

Р_НР_μC...P°PSC-P·P_j PrC-C—, P''C-C_ТC_†P° C_ТP_μC_†PsPIPëPSP° C-PSC_ГC_ГP»C-PSC_Г
PiP»P°C_ТPiC-PSC_Г C'' P°PSP°P»PsPiPsP_j P»C_ТPrC_ГC_ТHePsPiPs C-PSC_ГC_ГP»C-PSC_Г
C,C_ТPëPIP°P»PsC— PrC-C—, C%₀₀Ps PIPëPiPsC,P_sPIP»P_μPSPëPN₀ P·P° PrPsPiPsP_jPsPiPsC_Т
C,P_μC...PSPsP»PsPiC-C— C_ТP_μPePsP_jP±C-PSP°PSC,PSPëC... P''КР_Т P·
PIPëPePsC_ТPëC_ГC,P°PSPSC_ГP_j P_jC-PeC_ТPsPsC_ТPiP°PSC-P·P_jC_Г-PiC_ТPsPrC_ГC_†P_μPSC,C_Г
Escherichia coli.

*PĖP†P“ бĤ“ CĖPIPĖPrPeC-ĆĆC,CH C-PSC,,ĆrP·C-C— PiP»CHPePsP·Pĕ: PIPĖP·PSP°C†P°P»P°ĆĆCĤ CĤPe PeC-P»CHPeC-ĆĆC,CH PIPuPrPuPSPSC— PiP»CHPePsP·Pĕ PrP»CĤ PiC-PrC,CHPĖPjPePĕ PiPsĆĆC,C-PNĖPSPsPiPs CĤC-PIPSCĤ PiP»CHPePsP·Pĕ Ćr PĖP»P°P·PjC- PeCĤPsPIC- (C%oPsPiPsPrPĖPSPSC- ĆĤPuCHPuPrPSC- PĖPsPeP°P·PSPĖPePĕ). P—P°PIPuCHCĖPuPSPSCĤ

РiРµCґC-РsРrCґ CґРiРsCґC,РµCґРµPґPµPSPSCґ PIC-РrP±CґP»PсCґCґ PSP° 36 РiРsРrPёPSC-.

Р РёCґ. 1. РµCґРsC,,C-Р»Cґ Р°РёC,РёPIPSРсCґC,C- PI CґC-PIPSРsPIP°PґPSPРjCґ CґC,Р°PSC-
Cґ C...PIPSCґРёC... PSP° CґCґРёCґРsPIPёPґ РrC-Р°P±РµC, 1 C,РёРiCґ Cґ 36-
РiРsРrPёPSPSPРjCґ РrРsCґP»C-РrPґPµPSPSC- РjРµC,РsРrРsРj C,,C-РёCґP°CґC-C—
РµCґРiP»C-РёРµРjC-CґPSPРiРs CґC,Р°PSCґ.

Р'C-Р»CґCґ CґC-PIPSРsРjC-CґPSPµ PIPёPIC-Р»CґPSPµPSPSCґ C-PSCґCґP»C-PSCґ
РiP»P°CґРiC-PSCґ Р· РiCґРµCґPёРiC-C,Р°C,Cґ РiCґРµCґРiP°CґP°C,Cґ РґРsPґPµРs
РґРsР»РsРґC,Р°Cґ Cґ РiРsCґC-PIPSCґPSPSC- C-Р· C,Р°РёРёРj РiCґРµCґРiP°CґP°C,Cґ
C-PSCґCґP»C-PSCґ РiP»P°CґРiC-PSCґ 100 РґРr./РjP» РsР±CґРjРsPIP»РµPSPµ
Р·РjРµPSCёРµPSPSCґРj РsР±Cґ™ C”РjCґ C-PSBґ™ C”РёCґC-C— PSP° РrPIC- C,CґРµC,РёPSPё,
C°Рs РiCґРёP·PIPSРrPёC,Cґ РrРs РjРµPSCёРsC— РiP»РsC°C- РiРsPIPµCґC...PSC-
РiCґРµCґPёРiC-C,Р°C,Cґ.

РґPSCґCґP»C-PS РiP»P°CґРiC-PS РjРµC,Р°P±РsР»C-Р·CґC”C,CґCґCґ РrРs 2
Р°РёC,РёPIPSРёC... РjРµC,Р°P±РsР»C-C,C-PI Bґ” Рґ1 C,Р° M2 (РrPёPI. CґРsР·РrC-Р»
B«Р°P°CґРjР°РёРsРёC-PSPµC,РёРёP°B»).

Р—PIBґ™ CґP·CґPIP°PSPSCґ Р· C-PSCґCґP»C-PSPРiPёРj CґРµCґРµРiC,РsCґРsРj.
Р РµP·CґP»CґC,Р°C,Рё РrРsCґP»C-РrPґPµPSCґ *in vitro* CґPIC-РrCґP°C,Cґ РiCґРs C,Рµ, C°Рs
Р°C,,C-PSPSC-CґC,Cґ C-PSCґCґP»C-PSCґ РiP»P°CґРiC-PSCґ C,Р° РґРsРiРs
РjРµC,Р°P±РsР»C-C,C-PI Рґ1 C- M2 РrРs C-PSCґCґP»C-PSPРiРsРiРs CґРµCґРµРiC,РsCґP°
Р»CґРrPёPSPё РiРsРrC-Р±PSP° Р°C,,C-PSPSPсCґC,C- Р»CґРrCґCґРёРsРiРs
C-PSCґCґP»C-PSCґ РrРs CґCґРsРiРs CґРµCґРµРiC,РsCґP°.

Р—PIBґ™ CґP·CґPIP°PSPSCґ Р· CґРµCґРµРiC,РsCґРsРj РґР°Р -1
(C-PSCґCґP»C-PSPРiРsРrC-Р±PSPРiРs C,,Р°РёC,РsCґP° CґРсCґC,Cґ 1).
РґC,,C-PSPSC-CґC,Cґ C-PSCґCґP»C-PSCґ РiP»P°CґРiC-PSCґ РrРs CґРµCґРµРiC,РsCґP°
РґР°Р -1 Р»CґРrPёPSPё РiCґРёP±P»РёP·PSPс Cґ 5Bґ”8 CґР°P·C-PI PIPёC°Р° Р·Р°
Р°C,,C-PSPSC-CґC,Cґ Р»CґРrCґCґРёРёРsРiРs C-PSCґCґP»C-PSCґ (Р°P»Рµ РiCґРёP±P»РёP·PSPс
Cґ 70Bґ”80 CґР°P·C-PI PSPёPґCґP°, PSC-Рґ Р°C,,C-PSPSC-CґC,Cґ РґР°Р -1 РrРs CґCґРsРiРs
CґРµCґРµРiC,РsCґP°), C,РsРrC- CґРё РjРµC,Р°P±РsР»C-C,Рё Рґ1 C- M2
Р·PIBґ™ CґP·CґCґC,CґCґCґ Р· CґРµCґРµРiC,РsCґРsРj РґР°Р -1 Р· Р°C,,C-PSPSC-CґC,Cґ,
РrРµC°Рs PSPёPґCґРс Р·Р° Р°C,,C-PSPSC-CґC,Cґ Р»CґРrCґCґРёРёРsРiРs
C-PSCґCґP»C-PSCґ.

Р—Р°РiР°P»CґPSP° C,РµCґР°РiРµPIC,РёCґPSP° РёРsPSCґРµPSC,CґP°CґC-Cґ
C-PSCґCґP»C-PSCґ (C-PSCґCґP»C-PSCґ РiP»P°CґРiC-PSCґ C,Р° РґРsРiРs
РjРµC,Р°P±РsР»C-C,C-PI), C°Рs PIPёP·PSP°CґP°P»P°CґCґ Cґ РiP°CґC-C”PSC,C-PI Р·
CґCґРёCґРsPIPёРj РrC-Р°P±РµC,РsРj 1 C,РёРiCґ, Р±CґP»P° Р·PSP°CґPSPс PSPёPґCґРс Р·Р°
C,Cґ, CґРёP° Р±CґP»P° Р± PSPµРsР±C...C-РrPSPс РrP»Cґ
PSP°РiC-PIРjР°РёCґРёРjР°P»CґPSPРiРs Р·PIBґ™ CґP·CґPIP°PSPSCґ Р· CґРµCґРµРiC,РsCґРsРj
РґР°Р -1 C,Р° РrP»Cґ РiРsРrP°P»CґCґРс— Р°РёC,РёPIP°CґC-C— РjC-C,РsРiРµPSPSPс-
РiCґРsР»C-C,,РµCґP°C,РёPIPSРsРiРs РjРµC...P°PSC-Р·РjCґ, CґРёРёPґ
Р·Р°РiCґCґРёР°C”C,CґCґCґ CґРµCґРµРiC,РsCґРsРj РґР°Р -1. Р·PSPРsРiРµPSPSPёPґ
CґРµCґРµРiC,РsCґ РґР°Р -1 Cґ C,,C-Р·C-РsР»РsРiC-CґPSPёC... РёРsPSCґРµPSC,CґP°CґC-CґC...
РjРsPґPµ Р°РёC,РёPICґPIP°C,Рё РjC-C,РsРiРµPSPSPс-РiCґРsР»C-C,,РµCґP°C,РёPIPSРёPґ

PjPμC...P°PSC-P·Pj; PiCḡPsC,Pμ C,PμCḡP°PiPμPIC,PëC±PSC- PePsPSC†PμPSC,CḡP°C†C-C—
C-PSC†C†P»C-PSC†, C‡PeC- PIPëPePsCḡPëC†C,PSPIC†CḡC,CHC†C‡C PiCḡPë
C-PSC†C†P»C-PSPsC,PμCḡP°PiC-C—, PI C,PSPjC† C±PëC†P»C- PiCḡPë C,PμCḡP°PiC-C—
PiCḡPμPiP°CḡP°C,PSPj PŸPsP¶PμPs PŸPsP»PsPŸC,P°Cḡ, P·PSP°C±PSPs PSPëP¶C±C- P·P°
C,,P°CḡPjP°PePsP»PsPiC-C±PSC- PePsPSC†PμPSC,CḡP°C†C-C—, PSPμPsP±C...C-PrPSC- PrP»C‡
P°PeC,PëPIP°C†C-C— P†PαP -1-PsPiPsC†PμCḡPμPrPePsPIP°PSPsPiPs PjPμC...P°PSC-P·PjC†.

PJ PrPsC†P»C-PrP¶PμPSPSC- PeP»C-PSC-C±PSPsC— C,,P°CḡPjP°PePsP»PsPiC-C— P±C†P»Ps
PiPsPeP°P·P°PSPs, C%Ps C-PSC†C†P»C-PS PiP»P°CḡPiC-PS C,P° P»CḡPrC†CḡPePëPNë
C-PSC†C†P»C-PS PiCḡPë PIPSC†C,CḡC-CëPSCḡPsPIPμPSPSPsPjC† PIPiPμPrPμPSPSC- C”
PμPePIC-PiPsC,PμPSC,PSPëPjPë PiCḡPë P·P°C†C,PSC†C†PIP°PSPSC- C† PsPrPSP°PePsPIPëC...
PrPsP·P°C....

