμP±C ₇ PIP°C ₇ C,CH ₇ PSP° PiPμPjPsPrC-P°P»C-P·C-)	2,5*

PyPμC₇P°PiC-C₇ P»C-P·PēPSPsPiC₇PēP»PsPj C₇P»C-Pr C₇PsP·PiPsC‡PēPSP°C,Pē Cr
PiPμC₇C€C- 24 PiPsPrPēPSPē P· PjPsPjPμPSC,Cr PiPsC₇PIPIē C₇PēPjPiC,PsPjC-PI
P·P°C...PIPsC₇C₇PIPI°PSPSC₇.

[illegible]

$P_{\mu}P^{\circ}C^{\dagger}C-C''PSC, P^{\circ}P_j C-P \cdot C^{\dagger}P\ddot{e}C^{\dagger}C, PsP \gg C-C^{\dagger}PSP\ddot{e}P_j P^{\circ}C^{\dagger}C, P_{\mu}C^{\dagger}C-P^{\circ}P \gg C^{\dagger}HPSP\ddot{e}P_j C, P\ddot{e}C^{\dagger}PePsP_j$
 (120 $P_jP_j C^{\dagger}C, \cdot C^{\dagger}C, \cdot P^{\circ}P \pm Ps PSP\ddot{e}P_{\parallel}C^{\dagger}P_{\mu}$) $C^{\dagger} PiP_{\mu}C^{\dagger}C\epsilon C- 3 PrPSC- \ddot{P}iC-C^{\dagger}P \gg C^{\dagger}P$
 $C-PSC, P^{\circ}C^{\dagger}PeC, C^{\dagger} P_jC-PsPeP^{\circ}C^{\dagger}PrP^{\circ} PiC^{\dagger}P\ddot{e}P \cdot PSP^{\circ}C^{\dagger}P^{\circ}C^{\dagger}C, C^{\dagger}H PiPsPSP\ddot{e}P_{\parallel}P_{\mu}PSC^{\dagger} PrPsP \cdot C^{\dagger}$
 $P \gg C-P \cdot P\ddot{e}PSPsPiC^{\dagger}P\ddot{e}P \gg C^{\dagger} B^{\dagger} 2,5 P_jPi.$

$\text{P}_{\text{u}}\text{C}\text{H}\text{P}\ddot{\text{e}}\text{PSP}\ddot{\text{e}}\text{C}\text{H}\text{P}\text{ePsPIC}-\text{P}\text{N}\ddot{\text{e}}\text{PSP}_{\text{u}}\text{PrPsC}\text{f}\text{C},\text{P}^{\circ}\text{C},\text{PSPsC}\text{f}\text{C},\text{C}-$ ($\text{PeP}\gg\text{C}-\text{C}\text{H}\text{P}_{\text{u}}\text{PSC}\text{f}$
 $\text{PeC}\text{H}\text{P}_{\text{u}}\text{P}^{\circ}\text{C},\text{P}\ddot{\text{e}}\text{PSC}-\text{PSCr} < 80 \text{ PjP}\gg/\text{C}\dots\text{PI}$), $\text{P}\ddot{\text{e}}\text{PsC}\ddot{\text{t}}\text{P}^{\circ}\text{C},\text{PePsPIP}^{\circ}\text{PrPsP}\cdot\text{P}^{\circ}$
 $\text{P}\gg\text{C}-\text{P}\cdot\text{P}\ddot{\text{e}}\text{PSPsP}\ddot{\text{e}}\text{C}\text{H}\text{P}\ddot{\text{e}}\text{P}\gg\text{Cr} \text{ PjP}^{\circ}\text{C}'' \text{P}\pm\text{Cr}\text{C},\text{P}\ddot{\text{e}}\text{PIC}-\text{PrPePsC}\text{H}\text{P}\ddot{\text{e}}\text{PiPsPIP}^{\circ}\text{PSP}^{\circ}\text{P}\cdot\text{P}^{\circ}\text{P}\gg\text{P}_{\text{u}}\text{P}\text{P}\text{PSPs}$
 $\text{PIC}-\text{Pr} \text{ PeP}\gg\text{C}-\text{C}\text{H}\text{P}_{\text{u}}\text{PSC}\text{f}\text{Cr} \text{ PeC}\text{H}\text{P}_{\text{u}}\text{P}^{\circ}\text{C},\text{P}\ddot{\text{e}}\text{PSC}-\text{PSCr} \text{ P}\ddot{\text{e}}\text{P}^{\circ}\text{C}\text{f}\text{C}-\text{C}''\text{PSC},\text{P}^{\circ} (\text{PrP}\ddot{\text{e}}\text{PI}.$
 $\text{C},\text{P}^{\circ}\text{P}\pm\text{P}\gg\text{P}\ddot{\text{e}}\text{C}\text{f}\text{C}\text{H} 1).$

$$P_{\text{U}}C-P_{\text{r}}C, C_{\text{H}}P_{\text{e}}P_{\text{j}}C_{\text{z}}C_{\text{H}}C_{\text{z}}P^{\circ} P_{\text{r}}P_{\text{s}}P \cdot P^{\circ}.$$

