

PαP°CḡPjP°PePsPrPëPSP°PjC-PeP°

PḡPSPiC-PsC, PμPSP·PëPS II Bḡ“ PiPsP»PsPIPSPëPNḡ PIP°P·PsP°PeC, PëPIPSPëPNḡ PiPsCḡPjPsPS
CḡPμPSC-PS-P°PSPiC-PsC, PμPSP·PëPS-P°P»CHḡPrPsCḡC, PμCḡPsPSPsPIPsC— CḡPëCḡC, PμPjPë,
C%ḡPs PIC-PrC-PiCḡP°C” CḡPsP»CH Cḡ PïP°C, PsC,, C-P·C-PsP»PsPiC-CḡPSPsPjCḡ
PjPμC...P°PSC-P·PjC- CḡPsP·PIPëC, PeCḡ PiC-PiPμCḡC, PμPSP·C-C—, CḡPμCḡC†PμPIPsC—
PSPμPrPsCḡC, P°C, PSPsCḡC, C- C, P° C-PSC€PëC... CḡPμCḡC†PμPIPs-CḡCḡPrPëPSPSPëC...
P·P°C...PIPsCḡCḡPIP°PSCḡ. P’C-PS C, P°PePsPḡ PIC-PrC-PiCḡP°C” CḡPsP»CH Cḡ
PïP°C, PsPiPμPSPμP·C- PsCḡC, P°C, PsCḡPSPsC— PiC-PiPμCḡC, CḡPsC,, C-C— C, P°
CḡCḡP°PḡPμPSPSCḡ PsCḡPiP°PSC-PI-PjC-C€PμPSPμPNḡ. PḡCḡPSPsPIPSC-
C,, C-P·C-PsP»PsPiC-CḡPSC- PμC,, PμPeC, Pë P°PSPiC-PsC, PμPSP·PëPSCḡ II, C, P°PeC- CḡPe
PIP°P·PsPePsPSCḡC, CḡPëPeC†C-Cḡ, CḡC, PëPjCḡP»CḡC†C-Cḡ CḡPμPeCḡPμC†C-C—
P°P»CHḡPrPsCḡC, PμCḡPsPSCḡ, CḡPμPiCḡP»CḡC†C-Cḡ CḡPsP»CHḡPsPIPsPiPs C, P°
PIPsPrPSPsPiPs PiPsPjPμPsCḡC, P°P·Cḡ C, P° CḡC, PëPjCḡP»CḡC†C-Cḡ CḡPsCḡC, Cḡ PeP»C-C, PëPS,
PIC-PrP±CḡPIP°CḡC, CHḡCḡCḡ P· CḡCḡP°CḡC, Cḡ CḡPμC†PμPiC, PsCḡC-PI C, PëPiCḡ 1 (PḡPḡḡ).

PαP°CḡPjP°PePsPrPëPSP°PjC-CḡPSC- PμC,, PμPeC, Pë

PḡP°PSPPrPμCḡP°CḡC, P°PSCḡ C†PëP»PμPeCḡPμC, PëP» C” PiCḡPμPiP°CḡP°C, PsPj-
PiPsPiPμCḡPμPrPSPëPePsPj, PiCḡPëPrP°C, PSPëPj PrP»Cḡ PiCḡPëPNḡPsPjCḡ
PIPSCḡC, CḡC-C€PSCḡPs. P’C-PS C€PIPëPrPePs PiPμCḡPμC, PIPsCḡCḡC”C, CHḡCḡCḡ PI
P°PeC, PëPIPSCḡ CḡPμCḡPsPIPëPSCḡ, PeP°PSPPrPμCḡP°CḡC, P°PS, C€P»CḡC...PsPj
PμC,, C-CḡPSPsPiPs PiC-PrCḡPsP»C-P·Cḡ PiC-Pr CḡP°Cḡ PICḡPjPsPeC, CḡPIP°PSPSCḡ P·
C, CḡP°PIPSPsPiPs C, CḡP°PeC, Cḡ. PḡP°PSPPrPμCḡP°CḡC, P°PS C” P°PSC, P°PiPsPSC-CḡC, PsPj
CḡPμC†PμPiC, PsCḡC-PI P°PSPiC-PsC, PμPSP·PëPSCḡ II (PḡP AII), CḡPμP»PμPeC, PëPIPSPëPj
C%ḡPsPrPs CḡPμC†PμPiC, PsCḡC-PI PḡPḡḡ, P· PjC-C†PSPëPj P·PiBḡ™ CḡP·CḡPIP°PSPSCḡPj
C, P° PiPsPIC-P»CHḡPSPëPj PIC-PrBḡ™ C” PrPSP°PSPSCḡPj PIC-Pr CḡPμC†PμPiC, PsCḡP°.
P’C-PS PSPμ PjP°C” P°PiPsPSC-CḡC, PëCḡPSPsC— P°PeC, PëPIPSPsCḡC, C-.

PḡP°PSPPrPμCḡP°CḡC, P°PS PSPμ C-PSPiC-P±CḡC”
P°PSPiC-PsC, PμPSP·PëPSPiPμCḡPμC, PIPsCḡCḡPIP°P»CHḡPSPëPNḡ C,, PμCḡPjPμPSC, (PḡPμPα),
C%ḡPs PiPμCḡPμC, PIPsCḡCḡC” P°PSPiC-PsC, PμPSP·PëPS P† PI P°PSPiC-PsC, PμPSP·PëPS II C-
CḡCḡPNḡPSCḡC” P±CḡP°PrPëPeC-PSC-PS. PḡPμ PiPsPjC-CḡPμPSPs PIPiP»PëPICḡ PSP° PḡPμPα C-
PiPsC, PμPSC†C-CḡPIP°PSPSCḡ P±CḡP°PrPëPeC-PSC-PSCḡ P°P±Ps CḡCḡP±CḡC, P°PSC†C-C— P.
Pj PePsPSC, CḡPsP»CHḡPsPIP°PSPëC... PeP»C-PSC-CḡPSPëC... PrPsCḡP»C-PrPḡPμPSPSCḡC..., PI
CḡPePëC... PiPsCḡC-PIPSCḡPIP°P»Pë PeP°PSPPrPμCḡP°CḡC, P°PS P· C-PSPiC-P±C-C, PsCḡP°PjPë
PḡPμPα, CḡP°CḡC, PsC, P° PeP°C€P»Cḡ P±CḡP»P° PSPëPḡCḡPsCḡ Cḡ PïP°C†C-C”PSC, C-PI, CḡPeC-
PiCḡPëPNḡPjP°P»Pë PeP°PSPPrPμCḡP°CḡC, P°PSCḡ C†PëP»PμPeCḡPμC, PëP».

PḡP°PSPPrPμCḡP°CḡC, P°PS PSPμ P·PiBḡ™ CḡP·CḡC”C, CHḡCḡCḡ P· CḡPμC†PμPiC, PsCḡP°PjPë
C-PSC€PëC... PiPsCḡPjPsPSC-PI C- PSPμ P±P»PsPeCḡC” C—C... P°P±Ps C-PsPSPSC-
PeP°PSP°P»Pë, CḡPeC-, CḡPe PIC-PrPsPjPs, PIP°PḡP»PëPIC- PrP»Cḡ CḡPμPiCḡP»CḡC†C-C—
CḡPμCḡC†PμPIPs-CḡCḡPrPëPSPSPsC— CḡPëCḡC, PμPjPë. PḡPSC, P°PiPsPSC-P·Pj PrPs
CḡPμC†PμPiC, PsCḡC-PI P°PSPiC-PsC, PμPSP·PëPSCḡ II (PḡPḡḡ) PiCḡPëP·PIPsPrPëC, CHḡ PrPs
PrPsP·PsP·P°P»PμPḡPSPsPiPs PiC-PrPIPëC%ḡPμPSPSCḡ PiP»P°P·PjPsPIPëC... CḡC-PIPSC-PI
CḡPμPSC-PSCḡ, P°PSPiC-PsC, PμPSP·PëPSCḡ P† C, P° P°PSPiC-PsC, PμPSP·PëPSCḡ II, P°
C, P°PePsPḡ PrPs P·PSPëPḡPμPSPSCḡ PiP»P°P·PjPsPIPsC— PePsPSC†PμPSC, CḡP°C†C-C—
P°P»CHḡPrPsCḡC, PμCḡPsPSCḡ.

PḡP»C-PSC-CḡPSP° PμC,, PμPeC, PëPIPSC-CḡC, CHḡ C, P° P±PμP·PiPμPeP°

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

РμСҖРө Р°СҖС, РμСҖС-Р°Р»СҖРSC-Р№ РiС-РiРμСҖС, РμPSP·С-С— РeР°PSPРμСҖР°СҖС, Р°PS
СҖРiСҖРөСҖРөPSCЦC” РrPsP·PsP·Р°Р»РμP¶PSPμ РrPsPIPiPsC, СҖРөPIP°Р»Рμ Р·PSPөP¶PμPSPSCЦ
Р°СҖС, РμСҖС-Р°Р»СҖPSPsPiPs С, РөСҖРөСҖ (AT). РҖPSC, РөPiС-РiРμСҖС, РμPSP·РөPIPSP°
РrС-СЦ PIC-РrP±СҖРIP°С”С, СҖСҖСЦЦ Р·Р° СҖР°С...СҖPSPsPe Р·PjРμPSC€РμPSPSCЦ
СҖРөСҖС, РμPjPSPsPiPs РiРμСҖРөС,, РμСҖРөСҖPSPsPiPs PsPiPsСҖСҖ Р±РμP·
СҖРμС,, Р»РμPeC, PsСҖPSPsPiPs РiС-РrPIPөC%oРμPSPSCЦ СҖР°СҖС, PsC, Рө СҖРμСҖСҖРμPIPөC...
СҖРөPsСҖРөСҖРμPSCҖ. Р’РeР°Р°С-РIPeРө PSP° СҖРμСҖР№PsP·PSCҖ Р°Р±Ps РiPsСҖРөР»РμPSCҖ
РiС-РiPsC, РμPSP·С-СҖ РiС-СҖР»СЦ РiСҖРөР№PsPjСҖ РiРμСҖС€PsC— РrPsP·Рө СҖРө PSP°
СҖРөPSPРсҖРsPj PIC-РrPjС-PSPө РiС-СҖР»СЦ РiСҖРөPiРөPSPμPSPSCЦ Р»С-РeСҖРIP°PSPSCЦ
PIC-РrСҖСҖС, PSC-.

РμС-СҖР»СЦ РiСҖРөР№PsPjСҖ СҖР°Р·PsPIPсC— РrPsP·Рө РeР°PSPРμСҖР°СҖС, Р°PSCҖ
СҖРөР»РμPeСҖРμС, РөР»СҖ РiPsCҖР°С, PsPe Р°PSC, РөPiС-РiРμСҖС, РμPSP·РөPIPSPsPiPs
РμС,, РμPeC, СҖ Р·Р°Р·PIPөСҖР°Р№ PSP°СҖС, Р°С” РiСҖPsC, СЦРiPsPj 2-С... РiPsРrРөPS. РμСҖРө
С, СҖРөPIP°Р»PsPjСҖ Р»С-РeСҖРIP°PSPSC- PSP°Р№Р±С-Р»СҖС€Рμ Р·PSPөP¶PμPSPSCЦ РҖРҗ
РiСҖРө Р·Р°СҖС, PsСҖСҖРIP°PSPSC- Р±СҖРrСҖС-СЦРePsC— РrPsP·Рө Р·Р°Р·PIPөСҖР°Р№
РrPsСҖСЦРiР°С”С, СҖСҖСЦЦ РiСҖPsC, СЦРiPsPj 4-С... С, РөP¶PSC-PI С-
Р·Р±РμСҖС-РiР°С”С, СҖСҖСЦЦ РIPiСҖPsРrPsPIP¶ РrPsPIPiPsСҖС, СҖPsPePsPIPiPs
Р»С-РeСҖРIP°PSPSCЦ. Р—РiС-РrPSPs РrР°PSPөC... PjРμС, Р°-Р°PSP°Р»С-Р·СҖ,
СҖРμСҖРμPРPSC-Р№ РrPsРrР°С, РePsPIPөР№ РμС,, РμPeC, РiСҖРө
Р·Р±С-Р»СҖС€РμPSPSC- РrPsP·Рө Р· 16 PjPi РrPs 32 PjPi 1 СҖР°Р· PSP° РrPsP±СҖ
Р±СҖРi PSPμP·PSP°СҖPSPөPj. Р’РμСҖСҖСҖРө РrPs СҖРIP°PiРө
PjС-Р¶С-PSPРөPIC-РrСҖР°Р»СҖPSCҖ РIP°СҖС-Р°Р±РμP»СҖPSC-СҖС, СҖ СҖ
РrРμСЦРeРөC... РiР°СҖС-С”PSC, С-PI PjPsP¶PSP° PsСҖС-РeСҖРIP°С, Рө Р±С-Р»СҖС€
PIPөСҖР°Р¶PμPSPөР№, PSC-Р¶ СҖРμСҖРμPРPSC-Р№, РμС,, РμPeC, .
РҖР°PSPРμСҖР°СҖС, Р°PSCҖ СҖРөР»РμPeСҖРμС, РөР» Р·Р° СҖPjPsPIPө РiСҖРөР№PsPjСҖ
1 СҖР°Р· PSP° РrPsP±СҖ Р·Р°Р·РμP·РiРμСҖСҖС” РμС,, РμPeC, РөPIPSPμ С, Р° РiР»Р°РIPSPμ
Р·PSPөP¶PμPSPSCЦ AT РiСҖPsC, СЦРiPsPj 24 РiPsРrРөPS С-Р· PSPμPIPμP»РөPePsСҖ
СҖС-Р·PSPөСҖРμСҖ PjС-Р¶ PjР°PeСҖРөPjР°Р»СҖPSPөPj С- PjС-PSC-PjР°Р»СҖPSPөPj
РμС,, РμPeC, Р°PjРө РiСҖPsC, СЦРiPsPj С-PSC, РμСҖРIP°Р»СҖ РrPsP·СҖРIP°PSPSCЦ.

РμСҖРө Р·Р°СҖС, PsСҖСҖРIP°PSPSC- РeР°PSPРμСҖР°СҖС, Р°PSCҖ СҖРөР»РμPeСҖРμС, РөР»СҖ
СҖР°Р·PsPj Р· РiС-РrСҖPsC...Р»PsСҖPsC, С-Р°Р·РөPРrPsPj СҖРiPsСҖС, РμСҖС-РiР°С”С, СҖСҖСЦЦ
РrPsРrР°С, РePsPIPμ Р·PSPөP¶PμPSPSCЦ AT. РμPsСҖРөР»РμPSPөР№
Р°PSC, РөPiС-РiРμСҖС, РμPSP·РөPIPSPөР№ РμС,, РμPeC, С, Р°PePsP¶
PIC-РrР·PSP°СҖР°С”С, СҖСҖСЦЦ, СЦРeC%oPs РeР°PSPРμСҖР°СҖС, Р°PS
СҖРөР»РμPeСҖРμС, РөР» РePsPjР±С-PSCҖРIP°С, Рө Р· Р°PjР»PsРrРөPiС-PSPsPj Р°Р±Ps
С,, РμP»PsРrРөPiС-PSPsPj.

Р»С-РeР°СҖСҖСҖРeC- Р·Р°СҖPsP±Рө, СЦРeC- Р±Р»PsPeСҖСҖС, СҖ СҖРμPSC-PS-
Р°PSPiС-PsC, РμPSP·РөPS-Р°Р»СҖРrPsСҖС, РμСҖPsPSPsPICҖ СҖРөСҖС, РμPjСҖ, PjР°СҖС, СҖ
PjРμPSC€ PIPөСҖР°Р¶PμPSPөР№ Р°PSC, РөPiС-РiРμСҖС, РμPSP·РөPIPSPөР№ РμС,, РμPeC, СҖ
РiР°СҖС-С”PSC, С-PI PSPμPiСҖPsC—РrPSPsC— СҖР°СҖРө (Р·Р°Р·PIPөСҖР°Р№ СҖРμ
РiPsРiСҖР»СЦСҖС-СЦ Р· PSPөP·СҖРeРөPj СҖС-PIPSPμPj СҖРμPSC-PSCҖ), PSC-Р¶ СҖ
РiР°СҖС-С”PSC, С-PI С-PSC€РөC... СҖР°СҖ. РiРμ С, Р°PePsP¶ С...Р°СҖР°РeC, РμСҖPSPs РrР»СЦ
РeР°PSPРμСҖР°СҖС, Р°PSCҖ.