PiPe C- PiCḡPë P·P°C†C,PSC†C†PIP°PSPSC- P±C†PrCḡ-C‡PePëC... C-PSC†C†P»C-PSC-PI, PSP°
PrPëPSP°PjC-PeC† PrC-C— C-PSC†C†P»C-PSC† PiP»P°CḡPiC-PSC† PjPsP¶C†C,CH
PIPiP»PëPIP°C,Pë C,,C-P·PëC±PSP° P°PeC,PëPIPSC-C†C,CH C,P° C-PSCëC- C±PëPSPSPëPePë.

PμP»C-PSC-C±PSP° PμC,,PμPeC,PëPIPSC-C†C,CH C,P° P±PμP·PiPμPeP°. PJ PIC-PrPeCḡPëC,PëC...
CḡP°PSPPrPsPjC-P·PsPIP°PSPëC... PIPëPiCḡPsP±C†PIP°PSPSC‡C... PI
PiP°CḡP°P»PμP»CHPSPëC... PiCḡC†PiP°C... P· P°PeC,PëPIPSPëPj PePsPSC,CḡPsP»PμPj
C,CḡPëPIP°P»C-C†C,Cḡ PrPs 26 C,PëP¶PSC-PI PiPsCḡC-PIPSCḡPIP°P»Pë P·P°PiP°P»CHPSC†B
B PμC,,PμPeC,PëPIPSC-C†C,CH B B C,P° B B P±PμP·PiPμPeC† B B PiCḡPμPiP°CḡP°C,C†
B B PŸPsP¶PμPs B B PŸPsP»PsPŸC,P°Cḡ B B (C-PSC†C†P»C-PSB B PiP»P°CḡPiC-PS

300 PhPr./PjP») PiCḡPë PIPiPμPrPμPSPSC- 1 CḡP°P· PSP° PrPsP±C† C%PsPrPs
PiP»C-PePμPjC-C±PSPsPiPs PePsPSC,CḡPsP»Cḡ C† PiPsCḡC-PIPSC‡PSPSC- P· C†PëPjPë
PiPsPeP°P·PSPëPeP°PjPë C-PSC†C†P»C-PSC† PiP»P°CḡPiC-PSC† 100 PhPr./PjP» PiCḡPë
PIPiPμPrPμPSPSC- 1 CḡP°P· PSP° PrPsP±C† C† 546 PiP°C†C-C”PSC,C-PI P· C†C†PeCḡPsPIPëPj
PrC-P°P±PμC,PSPj 1 C,PëPiC† C- 2474 PiP°C†C-C”PSC,C-PI P· C†C†PeCḡPsPIPëPj
PrC-P°P±PμC,PSPj 2 C,PëPiC† (PrPëPI. C,P°P±P»PëC†C- 1 C- 2). P PμP·C†P»CHC,P°C,Pë
PIC†C-C... PeP»C-PSC-C±PSPëC... PrPsC†P»C-PrP¶PμPSCḡ PiCḡPμPiP°CḡP°C,C† PŸPsP¶PμPs
PŸPsP»PsPŸC,P°Cḡ PiPsPeP°P·P°P»Pë, C%Ps P·PSPëP¶PμPSPSC‡ PIPjC-C†C,C† HbA1c P·
PiPsC±P°C,PeC† PrPs P·P°PIPμCḡCëPμPSPSC‡ PrPsC†P»C-PrP¶PμPSCḡ P±C†P»Ps
PiCḡPëPSP°PNëPjPSC- PSPμ PiC-CḡCëPμ P·P° P·PjC-PSC† C†CHPsPiPs PiPsPeP°P·PSPëPeP°,
PsC,CḡPëPjP°PSC† PiCḡPë P·P°C†C,PSC†C†PIP°PSPSC- C-PSC†C†P»C-PSC† PiP»P°CḡPiC-PSC†
100 PhPr./PjP». P C-PIPSC- P·PSPëP¶PμPSPSC‡ PePsPSC†PμPSC,CḡP°C†C-C— PiP»CḡPePsP·Pë
PI PeC-PSC†C- PIPëPiCḡPsP±C†PIP°PSPSC‡ PiCḡPμPiP°CḡP°C,C-PI PŸPsP¶PμPs
PŸPsP»PsPŸC,P°Cḡ C- C-PSC†C†P»C-PSC† PiP»P°CḡPiC-PSC† 100 PhPr./PjP» P±C†P»Pë
PiPsPrC-P±PSPëPjPë, P±C-P»CHCë PiPsPIC-P»CHPSPëPj P±C†P»Ps P·PSPëP¶PμPSPSC‡ PiC-Pr
C±P°C† PiPμCḡC-PsPrC† C,PëC,CḡC†PIP°PSPSC‡ PrPsP·Pë PiCḡPμPiP°CḡP°C,C† PŸPsP¶PμPs
PŸPsP»PsPŸC,P°Cḡ.

P·C,,PμPeC,PëPIPSC-C†C,CH PiP»C-PePμPjC-C±PSPsPiPs PePsPSC,CḡPsP»Cḡ PiCḡPë
P·P°C†C,PSC†C†PIP°PSPSC- PiCḡPμPiP°CḡP°C,C† PŸPsP¶PμPs PŸPsP»PsPŸC,P°Cḡ PsPrPëPS
CḡP°P· PSP° PrPsP±C† PICḡP°PSC†C- P°P±Ps PIPiPμC±PμCḡC- P±C†P»P° C†C...PsP¶PsCḡ. PkP°
PiPsPeCḡP°C%PμPSPSC‡ PiPsPeP°P·PSPëPeC-PI HbA1c PSPμ PIPiP»PëPIP°P»Pë C†C,P°C,CH,
PμC,PSC-C±PSP° PSP°P»PμP¶PSC-C†C,CH C,P° PIC-Pe PiP°C†C-C”PSC,P°,
C,CḡPëPIP°P»C-C†C,CH P·P°C...PIPsCḡCḡPIP°PSPSC‡ PSP° C†C†PeCḡPsPIPëPNë PrC-P°P±PμC,
(< 10 C- ≥ 10 CḡPsPeC-PI), PePsPSC†PμPSC,CḡP°C†C-C‡ HbA1c PrPs P»C-PeC†PIP°PSPSC‡ (< 8
P°P±Ps ≥ 8 %) C±Pë PiPsC±P°C,PePsPIPëPNë C-PSPPrPμPeC† PjP°C†Pë C,C-P»P° (P†PḡPŸ)
C...PIPsCḡPsPiPs.

PJ PeC-PSC†C- C†PëC... PrPsC†P»C-PrP¶PµPSCĤ, PI C†PePëC... PrPsP·Pë PiCĤPµPïP°CĤP°C,C-PI C,PëC,CĤC†PIP°P»Pë PrPs PrPsC†C†PIPSPµPSPSC† C†C-P»CHPsPIPëC... CĤC-PIPSC-PI PiP»C-PePµPjC-C—, PI PiCĤC†PiC- PiCĤPµPïP°CĤP°C,C† PŷPsP¶PµPs PŷPsP»PsPŸC,P°CĤ PIPiPsPrPëP»PëC†C† PrPsP·Pë, PSP° 10вĤ“18 % (P·P°P»PµP¶PSPs PIC-Pr PiC-PrPiCĤC†PiPë PiP°C†C-C”PSC,C-PI C,P° C†C†PiC†C,PSCĤPsC— C,PµCĤP°PiC-C—) PIPëC‰C- P·P° PrPsP·Pë, C†PeC- PIPiPsPrPëP»PëC†C† PI PiCĤC†PiC- PiCĤPµPïP°CĤP°C,C† PiPsCĤC-PIPSC†PSPSC† (PrPëPI. C,P°P±P»PëC†C- 1 C- 2).

P”P»C† C...PIPsCĤPëC... PSP° C†C†PeCĤPsPIPëPNë PrC-P°P±PµC, 2 C,PëPiC†, C†PeC- PsC,CĤPëPjC†PIP°P»Pë PrPsC†P»C-PrP¶C†PIP°PSC- PiCĤPµPïP°CĤP°C,Pë C† PePsPjP±C-PSP°C†C-C— P°P±Ps P· PSPµC-PSC†C†P»C-PSPsPIPëPj PiCĤPsC,PëPrC-P°P±PµC,PëC†PSPëPj PiCĤPµPïP°CĤP°C,PsPj, P°P±Ps P· PiCĤP°PSPrC-P°P»CHPsPëPj C-PSC†C†P»C-PSPsPj, CĤPµP·C†P»CHC,P°C,Pë PeP»C-PSC-C†PSPëC... PIPëPiCĤPsP±C†PIP°PSCĤ PiPsPeP°P·P°P»Pë, C‰Ps C†P°C†C,PsC,P° PIPëPSPëPePSPµPSPSC† PiC-PrC,PIPµCĤPrP¶PµPSPëC... PIPëPiP°PrPeC-PI PiC-PiPsPiP»C-PePµPjC-C— (C† P±C†PrCH-C†PePëPNë C†P°C† PrPsP±Pë C,P° PSC-C†PSPëC...) P±C†P»P° PSPëP¶C†PsCĤ C† PiP°C†C-C”PSC,C-PI, C†PeC- PsC,CĤPëPjC†PIP°P»Pë PiCĤPµPïP°CĤP°C, PŷPsP¶PµPs PŷPsP»PsPŸC,P°CĤ, C† PiPsCĤC-PIPSC†PSPSC- P· PiP°C†C-C”PSC,P°PjPë, C†PeC- PsC,CĤPëPjC†PIP°P»Pë C-PSC†C†P»C-PS PiP»P°CĤPiC-PS 100 PhPr./PjP». PµPµCĤPµPIP°PiP° PiCĤPµPïP°CĤP°C,C† PŷPsP¶PµPs PŷPsP»PsPŸC,P°CĤ PSP°Pr C-PSC†C†P»C-PSPsPj PiP»P°CĤPiC-PSPsPj 100 PhPr./PjP» C‰PsPrPs P·PSPëP¶PµPSPSC† CĤPëP·PëPeC† PIPëPSPëPePSPµPSPSC† PiC-PrC,PIPµCĤPrP¶PµPSPsC— PSC-C†PSPsC— PiC-PiPsPiP»C-PePµPjC-C— PiPsPeP°P·P°PSP° C† PiP°C†C-C”PSC,C-PI P· C†C†PeCĤPsPIPëPj PrC-P°P±PµC,PsPj 2 C,PëPiC†, C†PePëC... P»C-PeC†PIP°P»Pë P±P°P·P°P»CHPsPëPj C-PSC†C†P»C-PSPsPj C† PePsPjP±C-PSP°C†C-C— P· PSPµC-PSC†C†P»C-PSPsPIPëPjPë PiCĤPsC,PëPrC-P°P±PµC,PëC†PSPëPjPë P»C-PeP°CĤC†CHPePëPjPë P·P°C†PsP±P°PjPë (P·PSPëP¶PµPSPSC† CĤPëP·PëPeC† PSP° 18 %) P°P±Ps PiCĤP°PSPrC-P°P»CHPsPëPj C-PSC†C†P»C-PSPsPj (P·PSPëP¶PµPSPSC† CĤPëP·PëPeC† PSP° 21 %) PiCĤPsC,C†PiPsPj PiPµCĤC-PsPrC† P»C-PeC†PIP°PSPSC† P· 9-PiPs C,PëP¶PSC† PrPs P·P°PIPµCĤCëPµPSPSC† PrPsC†P»C-PrP¶PµPSPSC†. P—P°PiP°P»PsPj C†C- PµC,,PµPeC,Pë P·PSPëP¶PµPSPSC† CĤPëP·PëPeC† PiC-PiPsPiP»C-PePµPjC-C— C†C,P°P±C-P»CHPsPs C†PiPsC†C,PµCĤC-PiP°P»PëC†C† PSPµP·P°P»PµP¶PSPs PIC-Pr PIC-PeC†, C†C,P°C,C-, P†PĤPŷ, C,CĤPëPIP°P»PsC†C,C- P·P°C...PIPsCĤCHPIP°PSPSC† PSP° C†C†PeCĤPsPIPëPNë PrC-P°P±PµC, (< 10 C- ≥ 10 CĤPsPeC-PI) C† PiP°C†C-C”PSC,C-PI, C†PeC- P»C-PeC†PIP°P»PëC†C† PiCĤPµPïP°CĤP°C,PsPj PŷPsP¶PµPs PŷPsP»PsPŸC,P°CĤ, C† PiPsCĤC-PIPSC†PSPSC- P· PiP°C†C-C”PSC,P°PjPë, C†PeC- PsC,CĤPëPjC†PIP°P»Pë C-PSC†C†P»C-PS PiP»P°CĤPiC-PS 100 PhPr./PjP».