P₄C-PrC,C₇H₆PjC₇C₇C₇P° PrPsP·P° C₇C,P°PSPsPIPëC,C₇H 10 PjPi 1 C₇H°P· PSP° PrPsP±C₇.
P₄C₇H₆ PIPëPSPëPePSPμPSPSC- P°C₇C,PμC₇C-P°P»CH₆PSPsC— PiC-PiPsC,PμPSP·C-C—
(C₇PëC₇C,PsP»C-C₇PSPëPN₂ P°C₇C,PμC₇C-P°P»CH₆PSPëPN₂ C,PëC₇Pe PSPëP₇C₇Pμ P°P±Ps
C₇C,P°PSPsPIPëC,C₇H 100 PjPj C₇C,. C₇C,.) PiC-PrC,C₇H₆PjC₇C₇C₇C₇PrPsP·C₇ 5 PjPi
C,PëPjC₇P°C₇PsPIPs P·PSPëP₇C₇C,C₇H PrPs 2,5 PjPi. P₄C₇H₆ PIPëPSPëPePSPμPSPSC-
PiC₇H₆S₇»PSPiPsPIP°PSPsC— P°C₇C,PμC₇C-P°P»CH₆PSPsC— PiC-PiPsC,PμPSP·C-C—
(C₇PëC₇C,PsP»C-C₇PSPëPN₂ P°C₇C,PμC₇C-P°P»CH₆PSPëPN₂ C,PëC₇Pe PSPëP₇C₇Pμ 90 PjPj C₇C,.
C₇C,. P±C-P»CH₆C₇Pμ 1 PiPsPrPëPSPë) P»C-PeC₇PIP°PSPSC₇ PiPsC,C₇C-P±PSPs
PiC₇H₆PiPëPSPëC,Pë.

P>C-PeCrPIP°PSPSCЦ PjP°C" C,CЦPëPIP°C,Pë PIPiCЦPsPrPsPIP¶ 6 C,PëP¶PSC-PI, PïPsC,C-Pj PSPµPsP±C...C-PrPSPs PïPsPIC,PsCЦPSPs PsC†C-PSPëC,Pë C†C,P°PS PiP°C†C-C"PSC,P°. PJ PiP°C†C-C"PSC,C-PI, C† CЦPePëC... PIPëPSPëPeP°CЦC,CH C†PëPjPiC,PsPjPë C†PµCЦC†PµPIPsC— PSPµPrPsC†C,P°C,PSPsC†C,C-, C†P»C-Pr PïCЦPsPrPsPIP¶C†PIP°C,Pë P»C-PeCrPIP°PSPSCЦ P»C-P·PëPSPsPiCЦPëP»PsPj.

$$P''C-P^{\circ}P\pm P_{\mu}C,P\ddot{e}C\mp PSP^{\circ}PSP_{\mu}C,,C\overline{H}Ps\ddot{P}iP^{\circ}C,C-Cl.$$

$\text{P}_{\mu}\text{C}\overline{\text{C}}\text{P}\ddot{\text{e}}\text{P}\gg\text{C}-\text{PeCrPIP}^{\circ}\text{PSPSC}-\text{P}^{\circ}\text{C}\overline{\text{C}}\text{C},\text{P}_{\mu}\text{C}\overline{\text{C}}\text{C}-\text{P}^{\circ}\text{P}\gg\text{CHPSPsC}-\text{PiC}-\text{PiP}_{\mu}\text{C}\overline{\text{C}}\text{C},\text{P}_{\mu}\text{PSP}\cdot\text{C}-\text{C}-\text{Cr}$
 $\text{C}\dots\text{PIPsC}\overline{\text{C}}\text{P}\ddot{\text{e}}\text{C}\dots\text{PSP}^{\circ}\text{C}\ddagger\text{CrPeC}\overline{\text{C}}\text{PsPIP}\ddot{\text{e}}\text{Pn}_{\text{e}}\text{PrC}-\text{P}^{\circ}\text{P}\pm\text{P}_{\mu}\text{C},\text{C},\text{P}\ddot{\text{e}}\text{PiCr}\text{II}\text{C}-\text{PiPsC}\ddagger\text{P}^{\circ}\text{C},\text{PePsPIPsC}\overline{\text{C}}$
 $\text{PSP}_{\mu}\text{C},,\text{C}\overline{\text{C}}\text{PsPiP}^{\circ}\text{C},\text{C}-\text{C}''\text{C}\overline{\text{C}}\text{PrPsP}\cdot\text{P}^{\circ}\text{P}\gg\text{C}-\text{P}\cdot\text{P}\ddot{\text{e}}\text{PSPsPiC}\overline{\text{C}}\text{P}\ddot{\text{e}}\text{P}\gg\text{Cr}\text{C}\overline{\text{C}}\text{C},\text{P}^{\circ}\text{PSPsPIP}\ddot{\text{e}}\text{C},\text{CH}\text{10}\text{PjPi}\text{1}$
 $\text{C}\overline{\text{C}}\text{P}^{\circ}\text{P}\cdot\text{PSP}^{\circ}\text{PrPsP}\pm\text{Cr}\overline{\text{C}}\text{Pj}\text{C}\overline{\text{C}}\text{P}^{\circ}\text{P}\cdot\text{C}-\text{PSP}_{\mu}\text{PsP}\pm\text{C}\dots\text{C}-\text{PrPSPsC}\overline{\text{C}}\text{C},\text{C}-\text{PrPsP}\cdot\text{Cr}\text{PjPsP}\overline{\text{C}}\text{PSP}^{\circ}$
 $\text{P}\cdot\text{P}\pm\text{C}-\text{P}\gg\text{CHC}\overline{\text{C}}\text{P}\ddot{\text{e}}\text{C},\text{P}\ddot{\text{e}}\text{PrPs}\text{20}\text{PjPi}\text{PSP}^{\circ}\text{PrPsP}\pm\text{Cr}\text{P}\cdot\text{PjP}_{\mu}\text{C},\text{PsC}\overline{\text{C}}\text{PrPsC}\overline{\text{C}}\text{C}\overline{\text{C}}\text{PiPSP}_{\mu}\text{PSPSC}\overline{\text{C}}$
 $\text{P}\cdot\text{PSP}^{\circ}\text{C}\ddagger\text{P}_{\mu}\text{PSCH}\text{PrC}-\text{P}^{\circ}\text{C}\overline{\text{C}}\text{C},\text{PsP}\gg\text{C}-\text{C}\ddagger\text{PSPsPiPs}\text{P}^{\circ}\text{C}\overline{\text{C}}\text{C},\text{P}_{\mu}\text{C}\overline{\text{C}}\text{C}-\text{P}^{\circ}\text{P}\gg\text{CHPSPsPiPs}\text{C},\text{P}\ddot{\text{e}}\text{C}\overline{\text{C}}\text{PeCr}$
 $\text{PSP}\ddot{\text{e}}\text{P}\overline{\text{C}}\text{C}\ddagger\text{P}_{\mu}\text{90}\text{PjPj}\text{C}\overline{\text{C}}\text{C},.\text{C}\overline{\text{C}}\text{C},.\text{Cr}\text{PiPsP}\gg\text{PsP}\overline{\text{C}}\text{P}_{\mu}\text{PSPSC}-\text{C}\overline{\text{C}}\text{P}\ddot{\text{e}}\text{PrC}\overline{\text{C}}\text{C}\ddagger\text{P}\ddot{\text{e}}.$