РҖР°PSPРμСҖР°СҖС, Р°PS Р·Р±С-Р»СҖС€СҖС” PSPөСҖРePsPIPөР№ РeСҖPsPIPсC, С-Рe С-
Р°Р±Ps PSPμ PIPiР»РөPIP°С” PSP° С€PIPөPРeC-СҖС, СҖ РeР»СҖР±PsСҖРePsPIPсC—
С,, С-Р»СҖС, СҖР°СҖС—, Р°Р±Ps Р·Р±С-Р»СҖС€СҖС” С—С—, С, PsРrС- СЦРe PsPiС-СҖ

PSPëCĤPePsPIPëC... CÍCÍPrPëPS C- C,,C-P»CHC,CĤP°C†C-PNëPSP° C,,CĤP°PeC†C-CĬ P·PSPëP¶CfCĤC,CHCÍCĬ. PJ 3-PjC-CÍCĬC†PSPsPjCÍ PeP»C-PSC-C†PSPsPjCÍ PrPsCÍP»C-PrP¶PµPSPSC- P·P° CÍC†P°CÍC,CĤ PiP°C†C-C”PSC,C-PI P· P°CĤC,PµCĤC-P°P»CHPSPsCĤ PiC-PiPµCĤC,PµPSP·C-C”CĤ, C†CÍPeCĤPsPIPëPj PrC-P°P±PµC,PsPj 2 C,PëPiCÍ C- PjC-PeCĤPsP°P»CHP±CÍPjC-PSCÍCĤC-C”CĤ P°PSC,PëPiC-PiPµCĤC,PµPSP·PëPIPSPµ P»C-PeCÍPIP°PSPSCĬ PeP°PSPPrPµCÍP°CĤC,P°PSCÍ C†PëP»PµPeCÍPµC,PëP»PsPj P·PjPµPSC€CÍPIP°P»Ps PIPëPIPµPrPµPSPSCĬ P°P»CHP±CÍPjC-PSCÍ P· CÍPµC†PµCĤ. PkP° PrP°PSPëPNë C†P°CÍ PIC-PrCÍCÍC,PSC- PrP°PSC- C%PsPrPs PIPiP»PëPICÍ PeP°PSPPrPµCÍP°CĤC,P°PSCÍ PSP° PiCĤPsPiCĤPµCÍCÍPIP°PSPSCĬ PrC-P°P±PµC,PëC†PSPsC— PSPµC,,CĤPsPiP°C,C-C—.

P’PiP»PëPI PeP°PSPPrPµCÍP°CĤC,P°PSCÍ C†PëP»PµPeCÍPµC,PëP»CÍ, P·P°CÍC,PsCÍPsPICÍPIP°PSPsPiPs CÍ PrPsP·P°C... 8BĤ“16 PjPi (CÍPµCĤPµPrPSCĬ PrPsP·P° BĤ“ 12 PjPi) 1 CĤP°P· PSP° PrPsP±CÍ, PSP° CÍPµCĤC†PµPIPs-CÍCÍPrPëPSPSCÍ P·P°C...PIPsCĤCĤPIP°PSC-CÍC,CĤ C- P»PµC,P°P»CHPSC-CÍC,CĤ PsC†C-PSCĤPIP°P»Pë CÍ C...PsPrC- CĤP°PSPPrPsPjC-P·PsPIP°PSPsPiPs PiP»P°C†PµP±PsPePsPSC,CĤPsP»CHPSPiP°PSPsPiPs PeP»C-PSC-C†PSPsPiPs PrPsCÍP»C-PrP¶PµPSPSCĬ P·P° CÍC†P°CÍC,CĤ PiP°C†C-C”PSC,C-PI P»C-C,PSCHPsPiPs PIC-PeCÍB P· P»PµPiPePsCĤ C,P° PiPsPjC-CĤPSPsCĤ PiC-PiPµCĤC,PµPSP·C-C”CĤ C-P· CÍPµCĤPµPrPSCĤPsCĤ C,CĤPëPIP°P»C-CÍC,CĤ 3,7 CĤPsPeCÍ.

PkPµ P±CÍP»Ps PIPëCĬPIP»PµPSPs CÍC,P°C,PëCÍC,PëC†PSPs P·PSP°C†CÍC%PsC— CĤC-P·PSPëC†C- CÍ PiPµCĤPIPëPSPSC-PNë PeC-PSC†PµPIC-PNë C,PsC†C†C-, PeC-P»CHPePsCÍC,C- PIPµP»PëPePëC... CÍPµCĤC†PµPIPs-CÍCÍPrPëPSPSPëC... CĬPIPëC% (CÍPµCĤC†PµPIPs-CÍCÍPrPëPSPSP° CÍPjPµCĤC,PSC-CÍC,CĤ, PSPµP»PµC,P°P»CHPSPëPNë C-PSCÍCÍP»CHC, C,P° PSPµP»PµC,P°P»CHPSPëPNë C-PSC,,P°CĤPeC, PjC-PsPeP°CĤPrP°) CÍ PiCĤCÍPiC- P»C-PeCÍPIP°PSPSCĬ PeP°PSPPrPµCÍP°CĤC,P°PSPsPj C- CÍ PePsPSC,CĤPsP»CHPSC-PNë PiCĤCÍPiC-.

PJ C...PsPrC- PiCĤPsPIPµPrPµPSPSCĬ CĤP°PSPPrPsPjC-P·PsPIP°PSPëC... PePsPSC,CĤPsP»CHPSPiP°PSPëC... PeP»C-PSC-C†PSPëC... PrPsCÍP»C-PrP¶PµPSCĤ ONTARGET C,P° VA NEPHRON-D PIPëPIC†P°P»Pë PiPµCĤPµPIP°PiPë P·P°CÍC,PsCÍCÍPIP°PSPSCĬ PePsPjP±C-PSP°C†C-C— C-PSPiC-P±C-C,PsCĤP° PhPµPα P· P±P»PsPeP°C,PsCĤPsPj CĤPµC†PµPiC,PsCĤC-PI P°PSPiC-PsC,PµPSP·PëPSCÍ II. P”PsCÍP»C-PrP¶PµPSPSCĬ ONTARGET PiCĤPsPIPsPrPëP»PsCÍCĬ P·P° CÍC†P°CÍC,CĤ PiP°C†C-C”PSC,C-PI C-P· CÍPµCĤC†PµPIPs- CÍCÍPrPëPSPSPëPj P°P±Ps C†PµCĤPµP±CĤPsPIP°CÍPeCÍP»CĬCĤPSPëPj P·P°C...PIPsCĤCĤPIP°PSPSCĬPj PI P°PSP°PjPSPµP·C- P°P±Ps C†CÍPeCĤPsPIPëPj PrC-P°P±PµC,PsPj 2 C,PëPiCÍ, C%Ps CÍCÍPiCĤPsPIPsPrP¶CÍPIP°PICÍCĬ PsP·PSP°PeP°PjPë CÍCĤP°P¶PµPSPSCĬ PsCĤPiP°PSC-PI-PjC-C€PµPSPµPNë. P”PsCÍP»C-PrP¶PµPSPSCĬ VA NEPHRON-D PiCĤPsPIPsPrPëP»Pë P·P° CÍC†P°CÍC,CĤ PiP°C†C-C”PSC,C-PI C-P· C†CÍPeCĤPsPIPëPj PrC-P°P±PµC,PsPj 2 C,PëPiCÍ C,P° PrC-P°P±PµC,PëC†PSPsCĤ PSPµC,,CĤPsPiP°C,C-C”CĤ.

PjC- PrPsCÍP»C-PrP¶PµPSPSCĬ PSPµ PIPëCĬPIPëP»Pë P·PSP°C†CÍC%PsPiPs CÍPiCĤPëCĬC,P»PëPIPsPiPs PIPiP»PëPICÍ PSP° PSPëCĤPePsPIC- C,P°/P°P±Ps CÍPµCĤC†PµPIPs- CÍCÍPrPëPSPSC- PiP°CĤP°PjPµC,CĤPë C,P° CÍPjPµCĤC,PSC-CÍC,CĤ, PIPsPrPSPsC†P°CÍ CÍPiPsCÍC,PµCĤC-PiP°PICÍCĬ PiC-PrPIPëC%PµPSPëPNë CĤPëP·PëPe PiC-PiPµCĤPeP°P»C-C”PjC-C—, PiPsCÍC,CĤPsPiPs CÍCĤP°P¶PµPSPSCĬ PSPëCĤPsPe C,P°/P°P±Ps P°CĤC,PµCĤC-P°P»CHPSPsC— PiC-PiPsC,PµPSP·C-C— PiPsCĤC-PIPSCĬPSPs P· C,P°PePëPj PiCĤPë PjPsPSPsC,PµCĤP°PiC-C—. P—P°PIPrCĬPePë PiPsPrC-P±PSPëPj C,,P°CĤPjP°PePsPrPëPSP°PjC-C†PSPëPj PIP»P°CÍC,PëPIPsCÍC,CĬPj PIPëC%PµP·P°P·PSP°C†PµPSPëC... P»C-PeP°CĤCÍCHPePëC... P·P°CÍPsP±C-PI

PsC, CḥPḥPjP°PSC- CḥPμP·CfP»CHC, P°C, Pḥ C" P°PeC, CfP°P»CHPSPḥPjPḥ PrP»Cḥ C-PSCḥPḥC...
C-PSPiC-P±C-C, PsCḥC-PI PḥPμPα C, P° P°PSC, P°PiPsPSC-CfC, C-PI CḥPμC†PμPiC, PsCḥC-PI
P°PSPiC-PsC, PμPSP·PḥPSCr II.

PḥPsPjCf PSPμ CfP»C-Pr P·P°CfC, PsCfPsPICfPIP°C, Pḥ PsPrPSPsC†P°CfPSPs
C-PSPiC-P±C-C, PsCḥPḥ PḥPμPα C, P° P°PSC, P°PiPsPSC-CfC, Pḥ CḥPμC†PμPiC, PsCḥC-PI
P°PSPiC-PsC, PμPSP·PḥPSCr II PīP°C†C-C" PSC, P°Pj P· PrC-P°P±PμC, PḥC†PSPsCḥ
PSPμC,, CḥPsPīP°C, C-C" Cḥ.

P"PsCfP»C-PrP¶PμPSPSCḥ ALTITUDE PīCḥPsPIPsPrPḥP»PsCfCḥ P·P° CfC†P°CfC, Cḥ
PīP°C†C-C" PSC, C-PI C-P· C†CfPeCḥPsPIPḥPj PrC-P°P±PμC, PsPj 2 C, PḥPīCf C, P°
C...CḥPsPSC-C†PSPḥPj P·P°C...PIPsCḥCḥPIP°PSPSCḥPj PSPḥCḥPsPe C-/P°P±Ps
CfPμCḥC†PμPIPs-CfCfPrPḥPSPSPḥPj P·P°C...PIPsCḥCḥPIP°PSPSCḥPj PrP»Cḥ
PīPμCḥPμPIC-CḥPePḥ PīPμCḥPμPIP°Pi PrPsPrP°PIP°PSPSCḥ P°P»C-CfPeC-CḥPμPSCr PrPs
CfC, P°PSPrP°CḥC, PSPsC— C, PμCḥP°PīC-C— C-PSPiC-P±C-C, PsCḥPsPj PḥPμPα P°P±Ps
P±P»PsPeP°C, PsCḥPsPj CḥPμC†PμPiC, PsCḥC-PI P°PSPiC-PsC, PμPSP·PḥPSCr II.

Pj P·PiBḥ™ CḥP·PeCf P· PīC-PrPIPḥC%PμPSPḥPj CḥPḥP·PḥPePsPj PIPḥPSPḥPePSPμPSPSCḥ
PīPsP±C-C†PSPḥC... CḥPμP°PeC†C-PNḥ C†Pμ PrPsCfP»C-PrP¶PμPSPSCḥ P±CfP»Ps
PīCḥPḥPīPḥPSPμPSPs PrPsCfC, CḥPsPePsPIPs. PḥPjPμCḥC, Cḥ PIC-Pr CfPμCḥC†PμPIPs-
CfCfPrPḥPSPSPḥC... P·P°C...PIPsCḥCḥPIP°PSCḥ C, P° C-PSCfCfP»CHC, PIPḥPSPḥPeP°P»Pḥ
C†P°CfC, C-CḥPμ PI PīCḥCfPīC- P·P°CfC, PsCfCfPIP°PSPSCḥ P°P»C-CfPeC-CḥPμPSCr, PSC-P¶
Cf PīCḥCfPīC- PīP»P°C†PμP±Ps. PḥP°CfC, PsC, P° PIPḥPSPḥPePSPμPSPSCḥ PīPsP±C-C†PSPḥC...
CḥPμP°PeC†C-PNḥ, PIPḥP»CḥC†P°CḥC†Pḥ CfPμCḥPNḥPsP·PSC- PīPsP±C-C†PSC-
CḥPμP°PeC†C-C— (PīC-PīPμCḥPeP°P»C-C" PjC-Cḥ, P°CḥC, PμCḥC-P°P»CHPSP°
PīC-PīPsC, PμPSP·C-Cḥ C, P° PSPḥCḥPePsPIP° PSPμPrPsCfC, P°C, PSC-CfC, Cḥ), P±CfP»P°
PIPḥC%PsCḥ Cf PīCḥCfPīC- P°P»C-CfPeC-CḥPμPSCr, PSC-P¶ Cf PīCḥCfPīC- PīP»P°C†PμP±Ps.

PḥPμCḥC†PμPIP° PSPμPrPsCfC, P°C, PSC-CfC, Cḥ

P>C-PeCfPIP°PSPSCḥ PeP°PSPrPμCfP°CḥC, P°PSCr C†PḥP»PμPeCfPμC, PḥP»PsPj P·PSPḥP¶CfC"
P»PμC, P°P»CHPSC-CfC, Cḥ, P·PSPḥP¶CfC" PeC-P»CHPeC-CfC, Cḥ
PīPsCfPīC-C, P°P»C-P·P°C†C-PNḥ P· PīCḥPḥPIPsPrCf CfPμCḥC†PμPIPsC—
PSPμPrPsCfC, P°C, PSPsCfC, C- C, P° PīPsP»PμPiCḥCfC" CfPḥPjPīC, PsPjPḥ Cf PīP°C†C-C" PSC, C-PI
C-P· CfPḥCfC, PsP»C-C†PSPsCḥ PrPḥCfC,, CfPSPeC†C-C" Cḥ P»C-PIPsPiPs CḥP»CfPSPsC†PeP°,
C%Ps P±CfP»Ps PīPsPeP°P·P°PSPs Cf C...PsPrC- PīCḥPsPīCḥP°PjPḥ
B«PḥP°PSPrPμCfP°CḥC, P°PS PīCḥPḥ CfPμCḥC†PμPIC-PNḥ PSPμPrPsCfC, P°C, PSPsCfC, C- Bḥ"
PsC†C-PSCḥPIP°PSPSCḥ P·PSPḥP¶PμPSPSCḥ P»PμC, P°P»CHPSPsCfC, C- C, P°
P·P°C...PIPsCḥCḥPIP°PSPsCfC, C-B» (CHARM).

PμPsP·PḥC, PḥPIPSPḥPNḥ PIPīP»PḥPI PeP°PSPrPμCfP°CḥC, P°PSCr PSP° P·PSPḥP¶PμPSPSCḥ
P»PμC, P°P»CHPSPsCfC, C- PIC-Pr CfPμCḥC†PμPIPs-CfCfPrPḥPSPSPḥC...
P·P°C...PIPsCḥCḥPIP°PSCḥ P°P±Ps C†P°CfC, PsC, Cf PīPμCḥCḥPsC—
PīPsCfPīC-C, P°P»C-P·P°C†C-C— C†PμCḥPμP· C...CḥPsPSC-C†PSCr CfPμCḥC†PμPICr
PSPμPrPsCfC, P°C, PSC-CfC, Cḥ (PīPḥPḥ) P±CfPI PSPμP·PjC-PSPSPḥPj PSPμP·P°P»PμP¶PSPs
PIC-Pr PIC-PeCf, CfC, P°C, C- C, P° CfCfPīCfC, PSCḥPsPiPs P»C-PeCfPIP°PSPSCḥ.
PḥP°PSPrPμCfP°CḥC, P°PS P±CfPI C, P°PePsP¶ PμC,, PμPeC, PḥPIPSPḥPj Cf PīP°C†C-C" PSC, C-PI,
CḥPeC- PsPrPSPsC†P°CfPSPs PīCḥPḥPNḥPjP°P»Pḥ CḥPe P±PμC, P°-P±P»PsPeP°C, PsCḥPḥ, C, P°Ps
C- C-PSPiC-P±C-C, PsCḥPḥ PḥPμPα, PīCḥPḥ C†CḥPsPjCf PīPsP·PḥC, PḥPIPSPḥPNḥ PμC,, PμPeC,
P±CfPI PsC, CḥPḥPjP°PSPḥPNḥ PSPμP·P°P»PμP¶PSPs PIC-Pr C, PsPiPs, C†Pḥ PīCḥPḥPNḥPjP°PI
PīP°C†C-C" PSC, C-PSPiC-P±C-C, PsCḥPḥ PḥPμPα Cf C†C-P»CHPsPIC-PNḥ PrPsP·C-,
CḥPμPePsPjPμPSPrPsPIP°PSC-PNḥ PSP°CfC, P°PSPsPIP°PjPḥ P· P»C-PeCfPIP°PSPSCḥ.

PJ PiP°C†C-C" PSC, C-PI P. P†PŸP k C, P° P·PSPëP¶PµPSPsCĤ C†PëC†C, PsP»C-C†PSPsCĤ C,, C†PSPeC†C-C" CĤ P»C-PIPsPiPs CëP»C†PSPsC†PeP° (C,, CĤP°PeC†C-C† PIPëPePëPrC† P»C-PIPsPiPs CëP»C†PSPsC†PeP° ≤40 %) PeP°PSPrPµC†P°CĤC, P°PS P·PSPëP¶C†C" C†PëC†C, PµPjPSPëPµ C†C†PrPëPSPSPëPµ PsPiC-CĤ C- C, PëC†Pe P·P°PeP»PëPSCĤPIP°PSPSC† P»PµPiPµPSPµPIPëC... PeP°PiC-P»C†CĤC-PI, PiC-PrPIPëC%oC†C" P°PeC, PëPIPSC-C†C, CĤ CĤPµPSC-PSC† C† PiP»P°P·PjC- PeCĤPsPIC- C- PePsPSC†PµPSC, CĤP°C†C-CĤ P°PSPiC-PsC, PµPSP·PëPSC† II, P° C, P°PePsP¶ P·PSPëP¶C†C" CĤC-PIPµPSCĤ P°P»CĤPrPsC†C, PµCĤPsPSC†.