PJ C...PIPsCĤPëC... PSP° C†C†PeCĤPsPIPëPNë PrC-P°P±PµC, 1 C,PëPiC† C†P°C†C,PsC,P° PIPëPSPëPePSPµPSPSC† PiC-PiPsPiP»C-PePµPjC-C— P±C†P»P° PiPsPrC-P±PSPsCĤ PiCĤPë P·P°C†C,PsC†C†PIP°PSPSC- PiCĤPµPïP°CĤP°C,C-PI PŷPsP¶PµPs PŷPsP»PsPŸC,P°CĤ C-PSC†C†P»C-PS PiP»P°CĤPiC-PS 100 PhPr./PjP» (PrPëPI. C,P°P±P»PëC†CĤ 3).

PŷP°P±P»PëC†C† 1

P PµP·C†P»CHC,P°C,Pë PeP»C-PSC-C†PSPëC... PrPsC†P»C-PrP¶PµPSCĤ P·P° C†C†P°C†C,CĤ PiP°C†C-C”PSC,C-PI P· C†C†PeCĤPsPIPëPj PrC-P°P±PµC,PsPj 1 C,PëPiC†

26 C,PëP¶PSC-PI P»C-PeC†PIP°PSPSC†

	PyPsP¶PµPs PYPsP»PsPYC,P°C¶	P†P“P»P°C¶
P>C-PeCfPIP°PSPSC¶ Cf PePsPjP±C-PSP°C†C-C— P·	P°PSP°P»PsPiPsPj PiC¶P°PSPrC-P°P»CHbPSPsPiPs C-PSCfCfP»C-PSCf	
P¶C-P»CHbPeC-CfC,CHb PiP°C†C-C”PSC,C-PI, C¶PeC- PsC,C¶PëPjP°P»Pë P»C-PeCfPIP°PSPSC¶ (mITT ^a)	273	273
P C-PIPµPSC¶ HbA_{1c} PYPµC¶PµPrPSC-PNë PIPëC...C-PrPSPëPNë C¶C-PIPµPSC¶	8,13	8,12
PYPµC¶PµPrPSC¶ P·PjC-PSP° PIC-Pr PIPëC...C-PrPSPsPiPs C¶C-PIPSC¶ P· PiPsPiC¶P°PIPeP°PjPë	-0,40	-0,44
PYPµC¶PµPrPSC¶ C¶C-P·PSPëC†C¶ P· PiPsPiC¶P°PIPeP°PjPë ^b	0,04 [PIC-Pr -0,098 PrPs 0,185]	
P“PsP·P° P±P°P·P°P»CHbPSPsPiPs C-PSCfCfP»C-PSCf^c (PhPr/PePi) PYPµC¶PµPrPSC-PNë PIPëC...C-PrPSPëPNë C¶C-PIPµPSC¶	0,32	0,32
PYPµC¶PµPrPSC¶ P·PjC-PSP° PIC-Pr PIPëC...C-PrPSPsPiPs C¶C-PIPSC¶	0,15	0,09
P¶P°CfP° C,C-P»P^d (PePi) PYPµC¶PµPrPSC-PNë PIPëC...C-PrPSPëPNë C¶C-PIPµPSC¶	81,89	81,80
PYPµC¶PµPrPSC¶ P·PjC-PSP° PIC-Pr PIPëC...C-PrPSPsPiPs C¶C-PIPSC¶	0,46	1,02

P†P“P»P°C¶ b¶” C-PSCfCfP»C-PS PiP»P°C¶PiC-PS 100 PsPrPëPSPëC†CHb/PjP».

^amITT b¶” PjPsPrPëC,,C-PePsPIP°PSP° PiPsPiCfP»C¶C†C-C¶ CfCfC-C...
C¶P°PSPrPsPjC-P·PsPIP°PSPëC... PiP°C†C-C”PSC,C-PI (intention-to-treat) .

^bP C-P·PSPëC†C¶ PjC-P¶ PiC¶CfPiP°PjPë P»C-PeCfPIP°PSPSC¶ PIPëP·PSP°C†P°P»P°CfC¶
C¶P»C¶C...PsPj PIC-PrPSC-PjP°PSPSC¶ P·PSP°C†PµPSC¶, PsC,C¶PëPjP°PSPëC... PI PiC¶CfPiC-
PiC¶PëPNëPsPjCf PiC¶PµPiP°C¶P°C,Cf PyPsP¶PµPs PYPsP»PsPYC,P°C¶, PIC-Pr
P·PSP°C†PµPSC¶, PsC,C¶PëPjP°PSPëC... PI PiC¶CfPiC- PiC¶PëPNëPsPjCf C-PSCfCfP»C-PSCf
PiP»P°C¶PiC-PSCf 100 PsPrPëPSPëC†CHb/PjP»; [95% PrPsPIC-C¶C†PëPNë C-PSC,PµC¶PIP°P»] .

^cP—PjC-PSP° P· PIPëC...C-PrPSPsPiPs C¶C-PIPSC¶ PrPs P¶C-CfC¶C†C¶ 6 (PsC†C-PSPëP°
CfPiPsCfC,PµC¶PµP¶CfPIP°PSPëC... PIPëPiP°PrPeC-PI).

^dP—PjC-PSP° P· PIPëC...C-PrPSPsPiPs C¶C-PIPSC¶ PrPs PsCfC,P°PSPSC¶PsPiPs
P·PSP°C†PµPSPSC¶, PsC,C¶PëPjP°PSPsPiPs PiC¶PsC,C¶PiPsPj PsCfPSPsPIPSsPiPs 6-
PjC-CfC¶C†PSPsPiPs PiPµC¶C-PsPrCf P»C-PeCfPIP°PSPSC¶.

$$\begin{aligned} & \text{P} \text{ P}_{\mu} \text{P} \cdot \text{Cr} \text{P} \gg \text{CH}_3 \text{C}, \text{P}^{\circ} \text{C}, \text{P} \text{e} \text{P} \gg \text{C} - \text{PSC} - \text{C} \ddagger \text{PSP} \ddot{\text{C}} \dots \text{Pr} \text{Ps} \text{Cl} \text{P} \gg \text{C} - \text{Pr} \text{P} \parallel \text{P}_{\mu} \text{PSC} \text{H} \text{P} \cdot \text{P}^{\circ} \\ & \text{Cr} \text{C} \ddagger \text{P}^{\circ} \text{Cl} \text{C}, \text{C} \text{H} \text{P} \text{P}^{\circ} \text{C} \ddagger \text{C} - \text{C}'' \text{PSC}, \text{C} - \text{PI} \text{P} \cdot \text{C} \ddagger \text{Cr} \text{Pe} \text{C} \text{H} \text{Ps} \text{PI} \text{P} \ddot{\text{P}} \text{P} \text{J} \text{Pr} \text{C} - \text{P}^{\circ} \text{P} \pm \text{P}_{\mu} \text{C}, \text{Ps} \text{P} \text{J} \text{2} \text{C}, \text{P} \ddot{\text{P}} \text{P} \ddot{\text{C}} \text{r} \end{aligned}$$