$\text{P}\mu\text{C}\eta\text{P}\ddot{\text{e}}\text{PSP}\ddot{\text{e}}\text{C}\eta\text{PePsPIC-PN}\ddot{\text{e}}\text{PSP}\mu\text{PrPsC}\acute{\text{I}}\text{C},\text{P}^{\circ}\text{C},\text{PSPsC}\acute{\text{I}}\text{C},\text{C}- (\text{PeP}\gg\text{C}-\text{C}\eta\text{P}\mu\text{PSC}\acute{\text{I}}$
 $\text{PeC}\eta\text{P}\mu\text{P}^{\circ}\text{C},\text{P}\ddot{\text{e}}\text{PSC-PSC}\acute{\text{I}} < 80 \text{ PjP}\gg/\text{C}\dots\text{PI}), \text{P}\ddot{\text{I}}\text{PsC}\ddot{\text{I}}\text{P}^{\circ}\text{C},\text{PePsPICr PrPsP}\cdot\text{Cr P}\ddot{\text{I}}\text{C}\eta\text{P}\mu\text{P}\ddot{\text{I}}\text{P}^{\circ}\text{C}\eta\text{P}^{\circ}\text{C},\text{Cr}$

PSPμPsP±C...C-PrPSPs PIC-PrPePsCḡPëPiCíPIP°C,Pë P·P°P»PμP¶PSPs PIC-Pr
PeP»C-CḡPμPSCÍCí PeCḡPμP°C,PëPSC-PSCí PiP°C†C-C''PSC,P° (PrPëPI. C,P°P±P»PëC†Cḡ 1).

PμP°C†C-C''PSC,Pë P»C-C,PSCHbPsPiPs PIC-PeCž.

PJ PeP»C-PSC-C‡PSPëC... PrPsCÍP»C-PrP¶PμPSPSCÍC... PSPμ P±CíP»Pë PIPëCÍPIP»PμPSC-
PIC-PrPjC-PSPSPsCÍC,C- PμC,,PμPeC,PëPIPSPsCÍC,C- P°P±Ps P±PμP·PiPμPePë
PiCḡPμPiP°CḡP°C,Cí Cí P·PIbḡ™ CÍP·PeCí P· PIC-PePsPj. PμPsC‡P°C,PePsPIP° PrPsP·P°
P»C-P·PëPSPsPiCḡPëP»Cí, C%Ps PiCḡPëP·PSP°C‡P°C''C,CHCÍCÍ PsCÍPsP±P°Pj
P»C-C,PSCHbPsPiPs PIC-PeCí P·C- P·PSPëP¶PμPSPSCÍPj C,,CíPSPeC†C-C— PSPëCḡPsPe, PjP°C''
P±CíC,Pë PliPrPePsCḡPëPiPsPIP°PSP° P·PiC-PrPSPs P· C,P°P±P»PëC†PμCḡ 1. P—PiPsPrPsPj
PrPsP·CíPIP°PSPSCÍ PIPëP·PSP°C‡P°C''C,CHCÍCÍ P·P°P»PμP¶PSPs PIC-Pr CḡPμP°PeC†C-C—
C,P° P°CḡC,PμCḡC-P°P»CHbPSPsPiPs C,PëCÍPeCí.

PμP°C†C-C''PSC,Pë P· C,CḡP°PSCÍPiP»P°PSC,P°C†C-C''Cḡ PSPëCḡPsPe.B

PkPμPjP°C'' PrPsCÍPIC-PrCí C%PsPrPs P·P°CÍC,PsCÍCíPIP°PSPSCÍ PiCḡPμPiP°CḡP°C,Cí
PiP°C†C-C''PSC,P°Pj C-P· PSPμC%PsPrP°PIPSCHbPsCḡ C,CḡP°PSCÍPiP»P°PSC,P°C†C-C''Cḡ
PSPëCḡPsPe, C,PsPjCí PSPμ CḡPμPePsPjPμPSPrCíC''C,CHCÍCÍ P»C-PeCíPIP°PSPSCÍ
P»C-P·PëPSPsPiCḡPëP»PsPj C,P°PePëPj PiP°C†C-C''PSC,P°Pj.

P''C-C,Pë.

P'PμP·PiPμPeP° C,P° PμC,,PμPeC,PëPIPSC-CÍC,CH P·P°CÍC,PsCÍCíPIP°PSPSCÍ
P»C-P·PëPSPsPiCḡPëP»Cí PrC-C,CÍPj PSPμ PICÍC,P°PSPsPIP»PμPSC-, C,PsPjCí PSPμ CÍP»C-Pr
PiCḡPëP·PSP°C‡P°C,Pë PiCḡPμPiP°CḡP°C, C†C-PNë PIC-PePsPIC-PNë PeP°C,PμPiPsCḡC-C—
PiP°C†C-C''PSC,C-PI.

PμPμCḡPμPrPsP·CžPIP°PSPSCÍ.