PαP°CĤPjP°PePsPeC-PSPµC, PëPeP°

PĥP±C†PsCĤP±C†C-C† C, P° CĤPsP·PiPsPrC-P»

PµC-C†P»C† PiCĤPëPµPsPjC† PIPSC†C, CĤC-CëPSCĤPs PeP°PSPrPµC†P°CĤC, P°PSC† C†PëP»PµPeC†PµC, PëP» PiPµCĤPµC, PIPsCĤCĤC" C, CĤC†C† PSP° P°PeC, PëPIPSC† CĤPµC†PsPIPëPSC† PeP°PSPrPµC†P°CĤC, P°PS. PĥP±C†PsP»CĤC, PSP° P±C-PsPrPsC†C, C†PiPSC-C†C, CĤ PeP°PSPrPµC†P°CĤC, P°PSC† C†C, P°PSPsPIPëC, CĤ PiCĤPëP±P»PëP·PSPs 40 % PiC-C†P»C† PiCĤPëPµPsPjC† PIPSC†C, CĤC-CëPSCĤPs CĤPsP·C†PëPSC† PeP°PSPrPµC†P°CĤC, P°PSC† C†PëP»PµPeC†PµC, PëP»C†. P' C-PrPSPsC†PSP° P±C-PsPrPsC†C, C†PiPSC-C†C, CĤ P»C-PeP°CĤC†CĤPePsC— C,, PsCĤPjPë C, P°P±P»PµC, PsPe PiPsCĤC-PIPSC†PSPs P· C, PëPj P¶Pµ CĤPsP·C†PëPSPsPj PrP»C† PiCĤPëPµPsPjC† PIPSC†C, CĤC-CëPSCĤPs C†C, P°PSPsPIPëC, CĤ P±P»PëP·CĤPePs 34 % C-P· PrC†P¶Pµ PSPµP·PSP°C†PSPsCĤ PjC-PSP»PëPIC-C†C, CĤ. P PsP·CĤP°C... PsPIP°PSP° P°P±C†PsP»CĤC, PSP° P±C-PsPrPsC†C, C†PiPSC-C†C, CĤ C, P°P±P»PµC, PePë C, P°PePëPj C†PëPSPsPj C†C, P°PSPsPIPëC, CĤ 14 %. PŸPµCĤPµPrPSC-Pµ PiC-Pe C†PëCĤPsPIP°C, PePsPIPSC— PePsPSC†PµPSC, CĤP°C†C-C— (PŸmax) PrPsC†C†PiP°C" C, CĤC†C† C†PµCĤPµP· 3-4 PiPsPrPëPSPë PiC-C†P»C† PiCĤPëPµPsPjC† C, P°P±P»PµC, PePë. PŸPëCĤPsPIP°C, PePsPIP° PePsPSC†PµPSC, CĤP°C†C-C† PeP°PSPrPµC†P°CĤC, P°PSC† P»C-PSC-PµPSPs P·CĤPsC†C, P°C" P·C- P·P±C-P»CĤCëPµPSPSC†Pj PrPsP· C† PjPµP¶P°C... C, PµCĤP°PiPµPIC, PëC†PSPsPiPs PrC-P°PiP°P·PsPSC† PrPsP·C†PIP°PSPSC†. PŸC, P°C, PµPIPëC... PIC-PrPjC-PSPSPsC†C, PµPµ C† C,, P°CĤPjP°PePsPeC-PSPµC, PëC†C- PeP°PSPrPµC†P°CĤC, P°PSC† PSPµ PIPëC†PIP»PµPSPs. PµP»PsC%oP° PiC-Pr PeCĤPëPiPsCĤ B«C†PëCĤPsPIP°C, PePsPIP° PePsPSC†PµPSC, CĤP°C†C-C† PiPsCĤC-PIPSC†PSPs P· C†P°C†PsPjB» (AUC) PeP°PSPrPµC†P°CĤC, P°PSC† PSPµ P·P°P·PSP°C" C-C†C, PsC, PSPëC... P·PjC-PS PiC-Pr PIPiP»PëPIPsPj C—P¶C-.

PµP°PSPrPµC†P°CĤC, P°PS P·PSP°C†PSPsCĤ PjC-CĤPsCĤ P·PiBĤ™ C†P·C†C" C, CĤC†C† P· P±C-P»PeP°PjPë PiP»P°P·PjPë PeCĤPsPIC- PiPsPSP°Pr BĤ" 99 %. PjC†PIPSPëPµ PsP±BĤ™ C" Pj CĤPsP·PiPsPrC-P»C† PeP°PSPrPµC†P°CĤC, P°PSC† C†C, P°PSPsPIPëC, CĤ 0,1 P»/PePi.

P' C-PsPrPsC†C, C†PiPSC-C†C, CĤ PeP°PSPrPµC†P°CĤC, P°PSC† PSPµ P·P°P·PSP°C" P·PjC-PS PiC-Pr PIPiP»PëPIPsPj C—P¶C-.

PĥPµC, P°P±PsP»C-P·Pj C, P° PIPëPIPµPrPµPSPSC†

PµP°PSPrPµC†P°CĤC, P°PS PIPëPIPsPrPëC, CĤC†C† PiPµCĤPµPIP°P¶PSPs C† PSPµP·PjC-PSPµPSPsPjC† PIPëPiP»C†PrC- C-P· C†PµC†PµCĤ C, P° P¶PsPIC†C†, C- C, C-P»CĤPePë PSPµP·PSP°C†PSPsCĤ PjC-CĤPsCĤ BĤ" P·P° CĤP°C... C†PSPsPe PiPµC†C-PSPePsPiPs PjPµC, P°P±PsP»C-P·PjC† (CYP2C9). P k P°C†PIPSC- PrPsC†P»C-PrP¶PµPSPSC† PIP·P°C" PjPsPrC-C— PIPeP°P·C†CĤC, CĤ PSP° PIC-PrC†C†C, PSC-C†C, CĤ PIPiP»PëPIC† PSP° CYP2C9 C- CYP3A4.

P'PëC...PsPrC†C†Pë P· PrP°PSPëC... *in vitro* PrPsC†P»C-PrP¶PµPSCĤ, PSPµ

PsC±C-PeCfC”C,CHCfCfC in vivo PIP·P°C”PjPsPrC-C— P· PíCfPµPíP°CfP°C,P°PjPë,
PjPµC,P°P±PsP»C-P·Pj CfPePëC... P·P°P»PµP¶PëC,CH PIC-Pr C-P·PsC,,PµCfPjPµPSC,C-PI
CYP1A2, CYP2A6, CYP2C9, CYP2C19, CYP2D6, CYP2E1 P°P±Ps CYP3A4 C†PëC,PsC...CfPsPjCf
P 450. PµC-PSC†PµPIPëPµ PíPµCfC-PsPr PSP°PíC-PIPIPëPIPµPrPµPSPSCf
PeP°PSPPrPµCfP°CfC,P°PSCf CfC,P°PSPsPIPëC,CH PíCfPëP±P»PëP·PSPs 9 PiPsPrPëPS.
PµCfPjCfP»CfC†C-C— PíCfPµPíP°CfP°C,Cf PíC-CfP»Cf P±P°PíP°C,PsCfP°P·PsPIPsPiPs
PíCfPëPµPsPjCf PSPµPjP°C”.

P—P°PíP°P»CHPSPëPµ PíP»P°P·PjPsPIPëPµ PeP»C-CfPµPSCf PeP°PSPPrPµCfP°CfC,P°PSCf
CfC,P°PSPsPIPëC,CH PíCfPëP±P»PëP·PSPs 0,37 PjP»/C...PI/PePi P· PSPëCfPePsPIPëPj
PeP»C-CfPµPSCfPsPj P±P»PëP·CHPePs 0,19 PjP»/C...PI/PePi. P’PëPIPµPrPµPSPSCf
PSPëCfPeP°PjPë PeP°PSPPrPµCfP°CfC,P°PSCf PIC-PrP±CfPIP°C”C,CHCfCfCf CfPe
CëP»CfC...PsPj PeP»CfP±PsC±PePsPIPsC— C,,C-P»CHC,CfP°C†C-C—, C,P°Pe C-
CëP»CfC...PsPj P°PeC,PëPIPSPsC— PeP°PSP°P»CHC†PµPIPsC— CfPµPeCfPµC†C-C—.
PµC-CfP»Cf PíCfPëPµPsPjCf PIPSCfC,CfC-CëPSCfPs PrPsP·Pë PeP°PSPPrPµCfP°CfC,P°PSCf
C†PëP»PµPeCfPµC,PëP»Cf, PjC-C†PµPSPsPiPs CfP°PrC-PsC-P·PsC,PsPíPsPj ¹⁴PŸ,
PíCfPëP±P»PëP·PSPs 26 % PrPsP·Pë PIPëPIPsPrPëC,CHCfCfCf C-P· CfPµC†PµCf Cf
PIPëPiP»CfPrC- PeP°PSPPrPµCfP°CfC,P°PSCf C- 7 % Bf” Cf PIPëPiP»CfPrC-
PSPµP°PeC,PëPIPSPsPiPs PjPµC,P°P±PsP»C-C,Cf, C,PsPrC- CfPe PíCfPëP±P»PëP·PSPs
56 % PrPsP·Pë PIPëPIPsPrPëC,CHCfCfCf P· PeP°P»PsPj Cf PIPëPiP»CfPrC-
PeP°PSPPrPµCfP°CfC,P°PSCf C- 10 % Bf” Cf PIPëPiP»CfPrC- PSPµP°PeC,PëPIPSPsPiPs
PjPµC,P°P±PsP»C-C,Cf.

PµCfPjP°PePsPeC-PSPµC,PëPeP° PI PsCfPsP±P»PëPIPëC... PeP°C,PµPiPsCfC-Pµ
PíP°C†C-C”PSC,C-PI

P’ PsCfC-P± P»C-C,PSCHPsPiPs PIC-PeCf (PIC-Pr 65 CfPsPeC-PI) PŸ_{mP°C...} C,P° PjUPŸ
PeP°PSPPrPµCfP°CfC,P°PSCf PíC-PrPIPëC%óCfPIP°P»PëCfCf PíCfPëP±P»PëP·PSPs PSP° 50 %
C- 80 %, PIC-PrPíPsPIC-PrPSPs PíPsCfC-PIPSfPSPs P· PjPsP»PsPrPëPjPë P»CHPrCHPjPë.
PµCfPsC,Pµ CfPµP°PeC†C-Cf PjPŸ C- C†P°CfC,PsC,P° PSPµP±P°P¶P°PSPëC... CfPIPëC%ó
P±CfP»Pë PíPsPrC-P±PSPëPjPë PíC-CfP»Cf PíCfPëPµPsPjCf PrPsP·Pë PíCfPµPíP°CfP°C,Cf
PµCfP°CfP°CfPë^B PjPsP»PsPrPëPjPë PíP°C†C-C”PSC,P°PjPë C,P° PíP°C†C-C”PSC,P°PjPë
P»C-C,PSCHPsPiPs PIC-PeCf.

Pj PíP°C†C-C”PSC,C-PI P· P»PµPiPePsCf C,P° PíPsPjC-CfPSPsCf PSPëCfPePsPIPsCf
PSPµPrPsCfC,P°C,PSC-CfC,Cf PŸ_{mP°C...} C,P° PjUPŸ PeP°PSPPrPµCfP°CfC,P°PSCf
P·CfPsCfC,P°P»Pë PíCfPë PíPsPIC,PsCfPSPsPjCf PíCfPëPµPsPjC- PíCfPëP±P»PëP·PSPs PSP°
50 % C- 70 % PIC-PrPíPsPIC-PrPSPs, P°P»Pµ t_{1/2} P·P°P»PëCëP°PICfCf PSPµP·PjC-PSPSPëPj
PíPsCfC-PIPSfPSPs P· PíP°C†C-C”PSC,P°PjPë, CfPeC- PjP°P»Pë PSPsCfPjP°P»CHPSCf
C,,CfPSPeC†C-Cf PSPëCfPsPe. P’C-PrPíPsPIC-PrPSC- P·PjC-PSPë Cf PíP°C†C-C”PSC,C-PI P·
C,CfP¶PePsCf PSPëCfPePsPIPsCf PSPµPrPsCfC,P°C,PSC-CfC,Cf CfC,P°PSPsPIPëP»Pë
PíCfPëP±P»PëP·PSPs 50 % C- 110 % PIC-PrPíPsPIC-PrPSPs.

PµC-PSC†PµPIPëPµ t_{1/2} PeP°PSPPrPµCfP°CfC,P°PSCf P±CfPI PíCfPëP±P»PëP·PSPs
PíPsPrPIPsC”PSPëPj Cf PíP°C†C-C”PSC,C-PI P· C,CfP¶PePsCf PSPëCfPePsPIPsCf
PSPµPrPsCfC,P°C,PSC-CfC,Cf. PjUPŸ PeP°PSPPrPµCfP°CfC,P°PSCf Cf PíP°C†C-C”PSC,C-PI,
CfPeC- P·PSP°C...PsPrCfC,CHCfCfCf PSP° PíPµPjPsPrC-P°P»C-P·C-, P±CfP»P°
P±P»PëP·CHPePsCf PrPs PíPsPeP°P·PSPëPeP° Cf PíP°C†C-C”PSC,C-PI P· C,CfP¶PePsCf
PSPëCfPePsPIPsCf PSPµPrPsCfC,P°C,PSC-CfC,Cf.

PJ PrPIPsC... PrPsCfP»C-PrP¶PµPSPSC¶C..., C%Ps PIPeP»C¶C±P°P»Pë PiP°C†C-C"psc,C-PI P· P»PµPiPePsC¶ C,P° PiPsPjC-C¶PSPsC¶ PiPµC±C-PSPePsPIPsC¶ PSPµPrPsCfC,P°c,PSC-CfC,C¶, C¶PiPsCfC,PµC¶C-PiP°P»PsCfC¶ P·C¶PsCfC,P°PSPSC¶ C¶PµC¶PµPrPSC¶PsC— P¶UPŸ PeP°PSPPrPµCfP°C¶C,P°PSCr PiC¶PëP±P»PëP·PSPs PSP° 20 % PI PsPrPSPsPjCf PrPsCfP»C-PrP¶PµPSPSC- C- PSP° 80 % PI C-PSCePsPjCf PrPsCfP»C-PrP¶PµPSPSC-. P"PsCfPIC-Pr P·P°CfC,PsCfCfPIP°PSPSC¶ PiC¶PµPiP°C¶P°c,Cr PiP°C†C-C"psc,P°Pj P· C,C¶P¶PePsC¶ PiPµC±C-PSPePsPIPsC¶ PSPµPrPsCfC,P°c,PSC-CfC,C¶ PIC-PrCfCfC,PSC-PNë.

РљР»С-РSC-С±РSC- С...Р°С¶Р°РeС,РµС¶РeСfС,РeРePë

РµРsРeР°Р·Р°РSPSC¶

P>C-РeCfPIP°PSPSC¶ PµCfPµPSC†C-P°P»C¶PSPsC— PiC-PiPµC¶C,PµPSP·C-C— Cr PrPsC¶PsCfP»PëC....

P>C-РeCfPIP°PSPSC¶ PrPsC¶PsCfP»PëC... PiP°C†C-C"psc,C-PI C-P· C¶PµC¶C†PµPIPsC¶ PSPµPrPsCfC,P°c,PSC-CfC,C¶ C- PiPsC¶CfC¶PµPSPSC¶Pj C¶PëCfC,PsP»C-C±PSPsC— C„CfPSPeC†C-C— P»C-PIPsPiPs C¶P»CfPSPsC±PeP° (C„C¶P°PeC†C-C¶ PIPëPePëPrCf P»C-PIPsPiPs C¶P»CfPSPsC±PeP° ≤40 %) PiC¶Pë PSPµPiPµC¶PµPSPsCfPëPjPsCfC,C- C-PSPiC-P±C-C,PsC¶C-PI P°PSPiC-PsC,PµPSP·PëPSPiPµC¶PµC,PIPsC¶C¶PIP°P»C¶PSPsPiPs C„PµC¶PjPµPSC,Cr (P¶PµPα) P°P±Ps C¶Pe PrPsPrP°c,PePsPIP° C,PµC¶P°PiC-C¶ PrPs P»C-РeCfPIP°PSPSC¶ C-PSPiC-P±C-C,PsC¶P°PjPë P¶PµPα Cr C...PIPsC¶PëC... C-P· C¶PëPjPiC,PsPjP°PjPë C¶PµC¶C†PµPIPsC— PSPµPrPsCfC,P°c,PSPsCfC,C-, PSPµP·PIP°P¶P°C¶Pë PSP° PsPiC,PëPjP°P»C¶PSCr C,PµC¶P°PiC-C¶, PiC¶Pë PSPµPiPµC¶PµPSPsCfPëPjPsCfC,C- P°PSC,P°PiPsPSC-CfC,C-PI C¶PµC†PµPiC,PsC¶C-PI PjC-PSPµC¶P°P»PsPePsC¶C,PëPePsC—PrC-PI (PrPëPI. C¶PsP·PrC-P»Pë B«PαP°C¶PjP°PePsPrPëPSP°PjC-РeP°B», B«P'P·P°C"¶PjPsPrC-C¶ P· C-PSCePëPjPë P»C-РeP°C¶CfC¶PëPëPjPë P·P°CfPsP±P°PjPë C,P° C-PSCeC- PIPëPrPë PIP·P°C"¶PjPsPrC-PNëB», B«P¶CfPsP±P»PëPIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSC¶B» C- B«PŸPiPsCfC-P± P·P°CfC,PsCfCfPIP°PSPSC¶ C,P° PrPsP·PëB»).