26 C,PëP¶PSC-PI P»C-PeCřPIP°PSPSCŮ

	РнР°C†C-C"PSC,Рө, CIIPeC-C_{II}P°PSC-C€Pμ PsC,C_{II}PөPjC†PIP°P»Pө P±P°P·P°P»CH_{II}PSPөPNө C-PSC†C†P»C-PS P°PSP°P»PsPiPsPj PiC _{II} P°PSPrC-P°P»CH _{II} PSPsPiPs C-PSC†C†P»C-PSC† B± PjPμC,C,,PsC _{II} PjC-PS	РнР°C†C-C"PSC,Рө, CIIPeC-C_{II}P°PSC-C€Pμ PsC,C_{II}PөPjC†PIP°P»Pө P±P°P·P°P»CH_{II}PSPөPNө C-PSC†C†P»C-PS PSPμC-PSC†C†P»C-PSPsPIPөPjPө PiC _{II} PsC,PөPrC-P°P±PμC,PөC‡PSPөPjPө	РнР°C†C-C"PSC,Рө, CIIPeC-C_{II}P°PSC-C€Pμ PsC,C_{II}PөPjC†PIP°P»Pө C-PSC†C†P»C-PS PSPμC-PSC†C†P»C-PSPsPIPөPjPө PiC _{II} PsC,PөPrC-P°P±PμC,PөC‡PSPөPjPө	РнР°C†C-C"PSC,Рө, CIIPeC-C_{II}P°PSC-C€Pμ PsC,C_{II}PөPjC†PIP°P»Pө C-PSC†C†P»C-PS PSPμC-PSC†C†P»C-PSPsPIPөPjPө PiC _{II} PsC,PөPrC-P°P±PμC,PөC‡PSPөPjPө	РнР°C†C-C"PSC,Рө, CIIPeC-C_{II}P°PSC-C€Pμ PsC,C_{II}PөPjC†PIP°P»Pө C-PSC†C†P»C-PS PSPμC-PSC†C†P»C-PSPsPIPөPjPө PiC _{II} PsC,PөPrC-P°P±PμC,PөC‡PSPөPjPө	
P»C-PөC†PIP°PSPSCII C† PePsPjP±C-PSP°C†C-C— P·	РҮРsP¶PμPs РҮРsP»PsPҮC,Р°C_{II} РҮРsP»PsPҮC,Р°C_{II}	РҮРsP¶PμPs РҮРsP»PsPҮC,Р°C_{II} РҮРsP»PsPҮC,Р°C_{II}	РҮРsP¶PμPs РҮРsP»PsPҮC,Р°C_{II} РҮРsP»PsPҮC,Р°C_{II}	РҮРsP¶PμPs РҮРsP»PsPҮC,Р°C_{II} РҮРsP»PsPҮC,Р°C_{II}	РҮРsP¶PμPs РҮРsP»PsPҮC,Р°C_{II} РҮРsP»PsPҮC,Р°C_{II}	
РҮC-P»CH _{II} PeC-C†C,C _{II} PiP°C†C-C"PSC,C-PI, CIIPeC- PsC,C _{II} PөPjP°P»Pө P»C-PөC†PIP°PSPSCII ^a P C-PIPμPSC_{II} HbA_{1c}	404	400	403	405	432	430
PҮРμC _{II} PμPrPSC-PMө PIPөC...C-PrPSPөPNө C _{II} C-PIPμPSC _{II} PҮРμC _{II} PμPrPSCII P·PjC-PSP° PIC-Pr PIPөC...C-PrPSPsPiPs C _{II} C-PIPSCII P· PiPsPiC _{II} P°PIPeP°PjPө PҮРμC _{II} PμPrPSCII C _{II} C-P·PSPө†CII P· PiPsPiC _{II} P°PIPeP°PjPө ^b	8,13 -0,90	8,14 -0,87	8,27 -0,73	8,22 -0,70	8,49 -1,42	8,58 -1,46
P"PsP·P° P±P°P·P°P»CH_{II}PSPsPiPs C-PSC†C†P»C-PSC†^c (PhPr/PePi)	-0,03 [PIC-Pr -0,144 PrPs 0,083]	-0,03 [PIC-Pr -0,168 PrPs 0,099]	-0,03 [PIC-Pr -0,168 PrPs 0,099]	0,66	0,04 [PIC-Pr -0,090 PrPs 0,174]	
PҮРμC _{II} PμPrPSC-PMө PIPөC...C-PrPSPөPNө C _{II} C-PIPμPSC _{II} PҮРμC _{II} PμPrPSCII P·PjC-PSP° PIC-Pr PIPөC...C-PrPSPsPiPs C _{II} C-PIPSCII	0,67	0,67	0,64	0,66	0,19	0,19
PҮРμC_{II}PμPrPSC-PMө P±P°P·P°P»CH_{II}PSPsPiPs C-PSC†C†P»C-PSC†^c (PhPr/PePi)	0,31	0,22	0,30	0,19	0,43	0,34
PҮРμC _{II} PμPrPSCII P·PjC-PSP° PIC-Pr PIPөC...C-PrPSPsPiPs C _{II} C-PIPSCII	0,93	0,90	0,08	0,66	0,50	0,71
PҮРμC_{II}PμPrPSC-PMө P±P°P·P°P»CH_{II}PSPsPiPs C-PSC†C†P»C-PSC†^c (PhPr/PePi)	106,11	106,50	98,73	98,17	95,14	95,65
PҮРμC _{II} PμPrPSCII P·PjC-PSP° PIC-Pr PIPөC...C-PrPSPsPiPs C _{II} C-PIPSCII	0,93	0,90	0,08	0,66	0,50	0,71

[illegible]

^a“mITT B7” PjPsPrPëC,,C-PePsPIP°PSP° PïPsPïCíP»C¼C†C-¼ CíCíC-C...
CñP°PSPPrPsPjC-P·PsPIP°PSPëC... PïP°C†C-C”PSC,C-PI (intention-to-treat).

^bP C-P·PSPëC†C‡ PjC-P¶ PiC‡C†P†P°PjPë P»C-PeC†PIP°PSPSC‡ PIPëP·PSP°C†P°P»P°C†C‡ CëP»C‡C‡...PsPj PIC-PrPSC-PjP°PSPSC‡ P·PSP°C†PµPSC‡, PsC,C‡PëPjP°PSPëC... PI PiC‡C†P†C-PiC‡PëPNµPsPjC† PiC‡PµP†P°C‡P°C,C† PÿPsP¶PµPs PÿPsP»PsPÿC,P°C‡, PIC-Pr P·PSP°C†PµPSC‡, PsC,C‡PëPjP°PSPëC... PI PiC‡C†PiC- PiC‡PëPNµPsPjC† C-PSC†C†P»C-PSC† PiP»P°C‡PiC-PSC† 100 PsPrPëPSPëC†C‡/PjP»; [95% PrPsPIC-C‡C†PëPNµ C-PSC,PµC‡PIP°P»].

^cP—PjC—PSP° P· PIPëC...C—PrPSPsPiPs C₇C—PIPSC₇ PrPs PjC—C⁷C₇C₇C₇ 6 (PsC⁷C—PSPeP° C⁷PiPsC⁷C₇PuC₇PuP₇C⁷CrPIP°PSPëC... PIPëPiP°PrPeC—PI).

^dP—PjC-PSP° P· PIPëC...C-PrPSPsPiPs CḡC-PIPSCḡ PrPs PsCḡC,P°PSPSCHsPiPs
P·PSP°CḡPμPSPSCḡ, PsC,CḡPëPjP°PSPsPiPs PiCḡPsC,CḡPiPsPj PsCḡPSPsPIPSPsPiPs 6-
PjC-CḡCḡCḡPSPsPiPs PiPμCḡC-PsPrCḡ P»C-PeCḡPIP°PSPSCḡ.

PŷP°P±P»PëCḡCḡ 3

P—PIPμPrPμPSC- PrP°PSC- PiCḡPs CḡP°CḡC,PsC,Cḡ PμPiC-P·PsPrC-PI
PiC-PiPsPiP»C-PePμPjC-C— Cḡ PeP»C-PSC-CḡPSPsPjCḡ PrPsCḡP»C-PrPḡPμPSPSC- P·P°
CḡCḡP°CḡC,Cḡ PiP°CḡC-C°PSC,C-PI P· CḡCḡPeCḡPsPIPëPj PrC-P°P±PμC,PsPj 1 C- 2 C,PëPiCḡ

PμPsPiCḡP»CḡCḡC-Cḡ PiP°CḡC-C°PSC,C-PI P· CḡCḡPeCḡPsPIPëPj PrC-P°P±PμC,PsPj	PiCḡPeCḡPsPIPëPNḡ PrC-P°P±PμC, 1 C,PëPiCḡ PμP°CḡC-C°PSC,Pë, CḡPeC- CḡP°PSC-CḡPμ PsC,CḡPëPjCḡPIP°P»Pë P±P°P·P°P»CḡPSPëPNḡ C-PSCḡCḡP»C-PS		PiCḡPeCḡPsPIPëPNḡ PrC-P°P±PμC, 2 C,PëPiCḡ PμP°CḡC-C°PSC,Pë, CḡPeC- CḡP°PSC-CḡPμ PsC,CḡPëPjCḡPIP°P»Pë P±P°P·P°P»CḡPSPëPNḡ C-PSCḡCḡP»C-PS		PiCḡPeCḡPsPIPëPNḡ PrC-P°P±PμC, 2 C,PëPiCḡ PμP°CḡC-C°PSC,Pë, CḡPeC- CḡP°PSC-CḡPμ PSPμ PsC,CḡPëPjCḡPIP°P»Pë C-PSCḡCḡP»C-PS P°P±Ps PsC,CḡPëPjCḡPIP°P»Pë P±P°P·P°P»CḡPSPëPNḡ C-PSCḡCḡP»C-PS	
	PŷPsPḡPμPs PŷPsP»PsPŷC,P°Cḡ P±P°P»P°Cḡ	PŷPsPḡPμPs PŷPsP»PsPŷC,P°Cḡ P±P°P»P°Cḡ	PŷPsPḡPμPs PŷPsP»PsPŷC,P°Cḡ P±P°P»P°Cḡ	PŷPsPḡPμPs PŷPsP»PsPŷC,P°Cḡ P±P°P»P°Cḡ	PŷPsPḡPμPs PŷPsP»PsPŷC,P°Cḡ P±P°P»P°Cḡ	PŷPsPḡPμPs PŷPsP»PsPŷC,P°Cḡ P±P°P»P°Cḡ
P·C-PeCḡPIP°PSPSCḡ Cḡ PePsPjP±C-PSP°CḡC-C— P·	P°PSP°P»PsPiPsPj PiCḡP°PSPPrC-P°P»CḡPSPsPiPs C-PSCḡCḡP»C-PSCḡ	P°PSP°P»PsPiPsPj PiCḡP°PSPPrC-P°P»CḡPSPsPiPs C-PSCḡCḡP»C-PSCḡ B± PjPμC,C,,PsCḡPjC-PS	P°PSP°P»PsPiPsPj PiCḡP°PSPPrC-P°P»CḡPSPsPiPs C-PSCḡCḡP»C-PSCḡ	P°PSP°P»PsPiPsPj PiCḡP°PSPPrC-P°P»CḡPSPsPiPs C-PSCḡCḡP»C-PSCḡ	PSPμC-PSCḡCḡP»C-PSPsPIPëPjPë PiCḡPsC,PëPrC-P°P±PμC,PëCḡPSPëPjPë PiCḡPμPiP°CḡP°C,P°PjPë	
PŷP°CḡC,PsC,P° (%) PμPiC-P·PsPrC-PI C,CḡPḡPePsC—^a PiC-PiPsPiP»C-PePμPjC-C— (n/P·P°PiP°P»CḡPSP° N)	6,6 93,1 (18/274) P·P * 0,69 [0,39;1,23]	9,5 93,5 (26/275) P·P 0,87 [0,48;1,55]	5,0 81,9 (20/404) P·P 0,87 [0,48;1,55]	5,7 87,8 (23/402) P·P 0,82 [0,33;2,00]	1,0 57,6 (8/838) P·P 0,82 [0,33;2,00]	1,2 64,5 (10/844) P·P 0,82 [0,33;2,00]
PŷP°CḡC,PsC,P° (%) PμPiC-P·PsPrC-PI PiC-PrC,PIPμCḡPrPḡPμPSPsC—^b PiC-PiPsPiP»C-PePμPjC-C— (n/P·P°PiP°P»CḡPSP° N)	93,1 (255/274) P·P 1,00 [0,95;1,04]	93,5 (257/275) P·P 0,93 [0,88; 0,99]	81,9 (331/404) P·P 0,93 [0,88; 0,99]	87,8 (353/402) P·P 0,89 [0,83; 0,96]	57,6 (483/838) P·P 0,89 [0,83; 0,96]	64,5 (544/844) P·P 0,89 [0,83; 0,96]
PŷP°CḡC,PsC,P° (%) PμPiC-P·PsPrC-PI PiC-PrC,PIPμCḡPrPḡPμPSPsC— PSC-CḡPSPsC—^c PiC-PiPsPiP»C-PePμPjC-C— (n/P·P°PiP°P»CḡPSP° N)	59,3 (162/273) P— C,PëPḡPSCḡ 9 PrPs PeC-PSCḡCḡ PrPsCḡP»C-PrPḡPμPSPSCḡ P·P 1,06 [0,92;1,23]	56,0 (153/273) P·P 0,79 [0,67;0,93]	36,1 (146/404) (184/400) P·P 0,79 [0,67;0,93]	46,0 (184/400) P·P 0,82 [0,68;0,99]	18,4 (154/835) P·P 0,82 [0,68;0,99]	22,5 (188/835) P·P 0,82 [0,68;0,99]

P±P°P»P°CḡCḡ C-PSCḡCḡP»C-PS PiP»P°CḡPiC-PS 100 PsPrPëPSPëCḡCḡ/PjP».