*PŸPëPjPiC,PsPjPë: P°CḡC,PμCḡC-P°P»CHbPSP° PiC-PiPsC,PμPSP·C-CÍ,
C†PëCḡPeCíP»CÍC,PsCḡPSPëPNë CëPsPe, PμP»PμPeC,CḡPsP»C-C,PSC- PiPsCḡCíCëPμPSPSCÍ,
PSPëCḡPePsPIP° PSPμPrPsCÍC,P°C,PSC-CÍC,CH, PiC-PiPμCḡPIPμPSC,PëP»CÍC†C-CÍ,
C,P°C...C-PeP°CḡPrC-CÍ, PIC-PrC‡CíC,C,CÍ CÍPμCḡC†PμP±PëC,C,CÍ,
P±CḡP°PrPëPeP°CḡPrC-CÍ, P·P°PiP°PjPsCḡPsC‡PμPSPSCÍ, P·P°PSPμPiPsPePsC''PSPSCÍ C-
PeP°CëPμP»CH.*

*P>C-PeCžPIP°PSPSCÍ: PIPSCíC,CḡC-CëPSCHbPsPIPμPSPSPμ PIPiPμPrPμPSPSCÍ
CÍPsP»CHbPsPIPëC... CḡPsP·C‡PëPSC-PI. PμCḡPë P°CḡC,PμCḡC-P°P»CHbPSC-PNë
PiC-PiPsC,PμPSP·C-C— CÍP»C-Pr PiPsPeP»P°CÍC,Pë PiP°C†C-C''PSC,P° PSP° CÍPiPëPSCí P·
P»PμPrCH PiC-PrPSCÍC,PëPjPë PrPsPiPsCḡPë PSPsPiP°PjPë. PiPeC%Ps PjPsP¶P»PëPIPs,
PiCḡPëP·PSP°C‡P°CḡC,CH C-PSC,,CíP·C-Cḡ P°PSPiC-PsC,PμPSP·PëPSCí II C-/P°P±Ps
PIPSCíC,CḡC-CëPSCHbPsPIPμPSPSPs PIPiPsPrCÍC,CH PeP°C,PμC...PsP»P°PjC-PSPë. PiPeC%Ps
PiCḡPμPiP°CḡP°C, PiCḡPëPNëPSCÍC,PëPNë PSPμC%PsPrP°PIPSPs, PiPsPeP°P·P°PSPs
PiCḡPsPjPëPIP°PSPSCÍ CëP»CíPSPeP°, P·P°CÍC,PsCÍCíPIP°PSPSCÍ P°P±CÍPsCḡP±PμPSC,C-PI
C- PSP°C,CḡC-Cḡ CÍCíP»CHbC,,P°C,Cí. P''P»CÍ P»C-PeCíPIP°PSPSCÍ CÍC,C-PNëPePsC—
P±CḡP°PrPëPeP°CḡPrC-C— PiPsPeP°P·P°PSPs P·P°CÍC,PsCÍCíPIP°PSPSCÍ
PeP°CḡPrC-PsCÍC,PëPjCíP»CÍC,PsCḡP°.*

P PμPePsPjPμPSPPrCfC''C,CHCfCfC PīPsCfC,C-PNεPSPēPNε PePsPSC,CfPsP»CH
P»P°P±PsCfP°C,PsCfPSPēC... PīPsPeP°P·PSPēPeC-PI (PIPēP·PSP°C‡PμPSPSCfC CfC-PIPSCfC
PμP»PμPeC,CfPsP»C-C,C-PI C- PeCfPμP°C,PēPSC-PSCr PI CfPēCfPsPIP°C,C†C- PeCfPsPIC-) C,P° P¶PēC,C,C''PIPēC... C,,CfPSPeC†C-PNε.

P>C-P·PēPSPsPīCfPēP» PjPsP¶Pμ P±CfC,Pē PIPēPrP°P»PμPSPēPNε P· PsCfPiP°PSC-P·PjCf P·P°
PrPsPīPsPjPsPiPsCf PīPμPjPsPrC-P°P»C-P·Cf, PīCfPē C†CHPsPjCf CfP»C-Pr CfPSPēPeP°C,Pē
PIPēPePsCfPēCfC,P°PSPSCfC PīPsP»C-P°PeCfPēP»PsPSC-C,CfPēP»CHPSPēC...
PjPμC,P°P»PsCfCfP»CHC,,PsPSP°C,PSPēC... PIPēCfPsPePsPīP»PēPSPSPēC... PjPμPjP±CfP°PS
(PSP°PīCfPēPeP»P°Pr AN69).

PJ PIPēPīP°PrPeCf P°PSPiC-PsPSPμPICfPsC,PēC‡PSPsPiPs PSP°P±CfCfPeCf
PīCfPēP·PSP°C‡P°CfC,CH P°PSC,PēPiC-CfC,P°PjC-PSPSC- PīCfPμPīP°CfP°C,Pē. PīPeC%Ps
PeP»C-PSC-C‡PSP° CfPēC,CfP°C†C-CfC CfCfPīCfPsPiPsPrP¶CfC''C,CHCfCfCfC
PSP°P±CfCfPePsPj CfCfP·PēPeP°, PiPsP»PsCfPsPiPsC— C%C-P»PēPSPē, PiPsCfC,P°PSC-,
PSPμPsP±C...C-PrPSPs PI CfCfPiPμPSC,PSPsPjCf PīPsCfCfCfPrPeCf CfPsP·PīPsC‡P°C,Pē
P»C-PeCfPIP°PSPSCfC CēP»CfC...PsPj C,CfP°PSCfPrPμCfPjP°P»CHPSPsPiPs
PIPIPμPrPμPSPSCfC 0,3-0,5 PjP» CfPsP·C‡PēPSCr P°PrCfPμPSP°P»C-PSCr (1:1000), PrP»CfC
P·P°P±PμP·PīPμC‡PμPSPSCfC PīCfPsC...C-PrPSPsCfC,C- PrPēC...P°P»CHPSPēC...
CēP»CfC...C-PI PīPsPeP°P·P°PSC- C-PSC,CfP±P°C†C-CfC P°P±Ps P»P°CfPēPSPiPsC,PsPjC-CfC.