РµС¶РsС,РeРiРsРeР°Р·Р°РSPSC¶

P"С-PiPµC¶C†CfC,P»PëPIC-CfC,C¶ PrPs PeP°PSPPrPµCfP°C¶C,P°PSCr C†PëP»PµPeCfPµC,PëP»Cr P°P±Ps PrPs P±CfPrC¶C-C¶PePsC— P· PrPsPiPsPjC-P¶PSPëC... C¶PµC±PsPIPëPS.

PµPsC¶CfC¶PµPSPSC¶ C„CfPSPeC†C-C— PiPµC±C-PSPePë C,C¶P¶PePsPiPs CfC,CrPiPµPSC¶ C,P°/P°P±Ps C...PsP»PµCfC,P°P·.

PµP°C†C-C"psc,P°Pj C-P· C†CfPeC¶PsPIPëPj PrC-P°P±PµC,PsPj P°P±Ps PiPsC¶CfC¶PµPSPSC¶Pj C„CfPSPeC†C-C— PSPëC¶PsPe (PëP¶Pα <60 PjP»/C...PI/1,73 Pj²) PsPrPSPsC±P°CfPSPµ P·P°CfC,PsCfCfPIP°PSPSC¶ PeP°PSPPrPµCfP°C¶C,P°PSCr C†PëP»PµPeCfPµC,PëP»Cr C,P° PiC¶PµPiP°C¶P°c,C-PI, C%Ps PjC-CfC,C¶C,C¶ P°P»C-CfPeC-C¶PµPS, PiC¶PsC,PëPiPsPeP°P·P°PSPµ.

P'P°PiC-C,PSC- P°P±Ps P¶C-PSPePë, C¶PeC- PiP»P°PSCrC¶C,C¶ P·P°PIP°PiC-C,PSC-C,Pë (PrPëPI. C¶PsP·PrC-P» B«P—P°CfC,PsCfCfPIP°PSPSC¶ Cr PiPµC¶C-PsPr PIP°PiC-C,PSPsCfC,C- P°P±Ps PiPsPrCfPIP°PSPSC¶ PiC¶CfPrPrC¶B»).

P·P·P°C" PjPsPrC-CI P· C-PSC€P€PjPë P»C-PeP°C7CÍCHPePëPjPë P·P°CÍPsP±P°PjPë C,P° C-PSC€C- PIPëPrPë PIP·P°C" PjPsPrC-PNë

PµC7PµPíP°C7P°C,Pë, C%Ps PIPëPIC±P°P»PëCÍCI Cr PeP»C-PSC-C±PSPëC... C,,P°C7PjP°PePsPeC-PSPµC,PëC±PSPëC... PrPsCÍP»C-PrP¶PµPSPSCCI..., PIPeP»C7C±P°C7C,CH PiC-PrC7PsC...P»PsC7PsC,C-P°P·PëPr, PIP°C7C,,P°C7PëPS, PrPëPiPsPeCÍPëPS, PíPµC7PsC7P°P»CHPSC- PePsPSC,C7P°C±PµPíC,PëPIPë (C,PSP±C,Ps PµC,PëPSC-P»PµCÍC,C7P°PrC-PsP»/ P»PµPIPSPSPS7PíPµCÍC,C7PµP»), PíP»C-P±PµPSPeP»P°PjC-Pr, PSC-C,,PµPrPëPíC-PS C,P° PµPSP°P»P°PíC7PëP». P7P»C-PSC-C±PSPs P·PSP°C±CíC%PsC— C,,P°C7PjP°PePsPeC-PSPµC,PëC±PSPsC— PIP·P°C" PjPsPrC-C— P· C±PëPjPë P»C-PeP°C7CÍCHPePëPjPë P·P°CÍPsP±P°PjPë PSPµ PIPëCIPIP»PµPSPs.

P7PrPSPsC±P°CÍPSPµ P·P°CÍC,PsCÍCíPIP°PSPSCCI PeP°P»C-PNëP·P±PµC7C-PíP°C7C±PëC... PrC-CíC7PµC,PëPeC-PI, PíC7PµPíP°C7P°C,C-PI PeP°P»C-C7, P·P°PjC-PSPSPëPeC-PI CÍPsP»C-, C%Ps PjC-CÍC,CICI,CH PeP°P»C-PNë, P°P±Ps C-PSC€PëC... P»C-PeP°C7CÍCHPePëC... PíC7PµPíP°C7P°C,C-PI (PSP°PíC7PëPeP»P°Pr PíPµPíP°C7PëPSCí), PjPsP¶Pµ PíC-PrPIPëC%CíPIP°C,Pë C7C-PIPµPSC7 PeP°P»C-C7. P7PsPSC-C,PsC7PëPSPi C7C-PIPSC-PI PeP°P»C-C7 CÍP»C-Pr P·PrC-PNëCÍPSC7PIP°C,Pë PSP°P»PµP¶PSPëPj C±PëPSPsPj (PrPëPI. C7PsP·PrC-P» B«P7CÍPsP±P»PëPIPsCÍC,C- P·P°CÍC,PsCÍCíPIP°PSPSCCI B»).

PµPsPIC-PrPsPjP»CIIP»PsCÍCI PíC7Ps PsP±PsC7PsC,PSPµ PíC-PrPIPëC%PµPSPSCCI CÍPëC7PsPIP°C,PePsPIPëC... PePsPSC±PµPSC,C7P°C±C-PNë P»C-C,C-C7 C- C,PsPeCÍPëC±PSPsCÍC,C- PíC-Pr C±P°CÍ PsPrPSPsC±P°CÍPSPsPíPs PíC7PëPNëPsPjCí P»C-C,C-C7 C,P° C-PSPiC-P±C-C,PsC7C-PI P7PµPα.

PµPsPrC-P±PSPëPNë PµC,,PµPeC, PjPsP¶Pµ CÍPíPsCÍC,PµC7C-PíP°C,PëCÍCI PíC7Pë P·P°CÍC,PsCÍCíPIP°PSPSC- P7P P7 II. P—P°CÍC,PsCÍCíPIP°PSPSCCI PeP°PSPPrPµCÍP°C7C,P°PSCí P· P»C-C,C-C" Pj PSPµ C7PµPePsPjPµPSPPrCíC" C,CHCÍCI. PíPeC%Ps PíC-PrC,PIPµC7PPrP¶PµPSPs PSPµPsP±C...C-PrPSC-CÍC,CH PePsPjP±C-PSP°C±C-C—, C7PµPePsPjPµPSPPrCíC" C,CHCÍCI C7PµC,PµP»CHPSPëPNë PjPsPSC-C,PsC7PëPSPi CÍPëC7PsPIP°C,PePsPIPíPs C7C-PIPSC7 P»C-C,C-C7.

PµC7Pë PsPrPSPsC±P°CÍPSPsPjCí PIPiPµPrPµPSPSC- P7P P7 II P· PSPµCÍC,PµC7PsC—PrPSPëPjPë PíC7PsC,PëP·P°PíP°P»CHPSPëPjPë P·P°CÍPsP±P°PjPë (P7PµP—P—) (PSP°PíC7PëPeP»P°Pr CÍPµP»PµPeC,PëPIPSPëPjPë C-PSPiC-P±C-C,PsC7P°PjPë PíP7P"-2, P°C±PµC,PëP»CÍP°P»C-C±PëP»PsPIPsC7 PePëCÍP»PsC,PsC7 (> 3 Pi/PrPsP±Cí) C,P° PSPµCÍPµP»PµPeC,PëPIPSPëPjPë P7PµP—P—) PjPsP¶Pµ CÍPíPsCÍC,PµC7C-PíP°C,PëCÍCI PíPsCÍP»P°P±P»PµPSPSCCI P°PSC,PëPíC-PíPµC7C,PµPSP·PëPIPSsPíPs PµC,,PµPeC,Cí.

PíPe C- PíC7Pë P·P°CÍC,PsCÍCíPIP°PSPSC- C-PSPiC-P±C-C,PsC7C-PI P7PµPα, PsPrPSPsC±P°CÍPSPëPNë PíC7PëPNëPsPj P7P P7 II C,P° P7PµP—P— PjPsP¶Pµ PíC7PëP·PIPPrPëC,Pë PrPs PíC-PrPIPëC%PµPSPSCCI C7PëP·PëPeCí PíPsPíC-C7C€PµPSPSCCI C,,CíPSPeC±C-C— PSPëC7PsPe, PIPeP»C7C±P°C7C±Pë PjPsP¶P»PëPICí PíPsCÍC,C7Cí PSPëC7PePsPICí PSPµPrPsCÍC,P°C,PSC-CÍC,CH C,P° PíC-PrPIPëC%PµPSPSCCI C7C-PIPSCCI PeP°P»C-C7 Cí CÍPëC7PsPIP°C,C±C- PeC7PsPIC-, P·PsPeC7PµPjP° Cí PíP°C±C-C" PSC,C-PI P· PsCÍP»P°P±P»PµPSPsC7 PIP¶Pµ PSP° PíPsC±P°C,PeCí P»C-PeCíPIP°PSPSCCI C,,CíPSPeC±C-C" C7 PSPëC7PsPe. P7PsPjP±C-PSP°C±C-C7 CÍP»C-Pr P·P°CÍC,PsCÍPsPICíPIP°C,Pë P· PsP±PµC7PµP¶PSC-CÍC,C7, PsCÍPsP±P»PëPIPs PíP°C±C-C" PSC,P°Pj P»C-C,PSCHPsPíPs PIC-PeCí. PµP°C±C-C" PSC,Cí PSPµPsP±C...C-PrPSPs

PiCḥPsPIPμCíC,Pë PSP°P»PμP¶PSPëPj C‡PëPSPsPj PiC-PrCḥP°C,P°C†C-Cḥ C- CíP»C-Pr
PiCḥPëPrC-P»PëC,Pë CíPIP°PiCí PjPsPSC-C,PsCḥPëPSPiCí C,,CíPSPeC†C-C— PSPëCḥPsPe
PiC-CíP»Cí PíPsC‡P°C,PeCí CíCíPiCíC,PSCHPsC— C,PμCḥP°PiC-C— C,P°
PíPμCḥC-PsPrPëC‡PSPs Cí PiPsPrP°P»CHC€PsPjCí.

P°P°PSC- PeP»C-PSC-C‡PSPsPiPs PrPsCíP»C-PrP¶PμPSPSCí CíPIC-PrC‡P°C,CH, C%Ps
PíPsPrPIC-PM°PSP° P±P»PsPeP°PrP° CḥPμPSC-PS-P°P»CHPrPsCíC,PμCḥPsPS-
P°PSPiC-PsC,PμPSP·PëPSPsPiPsC— CíPëCíC,PμPjPë (P PḥPḥPŸ) P·P° PrPsPíPsPjPsPiPsCḥ
PePsPjP±C-PSPsPIP°PSPsPiPs P·P°CíC,PsCíCíPIP°PSPSCí C-PSPiC-P±C-C,PsCḥC-PI PḥPμPα C-
P±P»PsPeP°C,PsCḥC-PI P°PSPiC-PsC,PμPSP·PëPSCí P†P† P°P±Ps P°P»C-CíPeC-CḥPμPSCí
PíPsPiBḥ™ CíP·P°PSP° P· P±C-P»CHC€PsCḥ C‡P°CíC,PsC,PsCḥ PiPsP±C-C‡PSPëC...
CíPIPëC%, C,P°PePëC... CíPe PiC-PíPsC,PμPSP·C-Cí, PiC-PíPμCḥPeP°P»C-C”PjC-Cí C-
PíPsPiC-CḥC€PμPSPSCí C,,CíPSPeC†C-C— PSPëCḥPsPe (PIPeP»CḥC‡P°CḥC‡Pë PiPsCíC,CḥCí
PSPëCḥPePsPICí PSPμPrPsCíC,P°C,PS-CíC,CH), PíPsCḥC-PIPSCíPSPs C-P·
P·P°CíC,PsCíCíPIP°PSPSCíPj P»C-PeP°CḥCíCHPePsPiPs P·P°CíPsP±Cí PI
PjPsPSPsC,PμCḥP°PiC-C—, C%Ps PíP»PëPIP°C” PSP° P PḥPḥPŸ.

PḥCíPsP±P»PëPIP°CíC,C- P·P°CíC,PsCíCíPIP°PSPSCí

PμPsPrPIC-PM°PSP° P±P»PsPeP°PrP° CḥPμPSC-PS-P°PSPiC-PsC,PμPSP·PëPS-
P°P»CHPrPsCíC,PμCḥPsPSPsPiPsC— CíPëCíC,PμPjPë (P PḥPḥPŸ)

P†CíPSCíCḥC,CH PrPsPeP°P·Pë, C%Ps PsPrPSPsC‡P°CíPSPμ P·P°CíC,PsCíCíPIP°PSPSCí
C-PSPiC-P±C-C,PsCḥC-PI PḥPμPα C- P±P»PsPeP°C,PsCḥC-PI CḥPμC†PμPiC,PsCḥC-PI
P°PSPiC-PsC,PμPSP·PëPSCí P†P† P°P±Ps P°P»C-CíPeC-CḥPμPSCí PiC-PrPIPëC%CíC”
CḥPëP·PëPe CḥPsP·PIPëC,PeCí PiC-PíPsC,PμPSP·C-C—, PiC-PíPμCḥPeP°P»C-C”PjC-C— C,P°
PíPsPiC-CḥC€PμPSPSCí C,,CíPSPeC†C-C— PSPëCḥPsPe (PIPeP»CḥC‡P°CḥC‡Pë PiPsCíC,CḥCí
PSPëCḥPePsPICí PSPμPrPsCíC,P°C,PS-CíC,CH). PŸPsPjCí PíPsPrPIC-PM°PSP° P±P»PsPeP°PrP°
P PḥPḥPŸ P·P° PrPsPíPsPjPsPiPsCḥ PePsPjP±C-PSPsPIP°PSPsPiPs P·P°CíC,PsCíCíPIP°PSPSCí
C-PSPiC-P±C-C,PsCḥC-PI PḥPμPα C- P±P»PsPeP°C,PsCḥC-PI CḥPμC†PμPiC,PsCḥC-PI
P°PSPiC-PsC,PμPSP·PëPSCí P†P† P°P±Ps P°P»C-CíPeC-CḥPμPSCí PSPμ
CḥPμPePsPjPμPSPPrPsPIP°PSP°. PíPeC%Ps C,PμCḥP°PiC-Cí PíPsPrPIC-PM°PSPsCḥ
P±P»PsPeP°PrPsCḥ PíPIP°P¶P°C”C,CHCíCíCí P°P±CíPsP»CḥC,PSPs PSPμPsP±C...C-PrPSPsCḥ,
C—C— CíP»C-Pr P·PrC-PM°CíPSCḥPIP°C,Pë C,C-P»CHPePë PiC-Pr PSP°PiP»CíPrPsPj
CíPiPμC†C-P°P»C-CíC,P° C- P·P° CíPjPsPiPë C‡P°CíC,PsPiPs CḥPμC,PμP»CHPSPsPiPs
PjPsPSC-C,PsCḥPëPSPiCí C,,CíPSPeC†C-C— PSPëCḥPsPe, PμP»PμPeC,CḥPsP»C-C,C-PI C,P°
P°CḥC,PμCḥC-P°P»CHPSPsPiPs C,PëCíPeCí.

P†PSPiC-P±C-C,PsCḥPë PḥPμPα C- P±P»PsPeP°C,PsCḥPë CḥPμC†PμPiC,PsCḥC-PI
P°PSPiC-PsC,PμPSP·PëPSCí P†P† PSPμ CíP»C-Pr P·P°CíC,PsCíPsPICíPIP°C,Pë
PsPrPSPsC‡P°CíPSPs PiP°C†C-C”PSC,P°Pj C-P· PrC-P°P±PμC,PëC‡PSPsCḥ
PSPμC,,CḥPsPiP°C,C-C”Cḥ.

PμPsCḥCíC€PμPSPSCí C,,CíPSPeC†C-C— PSPëCḥPsPe

PíPe C- PiCḥPë P·P°CíC,PsCíCíPIP°PSPSC- C-PSC€PëC... P·P°CíPsP±C-PI, C%Ps
PiP°P»CHPjCíCḥC,CH CḥPμPSC-PS-P°PSPiC-PsC,PμPSP·PëPS-
P°P»CHPrPsCíC,PμCḥPsPSPsPICí CíPëCíC,PμPjCí, PjPsP¶PSP° PsC‡C-PeCíPIP°C,Pë P·PjC-PSPë
C,,CíPSPeC†C-C— PSPëCḥPsPe Cí C‡CíC,P»PëPIPëC... PíP°C†C-C”PSC,C-PI, CíPeC-
PiCḥPëPμPjP°CḥC,CH PeP°PSPPrPμCíP°CḥC,P°PSCí C†PëP»PμPeCíPμC,PëP».

СҗРµPSC-PS-P°PSPiC-PsC, PµPSP·PëPS-P°P»СҗPpPcCfC, PµСҗPcPSPsPIPsC— CГPëCfC, PµPjPë.
PŷP°PëPëPj C±PëPSPsPj PïP°C†C-C”PSC, P°Pj, CЦPëC- PïPµСҗPµP±CfPIP°СҗC, СҗPSP°
PiPµPjPsPrC-P°P»C-P·C-, PrPsP·Cf PëP°PSPPrPµCГP°СҗC, P°PSCf C†PëP»PµPëCГPµC, PëP»Cf
CГP»C-Pr PïC-PrP±PëСҗP°C, Pë PsP±PµСҗPµP¶PSPs, P·PrC-PNëCГPSCҗCҗC±Pë
PjPsPSC-C, PsСҗPëPSPi PҗPŷ.