^aPŷCḡPḡPeP° PiC-PiPsPiP»C-PePμPjC-CḡCḡ PμPiC-P·PsPr, C%oPs PiPsC,CḡPμP±CḡC”
PrPsPiPsPjPsPiPë C-PSCḡPsC— PsCḡPsP±Pë PrP»Cḡ P°PeC,PëPIPSPsPiPs PIPμPrPμPSPSCḡ
PICḡPiP»PμPIPsPrC-PI, PiP»CḡPeP°PiPsPSCḡ P°P±Ps C-PSCḡPëC...
CḡPμP°PSC-PjP°CḡC-PNḡPSPëC... P·P°C...PsPrC-PI.

^bPμC-PrC,PIPμCḡPrPḡPμPSP° PiC-PiPsPiP»C-PePμPjC-CḡCḡ P±CḡPrCḡCḡCḡPePëPNḡ
PμPiC-P·PsPr C,CḡPḡPePsC— PiC-PiPsPiP»C-PePμPjC-C— C,P°/P°P±Ps
PiC-PiPsPiP»C-PePμPjC-C—, PiC-PrC,PIPμCḡPrPḡPμPSPsC— PIPëP·PSP°CḡPμPSPSCḡPj
CḡC-PIPSCḡ PiP»CḡPePsP·Pë PI PiP»P°P·PjC- PeCḡPsPIC- ≤ 3,9 PjPjPsP»CḡCḡ/P».

^cPḡC-CḡPSP° PiC-PiPsPiP»C-PePμPjC-CḡCḡ PμPiC-P·PsPr, C%oPs PIPëPSPëPeP°C” Cḡ
PiCḡPsPjC-PḡPeCḡ P· 00:00 PrPs 05:59 PiPsPrPëPs.

^d6-PjC-CḡCḡCḡPSPëPNḡ PiPμCḡC-PsPr P»C-PeCḡPIP°PSPSCḡ.

*P·P CḡCḡCḡCḡP°C...CḡPSPePsPIPμ PIC-PrPSPsCḡPμPSPSCḡ CḡPëP·PëPeC-PI; [95%
PrPsPIC-CḡCḡPëPNḡ C-PSC,PμCḡPIP°P»] .

P“PSCrC#PeC-CrC,CH C#P°CrC PIPiPμPrPμPSPSCl PīCḡPμPīP°CḡP°C,Cr. P’CrP»Ps
PīCḡPsPiPμPrPμPSPs PrPiP° CḡP°PSPPrPsPjC-P·PsPiP°PSC- PIC-PrPeCḡPēC,C-
PeP»C-PSC-C#PSC- PIPēPīCḡPsP±CrPiP°PSPSCl C,CḡPēPiP°P»C-CrC,CH 3 PjC-CrCḡC†C- P·P°
CrC#P°CrC,CH PīP°C†C-C”PSC,C-PI P· C†CrPeCḡPsPiPēPj PrC-P°P±PμC,PsPj 2 C,PēPīCr (n=194),
CḡPeC- PsC,CḡPēPjCrPiP°P»Pē PīCḡPμPīP°CḡP°C, PIPiPμC#PμCḡC- 1 CḡP°P· PSP° PrPsP±Cr
P°P±Ps Cr PsPrPēPS C- C,PsPNē PḡPμ C#P°Cr PIPrPμPSCḡ (C,,C-PeCrPsPiP°PSPēPNē C#P°Cr
PIPiPμPrPμPSPSCl) C#Pē PI PjPμPḡP°C... 3 PiPsPrPēPS PrPs P°P±Ps PīC-CrP»Cḡ
P·PiPēC#P°PNēPSPsPiPs C#P°CrC P·P°CrC,PsCrC†PiP°PSPSCl (PiPSCrC#PePēPNē C#P°Cr
PIPiPμPrPμPSPSCl). P-P°CrC,PsCrC†PiP°PSPSCl PīCḡPμPīP°CḡP°C,Cr P·
PiPēPePsCḡPēCrC,P°PSPSClPj PiPSCrC#PePsPiPs C#P°CrC PIPiPμPrPμPSPSCl PSPμ
PiPīP»PēPiP°P»Ps PSP° PePsPSC,CḡPsP»CH PiP»C-PePμPjC-C- C- PSP° C#P°CrC,PsC,Cr
CḡPsP·PiPēC,PeCr PiC-PiPsPiP»C-PePμPjC-PNē.

PḡPSC,PēC,C-P»P°. P PμP·CrP»CHC,P°C,Pē PrPsCrP»C-PrPḡPμPSCḡ, PI CḡPePēC...
PiPsCḡC-PIPSCḡPiP°P»Pē PīCḡPμPīP°CḡP°C,Pē PḡPsPḡPμPs PḡPsP»PsPḡC,P°Cḡ C,P°
C-PSCrC†P»C-PS PiP»P°CḡPiC-PSB 100 PhPr./PjP», PSPμ PiPeP°P·CrCḡC,CH PSP° PḡPsPrPSC-
PIC-PrPjC-PSPSPsCrC,C- PjC-Pḡ C†PēPjPē PīCḡPμPīP°CḡP°C,P°PjPē P·P° C#P°CrC,PsC,PsCḡ
CrC,PIPsCḡPμPSPSCl P°PSC,PēC,C-P» PrPs C-PSCrC†P»C-PSCr P· PsPiP»CḡPrCr PSP°
PμC,,PμPeC,PēPiPSC-CrC,CH, P±PμP·PiPμC#PSC-CrC,CH P°P±Ps PrPsP·Cr
P±P°P·P°P»CHPSPsPiPs C-PSCrC†P»C-PSCr.

PḡP°CrP° C,C-P»P°. Pj PīP°C†C-C”PSC,C-PI, CḡPeC- PsC,CḡPēPjCrPiP°P»Pē PīCḡPμPīP°CḡP°C,
PḡPsPḡPμPs PḡPsP»PsPḡC,P°Cḡ, CrPμCḡPμPrPSCl P·PjC-PSP° PjP°CrPē C,C-P»P° PSP°
PeC-PSPμC†CH 6-PjC-CrCḡC#PSPsPiPs PiPμCḡC-PsPrCr P»C-PeCrPiP°PSPSCl
CrC,P°PSPsPiPēP»P° PjPμPSC€ PSC-Pḡ 1 PePi.

P PμP·CrP»CHC,P°C,Pē PrPsCrP»C-PrPḡPμPSPSCl PIPīP»PēPiC† P»C-PeCrPiP°PSPSCl PSP°
PīCḡPsPiCḡPμCrC†PiP°PSPSCl PrC-P°P±PμC,PēC#PSPsC- CḡPμC,PēPSPsPiP°C,C-C-.
P’PiP»PēPI C-PSCrC†P»C-PSCr PiP»P°CḡPiC-PSCr 100 PhPr./PjP» (PIPiPsPrPēPiC†Cḡ PsPrPēPS
CḡP°P· PSP° PrPsP±Cr) PSP° PīPμCḡPμP±C-Pi PrC-P°P±PμC,PēC#PSPsC-
CḡPμC,PēPSPsPiP°C,C-C- PsC†C-PSCḡPiP°PiC†Cḡ PīC-Pr C#P°Cr PIC-PrPeCḡPēC,PsPiPs 5-
CḡC-C#PSPsPiPs PrPsCrP»C-PrPḡPμPSPSCl P·P° CrC#P°CrC,CH 1024 PīP°C†C-C”PSC,C-PI P·
C†CrPeCḡPsPiPēPj PrC-P°P±PμC,PsPj 2 C,PēPīCr, PI CḡPePsPjCr CḡPe PīCḡPμPīP°CḡP°C,
PePsPSC,CḡPsP»CH PIPēPePsCḡPēCrC,PsPiC†PiP°PiC†Cḡ PkPμPḡ-C-PSCrC†P»C-PS
(PIPiPsPrPēPiC†Cḡ PrPiP° CḡP°P·Pē PSP° PrPsP±Cr) C,P° Cr CḡP°PjPeP°C... CḡPePsPiPs P·P°
PrPsPiPsPjPsPiPsCḡ C,,PsC,PsPiCḡP°C,,CrPiP°PSPSCl PsC#PSPsPiPs PrPSP°
PsC†C-PSCḡPiP°P»PsCrCḡ PīCḡPsPiCḡPμCrC†PiP°PSPSCl CḡPμC,PēPSPsPiP°C,C-C- PSP° 3
C,P° P±C-P»CHC€Pμ PīCrPSPeC,Pē P·P° C€PeP°P»PsCḡ ETDRS (Early Treatment Diabetic
Retinopathy Study, PrPsCrP»C-PrPḡPμPSPSCl CḡP°PSPSCHPsPiPs P»C-PeCrPiP°PSPSCl
PrC-P°P±PμC,PēC#PSPsC- CḡPμC,PēPSPsPiP°C,C-C-). P-P° CḡPμP·CrP»CHC,P°C,P°PjPē
PīPsCḡC-PIPSClPSPSCl C-PSCrC†P»C-PSCr PiP»P°CḡPiC-PSCr 100 PhPr./PjP» P· PkPμPḡ-
C-PSCrC†P»C-PSPsPj PSPμ P±CrP»Ps PIPēCḡPiP»PμPSPs CrC,P°C,PēCrC,PēC#PSPs
P·PSP°C†CrC%PēC... PIC-PrPjC-PSPSPsCrC,PμPNē PjC-Pḡ C†PēPjPē PīCḡPμPīP°CḡP°C,P°PjPē
C%PsPrPs PIPīP»PēPiC† PSP° PīCḡPsPiCḡPμCrC†PiP°PSPSCl PrC-P°P±PμC,PēC#PSPsC-
CḡPμC,PēPSPsPiP°C,C-C-.