PμPsP±C-C‡PSC- CfPμP°PeC†C-C—.

P— P±PsPeCžB CfPēCfC,PμPjPē PeCfPsPIC-: P·PSPēP¶PμPSPSCfC CfC-PIPSCfC
PīPμPjPsPiP»PsP±C-PSCr C- PīPμPjP°C,PsPeCfPēC,Cf, PīCfPēPiPSC-C‡PμPSPSCfC
PrC-CfC»CHPSPsCfC,C- PeC-CfC,PePsPiPsPiPs PjPsP·PeCf, P°PSPμPjC-CfC,
C,CfPsPjP±PsC†PēC,PsPīPμPSC-CfC, P»PμPNεPePsPīPμPSC-CfC, PSPμPNεC,CfPsPīPμPSC-CfC,
P°PīCfP°PSCrP»PsC†PēC,PsP·, PīPμPjPsP»C-C,PēC‡PSP° P°PSPμPjC-CfC,
P»C-PjC,,P°PrPμPSPsPīP°C,C-CfC, P°CfC,PsC-PjCfPSPSPμ P·P°C...PiPsCfCfPiP°PSPSCfC.

P— P±PsPeCž PsP±PjC-PSCž CfPμC‡PsPIPēPS: PiC-PīPsPiP»C-PePμPjC-CfC.

P— P±PsPeCž C†PμPSC,CfP°P»CHPSPsC— PSPμCfPIPSPiPsC— CfPēCfC,PμPjPē C,P°
PīCfPēC...C-C‡PSC- CfPsP·P»P°PrPē: P·P°PīP°PjPsCfPsC‡PμPSPSCfC, PiPsP»PsPiPSPēPNε
P±C-P»CH, P·PjC-PSP°B PSP°CfC,CfPsCf, PīP°CfPμCfC,PμP·C-C—, PIPμCfC,PēPiPs,
PīPsCfCfCēPμPSPSCfC CfPjP°PeCf, PīPsCfCfCēPμPSPSCfC CfPSCr, PīPsCfCfCēPμPSPSCfC
CfC-PIPSPsPiP°PiPē, PrPμP·PsCfC-C''PSC,P°C†C-CfC, CfPīP»CfC,P°PSC-CfC,CH
CfPIC-PrPsPjPsCfC,C-, PīPsCfCfCēPμPSPSCfC PSCfC...Cf, CfPēPjPīC,PsPjPē
PrPμPīCfPμCfC-C—, PSPμPīCfPēC,PsPjPSC-CfC,CH,B CfCfP±Bf™C''PeC,PēPIPSPμ
PIC-PrC‡CfC,C,CfC CēCfPjCfC Cf PICfC...P°C... C,P° P·PSPēP¶PμPSPSCfC PiPsCfC,CfPsC,Pē
P·PsCfCf.

P— P±PsPeCž CfPμCfC†PμPiPs-CfCžPrPēPSPSPsC— CfPēCfC,PμPjPē:
P°CfC,PμCfC-P°P»CHPSP° PiC-PīPsC,PμPSP·C-CfC (PsCfPsP±P»PēPiPs PiC-CfP»CfC
PīCfPēPNεPsPjCf PīPμCfCēPsC— PrPsP·Pē PīCfPμPīP°CfP°C,Cf PīP°C†C-C''PSC,P°PjPē P·
PrPμC,,C-C†PēC,PsPj PSP°C,CfC-Cf, PrPμPiC-PrCfP°C,P°C†C-C''Cf, CfPμCfC†PμPiPsCf
PSPμPrPsCfC,P°C,PSC-CfC,Cf); PsCfC,PsCfC,P°C,PēC‡PSC- PμC,,PμPeC,Pē
(PIPēP»CfC‡P°CfC‡Pē P°CfC,PμCfC-P°P»CHPSCr PiC-PīPsC,PμPSP·C-CfC); C-PSC,,P°CfPeC,
PjC-PsPeP°CfPrP° C,P° C-PSCfCfP»CHC, (CfPe PjPsP¶P»PēPIC- PIC,PsCfPēPSPSC-
CfPIPēC%P° PīCfPē PSP°PrPjC-CfPSC-PNε PiC-PīPsC,PμPSP·C-C— CfPμCfPμPr

PIP°C†C-C" PSC,C-PI PiCḡC†PḡPḡ CḡPḡP·PḡPḡC†); PIC-PrC†C†C,C,Cḡ
PiCḡPḡC†PḡPsCḡPḡPSPsPiPs C†PḡCḡC†PḡP±PḡC,C,Cḡ, C,P°C...C-PḡP°CḡPrC-Cḡ,
C†PḡPSPPrCḡPsPj P PḡPNḡPSPs, C†PḡPSPḡPsPiPḡ. PḡCḡPḡ P·P°C†C,PSC†C†PIP°PSPSC-
P»C-P·PḡPSPsPiCḡPḡP»C† C† PḡP°C†C-C" PSC,C-PI C-P· PiPsC†C,CḡPḡPj C-PSC,,P°CḡPḡC,PSPj
PjC-PsPḡP°CḡPrP° PjPsPḡP»PḡPIC-, PsC†PsP±P»PḡPIPs C† PiPḡCḡCḡC- 24 PiPsPrPḡPSPḡ,
P°C,CḡC-PsPIPḡPSC,CḡPḡPḡC†P»CḡCḡPSP° P±P»PsPḡP°PrP° P†P†ḡḡ" P†P†P† C†C,C†PiPḡPSC-PI,
C,CḡPḡPḡP° P°CḡC,PḡCḡC-P°P»CḡPSP° PiC-PiPsC,PḡPSP·C-Cḡ C,P°/P°P±Ps
PiPsCḡC†CḡPḡPSPSCḡ C,,C†PSPḡC†C-C— PSPḡCḡPsPḡ, C† PiPsPsPrPḡPSPsPḡPḡC...
PIPḡPiP°PrPḡP°C... ḡḡ" PḡP°CḡPrC-PsPiPḡPSPSPḡPNḡ CḡPsPḡ.