PŷC, PµPSPsP· PSPëСҗPëPsPIPsC— P°СҗC, PµСҗC-C—

P>C-PëP°СҗCfCҗPëC- P·P°CГPµP±Pë, C%Ps PIP»PëPIP°СҗC, СҗPSP° СҗPµPSC-PS-
P°PSPiC-PsC, PµPSP·PëPS-P°P»СҗPpPcCfC, PµСҗPcPSPsPICf CГPëCfC, PµPjCf,
PIPeP»СҗC±P°СҗC±Pë P°PSC, P°PiPsPSC-CfC, Pë СҗPµC†PµPiC, PsСҗC-PI
P°PSPiC-PsC, PµPSP·PëPSCf II (PҗP Pҗ II), PjPsP¶CfC, СҗP PïC-PrPIPëC%CfPIP°C, Pë
СҗC-PIPµPSCҗ CГPµC±PsPIPëPSPë PëСҗPµPIC- C, P° PëСҗPµP°C, PëPSC-PSCf
CГPëСҗPµPIP°C, PëPë PëСҗPµPIC- Cf PïP°C†C-C”PSC, C-PI P· P±C-P»P°C, PµСҗP°P»СҗPSPëPj
CfC, PµPSPsP·PsPj PSPëСҗPëPsPIPsC— P°СҗC, PµСҗC-C— P°P±Ps CfC, PµPSPsP·PsPj
P°СҗC, PµСҗC-C— C”PrPëPSPsC— PSPëСҗPëPë.

PŷСҗP°PSCfPïP»P°PSC, P°C†C-CЦ PSPëСҗPëPë

P”PsCГPIC-Pr P·P°CfC, PsCfCfPIP°PSPSCЦ PïСҗPµPïP°СҗP°C, Cf PҗP°CГP°СҗPë^{B®}
PïP°C†C-C”PSC, P°Pj P· PSPµC%PsPrP°PIPsPs PïPµСҗPµPSPµCГPµPSPsCҗ
C, СҗP°PSCfPïP»P°PSC, P°C†C-C”Cҗ PSPëСҗPëPë PsP±PjPµP¶PµPSPëPNë.

PҗСҗC, PµСҗC-P°P»СҗPSP° PiC-PïPsC, PµPSP·C-CЦ

Pj PïP°C†C-C”PSC, C-PI C-P· CГPµСҗC†PµPIPsCҗ PSPµPrPsCfC, P°C, PSC-CfC, Cҗ PïC-Pr C±P°Cf
P»C-PëCfPIP°PSPSCЦ PïСҗPµPïP°СҗP°C, PsPj PҗP°CГP°СҗPë^{B®} PjPsP¶Pµ PIPëPSPëPëP°C, Pë
PiC-PïPsC, PµPSP·C-CЦ. P”PsPSP° C, P°PëPsP¶ PjPsP¶Pµ СҗPsP·PIPëPIP°C, PëCfCЦ Cf
PïP°C†C-C”PSC, C-PI P· P°СҗC, PµСҗC-P°P»СҗPSPsCҗ PiC-PïPµСҗC, PµPSP·C-C”Cҗ C, P°
PIPsCfC, СҗC-CëPSCҗPsCfCfPrPëPSPSPsCҗ PrPµPiC-PrСҗP°C, P°C†C-C”Cҗ
PIPsP°CГP»C-PrPsPë PïСҗPëPNëPsPjCf PIPëCfPsPëPëC... PrPsP· PrC-CfСҗPµC, PëPëC-PI.
PŷP»C-Pr P· PsP±PµСҗPµP¶PSC-CfC, Cҗ СҗPsP·PïPsC±PëPSP°C, Pë C, PµСҗP°PïC-Cҗ C, P°
PIP¶PëC, Pë P·P°C...PsPrC-PI C%PsPrPs PëPsСҗPµPëC†C-C— PiC-PïPsPIPsP»PµPjC-C—.

PҗPSPµCfC, PµP·C-CЦ C, P° C...C-CҗCfCҗPiC-C±PSC- PIC, СҗCfC±P°PSPSCЦ

Pj PïP°C†C-C”PSC, C-PI, CЦPëC- PïСҗPëPNëPjP°СҗC, СҗP P°PSC, P°PiPsPSC-CfC, Pë
P°PSPiC-PsC, PµPSP·PëPSCf II, PïC-Pr C±P°Cf P°PSPµCfC, PµP·C-C— C, P°
C...C-CҗCfCҗPiC-C±PSPëC... PIC, СҗCfC±P°PSCҗ PjPsP¶Pµ PIPëPSPëPëP°C, Pë
PiC-PïPsC, PµPSP·C-CЦ Cf СҗPµP·CfP»СҗC, P°C, C- P±P»PsPëP°PrPë СҗPµPSC-PS-
P°PSPiC-PsC, PµPSP·PëPSPsPIPsC— CГPëCfC, PµPjPë. P”CfP¶Pµ СҗC-PrPëPs
PiC-PïPsC, PµPSP·C-CЦ PjPsP¶Pµ P±CfC, Pë PIPëСҗP°P¶PµPSPsCҗ C- PIPëPjP°PiP°C, Pë
PIPsCfC, СҗC-CëPSCҗPsPIPµPSPSPsPiPs PIPµPrPµPSPSCЦ СҗC-PrPëPSPë C, P°/P°P±Ps
P·P°CfC, PsCfCfPIP°PSPSCЦ CГCfPrPëPSPsP·PICfP¶CfPIP°P»СҗPSPëC... P·P°CГPµP±C-PI.

PŷC, PµPSPsP· P°PsСҗC, P°P»СҗPSPsPiPs C, P° PjC-C, СҗP°P»СҗPSPsPiPs PëP»P°PïP°PSC-PI
(PsP±CfC, СҗCfPëC, PëPIPSP° PiC-PïPµСҗC, СҗPsC, C-C±PSP° PëP°СҗPrC-PsPjC-PsPïP°C, C-CЦ)

PïPë C- PïСҗPë P·P°CfC, PsCfCfPIP°PSPSC- C-PSCëPëC... PIP°P·PsPrPëP»P°C, P°C, PsСҗC-PI,
PsCfPsP±P»PëPIP° PsP±PµСҗPµP¶PSC-CfC, СҗP PïPsPëP°P·P°PSP° PïP°C†C-C”PSC, P°Pj C-P·
PiPµPjPsPrPëPSP°PjC-C±PSPs P·PSP°C±CfC%PëPj CfC, PµPSPsP·PsPj P°PsСҗC, P°P»СҗPSPsPiPs
C±Pë PjC-C, СҗP°P»СҗPSPsPiPs PëP»P°PïP°PSC-PI P°P±Ps PsP±CfC, СҗCfPëC, PëPIPSPsCҗ

PiC-PiPmuC7C,C7Psc,,C-C+PSPsC7 PeP°C7PrC-PsPjC-PsPiP°C,C-C" C7.

PuPmuC7PIPePSPSPePNe PiC-PiPmuC7P°P»CHPrPsC7C,PuC7PpsPSC-P·Pj

PuP°C7C-C" PSC,Pe P· PiPmuC7PIPePSPSPePj PiC-PiPmuC7P°P»CHPrPsC7C,PuC7PpsPSC-P·PjPsPj Cr P±C-P»CHC€PsC7C,C- PIPePiP°PrPeC-PI PSPu C7PmuP°PiC7C7C,CH PSP° P°PSC,PePiC-PiPmuC7C,PuPSP·PePIPSC- P»C-PeP°C7C7CHPeC- P·P°C7PsP±Pe, C%Ps PrC-C7C,CH P·P°PIPrC7PePe PiP°P»CHPrC7PIP°PSPSC7 C7PmuPSC-PS- P°PSPiC-PsC,PuPSP·PePS- P°P»CHPrPsC7C,PuC7PpsPSPsPiPsC— C7PeC7C,PuPjPe. PyP°PePePj C7PePSPsPj, P·P°C7C,PsC7C7PIP°PSPSC7 PeP°PSPPrPmuC7P°C7C,P°PSC7 C7PeP»PmuPeC7PmuC,PeP»Cr Cr C7C-PNe PiPsPiC7P»C7C7C-C— PSPu C7PmuPePsPjPmuPSPPrC7C" C,CHC7C7.

P"C-PiPmuC7PeP°P»C-C" PjC-C7

PhPrPSPsC7P°C7PSPu P·P°C7C,PsC7C7PIP°PSPSC7 PiC7PmuPiP°C7P°C,C7 P7P°C7P°C7Pe^{B®} P· PeP°P»C-PNeP·P±PmuC7C-PiP°C7C7PePjPe PrC-C7C7PmuC,PePeP°PjPe, PiC7PmuPiP°C7P°C,P°PjPe PeP°P»C-C7, P·P°PjC-PSPSPePeP°PjPe C7PsP»C-, C%Ps PjC-C7C,C7C,CH PeP°P»C-PNe, P°P±Ps C-PSC€PePjPe P»C-PeP°C7C7CHPePePjPe P·P°C7PsP±P°PjPe, P·PrP°C,PSPePjPe PiC-PrPIPeC%CrPIP°C,Pe C7C-PIPSC- PeP°P»C-C7 (PSP°PiC7PePeP»P°Pr, PiPmuPiP°C7PePS), PjPsP7Pmu PiC7PeP·PIPsPrPeC,Pe PrPs PiC-PrPIPeC%PmuPSPSC7 C7PeC7PsPiP°C,PePsPiPsPiPs C7C-PIPSC7 PeP°P»C-C7 Cr PiP°C7C-C" PSC,C-PI P· P°C7C,PuC7C-P°P»CHPSPsC7 PiC-PiPmuC7C,PuPSP·C-C" C7. PyP»C-Pr PSP°P»PmuP7PSPePj C7PePSPsPj P·PrC-PNeC7PSC7PIP°C,Pe PjPsPSC-C,PsC7PePSPi C7C-PIPSC7 PeP°P»C-C7.

Pj PiP°C7C-C" PSC,C-PI C-P· C7PmuC7C7PmuPIPsC7 PSPuPrPsC7C,P°C,PSC-C7C,C7, C7PeC- PiC7PePNePjP°C7C,CH P7P°C7P°C7Pe^{B®}, PjPsP7Pmu PIPePSPePeP°C,Pe PiC-PiPmuC7PeP°P»C-C" PjC-C7. P PmuPePsPjPmuPSPPrC7C" C,CHC7C7 PiPmuC7C-PsPrPeC7PSPePNe PjPsPSC-C,PsC7PePSPi C7C-PIPSC7 PeP°P»C-C7 Cr C7PeC7PsPiP°C,C7C- PeC7PsPIC-. PuPsC,C7C-PNePSP° PePsPjP±C-PSP°C7C-C7 C-PSPiC-P±C-C,PsC7C-PI PhPuPα, PeP°P»C-PNeP·P±PmuC7C-PiP°C7C7PeC... PrC-C7C7PmuC,PePeC-PI (PSP°PiC7PePeP»P°Pr, C7PiC-C7PsPSPsP»P°PeC,PsPSC7) C,P° PeP°PSPPrPmuC7P°C7C,P°PSC7 C7PeP»PmuPeC7PmuC,PeP»Cr PSPu C7PmuPePsPjPmuPSPPrC7C" C,CHC7C7 C- C—C— PjPsP7PSP° P·P°C7C,PsC7PsPIC7PIP°C,Pe C,C-P»CHPePe PiC-C7P»C7 C7PmuC,PuP»CHPSPsPiPs PsC7C-PSC7PIP°PSPSC7 PiPsC,PuPSC7C-PNePSPeC... PiPmuC7PmuPiP°Pi C,P° C7PeP·PePeC-PI.

PhPSPiC-PsPSPuPIC7PsC,PeC7PSPePNe PSP°P±C7C7Pe PePeC€PmuC7PSPePeC7

PuPsPIC-PrPsPjP»C7P»PsC7C7 PiC7Ps PIPePiP°PrPePe P°PSPiC-PsPSPuPIC7PsC,PeC7PSPsPiPs PSP°P±C7C7PeC7 PePeC€PmuC7PSPePeC7 Cr PiP°C7C-C" PSC,C-PI, C7PeC- P·P°C7C,PsC7PsPIC7PIP°P»Pe P±P»PsPeP°C,PsC7Pe C7PmuC7PmuPiC,PsC7C-PI P°PSPiC-PsC,PuPSP·PePSC7 II, (PIPeP»CHC7P°CHC7Pe PeP°PSPPrPmuC7P°C7C,P°PSC7 C7PeP»PmuPeC7PmuC,PeP») (PrPePI. C7PsP·PrC-P» B«PuPsP±C-C7PSC- C7PmuP°PeC7C-C-B»). Pj C7PeC... PiP°C7C-C" PSC,C-PI C7PiPsC7C,PuC7C-PiP°PIC7C7 P±C-P»CH Cr P7PePiPsC,C-, PSC7PrPsC,P°, P±P»CHPIP°PSPSC7 C,P° PrC-P°C7PmuC7. PyPePjPiC,PsPjPe PjPePSP°P»Pe PiC-C7P»C7 PIC-PrPjC-PSPe P±P»PsPeP°C,PsC7C-PI C7PmuC7PmuPiC,PsC7C-PI P°PSPiC-PsC,PuPSP·PePSC7 P7P7. PiPeC%Ps PrC-P°PiPSPsC7C,PsPIP°PSPs P°PSPiC-PsPSPuPIC7PsC,PeC7PSPePNe PSP°P±C7C7Pe PePeC€PmuC7PSPePeC7, P·P°C7C,PsC7C7PIP°PSPSC7 PeP°PSPPrPmuC7P°C7C,P°PSC7 C7PeP»PmuPeC7PmuC,PeP» C7P»C-Pr PiC7PePiP°PSPeC,Pe C,P° C7PsP·PiPsC7P°C,Pe PIC-PrPiPsPIC-PrPSPePNe PjPsPSC-C,PsC7PePSPi PrPs PiPsPiPSPsPiPs P·PSPePePSPuPSPSC7 C7PePjPiC,PsPjC-PI.

P—P°PiP°P»CHΨPSC—

PJ PiP°C†C-C''PSC,C-PI, Cr CΨPePëC... C†C†PrPëPSPSPëPNë C,PsPSC†C† C,P° C,,C†PSPeC†C-CΨ
PSPëCΨPsPe P·P°P»PμP¶P°C,CH PiPμCΨPμPIP°P¶PSPs PIC-Pr P°PeC,PëPIPSsC†C,C-
CΨPμPSC-PS- P°PSPiC-PsC,PμPSP·PëPS-P°P»CHPrPsC†C,PμCΨPsPSPsPIPsC— C†PëC†C,PμPjPë
(PSP°PiCΨPëPeP»P°Pr, PiP°C†C-C''PSC,Pë P· C,CΨP¶PePsCΨ P·P°C†C,C-PMëPSPsCΨ
C†PμCΨC†PμPIPsCΨ PSPμPrPsC†C,P°C,PSC-C†C,CΨ P°P±Ps PsC†PSPsPIPSPëPj
P·P°C...PIPsCΨCΨPIP°PSPSCΨPj PSPëCΨPsPe, PIPeP»CΨC†P°CΨC†Pë C†C,PμPSPsP·
PSPëCΨPePsPIPsC— P°CΨC,PμCΨC-C—), P»C-PeC†PIP°PSPSCΨ C-P·
P·P°C†C,PsC†C†PIP°PSPSCΨPj C-PSCëPëC... P»C-PeP°CΨC†CHPePëC... P·P°C†PsP±C-PI, C%oPs
PIPiP»PëPIP°CΨC,CH PSP° C†CΨ C†PëC†C,PμPjC†, P±C†P»Ps PiPsPiBΨ™ CΨP·P°PSPs P·
PiPsC†C,CΨPsCΨ P°CΨC,PμCΨC-P°P»CHPSPsCΨ PiC-PiPsC,PμPSP·C-C''CΨ, P°P·PsC,PμPjC-C''CΨ,
PsP»C-PiC†CΨC-C''CΨ P°P±Ps CΨC-PrPePs BΨ" P· PiPsC†C,CΨPsCΨ PSPëCΨPePsPIPsCΨ
PSPμPrPsC†C,P°C,PSC-C†C,CΨ. PΨPsP¶P»PëPIC-C†C,CH PiPsPrC-P±PSPëC... PμC,,PμPeC,C-PI
PSPμ PjPsP¶Pμ P±C†C,Pë PIPëPeP»CΨC†PμPSP° PiCΨPë P·P°C†C,PsC†C†PIP°PSPSC- PjP Pj II.
PİPe C- P±C†PrCΨ-CΨPePëPNë P°PSC,PëPiC-PiPμCΨC,PμPSP·PëPIPSPëPNë P·P°C†C-P±,
PSP°PrPjC-CΨPSPμ P·PSPëP¶PμPSPSCΨ PjPÿ Cr PiP°C†C-C''PSC,C-PI C-CëPμPjC-C†PSPsCΨ
PeP°CΨPrC-PsPiP°C,C-C''CΨ P°P±Ps C-CëPμPjC-C†PSPëPj
C†PμCΨPμP±CΨPsPIP°C†PeC†P»CΨCΨPSPëPj P·P°C...PIPsCΨCΨPIP°PSPSCΨPj PjPsP¶Pμ
PiCΨPëP·PIPsPrPëC,Pë PrPs C-PSC,,P°CΨPeC,C† PjC-PsPeP°CΨPrP° P°P±Ps
C-PSC†C†P»CHC,C†.