P”PsCrP»C-PrPḡPμPSPSCl PīPsPeP°P·PSPēPeC-PI PrPsPiPiPsCrC,CḡPsPePsPiPsC-
PμC,,PμPeC,PēPiPSPsCrC,C- C- P±PμP·PiPμC#PSPsCrC,C-. P”PsCrP»C-PrPḡPμPSPSCl ORIGIN
(Outcome Reduction with Initial Glargine INtervention, B«P-PSPēPḡPμPSPSCl CḡPēP·PēPeCr
PSPμCrPīCḡPēCḡC,P»PēPiPēC... PeP»C-PSC-C#PSPēC... PSP°CrP»C-PrPeC-PI PīCḡPē
PīPμCḡPiPēPSPSPsPjCr PīCḡPēP·PSP°C#PμPSPSC- PiP»P°CḡPiC-PSCrB») P±CrP»Ps
P±P°PiP°C,PsC†PμPSC,CḡPsPiPēPj CḡP°PSPPrPsPjC-P·PsPiP°PSPēPj PrPsCrP»C-PrPḡPμPSPSClPj

P·C,,P°PeC,PsC₇C-P°P»CH₃PSPëPj PrPëP·P°PN₂PSPsPj 2 × 2, C%₀Ps PiC₇PsPIPsPrPëP»PsC₇C₁
P·P° CrC₄P°C₇C, C₇ 12 537 PiP°C₇C-C" PSC, C-PI P· PIPëC₇PsPePëPj C₇P_μC₇C₇P_μPIPs-
C₇C₇PrPëPSPSPëPj (PŸPŸ) C₇PëP·PëPePsPj, Cr C₇PePëC... C₇PiPsC₇C, P_μC₇C-PiP°P»P°C₇C₁
PiPsC₇C₇C₇PeP_μPSP° PiP»C-PeP_μPjC-C₇ PSP°C, C%₀P_μ (P_μP"PK) P°P±Ps PiPsC₇C₇C₇PeP_μPSP°
C, PsP»P_μC₇P°PSC, PSC-C₇C, CH₃ PrPs PiP»C₇PePsP·Pë (P_μPŸP") (12 % CrC₄P°C₇PSPëPeC-PI)
C₄Pë C₇C₇PeC₇PsPIPëPN₂ PrC-P°P±P_μC, 2 C, PëPiC₇, P· PiC₇PëPIPsPrC₇ C₇PePsPiPs PIPsPSPë
PsC, C₇PëPjC₇PiP°P»Pë ≤ 1 PiP_μC₇PsC₇P°P»CH₃PSPëPN₂ PiC₇PsC, PëPrC-P°P±P_μC, PëC₄PSPëPN₂
PiC₇P_μPiP°C₇P°C, (88 % CrC₄P°C₇PSPëPeC-PI). PjC₄P°C₇PSPëPePë PrPsC₇P»C-PrP_μP_μPSPSC₇
P±C₇P»Pë C₇P°PSPPrPsPjC-P·PsPIP°PSC- (1:1) PrP»C₇ PsC, C₇PëPjP°PSPSC₇ P°P±Ps
C-PSC₇C₇P»C-PSC₇ PiP»P°C₇PiC-PSC₇ 100 PhPr./PjP»B B B B (n = 6264), PrPsP·P° C₇PePsPiPs
C, PëC, C₇C₇PiP°P»P°C₇C₁ PrPs PrPsC₇C₇PiPSP_μPSPSC₇ C₇C-PiPSC₇ P" P_μPK ≤ 95 PjPi/PrP»
(5,3 PjP_μ), P°P±Ps C₇C, P°PSPPrP°C₇C, PSPsC— C, P_μC₇P°PiC-C— (n = 6273).

P_μP_μC₇C₇PePëPj PiPsPeP°P·PSPëPePsPj Cr C₇PeP»P°PrC- PePsPjP±C-PSPsPIP°PSPsC—
PiP_μC₇PIPëPSPSPsC— PeC-PSC₇P_μPIPsC— C, PsC₄PePë P±C₇PI C₄P°C₇ PrPs PiP_μC₇C₇PePsPiPs
PSP°C₇C, P°PSPSC₇ PŸPŸ C₇PjP_μC₇C, C-, PSP_μC,, P°C, P°P»CH₃PSPsPiPs C-PSC,, P°C₇PeC, Cr
PjC-PsPeP°C₇PrP° (P₇P_μ) P°P±Ps PSP_μC,, P°C, P°P»CH₃PSPsPiPs C-PSC₇C₇P»CH₃C, Cr, P°
PrC₇C₇PiPëPj PiPsPeP°P·PSPëPePsPj Cr C₇PeP»P°PrC- PePsPjP±C-PSPsPIP°PSPsC—
PiP_μC₇PIPëPSPSPsC— PeC-PSC₇P_μPIPsC— C, PsC₄PePë P±C₇PI C₄P°C₇ PrPs PiP_μC₇C₇PePsPiPs
PSP°C₇C, P°PSPSC₇ P±C₇PrCH₃-C₇PePsC— P· C₇PëC... PiPsPrC-PN₂ PiP_μC₇C₇PePsPiPs
PiPsPeP°P·PSPëPeP° PePsPjP±C-PSPsPIP°PSPsC— PiP_μC₇PIPëPSPSPsC— PeC-PSC₇P_μPIPsC—
C, PsC₄PePë P°P±Ps PiC₇PsPIPsPrP_μPSPSC₇ PiC₇PsC₇P_μPrC₇C₇Pë
C₇P_μPIP°C₇PeC₇P»C₇C₇PëP·P°C₇C-C— (PePsC₇PsPSP°C₇PSPëC..., C₇PsPSPSPëC... P°P±Ps
PiP_μC₇PëC,, P_μC₇PëC₄PSPëC... C₇C₇PrPëPS), P°P±Ps PiPsC₇PiC-C, P°P»C-P·P°C₇C-C— P·
PiC₇PëPIPsPrC₇ C₇P_μC₇C₇P_μPIPsC— PSP_μPrPsC₇C, P°C, PSPsC₇C, C-. P"Ps PIC, PsC₇PëPSPSPëC...
PeC-PSC₇P_μPIPëC... C, PsC₄PsPe PSP°P»P_μP_μP°P»Pë C₇PjP_μC₇C, PSC-C₇C, CH₃ P· CrC₇C-C...
PiC₇PëC₄PëPS C- PePsPjP±C-PSPsPIP°PSP° PeC-PSC₇P_μPIP° C, PsC₄PeP°
PjC-PeC₇PsPIP°C₇PeC₇P»C₇C₇PSPëC... PiPsPrC-PN₂.

P₇PSC₇C₇P»C-PS PiP»P°C₇PiC-PS 100 PhPr./PjP» PSP_μ P·PjC-PSC₇PIP°PI PIC-PrPSPsC₇PSPëPN₂
C₇PëP·PëPe PŸPŸ P·P°C...PIPsC₇C₇PIP°PSC₇ C- C₇PjP_μC₇C, C- P· PŸPŸ PiC₇PëC₄PëPS Cr
PiPsC₇C-PiPSC₇PSPSC- P·C- C₇C, P°PSPPrP°C₇C, PSPsC₇ C, P_μC₇P°PiC-C" C₇. PK_μ P±C₇P»Ps
PIC-PrPjC-C₄P_μPSPs C₇C-P·PSPëC₇C- PjC-P_μ C-PSC₇C₇P»C-PSPsPj PiP»P°C₇PiC-PSPsPj C-
C₇C, P°PSPPrP°C₇C, PSPsC₇ C, P_μC₇P°PiC-C" C₇ P·P° PsP±PsPjP° PiPsPeP°P·PSPëPeP°PjPë Cr
C₇PeP»P°PrC- PePsPjP±C-PSPsPIP°PSPsC— PiP_μC₇PIPëPSPSPsC— PeC-PSC₇P_μPIPsC—
C, PsC₄PePë; P·P° P_μPsPrPSPsC₇ C₇PeP»P°PrPsPIPsC₇ PeC-PSC₇P_μPIPsC— C, PsC₄PePë, C%₀Ps
PIPeP»C₇C₄P°C" C₇C- PSP_μC₇PiC₇PëC₇C, P»PëPIC- PeP»C-PSC-C₄PSC- PSP°C₇P»C-PrPePë;
P·P° C₇PjP_μC₇C, PSC-C₇C, C₇ P· CrC₇C-C... PiC₇PëC₄PëPS P°P±Ps P·P°
PePsPjP±C-PSPsPIP°PSPsC₇ PeC-PSC₇P_μPIPsC₇ C, PsC₄PePsC₇
PjC-PeC₇PsPIP°C₇PeC₇P»C₇C₇PSPëC... PiPsPrC-PN₂.

PŸP_μC₇P_μPrPSC₇ PrPsP·P° C-PSC₇C₇P»C-PSC₇ PiP»P°C₇PiC-PSC₇ 100 PhPr./PjP» Cr
PeC-PSC₇C- PrPsC₇P»C-PrP_μP_μPSPSC₇ C₇C, P°PSPsPIPëP»P° 0,42 PhPr./PePi. PK_μ
PiPsC₄P°C, PeC₇ PrPsC₇P»C-PrP_μP_μPSPSC₇ PjP_μPrC-P°PSP° C₇C-PiPSC-PI HbA1c Cr
CrC₄P°C₇PSPëPeC-PI C₇C, P°PSPsPIPëP»P° 6,4 %, P° Cr C...PsPrC-
PrPsC₇P»C-PrP_μC₇PiP°PSPsPiPs P»C-PeC₇PiP°PSPSC₇ PjP_μPrC-P°PSP° C₇C-PiPSC-PI HbA1c
PIP°C₇C-C₇PIP°P»P° PIC-Pr 5,9 PrPs 6,4 % PI PiC₇C₇PiC- P·P°C₇C, PsC₇C₇PiP°PSPSC₇
C-PSC₇C₇P»C-PSC₇ PiP»P°C₇PiC-PSC₇ 100 PhPr./PjP» C- PIC-Pr 6,2 PrPs 6,6 % PI PiC₇C₇PiC-
P·P°C₇C, PsC₇C₇PiP°PSPSC₇ C₇C, P°PSPPrP°C₇C, PSPsC— C, P_μC₇P°PiC-C— PiC₇PsC, C₇PiPsPj
CrC₇CH₃PsPiPs PiP_μC₇C-PsPrC₇ C₇PiPsC₇C, P_μC₇P_μP_μPSPSC₇.