P— P±PsPḡCḡ PḡC-C†C,PḡPsPIPs-Pjḡḡ™ CḡP·PsPIPsC— C†PḡC†C,PḡPjPḡ: P±C†P»Pḡ
P·P°CḡPḡC" C†C,CḡPsPIP°PSC- Pjḡḡ™ CḡP·PsPIC- C†PiP°P·PjPḡ.

P— P±PsPḡCḡ PrPḡC...P°P»CḡPSPsC— C†PḡC†C,PḡPjPḡ:B PḡP°CḡPḡP»Cḡ, P±CḡPsPSC...C-C,,
CḡPḡPSC-C,, P·P°PrPḡCḡPḡP°, PrPḡC†PiPSPsPḡ, P°PSPiC-PsPSPḡPICḡPsC,PḡC†PSPḡPNḡ
PSP°P±CḡCḡPḡ, P±CḡPsPSC...PsC†PiP°P·Pj, PiP»PsC†PḡC,, C†PḡPSC†C†PḡC,,
P°P»PḡCḡPiC-C†PSPḡPNḡ P°P»CḡPiPḡPsP»PḡC,/PḡPsP·PḡPSPsC,,C-P»CḡPSP°
PiPSPḡPiPjPsPSC-Cḡ. P·C†P»Pḡ P·P°CḡPḡC" C†C,CḡPsPIP°PSC- C-PSC,,PḡPḡC†C-C—
PIPḡCḡC...PSC-C... PrPḡC...P°P»CḡPSPḡC... CḡP»CḡC...C-PI.

P— P±PsPḡCḡ C,CḡP°PIPSsPiPs C,CḡP°PḡC,Cḡ: PrC-P°CḡPḡCḡ, P±P»CḡPIP°PSPSCḡ,
PSC†PrPsC,P°, P±C-P»Cḡ C† PḡPḡPIPsC,C-, PrPḡC†PiPḡPiC†C-Cḡ, C†C†C...C-C†C,Cḡ C†
CḡPsC,C-, P·PjPḡPSCḡPḡPSPSCḡ P°PiPḡC,PḡC,C†, P·PjC-PSP° C†PjP°PḡC†,
PiP°PSPḡCḡPḡP°C,PḡC,, C-PSC,PḡC†C,PḡPSP°P»CḡPSPḡPNḡ
P°PSPiC-PsPSPḡPICḡPsC,PḡC†PSPḡPNḡ PSP°P±CḡCḡPḡ PḡPḡCḡPḡC†PSPḡPḡC†, P·P°PiPsCḡ,
PiPḡPiP°C,PḡC, (PiPḡPiP°C,PSC†PḡP»CḡP»CḡCḡPSPḡPNḡ P°P±Ps
C...PsP»PḡC†C,P°C,PḡC†PSPḡPNḡ), PḡPsPIC,CḡPSPḡC†Cḡ C- PiPḡC†C-PSPḡPsPIP°
PSPḡPrPsC†C,P°C,PSC-C†C,Cḡ.

P— P±PsPḡCḡ CḡPḡC-CḡPḡ: PIPḡC†PḡPiPḡ, C†PIPḡCḡP±C-Pḡ;
PiC-PiPḡCḡC†C†C,P»PḡPIC-C†C,Cḡ, PIPḡP»CḡC†P°CḡC†Pḡ
P°PSPiC-PsPSPḡPICḡPsC,PḡC†PSPḡPNḡ PSP°P±CḡCḡPḡ PsP±P»PḡC†C†Cḡ, PḡC-PSC†C-PIPsPḡ,
PiC†P±, CḡP·PḡPḡP°, PiPsP»PsC†PsPIPsC— C%oC-P»PḡPSPḡ C,P°/P°P±Ps PiP»PsC,PḡPḡ;
PIC-PrC†C†C,C,Cḡ PḡP°CḡC†, PiC-PiPḡCḡPḡPjC-Cḡ CḡPḡC-CḡPḡ, PḡCḡPsPiPḡPiḡḡ™ CḡPSPḡP°,
P°P»PsPiPḡC†C-Cḡ, PiC†PsCḡC-P°P·, PiC-PrPIPḡC%oPḡPSPḡ PiPsC,PsPIPḡPrC-P»PḡPSPSCḡ,
PiPḡPjC,,C-PiC†C†, C,PSPḡC†PḡC†PSPḡPNḡ PḡPiC-PrPḡCḡPjP°P»CḡPSPḡPNḡ PSPḡPḡCḡPsP»C-P·,
C†PḡPSPPrCḡPsPj PḡC,C-PIPḡPSC†P°-P"PḡPsPSC†PsPSP°, PiPsP»C-PjPsCḡC,,PSP°
PḡCḡPḡC,PḡPjP°, P»C-PjC,,PsC†PḡC,PSPjP° CḡPḡC-CḡPḡ.

PḡPsPIC-PrPsPjP»CḡP»PsC†Cḡ PiCḡPs C†PḡPSPPrCḡPsPj, C%oPs PIPḡP»CḡC†P°C" PsPrPḡPS
P°P±Ps PḡC-P»CḡPḡP° C†PḡPjPiC,PSPjC-PI: PiP°CḡCḡC†PḡP°, PIP°C†PḡC†P»C-C,,
PjC-P°P»PiC-Cḡ, P°CḡC,CḡP°P»PiC-Cḡ/P°CḡC,CḡPḡC,, PiPsCḡPIP° PiPsP·PḡC,PḡPIPSPḡC...
P°PSC,PḡPSC†PḡP»PḡP°CḡPSPḡC... P°PSC,PḡC,C-P», PiCḡPḡC†PḡPsCḡPḡPSPSCḡ
CḡPIPḡPrPḡPsC†C,C- PsC†C-PrP°PSPSCḡ PḡCḡPḡC,CḡPsC†PḡC,C-PI, PḡPsP·PḡPSPsC,,C-P»C-Cḡ
C- P»PḡPNḡPḡPsC†PḡC,PSP·, PIPḡC†PḡPiP°PSPSCḡ, C,,PsC,PSC†PḡPSC†PḡP±C-P»C-P·P°C†C-Cḡ
P°P±Ps C-PSCḡC- CḡPḡC-CḡPSC- PiCḡPsCḡPIPḡ, PiC-PrPIPḡC%oPḡPSPSCḡ
C,PḡPjPiPḡCḡP°C,C†CḡPḡ C,C-P»P°.