PjPSC,PëPiC-PiPμCΨC,PμPSP·PëPIPSPëPNë PμC,,PμPeC, PeP°PSPPrPμC†P°CΨC,P°PSC† PjPsP¶Pμ
PiPsC†PëP»CΨPIP°C,PëC†CΨ C-PSCëPëPjPë P»C-PeP°CΨC†CHPePëPjPë P·P°C†PsP±P°PjPë,
C%oPs PjP°CΨC,CH PIP»P°C†C,PëPIC-C†C,CH P·PSPëP¶C†PIP°C,Pë PjPÿ, PSPμP·P°P»PμP¶PSPs
PIC-Pr C,PsPiPs, PiCΨPëP·PSP°C†PμPSC- PIPsPSPë Cr CΨPePsC†C,C-
P°PSC,PëPiC-PiPμCΨC,PμPSP·PëPIPSPëC... P·P°C†PsP±C-PI C†Pë
P·P°C†C,PsC†C†PIC†CΨC,CHC†CΨ P·P° C-PSCëPëPjPë PiPsPeP°P·P°PSPSCΨPjPë.

PΨP°C†P°CΨPe^B PjC-C†C,PëC,CH P»P°PeC,PsP·C†. PμP°C†C-C''PSC,P°Pj P·
CΨC-PrPeC-C†PSPëPjPë C†PiP°PrPePsPIPëPjPë C,,PsCΨPjP°PjPë
PSPμPiPμCΨPμPSPsC†PëPjPsC†C,C- PiP°P»P°PeC,PsP·Pë, P»P°PeC,P°P·PSPsC—
PSPμPrPsC†C,P°C,PSPsC†C,C- P»P°PiPiP° C†Pë PjP°P»CHP°P±C†PsCΨP±C†C-C—
PiP»CΨPePsP·Pë-PiP°P»P°PeC,PsP·Pë PSPμ PjPsP¶PSP° PiCΨPëPNëPjP°C,Pë C†PμPNë
P»C-PeP°CΨC†CHPePëPNë P·P°C†C-P±.

P°PiC-C,PSC-C†C,CH

P—P°C†C,PsC†C†PIP°PSPSCΨ PjP PjP†P† PSPμ C†P»C-Pr CΨPsP·PiPsC†PëPSP°C,Pë Cr
PiPμCΨC-PsPr PIP°PiC-C,PSPsC†C,C-. P—P° PIPëPSCΨC,PePsPj PIPëPiP°PrPeC-PI, PePsP»Pë
PiCΨPsPrPsPIP¶PμPSPSCΨ C,PμCΨP°PiC-C— PjP PjP†P† PIPiP°P¶P°C''C,CHC†CΨ PIPeCΨP°PNë
PSPμPsP±C...C-PrPSPëPj, PiP°C†C-C''PSC,PeP°Pj, CΨPeC- PiP»P°PSC†CΨC,CH
PIP°PiC-C,PSC-C†C,CH, C†P»C-Pr PiCΨPëP·PSP°C†P°C,Pë P°P»CHC,PμCΨPSP°C,PëPIPSPμ
P°PSC,PëPiC-PiPμCΨC,PμPSP·PëPIPSPμ P»C-PeC†PIP°PSPSCΨ, C%oPs PjP°C''
PIC†C,P°PSPsPIP»PμPSPëPNë PiCΨPsC,,C-P»CH P±PμP·PiPμPePë PrP»CΨ
P·P°C†C,PsC†C†PIP°PSPSCΨ Cr PiPμCΨC-PsPr PIP°PiC-C,PSPsC†C,C-. PİPeC%oPs
PIP°PiC-C,PSC-C†C,CH PrC-P°PiPSPsC†C,PsPIP°PSPs, P»C-PeC†PIP°PSPSCΨ PjP PjP†P†
C†P»C-Pr PSPμPiP°PNëPSPs PiCΨPëPiPëPSPëC,Pë C-, CΨPeC%oPs PSPμPsP±C...C-PrPSPs,
CΨPsP·PiPsC†P°C,Pë P°P»CHC,PμCΨPSP°C,PëPIPSC† C,PμCΨP°PiC-CΨ.

PJ PiP°C†C-C''PSC,PsPe Cr PiPsC†C,PjPμPSP°CΨC...PμP°P»CHPSPsPjC† PiPμCΨC-PsPrC-

PjPsP¶P»PëPIC-ClC,CH P·P°PIP°PiC-C,PSC-C,Pë PsC†C-PSCHC" C,CHClC¶ PSP°
P·P°PiP°P»CHPSC-PMë PsClPSPsPIC-. PµPsC,ChC-P±PSPs PSP°PrP°C,Pë PIC-PrPiPsPIC-PrPSCr
C-PSC,,PsChPjP°C†C-CH C,P°/P°P±Ps PIP¶PëC,Pë P·P°C...PsPrC-PI PrP»C¶
P·P°PiPsP±C-PiP°PSPSC¶ ChPëP·PëPeCr PIPiP»PëPICr PiChPµPiP°ChP°C,Cr Cr PiPµChC-PsPr
PIP°PiC-C,PSPsClC,C- (PrPëPI. ChPsP·PrC-P»Pë B«PµChPsC,PëPiPsPeP°P·P°PSPSC¶B»,
B«P—P°ClC,PsClCrPIP°PSPSC¶ Cr PiPµChC-PsPr PIP°PiC-C,PSPsClC,C- P°P±Ps
PiPsPrCrPIP°PSPSC¶ PiChCrPrPrChB»).

*P—P°ClC,PsClCrPIP°PSPSC¶ C¿ PiPµChC-PsPr PIP°PiC-C,PSPsClC,C- P°P±Ps
PiPsPrCrPIP°PSPSC¶ PiChCrPrPrCh*

P—P°ClC,PsClCrPIP°PSPSC¶ PeP°PSPPrPµClP°ChC,P°PSCr C†PëP»PµPeClPµC,PëP»Cr Cr
PiPµChC-PsPr PIP°PiC-C,PSPsClC,C- PiChPsC,PëPiPsPeP°P·P°PSPµ. PµP°PSPPrPµClP°ChC,P°PS
C†PëP»PµPeClPµC,PëP» PSPµ ChPµPePsPjPµPSPPrCrC" C,CHClC¶ PrP»C¶
P·P°ClC,PsClCrPIP°PSPSC¶ Cr PiPµChC-PsPr PiPsPrCrPIP°PSPSC¶ PiChCrPrPrCh.

P°PiC-C,PSC-ClC,CH

P·PiC-PrPµPjC-PsP»PsPiC-C±PSC- PrPsPeP°P·Pë C%PsPrPs ChPëP·PëPeCr
C,PµChP°C,PsPiPµPSPSPsClC,C- PiC-ClP»C¶ PµPeClPiPsP·PëC†C-C— C-PSPiC-P±C-C,PsChC-PI
PhPµPµ Cr P† C,ChPëPjPµClC,ChC- PIP°PiC-C,PSPsClC,C- PSPµ PrP°ChC,CH P·PjPsPiPë
P·ChPsP±PëC,Pë PsClC,P°C,PsC±PSPëPMë PIPëClPSPsPIPsPe, PiChPsC,Pµ PSPµP·PSP°C±PSPµ
PiC-PrPIPëC%PµPSPSC¶ ChPëP·PëPeCr PSPµ PjPsP¶PSP° PIPëPeP»ChC±PëC,Pë.
PhClPeC-P»CHPePë PePsPSC,ChPsP»CHPsPIP°PSC- PµPiC-PrPµPjC-PsP»PsPiC-C±PSC-
PrP°PSC- C%PsPrPs ChPëP·PëPeCr PiChPë P·P°ClC,PsClCrPIP°PSPSC- PhP PhP†P†
PIC-PrClCrC,PSC-, PiPsPrC-P±PSC- ChPëP·PëPePë PjPsP¶CrC,CH C-ClPSCrPIP°C,Pë C-
PrP»C¶ C†CHPsPiPs PeP»P°ClCr P»C-PeP°ChClCHPePëC... P·P°ClPsP±C-PI. P—P°
PIPëPSC¶C,PePsPj PIPëPiP°PrPeC-PI, PePsP»Pë PiChPsPrPsPIP¶PµPSPSC¶ C,PµChP°PiC-C—
PhP PhP†P† PIPiP°P¶P°C" C,CHClC¶ PIPëChP°PMë PSPµPsP±C...C-PrPSPëPj,
PiP°C†C-C" PSC,PeP°Pj, ClPeC- PiP»P°PSCrChC,CH PIP°PiC-C,PSC-ClC,CH, ClP»C-Pr
PiChPëP·PSP°C±PëC,Pë P°P»CHC,PµChPSP°C,PëPIPSµ P°PSC,PëPiC-PiPµChC,PµPSP·PëPIPSµ
P»C-PeCrPIP°PSPSC¶, C%Ps PjP°C" PICrC,P°PSPsPIP»PµPSPëPMë PiChPsC,,C-P»CH
P±PµP·PiPµPePë PrP»C¶ P·P°ClC,PsClCrPIP°PSPSC¶ Cr PiPµChC-PsPr PIP°PiC-C,PSPsClC,C-.
PiPeC%Ps PIP°PiC-C,PSC-ClC,CH PrC-P°PiPSPsClC,PsPIP°PSPs, P»C-PeCrPIP°PSPSC¶
PiChPµPiP°ChP°C,P°PjPë PhP PhP†P† ClP»C-Pr PSPµPiP°PMëPSPs PiChPëPiPëPSPëC,Pë C,P° Cr
ChP°P·C- PSPµPsP±C...C-PrPSPsClC,C- ChPsP·PiPsC±P°C,Pë P°P»CHC,PµChPSP°C,PëPIPSCr
C,PµChP°PiC-CH.

P·C-PrPsPjPs, C%Ps P·P°ClC,PsClCrPIP°PSPSC¶ P»ChPrPëPSPsCh PhP PhP†P†
PiChPsC,ClPiPsPj P†P† C- P†P†P† C,ChPëPjPµClC,ChC-PI PIP°PiC-C,PSPsClC,C-, PjPsP¶Pµ
PiChPëP·PIPµClC,Pë PrPs PIPëPSPëPePSPµPSPSC¶ C,,PµC,PsC,PsPeClPëC±PSPsClC,C-
(P·PSPëP¶PµPSPSC¶ C,,CrPSPeC†C-C— PSPëChPsPe, PsP»C-PiPsPiC-PrChP°PjPSC-PsPS,
P·P°C,ChPëPjPeP° PsPePsClC,PµPSC-PSPSC¶ PeC-ClC,PsPe C±PµChPµPiP°) C,P°
PSPµPsPSP°C,P°P»CHPSPsC— C,PsPeClPëC±PSPsClC,C- (PSPëChPePsPIP°
PSPµPrPsClC,P°C,PSC-ClC,CH, PiC-PiPsC,PµPSP·C-Cl, PiC-PiPµChPeP°P»C-C" PjC-Cl).
PiPeC%Ps PIC-PrP±CrP»PsClC¶ P·P°ClC,PsClCrPIP°PSPSC¶ PhP PhP†P† Cr P†P†
C,ChPëPjPµClC,ChC- PIP°PiC-C,PSPsClC,C-, ChPµPePsPjPµPSPPrPsPIP°PSPs PiChPsPIPµClC,Pë
PIP°PiC-C,PSPëPj CrP»CHC,ChP°P·PICrPePsPIPµ PrPsClP»C-PrP¶PµPSPSC¶ P· PjPµC,PsCh
PsC†C-PSPëPë C,,CrPSPeC†C-C— PSPëChPsPe C- ClC,P°PSCr C±PµChPµPiP° Cr PiP»PsPrP°.

P°PSC, PëPiC-PiPµCḡC, PµPSP·PëPIPSPëPNë PµC,, PµPeC, PrPsCÍCḡPIP°C”C, CḡCÍCḡ
PiCḡPsC, CḡPiPsPj 4 C, PëP¶PSC-PI. Pj PrPµCḡPePëC... PiP°C†C-C”PSC, C-PI,
P°CḡC, PµCḡC-P°P»CḡPSPëPNë C, PëCÍPe CḡPePëC... PSPµ PePsPSC, CḡPsP»CḡC”C, CḡCÍCḡ
PSP°P»PµP¶PSPëPj C‡PëPSPsPj, PrPsP·CÍ PjPsP¶PSP° P·P±C-P»CḡC€PëC, Pë PrPs 16 PjPi 1
CḡP°P· PSP° PrPsP±CÍ C- PjP°PeCÍPëPjP°P»CḡPSPs PrPs 32 PjPi 1 CḡP°P· PSP° PrPsP±CÍ.
PÿPµCḡP°PiC-Cḡ CÍP»C-Pr PePsCḡPëPiCÍPIP°C, Pë PIC-PrPiPsPIC-PrPSPs PrPs
CḡPµP°PeC†C-C— P°CḡC, PµCḡC-P°P»CḡPSPsPiPs C, PëCÍPeCÍ PSP° P»C-PeCÍPIP°PSPSCḡ.
PḡP°CÍP°CḡPe^{B®} C, P°PePsP¶ PjPsP¶PSP° P·P°CÍC, PsCÍPsPICÍPIP°C, Pë CḡP°P·PsPj P·
C-PSC€PëPjPë P°PSC, PëPiC-PiPµCḡC, PµPSP·PëPIPSPëPjPë P·P°CÍPsP±P°PjPë (PrPëPI.
CḡPsP·PrC-P»Pë B«PαP°CḡPjP°PePsPrPëPSP°PjC-PeP°B»,
B«PµCḡPsC, PëPiPsPeP°P·P°PSPSCḡB», B«P·P°C”PjPsPrC-Cḡ P· C-PSC€PëPjPë
P»C-PeP°CḡCÍCḡPePëPjPë P·P°CÍPsP±P°PjPë C, P° C-PSC€C- PIPëPrPë
PIP·P°C”PjPsPrC-PNëB» C- B«PḡCÍPsP±P»PëPIPsCÍC, C- P·P°CÍC, PsCÍCÍPIP°PSPSCḡB»).

P’CÍP»Ps PiPsPeP°P·P°PSPs, C%Ps PrPsPrP°PIP°PSPSCḡ
PiC-PrCḡPsC...P»PsCḡC, C-P°P·PëPrCÍ P·P°P±PµP·PiPµC†C” PrPsPrP°C, PePsPIPëPNë
P°PSC, PëPiC-PiPµCḡC, PµPSP·PëPIPSPëPNë PµC,, PµPeC, P· CḡC-P·PSPëPjPë PrPsP·P°PjPë
PiCḡPµPiP°CḡP°C, CÍ PḡP°CÍP°CḡPe^{B®}.

P—P°CÍC, PsCÍC‡PIP°PSPSCḡ PiP°C†C-C”PSC, P°Pj P»C-C, PSCḡPsPiPs PIC-PeC‡

P”P»Cḡ PiP°C†C-C”PSC, C-PI P»C-C, PSCḡPsPiPs PIC-PeCÍ PePsCḡPµPeC†C-Cḡ
PiPsC‡P°C, PePsPIPSC— PrPsP·Pë PSPµ PiPsC, CḡC-P±PSP°.

*P—P°CÍC, PsCÍC‡PIP°PSPSCḡ PiP°C†C-C”PSC, P°Pj P·C- P·PjPµPSC€PµPSPSCḡPj
PIPSC‡C, CḡC-C€PSCḡPsCÍC‡PrPëPSPSPsPiPs PsP±εḡ™ C”PjC‡
C†PëCḡPeC‡P»CḡCḡC‡PsC— CḡC-PrPëPSPë*

P—P°CÍC, PsCÍCÍPIP°PSPSCḡ PiPsC‡P°C, PePsPIPSC— PrPsP·Pë 4 PjPi PjPsP¶Pµ
CḡPsP·PiP»CḡPrP°C, PëCÍCḡ CÍ PiP°C†C-C”PSC, C-PI P· CḡPëP·PëPePsPj CḡPsP·PIPëC, PeCÍ
P°CḡC, PµCḡC-P°P»CḡPSPsC— PiC-PiPsC, PµPSP·C-C—, C, P°PePëC... CḡPe PiP°C†C-C”PSC, Pë
PjPsP¶P»PëPIPsCḡ PrPµPiC-PrCḡP°C, P°C†C-C”Cḡ (PrPëPI. CḡPsP·PrC-P»
B«PḡCÍPsP±P»PëPIPsCÍC, C- P·P°CÍC, PsCÍCÍPIP°PSPSCḡB»).

P—P°CÍC, PsCÍC‡PIP°PSPSCḡ PiCḡPë PiPsCḡC‡C€PµPSPSC- C,, C‡PSPeC†C-C— PSPëCḡPsPe

PµPsC‡P°C, PePsPIP° PrPsP·P° PrP»Cḡ PiP°C†C-C”PSC, C-PI P· PiPsCḡCÍC€PµPSPSCḡPj
C,, CÍPSPeC†C-C— PSPëCḡPsPe, PIPeP»CḡC‡P°CḡC‡Pë PiP°C†C-C”PSC, C-PI, CḡPeC-
PiPµCḡPµP±CÍPIP°CḡC, CḡPSP° PiPµPjPsPrC-P°P»C-P·C-, CÍC, P°PSPsPIPëC, Cḡ 4 PjPi.
P”PsP·CÍ CÍP»C-Pr C, PëC, CḡCÍPIP°C, Pë PIC-PrPiPsPIC-PrPSPs PrPs CḡPµP°PeC†C-C— PSP°
P»C-PeCÍPIP°PSPSCḡ. P”PsCÍPIC-Pr P·P°CÍC, PsCÍCÍPIP°PSPSCḡ PiCḡPµPiP°CḡP°C, CÍ
PiP°C†C-C”PSC, P°Pj P· PrCÍP¶Pµ C, CḡP¶PePsCḡ P°P±Ps C, PµCḡPjC-PSP°P»CḡPSPsCḡ
CÍC, P°PrC-C”Cḡ PSPëCḡPePsPIPSC— PSPµPrPsCÍC, P°C, PSPsCÍC, C- (PeP»C-CḡPµPSCÍ
PeCḡPµP°C, PëPSC-PSCÍ < 15 PjP»/C...PI) PsP±PjPµP¶PµPSPëPNë (PrPëPI. CḡPsP·PrC-P»
B«PḡCÍPsP±P»PëPIPsCÍC, C- P·P°CÍC, PsCÍCÍPIP°PSPSCḡB»).