PŸP°C₇C, PsC, P° P_μPiC-P·PsPrC-PI C, C₇P_μPePsC— PiC-PiPsPiP»C-PeP_μPjC-C—

(PiC7PμPrCfC, P°PIP»PμPSP° Cr PIPëPiP»CΠPrC- PeC-P»CHPePsCfC, C- CrC±P°CfPSPëPeC-PI PrPsCfP»C-PrP¶PμPSPSCΠ, Cr CΠPePëC... CfPiPsCfC, PμC7C-PiP°P»PëCfCΠ C, P°PeC-PμPiC-P·PsPrPë, PSP° 100 PiP°C†C-C''PSC, Ps-C7PsPeC-PI P»C-PeCfPIP°PSPSCΠ) CfC, P°PSPsPiPëP»P° 1,05 PI PiC7CfPiC- P·P°CfC, PsCfCfPIP°PSPSCΠ C-PSCfCfP»C-PSCf PiP»P°C7PiC-PSCf 100 PhPr./PjP» C- 0,30 PI PiC7CfPiC- P·P°CfC, PsCfCfPIP°PSPSCΠ CfC, P°PSPrP°C7C, PSPsC— C, PμC7P°PiC-C—, P° C±P°CfC, PsC, P° PμPiC-P·PsPrC-PI PiC-PrC, PIPμC7PrP¶PμPSPsC— PSPμC, CΠP¶PePsC— PiC-PiPsPiP»C-PePμPjC-C— CfC, P°PSPsPiPëP»P° 7,71 PI PiC7CfPiC- P·P°CfC, PsCfCfPIP°PSPSCΠ C-PSCfCfP»C-PSCf PiP»P°C7PiC-PSCf 100 PhPr./PjP» C- 2,44 PI PiC7CfPiC- P·P°CfC, PsCfCfPIP°PSPSCΠ CfC, P°PSPrP°C7C, PSPsC— C, PμC7P°PiC-C—. PμC7PsC, CΠPiPsPj C†CHPsPiPs 6-C7C-C±PSPsPiPs PrPsCfP»C-PrP¶PμPSPSCΠ Cr 42 % PiP°C†C-C''PSC, C-PI PI PiC7CfPiC- P·P°CfC, PsCfCfPIP°PSPSCΠ C-PSCfCfP»C-PSCf PiP»P°C7PiC-PSCf 100 PhPr./PjP» PIP·P°PiP°P»C- PSPμ CfPiPsCfC, PμC7C-PiP°P»PsCfCΠ PμPiC-P·PsPrC-PI PiC-PiPsPiP»C-PePμPjC-C—.

PkP° PsCfC, P°PSPSCHsPjCr PIC-P·PëC, C-, PIPëPePsPSP°PSPsPjCr PSP° C,, PsPSC-PrPsCfP»C-PrP¶CfPIP°PSPsPiPs P»C-PeCfPIP°PSPSCΠ, CfPiPsCfC, PμC7C-PiP°P»PsCfCΠ PiC-PrPIPëC%PμPSPSCΠ B PjP°CfPë B B C, C-P»P° B PIC-Pr B PIPëC...C-PrPSPsPiPs B B C7C-PIPSCΠ B PI B PiC7CfPiC- B P·P°CfC, PsCfCfPIP°PSPSCΠ B C-PSCfCfP»C-PSCfB PiP»P°C7PiC-PSCf

100 PhPr./PjP» PI CfPμC7PμPrPSCCHsPjCr PSP° 1,4 PePi C- C—C— P·PSPëP¶PμPSPSCΠ PI CfPμC7PμPrPSCCHsPjCr PSP° 0,8 PePi PI PiC7CfPiC- P·P°CfC, PsCfCfPIP°PSPSCΠ CfC, P°PSPrP°C7C, PSPsC— C, PμC7P°PiC-C—.

P°C-C, Pë.

P·C,, PμPeC, PëPIPSC-CfC, CH C- P±PμP·PiPμC±PSC-CfC, CH PiC7PμPiP°C7P°C, Cr PÿPsP¶PμPs PÿPsP»PsPÿC, P°C7 PIPëPIC±P°P»PëCfCΠ PI C7P°PjPeP°C... PIC-PrPeC7PëC, PsPiPs, C7P°PSPrPsPjC-P·PsPIP°PSPsPiPs (1:1), PePsPSC, C7PsP»CHPsPIP°PSPsPiPs PeP»C-PSC-C±PSPsPiPs PrPsCfP»C-PrP¶PμPSPSCΠ P·P° CrC±P°CfC, C7 PrC-C, PμPNë C, P° PiC-PrP»C-C, PeC-PI C-P· C†CfPeC7PsPiPëPj PrC-P°P±PμC, PsPj 1 C, PëPiCr PiC7PsC, CΠPiPsPj 26 C, PëP¶PSC-PI (n 463). Pj PiC7CfPiC- P·P°CfC, PsCfCfPIP°PSPSCΠ PiC7PμPiP°C7P°C, Cr PÿPsP¶PμPs PÿPsP»PsPÿC, P°C7 P±CfP»Ps 73 PrC-C, PμPNë PIC-PePsPj < 12 C7PsPeC-PI C, P° 160 PrC-C, PμPNë PIC-PePsPj ≥ 12 C7PsPeC-PI. PμC7PμPiP°C7P°C, PÿPsP¶PμPs PÿPsP»PsPÿC, P°C7, CΠPePëPNë PiC7PëPNëPjP°P»Pë PsPrPëPS C7P°P· PSP° PrPsP±Cf, PiC7PsPrPμPjPsPSCfC, C7CfPIP°PI P°PSP°P»PsPiC-C±PSPμ P·PSPëP¶PμPSPSCΠ C7C-PIPSCΠ HbA1c C, P° P°PμPk P· PiPsC±P°C, PeCf PrPsCfP»C-PrP¶PμPSPSCΠ PrPs 26 C, PëP¶PSCΠ PiPsC7C-PIPSCΠPSPs P· C-PSCfCfP»C-PSPsPj PiP»P°C7PiC-PSPsPj 100 PhPr./PjP».

PhPSP°P»C-P· P·P°P»PμP¶PSPsCfC, C- PrPsP·P°-PμC,, PμPeC, PiPsPeP°P·P°PI, C%Ps PiC-CfP»CΠ PiPsC±P°C, PePsPiPsC— C,, P°P·Pë C, PëC, C7CfPIP°PSPSCΠ CfPePsC7PëPiPsPiP°PSC- PIC-PrPSPsCfPSPs PjP°CfPë C, C-P»P° PrPsP·Pë Cr PrC-C, PμPNë PIPëC%C-, PSC-P¶ Cr PrPsC7PsCfP»PëC... PiP°C†C-C''PSC, C-PI Cr C7C-PIPSPsPiP°P¶PSPsPjCr CfC, P°PSC-.

P—P°PiP°P»PsPj C±P°CfC, PsC, P° PIPëPSPëPePSPμPSPSCΠ PiC-PiPsPiP»C-PePμPjC-C— PI PiP°C†C-C''PSC, C-PI C-P· P±CfPrCH-CΠPePsC— PeP°C, PμPiPsC7C-C— P±CfP»P° CfC...PsP¶PsC7 PI PsP±PsC... PiC7CfPiP°C... P»C-PeCfPIP°PSPSCΠ: 97,9 % PiP°C†C-C''PSC, C-PI PiC7CfPiPë PiC7PμPiP°C7P°C, Cr PÿPsP¶PμPs PÿPsP»PsPÿC, P°C7 C, P° 98,2 % PiP°C†C-C''PSC, C-PI PiC7CfPiPë C-PSCfCfP»C-PSCf PiP»P°C7PiC-PSCf 100 PhPr./PjP» PiPsPIC-PrPsPjPëP»Pë C%PsPSP°PNëPjPμPSC€Pμ PiC7Ps PsPrPëPS PIPëPiP°PrPsPe PiC-PiPsPiP»C-PePμPjC-C—. PhPSP°P»PsPiC-C±PSPëPj C±PëPSPsPj PSC-C±PSP°

PiC-PiPsPiP»C-PePμPjC-CΠ PiPsCḡC-PIPSCHPIP°P»P°CΓCΠ PI PiCḡCfPiP°C...
P»C-PeCfPIP°PSPSCΠ PiCḡPμPiP°CḡP°C,PsPj PŷPsPΠPμPs PŷPsP»PsPŷC,P°Cḡ C,P°
C-PSCΓCfP»C-PSPsPj PiP»P°CḡPiC-PSPsPj 100 PhPr./PjP». P'C-PrCΓPsC,PsPe
PiP°C†C-C"PSC,C-PI, CΠPeC- PiPsPIC-PrPsPjP»CΠP»Pë PiCḡPs C,CΠPΠPeCf
PiC-PiPsPiP»C-PePμPjC-Cḡ, P±CfPI PSPëPΠC†PëPj Cḡ PiCḡCfPiC- P·P°CΓC,PsCΓCfPIP°PSPSCΠ
PiCḡPμPiP°CḡP°C,Cḡ PŷPsPΠPμPs PŷPsP»PsPŷC,P°Cḡ PiPsCḡC-PIPSCHPIPS P· C,P°PePëPj Cḡ
PiCḡCfPiC- C-PSCΓCfP»C-PSCf PiP»P°CḡPiC-PSCf 100 PhPr./PjP»: 6 % C,P° 8,8 %
PIC-PrPiPsPIC-PrPSPs. P'C-PrCΓPsC,PsPe PiP°C†C-C"PSC,C-PI P· PμPiC-P·PsPrP°PjPë
PiC-PiPμCḡPiP»C-PePμPjC-C— P· PePμC,PsP·PsPj P±CfPI PSPëPΠC†PëPj Cḡ PiCḡCfPiC-
P·P°CΓC,PsCΓCfPIP°PSPSCΠ PiCḡPμPiP°CḡP°C,Cḡ PŷPsPΠPμPs PŷPsP»PsPŷC,P°Cḡ
PiPsCḡC-PIPSCHPIPS P· C,P°PePëPj Cḡ PiCḡCfPiC- C-PSCΓCfP»C-PSCf PiP»P°CḡPiC-PSCf 100
PhPr./PjP»: 6,4 % C,P° 11,8 % PIC-PrPiPsPIC-PrPSPs. PμCḡPë P·P°CΓC,PsCΓCfPIP°PSPSC-
PiCḡPμPiP°CḡP°C,Cḡ PŷPsPΠPμPs PŷPsP»PsPŷC,P°Cḡ PΠPsPrPSPëC... PiCḡPsP±P»PμPj
C%PsPrPs P±PμP·PiPμPePë, PiPsPiBḡ™ CΠP·P°PSPëC... C-P· PiPsP±C-C†PSPëPjPë
CΠIPëC%P°PjPë C,P° CΓC,P°PSPrP°CḡC,PSPëPjPë PiP°CḡP°PjPμC,CḡP°PjPë P±PμP·PiPμPePë,
PIPëCΠIP»PμPSPs PSPμ P±CfP»Ps. PhPSC,PëC,C-P»P° CḡC,PIPsCḡCḡPIP°P»PëCΓCΠ
CḡC-PrPePs, PNë C†Pμ CΠIPëC%Pμ PSPμ PjP°P»Ps PeP»C-PSC-C†PSPsPiPs PIPIP»PëPICf.
P"P°PSC- C%PsPrPs PμC,,PμPeC,PëPIPSsCΓC,C- PNë P±PμP·PiPμC†PSPsCΓC,C-
P·P°CΓC,PsCΓCfPIP°PSPSCΠ PiCḡPμPiP°CḡP°C,Cḡ PrC-C,CΠPj, C...PIPsCḡPëPj PSP°
C†CḡPeCḡPsPIPëPNë PrC-P°P±PμC, 2 C,PëPiCḡ, P±CfP»Pë PμPeCΓC,CḡP°PiPsP»CHPsPIP°PSC- P·
PrP°PSPëC... P·P°CΓC,PsCΓCfPIP°PSPSCΠ PiCḡPμPiP°CḡP°C,Cḡ PiC-PrP»C-C,PeP°Pj C,P°
PrPsCḡPsCΓP»PëPj PiP°C†C-C"PSC,P°Pj C-P· C†CḡPeCḡPsPIPëPj PrC-P°P±PμC,PsPj 1 C,PëPiCḡ
C,P° PrPsCḡPsCΓP»PëPj PiP°C†C-C"PSC,P°Pj C-P· C†CḡPeCḡPsPIPëPj PrC-P°P±PμC,PsPj 2
C,PëPiCḡ. P PμP·CḡP»CHC,P°C,Pë PrPsCΓP»C-PrPΠPμPSPSCΠ PsP±T'CḡCḡPSC,PsPICḡCḡC,CH
P·P°CΓC,PsCΓCfPIP°PSPSCΠ PiCḡPμPiP°CḡP°C,Cḡ PŷPsPΠPμPs PŷPsP»PsPŷC,P°Cḡ PrC-C,CΠPj,
C...PIPsCḡPëPj PSP° C†CḡPeCḡPsPIPëPNë PrC-P°P±PμC, 2 C,PëPiCḡ.