P— P±PsPḡCḡ C†PḡC†PsPIPḡPrC-P»CḡPSPsC— C†PḡC†C,PḡPjPḡ: PSPḡCḡPḡPsPIP°
PrPḡC†C,,C†PSPḡC†C-Cḡ, C†CḡPḡPjC-Cḡ, PiPsC†C,CḡP° PSPḡCḡPḡPsPIP°
PSPḡPrPsC†C,P°C,PSC-C†C,Cḡ, PsP»C-PiC†CḡC-Cḡ/P°PSC†CḡC-Cḡ.

$P - P \pm PsPeC \acute{z} P_{\mu}PSPPrPsPeC\tilde{H}P\ddot{e}PSPSPsC - C\acute{I}P\ddot{e}C\acute{I}C, P_{\mu}PjP\ddot{e}$: $PSP_{\mu}P^{\circ}PrP_{\mu}PePIP^{\circ}C, PSP^{\circ}C\acute{I}P_{\mu}PeC\tilde{H}P_{\mu}C\ddagger C - C\ddot{I} P^{\circ}PSC, P\ddot{e}PrC - C\acute{r}C\tilde{H}P_{\mu}C, P\ddot{e}C\ddagger PSPsPiPs PiPsC\tilde{H}PjPsPSC\acute{r}$.

$P - P \pm PsPeC \acute{z} C\tilde{H}P_{\mu}P\ddot{e}C\tilde{H}PsPrC \acute{z} PeC, P\ddot{e}PIPSPsC - C\acute{I}P\ddot{e}C\acute{I}C, P_{\mu}PjP\ddot{e}$: $C - PjPiPsC, P_{\mu}PSC\ddagger C - C\ddot{I}, PiC - PSP_{\mu}PePsPjP^{\circ}C\acute{I}C, C - C\ddot{I}$.

$P - P^{\circ}PiP^{\circ}P \gg CH\dot{P}SC - PiPsC\tilde{H}C \acute{z} C\epsilon P_{\mu}PSPSC\ddot{I}$: $PiC - PrPIP\ddot{e}C\%P_{\mu}PSP^{\circ}PIC, PsPjP \gg C\tilde{H}PIP^{\circ}PSC - C\acute{I}C, CH, C\acute{I}P \gg P^{\circ}P \pm PeC - C\acute{I}C, CH$.

$P \gg P^{\circ}P \pm PsC\tilde{H}P^{\circ}C, PsC\tilde{H}PSC - PiPsPeP^{\circ}P \cdot PSP\ddot{e}PeP\ddot{e}$: $PiC - PrPIP\ddot{e}C\%P_{\mu}PSPSC\ddot{I} C\tilde{H}C - PIPSC\ddot{I} C\acute{I}P_{\mu}C\ddagger PsPIP\ddot{e}PSP\ddot{e} C\acute{r} PeC\tilde{H}PsPIC -, PeC\tilde{H}P_{\mu}P^{\circ}C, P\ddot{e}PSC - PSC\acute{r} C\acute{r} C\acute{I}P\ddot{e}C\tilde{H}PsPIP^{\circ}C, C\ddagger C - PeC\tilde{H}PsPIC -, PiP_{\mu}C\ddagger C - PSPePsPIP\ddot{e}C... C, P_{\mu}C\tilde{H}PjP_{\mu}PSC, C - PI, PiC - PiP_{\mu}C\tilde{H}PeP^{\circ}P \gg C - C''PjC - C\ddot{I}, PiC - PrPIP\ddot{e}C\%P_{\mu}PSPSC\ddot{I} C\tilde{H}C - PIPSC\ddot{I} P \pm C - P \gg C - C\tilde{H}C\acute{r}P \pm C - PSC\acute{r} C\acute{r} C\acute{I}P\ddot{e}C\tilde{H}PsPIP^{\circ}C, C\ddagger C - PeC\tilde{H}PsPIC -, PiC - PiPsPSP^{\circ}C, C\tilde{H}C - C''PjC - C\ddot{I}, PiC\tilde{H}PsC, P_{\mu}C - PSC\acute{r}C\tilde{H}C - C\ddot{I}$.

$P_{\mu}PsPIC - PrPsPjP \gg P_{\mu}PSPSC\ddot{I} PiC\tilde{H}Ps PiC - PrPsP \cdot C\tilde{H}C\tilde{H}PIP^{\circ}PSC - PiPsP \pm C - C\ddagger PSC - C\tilde{H}P_{\mu}P^{\circ}PeC\ddagger C - C -$