P—P°CÍC, PsCÍC‡PIP°PSPSCḡ PiCḡPë PiPsCḡC‡C€PµPSPSC- C,, C‡PSPeC†C-C— PiPµC‡C-PSPePë

Pj PiP°C†C-C”PSC, C-PI P· P»PµPiPePëPj C, P° PiPsPjC-CḡPSPëPj PiPsCḡCÍC€PµPSPSCḡPj
C,, CÍPSPeC†C-C— PiPµC‡C-PSPePë CḡPµPePsPjPµPSPPrCÍC”C, CḡCÍCḡ PiPsC‡P°C, PePsPIP°
PrPsP·P° 4 PjPi 1 CḡP°P· PSP° PrPsP±CÍ. P”PsP·CÍ PjPsP¶PSP° PePsCḡPëPiCÍPIP°C, Pë
PIC-PrPiPsPIC-PrPSPs PrPs CḡPµP°PeC†C-C— PSP° P»C-PeCÍPIP°PSPSCḡ. PḡP°CÍP°CḡPe^{B®}

PiC7PsC,PePiPsPeP°P°P°PSPePNe PiP°C†C-C°PSC,P°Pj P· PiPsC7CfC€PµPSPSClPj
C,,CfPSPeC†C-C— PiPµC†C-PSPePë C,CllP¶PePsPiPs C†C,CfPiPµPSCl C,P°/P°P±Ps
C...PsP»PµC†C,P°P·PsPj (PrPëPI. C7PsP·PrC-P»Pë B«PαP°C7PjP°PePsPeC-PSPµC,PëPeP°B» C-
B«PµC7PsC,PëPiPsPeP°P°P°PSPSClB»).

P—P°C†C,PsC†C¿PIP°PSPSCl PiP°C†C-C°PSC,P°Pj PSPµPiC7PsC—PrPSPsC— C7P°C†Pë

P7PSC,PëPiC-PiPµC7C,PµPSP·PëPIPSPePNe PµC,,PµPeC, PeP°PSPPrPµC†P°C7C,P°PSCr C†
PiP°C†C-C°PSC,C-PI PSPµPiC7PsC—PrPSPsC— C7P°C†Pë PjPµPSC€ PIPëC7P°P¶PµPSPePNe,
PSC-P¶ C† PiP°C†C-C°PSC,C-PI C-PSC€PëC... C7P°C†. PhC,P¶Pµ, PiPsC,C7PµP±P° C†
P·P±C-P»CHC€PµPSPSC- PrPsP·Pë PiC7PµPiP°C7P°C,C† P7P°C†P°C7Pe^{B®} C,P°
C†C†PiC†C,PSC-PNe C,PµC7P°PiC-C— PrP»Cll PePsPSC,C7PsP»C7 AT PjPsP¶Pµ C†P°C†C,C-C€Pµ
PIPëPSPëPeP°C,Pë C† PiP°C†C-C°PSC,C-PI PSPµPiC7PsC—PrPSPsC— C7P°C†Pë, PSC-P¶ C†
PiP°C†C-C°PSC,C-PI C-PSC€PëC... C7P°C† (PrPëPI. C7PsP·PrC-P»
B«PαP°C7PjP°PePsPrPëPSP°PjC-PeP°B»).

P°PsP·C†PIP°PSPSCl PiC7Pë C†PµC7C†PµPIC-PNe PSPµPrPsC†C,P°C,PSPsC†C,C-

P—PIPëC†P°PNePSP° C7PµPePsPjPµPSPPrPsPIP°PSP° PiPsC†P°C,PePsPIP° PrPsP·P°
PeP°PSPPrPµC†P°C7C,P°PSCr C†PëP»PµPeC†PµC,PëP»C† C†C,P°PSPsPIPëC,Ch 4 PjPi 1 C7P°P·
PSP° PrPsP±C†. PÿPëC,C7C†PIP°PSPSCl PrPs C†C-P»CHPsPIPSC— PrPsP·Pë 32 PjPi PsPrPëPS
C7P°P· PSP° PrPsP±C† (PjP°PeC†PëPjP°P»CHPsPSP° PrPsP·P°) P°P±Ps PSP°PNePIPëC%PsC—
PiPµC7PµPSPsC†PëPjPsC— PrPsP·Pë P·PrC-PNeC†PSC7C°C,CHC†Cll C€P»CllC...PsPj
PiPsPrPIPSC°PSPSCl PrPsP·Pë P· C-PSC,PµC7PIP°P»P°PjPë C%PsPSP°PNePjPµPSC€Pµ 2
C,PëP¶PSC- (PrPëPI. C7PsP·PrC-P» B«PhC†PsP±P»PëPIPsC†C,C-
P·P°C†C,PsC†C†PIP°PSPSClB»). PhP±C†C,PµP¶PµPSPSCl PiP°C†C-C°PSC,C-PI C-P·
C†PµC7C†PµPIPsC7 PSPµPrPsC†C,P°C,PSC-C†C,C7 P·P°PIP¶PrPë PjP°C° PIPeP»C7C†P°C,Pë
PsC†C-PSC7PIP°PSPSCl C,,C†PSPeC†C-C— PSPëC7PsPe, C† C,PsPjC† C†PëC†P»C-
PjPsPSC-C,PsC7PëPSPi PeC7PµP°C,PëPSC-PSCr C,P° PeP°P»C-C7 PI C†PëC7PsPIP°C,C†C-
PeC7PsPIC-.

P7P°C†P°C7Pe^{B®} PjPsP¶PSP° P·P°C†C,PsC†PsPIC†PIP°C,Pë C7P°P·PsPj P· C-PSC€PëPjPë
P·P°C†PsP±P°PjPë P»C-PeC†PIP°PSPSCl C†PµC7C†PµPIPsC— PSPµPrPsC†C,P°C,PSPsC†C,C-,
PIPeP»C7C†P°C7C†Pë C-PSPiC-P±C-C,PsC7Pë P7PµPα, P±PµC,P°-P±P»PsPeP°C,PsC7Pë,
PrC-C†C7PµC,PëPePë C,P° PrPëPiC-C,P°P»C-C† P°P±Ps PePsPjP±C-PSP°C†C-C7 C†PëC...
P»C-PeP°C7C†CHPePëC... P·P°C†PsP±C-PI.

P7P°C†P°C7Pe^{B®} PjPsP¶PSP° PiC7PëP·PSP°C†P°C,Pë C7P°P·PsPj C-P·
C-PSPiC-P±C-C,PsC7P°PjPë P7PµPα PiP°C†C-C°PSC,P°Pj C-P· C†PëPjPiC,PsPjP°PjPë
C†PµC7C†PµPIPsC— PSPµPrPsC†C,P°C,PSPsC†C,C-, PSPµP·PIP°P¶P°C7C†Pë PSP°
PsPiC,PëPjP°P»CHPsC† C†C,P°PSPPrP°C7C,PSCr C,PµC7P°PiC-C7 C†PµC7C†PµPIPsC—
PSPµPrPsC†C,P°C,PSPsC†C,C-, PiC7Pë PSPµPiPµC7PµPSPsC†PëPjPsC†C,C-
P°PSC,P°PiPsPSC-C†C,C-PI C7PµC†PµPiC,PsC7C-PI
PjC-PSPµC7P°P»PsPePsC7C,PëPePsC—PrC-PI.

P7PsPjP±C-PSP°C†C-Cll C-PSPiC-P±C-C,PsC7C-PI P7PµPα,
PeP°P»C-PNeP·P±PµC7C-PiP°C7C†PëC... PrC-C†C7PµC,PëPeC-PI (PSP°PiC7PëPeP»P°Pr
C†PiC-C7PsPSPsP»P°PeC,PsPSCr) C,P° PiC7PµPiP°C7P°C,C† P7P°C†P°C7Pe^{B®} PSPµ
C7PµPePsPjPµPSPPrC†C°C,CHC†Cll C- C— C— C†P»C-Pr P·P°C†C,PsC†PsPIC†PIP°C,Pë
C,C-P»CHPePë PiC-C†P»Cll C7PµC,PµP»CHPsPSPiPs PsC†C-PSC7PIP°PSPSCl
PiPsC,PµPSC†C-PNePSPëC... PiPµC7PµPIP°Pi C,P° C7PëP·PëPeC-PI (PrPëPI. C7PsP·PrC-P»Pë
B«PαP°C7PjP°PePsPrPëPSP°PjC-PeP°B» B«PhC†PsP±P»PëPIPsC†C,C-

P·P°CÍC,PsCÍCfPIP°PSPSCIB» C- B«PµPsP±C-C±PSC- CḡPµP°PeC†C-C—B»).

PḡCÍPsP±P»PëPIC- PeP°C,PµPiPsCḡC-C— PiP°C†C-C”PSC,C-PI

P´PµPjP°C” PSpµPsP±C...C-PrPSPsCÍC,C- PePsCḡPëPiCfPIP°C,Pë PiPsC±P°C,PePsPICf PrPsP·Cf PrP»CÍ PiP°C†C-C”PSC,C-PI P»C-C,PSCHPsPiPs PIC-PeCf P°P±Ps PrP»CÍ PiP°C†C-C”PSC,C-PI P·C- P·PSPëP¶PµPSPSCÍPj PIPSCfC,CḡC-CëPSCḡPsCÍCfPrPëPSPSPsPiPs PsP±Bḡ™C”PjCf CḡC-PrPëPSPë, PiPsCḡCfCëPµPSPSCÍPj C,,CfPSPeC†C-C— PSPëCḡPsPe P°P±Ps P»PµPiPePëPj C,P° PiPsPjC-CḡPSPëPj PiPsCḡCfCëPµPSPSCÍPj C,,CfPSPeC†C-C— PiPµC±C-PSPePë.

P”C-C,Pë

P’PµP·PiPµPeP° C,P° PµC,,PµPeC,PëPIPSC-CÍC,CH P·P°CÍC,PsCÍCfPIP°PSPSCÍ PiCḡPµPiP°CḡP°C,Cf PḡP°CÍP°CḡPe^{B®} PrC-C,CÍPj PIC-Pr PSP°CḡPsPrP¶PµPSPSCÍ PrPs 18 CḡPsPeC-PI PrP»CÍ P»C-PeCfPIP°PSPSCÍ CÍPµCḡC†PµPIPSc— PSpµPrPsCÍC,P°C,PSPsCÍC,C- PSPµ PICÍC,P°PSPsPIP»PµPSC-. P”P°PSC- PIC-PrCÍCfC,PSC-.

P”C-C,Pë

P’PµP·PiPµPeP° C,P° PµC,,PµPeC,PëPIPSC-CÍC,CH P·P°CÍC,PsCÍCfPIP°PSPSCÍ PiCḡPµPiP°CḡP°C,Cf PḡP°CÍP°CḡPe^{B®} PrC-C,CÍPj PSPµ PICÍC,P°PSPsPIP»PµPSC-.

PµPµCḡPµPrPsP·CzPIP°PSPSCÍ

PŸPëPjPiC,PsPjPë: PICḡP°C...PsPICfCḡC±Pë C,,P°CḡPjP°PePsP»PsPiC-C±PSC- PIP»P°CÍC,PëPIPsCÍC,C- PiCḡPµPiP°CḡP°C,Cf, PsCÍPSPsPIPSPëPj PiCḡPsCÍPIPsPj PiPµCḡPµPrPsP·CfPIP°PSPSCÍ, C-PjPsPIC-CḡPSPs, P±CfPrPµ CÍPëPjPiC,PsPjP°C,PëC±PSP° PiC-PiPsC,PµPSP·C-CÍ C,P° P·P°PiP°PjPsCḡPsC±PµPSPSCÍ. P’ PsPeCḡPµPjPëC... PIPëPiP°PrPeP°C... PiPµCḡPµPrPsP·CfPIP°PSPSCÍ (PrPs 672 PjPi PeP°PSPrPµCÍP°CḡC,P°PSCf C†PëP»PµPeCÍPµC,PëP»Cf) PiPsPIC-PrPsPjP»CÍC”C,CHCÍCÍ PiCḡPs PsPrCfP¶P°PSPSCÍ PiP°C†C-C”PSC,C-PI P±PµP· PSP°CÍP»C-PrPeC-PI.

P»C-PeCzPIP°PSPSCÍ: CÍPeC%Ps CḡPsP·PIPëPIP°C”C,CHCÍCÍ CÍPëPjPiC,PsPjP°C,PëC±PSP° PiC-PiPsC,PµPSP·C-CÍ, CÍP»C-Pr PiCḡPëP·PSP°C±PëC,Pë CÍPëPjPiC,PsPjP°C,PëC±PSPµ P»C-PeCfPIP°PSPSCÍ C- PiCḡPsPIPsPrPëC,Pë PjPsPSC-C,PsCḡPëPSPi PiPsPeP°P·PSPëPeC-PI P¶PëC,C,C”PrC-CÍP»CHPSPsCÍC,C-. PµP°C†C-C”PSC,Cf CÍP»C-Pr PSP°PrP°C,Pë PiPsP»PsP¶PµPSPSCÍ P»PµP¶P°C±Pë PSP° CÍPiPëPSC- P· PiC-PrPSCÍC,PëPjPë PrPsPiPsCḡPë PSPsPiP°PjPë. PiPeC%Ps C†CHPsPiPs PSPµPrPsCÍC,P°C,PSCHPs, PSPµPsP±C...C-PrPSPs P·P±C-P»CHCëPëC,Pë PsP±Bḡ™C”Pj PiP»P°P·PjPë PeCḡPsPIC- P·P° PrPsPiPsPjPsPiPsCḡ C-PSC,,CfP·C-C—, PSP°PiCḡPëPeP»P°Pr, 0,9 % CḡPsP·C±PëPSCf PSP°C,CḡC-Cḡ C...P»PsCḡPëPrCf. PiPeC%Ps PIPëC%PµP·P°P·PSP°C±PµPSPëC... P·P°C...PsPrC-PI PSPµPrPsCÍC,P°C,PSCHPs, PjPsP¶PSP° P·P°CÍC,PsCÍCfPIP°C,Pë CÍPëPjPiP°C,PsPjC-PjPµC,PëC±PSC- P»C-PeP°CḡCÍCHPeC- P·P°CÍPsP±Pë. PḡP°PSPrPµCÍP°CḡC,P°PS PSPµ PIPëPIPsPrPëC,CHCÍCÍ P·P° PrPsPiPsPjPsPiPsCḡ PiPµPjPsPrC-P°P»C-P·Cf.

PµPsP±C-C±PSC- CḡPµP°PeC†C-C—

P>C-PeCzPIP°PSPSCII P°C7C,PμC7C-P°P»CHPSPsC— PiC-PiPμC7C,PμPSP·C-C—

PkPμP±P°P¶P°PSC- C7PμP°PeC†C-C—, C%Ps CÍPiPsCÍC,PμC7C-PiP°P»PëCÍCH PiC-Pr C†P°CÍ PePsPSC,C7PsP»CHPsPIP°PSPëC... PeP»C-PSC-C†PSPëC... PrPsCÍP»C-PrP¶PμPSCH PeP°PSPPrPμCÍP°C7C,P°PSCr C†PëP»PμPeCÍPμC,PëP»Cf, P±CfP»Pë P»PμPiPePëPjPë C- C,C7P°PSP·PëC,PsC7PSPëPjPë. P—PiB7™ C¶P·PeCf P·P°PiP°P»CHPSPsC— C†P°CÍC,PsC,Pë PiPsP±C-C†PSPëC... C¶PIPëC% P· PrPsP·PsC7 P°P±Ps PIC-PePsPj PIC-PrP·PSP°C†PμPSPs PSPμ P±CfP»Ps. P7C-P»CHPeC-CÍC,CH PIPëPiP°PrPeC-PI PIC-PrPjC-PSPë P»C-PeCfPIP°PSPSCII C†PμC7PμP· PIPëPSPëPePSPμPSPSCII PiPsP±C-C†PSPëC... C¶PIPëC% P±CfP»P° PiPsPrC-P±PSPsC7 PiC7Pë P»C-PeCfPIP°PSPSC- PeP°PSPPrPμCÍP°C7C,P°PSPsPj C†PëP»PμPeCÍPμC,PëP»PsPj (3,1 %) C- PiP»P°C†PμP±Ps (3,2 %).

PμC7Pë PiC7PsPIPμPrPμPSPSC- CfP·P°PiP°P»CHPSPμPSPsPiPs P°PSP°P»C-P·Cf PrP°PSPëC... PeP»C-PSC-C†PSPëC... PrPsCÍP»C-PrP¶PμPSCH P· CfC†P°CÍC,CH PiP°C†C-C°PSC,C-PI C-P· PiC-PiPμC7C,PμPSP·C-C°C7 PiPsP±C-C†PSC- C7PμP°PeC†C-C— PiC7Pë P·P°CÍC,PsCÍCfPIP°PSPSC- PeP°PSPPrPμCÍP°C7C,P°PSCr C†PëP»PμPeCÍPμC,PëP»Cf PIPëP·PSP°C†P°P»Pë PSP° PsCÍPSPsPIC- PiPsP±C-C†PSPëC... C¶PIPëC%, C†P°CÍC,PsC,P° C¶PePëC... PiC7PëPSP°PNePjPSC- PSP° 1 % PiPμC7PμPIPëC% CÍPIP°P»P° C†P°CÍC,PsC,Cf PiPsP±C-C†PSPëC... C¶PIPëC% PiC7Pë P·P°CÍC,PsCÍCfPIP°PSPSC- PiP»P°C†PμP±Ps. PkP°PNeC†P°CÍC,C-CëPëPjPë PSPμP±P°P¶P°PSPëPjPë C7PμP°PeC†C-C¶PjPë P±CfP»Pë P·P°PiP°PjPsC7PsC†PμPSPSCII/PIPμC7C,PëPiPs, PiPsP»PsPIPSPëPNe P±C-P»CH C,P° C-PSC,,PμPeC†C-C— PrPëC...P°P»CHPSPëC... CëP»C¶C...C-PI.