$P_{\mu}PsPIC - PrPsPjP \gg P_{\mu}PSPSC\ddot{I} PiC\tilde{H}Ps PiC - PrPsP \cdot C\tilde{H}C\tilde{H}PIP^{\circ}PSC - PiPsP \pm C - C\ddagger PSC - C\tilde{H}P_{\mu}P^{\circ}PeC\ddagger C - C - PiC - C\acute{I}P \gg C\ddot{I} C\tilde{H}P_{\mu}C''C\acute{I}C, C\tilde{H}P^{\circ}C\ddagger C - C - P \gg C - PeP^{\circ}C\tilde{H}C\acute{I}CH\dot{P}ePsPiPs P \cdot P^{\circ}C\acute{I}PsP \pm C\acute{r} C'' PIP^{\circ}P \parallel P \gg P\ddot{e}PIP\ddot{e}Pj. P\ddot{I}P_{\mu} PrPsP \cdot PIPsP \gg C\ddot{I}C'' PiC\tilde{H}PsPIPPrP\ddot{e}C, P\ddot{e} P \pm P_{\mu}P \cdot PiP_{\mu}C\tilde{H}P_{\mu}C\tilde{H}PIPSP\ddot{e}P_{\mu} PjPsPSC - C, PsC\tilde{H}P\ddot{e}PSPi C\acute{I}PiC - PIPIC - PrPSPsC\epsilon P_{\mu}PSPSC\ddot{I} PePsC\tilde{H}P\ddot{e}C\acute{I}C, CH/C\tilde{H}P\ddot{e}P \cdot P\ddot{e}Pe C\%PsPrPs P \gg C - PeP^{\circ}C\tilde{H}C\acute{I}CH\dot{P}ePsPiPs P \cdot P^{\circ}C\acute{I}PsP \pm C\acute{r}. P_{\mu}C\tilde{H}P^{\circ}C\ddagger C - PIPSP\ddot{e}PeP\ddot{e} C\acute{I}P\ddot{e}C\acute{I}C, P_{\mu}PjP\ddot{e} PsC...PsC\tilde{H}PsPSP\ddot{e} P \cdot PrPsC\tilde{H}PsPI\dot{B}\tilde{H}^{\text{TM}} C\ddot{I} PiPsPIP\ddot{e}PSPSC - PiPsPIC - PrPsPjP \gg C\ddot{I}C, P\ddot{e} PiC\tilde{H}Ps P \pm C\acute{r}PrCH\dot{B} - C\ddot{I}PeC - PiC - PrPsP \cdot C\tilde{H}C\tilde{H}PIP^{\circ}PSC - PiPsP \pm C - C\ddagger PSC - C\tilde{H}P_{\mu}P^{\circ}PeC\ddagger C - C - P \cdot P^{\circ} PrPsPiPsPjPsPiPsC\tilde{H} PSP^{\circ}C\ddagger C - PsPSP^{\circ}P \gg CH\dot{P}SPsC - C\acute{I}P\ddot{e}C\acute{I}C, P_{\mu}PjP\ddot{e} P \cdot PIC - C, C\acute{r}PIP^{\circ}PSPSC\ddot{I}$.

$P\check{y}P_{\mu}C\tilde{H}PjC - PS PiC\tilde{H}P\ddot{e}PrP^{\circ}C, PSPsC\acute{I}C, C - .$ 3 $C\tilde{H}PsPeP\ddot{e}$.

$PjPjPsPIP\ddot{e} P \cdot P \pm P_{\mu}C\tilde{H}C - PiP^{\circ}PSPSC\ddot{I}$.

$P - P \pm P_{\mu}C\tilde{H}C - PiP^{\circ}C, P\ddot{e} PI PsC\tilde{H}P\ddot{e}PiC - PSP^{\circ}P \gg CH\dot{P}SC - P_{\mu} C\acute{r}PiP^{\circ}PePsPIC\ddagger C - PiC\tilde{H}P\ddot{e} C, P_{\mu}PjPiP_{\mu}C\tilde{H}P^{\circ}C, C\acute{r}C\tilde{H}C - PSP_{\mu} PIP\ddot{e}C\%P_{\mu} 25 B^{\circ}P\check{y}.B$

$P - P \pm P_{\mu}C\tilde{H}C - PiP^{\circ}C, P\ddot{e} PI PSP_{\mu}PrPsC\acute{I}C, C\acute{r}PiPSPsPjC\acute{r} PrP \gg C\ddot{I} PrC - C, P_{\mu}P_{\mu} PjC - C\acute{I}C\ddagger C - .$

$PjPiP^{\circ}PePsPIP\ddot{e}P^{\circ}$.

$P_{\mu}Ps 10 C, P^{\circ}P \pm P \gg P_{\mu}C, PsPe C\acute{r} P \pm P \gg C - C\acute{I}C, P_{\mu}C\tilde{H}C - ; PiPs 3 P^{\circ}P \pm Ps PiPs 6 P \pm P \gg C - C\acute{I}C, P_{\mu}C\tilde{H}C - PI C\acute{r} PePsC\tilde{H}PsP \pm C\ddagger C - .$

$P_{\mu}P^{\circ}C, P_{\mu}PiPsC\tilde{H}C - C\ddot{I} PIC - PrPiC\acute{r}C\acute{I}PeC\acute{r}$. $P - P^{\circ} C\tilde{H}P_{\mu}C\ddagger P_{\mu}PiC, PsPj$.

P'PëCᵗᵗPₛP±PSPëPε.

$$P\check{y}P\hbar P' \text{ B}\langle P\check{h}P\check{Y}P\check{y}P \text{ } P\check{h}P\alpha P\check{h}P \text{ } P_{\hbar}B\rangle.$$

Р_НС-СГ'С†Р_μР·Р_{SP}°С...Р_SР_ГР¶Р_μР_{SP}Р_{SC}¶ Р_{IP}ëС_ГР_SР±Р_{SP}ëР_еР° С,Р° Р°Р_ГС_ГР_μСГ'Р° Р_ГС-СГ'С†С¶ Р_{IC}С_ГР_SР_{IP}°Р_ГР¶Р_μР_{SP}Р_{SC}¶ Р_N°Р_SР_иР_S Р_ГС-С¶Р»С_НР_{SP}Р_SСГ'С,С-.

PJPeCT₂P°C—PSP°, 08132, P₇PëC—PIC₁C₂H₂PeP° PsP±P», P₇PëC''PIPs-
P₇PIPC₂, PsC€PëPSC₁C₂H₂PePëP№ CT₂-PS, Pj. P'PëC€PSPμPIPμ, PIC₁P». P₇PëC—PIC₁C₂H₂PeP°, 6.