P'PëPePsC7PëCÍC,P°PSPs PSP°CÍC,CfPiPSC- PIPëP·PSP°C†PμPSPSCII C†P°CÍC,PsC,Pë: PrCfP¶Pμ C†P°CÍC,Ps (≥1/10), C†P°CÍC,Ps (≥1/100 PrPs <1/10), PSPμC†P°CÍC,Ps (≥1/1000 PrPs <1/100), C7C-PrPePs (≥1/10000 PrPs <1/1000) C,P° PrCfP¶Pμ C7C-PrPePs (<1/10000).

P7PsP¶P»PëPIC- C,P°PeC- PiPsP±C-C†PSC- C7PμP°PeC†C-C— PiC-Pr C†P°CÍ P·P°CÍC,PsCÍCfPIP°PSPSCII PeP°PSPPrPμCÍP°C7C,P°PSCr C†PëP»PμPeCÍPμC,PëP»Cf:

P†PSC,,PμPeC†C-C— C,P° C-PSPIP°P·C-C—: C†P°CÍC,Ps B7“ C-PSC,,PμPeC†C-C— PrPëC...P°P»CHPSPëC... CëP»C¶C...C-PI.

P— P±PsPeCz PeC7PsPIC- C,P° P»C-PjC,,P°C,PëC†PSPsC— CÍPëCÍC,PμPjPë: PrCfP¶Pμ C7C-PrPePs B7“ P»PμPNePePsPiPμPSC-C¶, PSPμPNeC,C7PsPiPμPSC-C¶, P°PiC7P°PSCrP»PsC†PëC,PsP·.

P— P±PsPeCz PsP±PjC-PSCz C7PμC†PsPIPëPS C,P° C...P°C7C†CzPIP°PSPSCII: PrCfP¶Pμ C7C-PrPePs B7“ PiC-PiPμC7PeP°P»C-C°PjC-C¶, PiC-PiPsPSP°C,C7C-C°PjC-C¶.

P— P±PsPeCz PSPμC7PIPsIPsC— CÍPëCÍC,PμPjPë: C†P°CÍC,Ps B7“ P·P°PiP°PjPsC7PsC†PμPSPSCII/PIPμC7C,PëPiPs, PiPsP»PsPIPSPëPNe P±C-P»CH.

P PμCÍPiC-C7P°C,PsC7PSC-, C,PsC7P°PeP°P»CHPSC- C,P° PjPμPrC-P°CÍC,PëPSP°P»CHPSC- PiPsC7CzCëPμPSPSCII: PrCfP¶Pμ C7C-PrPePs B7“ PeP°CëPμP»CH.

P— P±PsPeCz C,C7P°PIPSPsC— CÍPëCÍC,PμPjPë: PrCfP¶Pμ C7C-PrPePs B7“ PSCrPrPsC,P°, PrCfP¶Pμ C7C-PrPePs B7“ P°PSPiC-PsPSPμPIC7PsC,PëC†PSPëPNe PSP°P±C7C¶Pe PePëCëPμC†PSPëPeCf, PSPμPIC-PrPsPjPs B7“ PrC-P°C7PμC¶.

P— P±PsPeCž PiPμPiP°C,PsP±C-P»C-P°CḡPSPsC— CÍPëCÍC,PμPjPë: PrCfP¶Pμ CḡC-PrPePs Bḡ“ PiC-PrPIPëC%PμPSPSCḡ CḡC-PIPSCḡ PiPμC±C-PSPePsPIPëC... C,,PμCḡPjPμPSC,C-PI, PiPsCḡCfCεPμPSPSCḡ C,,CfPSPeC±C-C— PiPμC±C-PSPePë, PiPμPiP°C,PëC,,

P— P±PsPeCž CεPeC-CḡPë C,P° PiC-PrCεPeC-CḡPSPsC— PeP»C-C,PePsPIPëPSPë: PrCfP¶Pμ CḡC-PrPePs Bḡ“ P°PSPiC-PsPSPμPICḡPsC,PëC±PSPëPμ PSP°P±CḡCḡPe, PIPëCÍPëPiP°PSPSCḡ, PeCḡPsPiPëPiBḡ™ CḡPSPeP°, CÍPIPμCḡP±C-P¶.

P— P±PsPeCž PeC-CÍC,PePsPIPs-Pjεḡ™ CḡP·PsPIPsC— CÍPëCÍC,PμPjPë: PrCfP¶Pμ CḡC-PrPePs Bḡ“ P±C-P»Cḡ Cí CÍPiPëPSC-, P°CḡC,CḡP°P»PiC-Cḡ, PjC-P°P»PiC-Cḡ.

P— P±PsPeCž PSPëCḡPsPe C,P° CÍPμC±PsPIPëPIC-PrPSPëC... CεP»CḡC...C-PI: PrCfP¶Pμ CḡC-PrPePs Bḡ“ PiPsPiC-CḡCεPμPSPSCḡ C,,CfPSPeC±C-C— PSPëCḡPsPe, PIPeP»CḡC±P°CḡC±Pë PiPsCÍC,CḡCf PSPëCḡPePsPICf PSPμPrPsCÍC,P°C,PSC-CÍC,Cḡ Cí C±CfC,P»PëPIPëC... PiP°C±C-C”PSC,C-PI.

P PμP·CžP»CḡC,P°C,Pë P»P°P±PsCḡP°C,PsCḡPSPëC... P°PSP°P»C-P·C-PI: Cí P±C-P»CḡCεPsCÍC,C- PIPëPiP°PrPeC-PI PSPμ CÍPiPsCÍC,PμCḡC-PiP°P»PsCÍCḡ PeP»C-PSC-C±PSPs P·PSP°C±CfC%PsPiPs PIPiP»PëPICf PiCḡPμPiP°CḡP°C,Cf PḡP°CÍP°CḡPe^{B®} PSP° P·PIPëC±P°PμPSC- P»P°P±PsCḡP°C,PsCḡPSC- PiPsPeP°P·PSPëPePë. PiPe C- PiCḡPë P·P°CÍC,PsCÍCfPIP°PSPSC- C-PSCεPëC... C-PSPiC-P±C-C,PsCḡC-PI CḡPμPSC-PS- P°PSPiC-PsC,PμPSP·PëPS-P°P»CḡPrPsCÍC,PμCḡPsPSPsPIPsC— CÍPëCÍC,PμPjPë, PIC-PrP·PSP°C±PμPSPs PSPμP·PSP°C±PSPμ P·PSPëP¶PμPSPSCḡ CḡC-PIPSCḡ PiPμPjPsPiP»PsP±C-PSCf. P—P°P·PIPëC±P°Pμ PrP»Cḡ PiP°C±C-C”PSC,C-PI, CḡPeC- PiCḡPëPμPjP°CḡC,Cḡ PḡP°CÍP°CḡPe^{B®}, PSPμPjP°C” PSPμPsP±C...C-PrPSPsCÍC,C- Cí PiPsCÍC,C-PμPSPsPjCf PjPsPSC-C,PsCḡPëPSPiCf P»P°P±PsCḡP°C,PsCḡPSPëC... PiPsPeP°P·PSPëPeC-PI. PμCḡPsC,Pμ Cí PiP°C±C-C”PSC,C-PI P· PiPsCḡCfCεPμPSPSCḡPj C,,CfPSPeC±C-C— PSPëCḡPsPe CḡPμPePsPjPμPSPPrCfC”C,CḡCfCḡ PiPμCḡC-PsPrPëC±PSPëPμ PjPsPSC-C,PsCḡPëPSPi CḡC-PIPSC-PI PeP°P»C-Cḡ C,P° PeCḡPμP°C,PëPSC-PSCf CÍPëCḡPsPIP°C,PePë PeCḡPsPIC-.

P>C-PeCžPIP°PSPSCḡ CÍPμCḡC±PμPIPsC— PSPμPrPsCÍC,P°C,PSPsCÍC,C-

PμCḡPsC,,C-P»Cḡ PiPsP±C-C±PSPëC... CḡPμP°PeC±C-Pμ PiCḡPμPiP°CḡP°C,Cf PḡP°CÍP°CḡPe^{B®} Cí PiP°C±C-C”PSC,C-PI C-P· CÍPμCḡC±PμPIPsCḡ PSPμPrPsCÍC,P°C,PSC-CÍC,Cḡ CíP·PiPsPrP¶CfPIP°PICfCḡ P· C,,P°CḡPjP°PePsP»PsPiC-C±PSPëPjPë PIP»P°CÍC,PëPIPsCÍC,CḡPjPë PiCḡPμPiP°CḡP°C,Cf C,P° CÍC,P°PSPsPj P·PrPsCḡPsPiBḡ™ Cḡ PiP°C±C-C”PSC,C-PI. Pj PeP»C-PSC-C±PSC-Pμ PiCḡPsPiCḡP°PjC- CHARM, PiPsCḡC-PIPSCḡCḡC±Pë PeP°PSPPrPμCÍP°CḡC,P°PSCf C±PëP»PμPeCÍPμC,PëP» Cí PrPsP·P°C... PrPs 32 PjPi (n=3803) P· PiP»P°C±PμP±Ps (n=3796), 21,0% PiCḡCfPiPë PeP°PSPPrPμCÍP°CḡC,P°PSCf C±PëP»PμPeCÍPμC,PëP» C,P° 16,1% PiCḡCfPiPë PiP»P°C±PμP±Ps PiCḡPëPiPëPSPëP»Pë P>C-PeCfPIP°PSPSCḡ C±PμCḡPμP· PSPμP±P°P¶P°PSC- PμC,,PμPeC,Pë. PkPμP±P°P¶P°PSC- CḡPIPëC%P°, C,P°PeC- CḡPe PiC-PiPμCḡPeP°P»C-C”PjC-Cḡ, PiC-PiPsC,PμPSP·C-Cḡ, C,P° PSPëCḡPePsPIP° PSPμPrPsCÍC,P°C,PSC-CÍC,Cḡ, PSP°PμC±P°CÍC,C-CεPμ CÍPiPsCÍC,PμCḡC-PiP°P»PëCÍCḡ Cí PiP°C±C-C”PSC,C-PI PIC-PePsPj PIC-Pr 70 CḡPsPeC-PI, C...PIPSCḡPëC... PSP° C±CfPeCḡPsPIPëPμ PrC-P°P±PμC,, P°P±Ps PiP°C±C-C”PSC,C-PI, CḡPeC- PiCḡPëPμPjP°P»Pë C-PSCεC- P>C-PeP°CḡCfCḡPeC- P·P°CÍP°P±Pë, C%Ps PIPiP»PëPIP°CḡC,Cḡ PSP° CḡPμPSC-PS-P°PSPiC-PsC,PμPSP·PëPS- P°P»CḡPrPsCÍC,PμCḡPsPSPsPICf CÍPëCÍC,PμPjCf, P·PsPeCḡPμPjP° C-PSPiC-P±C-C,PsCḡPë PḡPμPα C,P°/P°P±Ps CÍPiC-CḡPsPSPsP»P°PeC,PsPS.

PhPsP¶P»PëPIC- C,P°PeC- PìPsP±C-C±PSC- CḡPµP°PeC†C-C— PìC-Pr C±P°Cí
P·P°CíC,PsCíCfPIP°PSPSC¶ PeP°PSPrPµCíP°CḡC,P°PSCr C†PëP»PµPeCíPµC,PëP»Cf:

P— P±PsPeCá PeCḡPsPIC- C,P° P»C-PjC,,P°C,PëC±PSPsC— CíPëCíC,PµPjPë:PrCfP¶Pµ
CḡC-PrPePs вḡ“ P»PµPNëPePsPìPµPSC-C¶, PSPµPNëC,CḡPsPìPµPSC-C¶ C,P°
P°PiCḡP°PSCfP»PsC†PëC,PsP·.

P— P±PsPeCá PsP±PjC-PSCá CḡPµC±PsPIPëPS C,P° C...P°CḡC±CáPIP°PSPSC¶:
C±P°CíC,Ps вḡ“ PìC-PìPµCḡPeP°P»C-C”PjC-C¶, PrCfP¶Pµ CḡC-PrPePs вḡ“
PìC-PìPsPSP°C,CḡC-C”PjC-C¶.

P— P±PsPeCá PSPµCḡPIPsPIPsC— CíPëCíC,PµPjPë: PrCfP¶Pµ CḡC-PrPePs вḡ“
P·P°PìP°PjPsCḡPsC±PµPSPSC¶, PìPsP»PsPIPSPëPNë P±C-P»CH.

P— P±PsPeCá CíCáPrPëPS: C±P°CíC,Ps вḡ“ PìC-PìPsC,PµPSP·C-C¶.

P PµCíPìC-CḡP°C,PsCḡPSC-, C,PsCḡP°PeP°P»CHPSC- C,P°
PjPµPrC-P°CíC,PëPSP°P»CHPSC- PìPsCḡCáCëPµPSPSC¶: PrCfP¶Pµ CḡC-PrPePs вḡ“
PeP°CëPµP»CH.

P— P±PsPeCá C,CḡP°PIPSPsPìPs C,CḡP°PeC,Cá: PrCfP¶Pµ CḡC-PrPePs вḡ“ PSCfPrPsC,P°,
PrCfP¶Pµ CḡC-PrPePs вḡ“ P°PSPìC-PsPSPµPICḡPsC,PëC±PSPëPNë PSP°P±CḡC¶Pe
PePëCëPµC±PSPëPeCf, PSPµPIC-PrPsPjPs вḡ“ PrC-P°CḡPµC¶.

P— P±PsPeCá PìPµC±C-PSPePë C,P° P¶PsPIC±PsPIPëPIC-PrPSPëC... CëP»C¶C...C-PI:
PrCfP¶Pµ CḡC-PrPePs вḡ“ PìC-PrPIPëC%PµPSPSC¶ CḡC-PIPSC¶
PìPµC±C-PSPePsPIPëC... C,,PµCḡPjPµPSC,C-PI, PìPsCḡCfCëPµPSPSC¶ C,,CfPSPeC†C-C—
PìPµC±C-PSPePë, PìPµPìP°C,PëC,.

P— P±PsPeCá CëPeC-CḡPë C,P° PìC-PrCëPeC-CḡPSPsC— PeP»C-C,PePsPIPëPSPë:
PrCfP¶Pµ CḡC-PrPePs вḡ“ P°PSPìC-PsPSPµPICḡPsC,PëC±PSPëPNë PSP°P±CḡC¶Pe,
PIPëCíPëPìP°PSPSC¶, PeCḡPsPìPëPI·C¶PSPeP°, CíPIPµCḡP±C-P¶.

P— P±PsPeCá CíPePµP»PµC,PSPs-Pj·C¶P·PsPIPsC— CíPëCíC,PµPjPë C,P°
CíPìPsP»CáC±PSPsC— C,PeP°PSPëPSPë: PrCfP¶Pµ CḡC-PrPePs вḡ“ P±C-P»CH Cí
CíPìPëPSC-, P°CḡC,CḡP°P»PìC-C¶, PjC-P°P»PìC-C¶.

P— P±PsPeCá PSPëCḡPsPe C,P° CíPµC±PsPIPëPIC-PrPSPëC... CëP»C¶C...C-PI:
C±P°CíC,Ps вḡ“ PìPsCḡCfCëPµPSPSC¶ C,,CfPSPeC†C-C— PSPëCḡPsPe,
PIPeP»CḡC±P°CḡC±Pë PSPëCḡPePsPICr PSPµPrPsCíC,P°C,PSC-CíC,CH Cí
C±CfC,P»PëPIPëC... PìP°C†C-C”PSC,C-PI.

P PµP·CáP»CHC,P°C,Pë P»P°P±PsCḡP°C,PsCḡPSPëC... P°PSP°P»C-P·C-PI: Cí
PìP°C†C-C”PSC,C-PI, C¶PeC- PìCḡPëPNëPjP°CḡC,CH PeP°PSPrPµCíP°CḡC,P°PSCr
C†PëP»PµPeCíPµC,PëP» P·P° PìPsPeP°P·P°PSPSC¶PjPë CíPµCḡC†PµPIPsC—
PSPµPrPsCíC,P°C,PSPsCíC,C-, C±P°CíC,Ps PIPëPSPëPeP°C” PìC-PìPµCḡPeP°P»C-C”PjC-C¶ C,P°
PìPsCḡCfCëPµPSPSC¶ C,,CfPSPeC†C-C— PSPëCḡPsPe. P PµPePsPjPµPSPrCfC”C,CHCíC¶
PìPµCḡC-PsPrPëC±PSPëPNë PjPsPSC-C,PsCḡPëPSPi CḡC-PIPSC-PI PeCḡPµP°C,PëPSC-PSCr C,P°
PeP°P»C-CH Cí CíPëCḡPsPIP°C,C†C- PeCḡPsPIC- (PrPëPI. CḡPsP·PrC-P»
B«PhCíPsP±P»PëPIPsCíC,C- P·P°CíC,PsCíCfPIP°PSPSC¶B»).