PαP°CḡPjP°PePsPeC-PSPμC,PëPeP°.

PhP±CΓPsCḡP±C†C-CΠ C,P° CḡPsP·PiPsPrC-P». PμPsCḡC-PIPSCHPIPS P·
PePsPSC†PμPSC,CḡP°C†C-C— C-PSCΓCfP»C-PSCf PI CΓPëCḡPsPIP°C,C†C- PeCḡPsPIC- Cḡ
P·PrPsCḡPsPIPëC... PrPsP±CḡPsPIPsP»CHC†C-PI C,P° Cḡ C...PIPsCḡPëC... PSP°
C†CḡPeCḡPsPIPëPNë PrC-P°P±PμC, PIPeP°P·P°P»Ps PSP° P±C-P»CHC€ PiPsPIC-P»CHPSCf C,P°
C,CḡPëPIP°P»C-C€Cḡ P°P±CΓPsCḡP±C†C-Cḡ, C%Ps PiCḡPëP·PIPμP»Ps PrPs
PsC,CḡPëPjP°PSPSCΠ P±C-P»CHC€ PiP»P°CΓPePsPiPs PiCḡPsC,,C-P»Cḡ
B«PePsPSC†PμPSC,CḡP°C†C-CΠ/C†P°CΓB» PiC-CΓP»CΠ PiC-PrC€PeC-CḡPSPsC—
C-PSBḡ™ C"P°C†C-C— PiCḡPμPiP°CḡP°C,Cḡ PŷPsPΠPμPs PŷPsP»PsPŷC,P°Cḡ
PiPsCḡC-PIPSCHPIPS P· C-PSCΓCfP»C-PSPsPj PiP»P°CḡPiC-PSPsPjB B B B B B B B B B
100 PhPr./PjP». PαP°CḡPjP°PePsPeC-PSPμC,PëC†PSC- PiCḡPsC,,C-P»C- PiCḡPμPiP°CḡP°C,Cḡ
PŷPsPΠPμPs PŷPsP»PsPŷC,P°Cḡ PIC-PrPiPsPIC-PrP°P»Pë PNëPsPiPs
C,,P°CḡPjP°PePsPrPëPSP°PjC-C†PSC-PNë P°PeC,PëPIPSsCΓC,C-.

P C-PIPSsPIP°PΠPSP° PePsPSC†PμPSC,CḡP°C†C-CΠ PI C-PSC,PμCḡPIP°P»C-
C,PμCḡP°PiPμPIC,PëC†PSPsC— PrC-C— PrPsCΓCΠPiP°C"C,CHCΓCΠ C†PμCḡPμP· 3Bḡ"4 PrPSC-
C%PsPrPμPSPSPsPiPs PIPIPμPrPμPSPSCΠ PiCḡPμPiP°CḡP°C,Cḡ PŷPsPΠPμPs PŷPsP»PsPŷC,P°Cḡ.

PμC-CΓP»CΠ PiC-PrC€PeC-CḡPSPsC— C-PSBḡ™ C"P°C†C-C— PiCḡPμPiP°CḡP°C,Cḡ PŷPsPΠPμPs
PŷPsP»PsPŷC,P°Cḡ C-PSPrPëPIC-PrCḡP°P»CHPSP° PI P°CḡC-P°P±PμP»CHPSC-CΓC,CH, C%Ps
PIPëP·PSP°C†P°P»P°CΓCΠ CΠPe PePsPμC,,C-C†C-C"PSC, PIP°CḡC-P°C†C-C— PrP»CΠ
PμPeCΓPiPsP·PëC†C-C— C-PSCΓCfP»C-PSCf P·P° 24 PiPsPrPëPSPë, P±CfP»P° PSPëP·CHPePsCḡ
Cḡ CḡC-PIPSsPIP°PΠPSPsPjCḡ CΓC,P°PSC- (17,4 %).

P'C-PSc,CTHP°PSCÍC,,PsCTHPjP°C†C-Cl. PμC-Cl'P»Cl PíC-PrC€PeC-CTHPSPsC—
C-PSBTM C"PeC†C-C— C-PSCÍCíP»C-PSCí PiP»P°CTHPiC-PSCí Cí P»CTHPrPëPSPë PIC-PS
C€PIPëPrPePs PjPμC,P°P±PsP»C-P.CíC"C,CHCÍCl PSP°
PeP°CTHP±PsPeCÍPëP»CHBSPSPjCí PeC-PSC†C- P±PμC,P°-P»P°PSC†CTHPiP° P·
CíC,PIPsCTHPμPSPSClPj PrPIPsC... P°PeC,PëPIPSPëC... PjPμC,P°P±PsP»C-C,C-PI BTM P_{н1}
(21P_h-P"P»C--C-PSCÍCíP»C-PS) C- M2 (21P_h-P"P»C--PrPμP·-30P'-PÿCTHPμ-
C-PSCÍCíP»C-PS). PJ PíP»P°P·PjC- PeCTHPsPIC- PiPsP»PsPIPSPsCTH
C†PëCTHPeCíP»CTHCTHçPsCTH Cl'PiPsP»CíPePsCTH C" PjPμC,P°P±PsP»C-C, P_{н1}.
P·PeCÍPiPsP·PëC†C-Cl P_{н1} P·CTHPsCÍC,P°C" PíCTHPsPiPsCTHC†C-PNëPSPs
PIPIPμPrPμPSC-PNë PrPsP·C- C-PSCÍCíP»C-PSCí PiP»P°CTHPiC-PSCí.
PαP°CTHPjP°PePsPeC-PSPμC,PëC±PSC- C,P° C,,P°CTHPjP°PePsPrPëPSP°PjC-C±PSC-
PrP°PSC- Cl'PIC-PrC±P°C,CH PíCTHPs C,Pμ, C%oPs PμC,,PμPeC, PíC-PrC€PeC-CTHPSPsC—
C-PSBTM C"PeC†C-C— C-PSCÍCíP»C-PSCí PiP»P°CTHPiC-PSCí PiPsPIBTM ClP·P°PSPëPNë
PiPμCTHPμPIP°P¶PSPs C-P· PμPeCÍPiPsP·PëC†C-C"C_{н1}. P†PSCÍCíP»C-PS
PiP»P°CTHPiC-PS C,P° PjPμC,P°P±PsP»C-C, M2 Cí PiPμCTHPμPIP°P¶PSPsC—
P±C-P»CHC€PsCÍC,C- CíC±P°Cl'PSPëPeC-PI PrPsCÍP»C-PrP¶PμPSC_н PSPμ
PIPëClPIP»ClP»PëCÍCl, P° PePsP»Pë C—C...PSC-PNë PIPIPjC-Cl'C, PjPsP¶PSP° P±CíP»Ps
PIPëP·PSP°C±PëC,Pë, C,Ps C—C...PSC- PePsPSC†PμPSC,CTHP°C†C-C— PSPμ
P·P°P»PμP¶P°P»Pë PIC-Pr PIPIPμPrPμPSPsC— PrPsP·PëB C- Cl'PeP»P°PrCí
PíCTHPμPiP°CTHP°C,Cí C-PSCÍCíP»C-PSCí PiP»P°CTHPiC-PSCí.

P'PëPIPμPrPμPSPSCl. PμC-Cl'P»Cl PIPSCíC,CTHC-C€PSC_нPsPIPμPSPSPsPiPs
PIPIPμPrPμPSPSCl PíCTHPμPiP°CTHP°C,C-PI C-PSCÍCíP»C-PSCí PiP»P°CTHPiC-PSCí C,P°
C-PSCÍCíP»C-PSCí P»CTHPrPëPSPë C—C...PSC- PiPμCTHC-PsPrPë
PSP°PíC-PIPIPëPIPμPrPμPSPSCl P±CíP»Pë PiPsCTHC-PIPSClPSPSPëPjPë.B PμC-Cl'P»Cl
PíC-PrC€PeC-CTHPSPsC— C-PSBTM C"PeC†C-C— PíCTHPμPiP°CTHP°C,Cí PÿPsP¶PμPs
PÿPsP»PsPÿC,P°CTH C±P°Cl' PSP°PíC-PIPIPëPIPμPrPμPSPSCl PIPëP·PSP°C±P°C"C,CHCÍCl
C€PIPëPrPeC-Cl'C,CTH P°P±CíPsCTHP±C†C-C— P· PíC-PrC€PeC-CTHPSPsC—
PeP»C-C,PePsPIPëPSPë. P§P°Cl' PSP°PíC-PIPIPëPIPμPrPμPSPSCl PíCTHPμPiP°CTHP°C,Cí
PÿPsP¶PμPs PÿPsP»PsPÿC,P°CTH PíC-Cl'P»Cl PíC-PrC€PeC-CTHPSPsC— C-PSBTM C"PeC†C-C—
Cl'C,P°PSPsPIPëC,CH 18BTM"19 PiPsPrPëPS C- PSPμ P·P°P»PμP¶PëC,CH PIC-Pr PrPsP·Pë
PíCTHPμPiP°CTHP°C,Cí.

P"C-C,Pë.

P'CíP»Ps PíCTHPsPIPμPrPμPSPs PiPsPíCíP»ClC†C-PNëPSPëPNë
C,,P°CTHPjP°PePsPeC-PSPμC,PëC±PSPëPNë P°PSP°P»C-P· PíCTHPμPiP°CTHP°C,Cí PÿPsP¶PμPs
PÿPsP»PsPÿC,P°CTH PSP° PsCíPSPsPIC- PiPsPeP°P·PSPëPeC-PI PePsPSC†PμPSC,CTHP°C†C-C—
PNëPsPiPs PsCíPSPsPIPSPsPiPs PjPμC,P°P±PsP»C-C,Cí M1 C-P· PIPëPePsCTHPëCíC,P°PSPSClPj
PrP°PSPëC..., PsC,CTHPëPjP°PSPëC... PIC-Pr 75 PrC-C,PμPNë (PIC-PePsPj PIC-Pr 6 PrPs < 18
CTHPsPeC-PI), C...PIPsCTHPëC... PSP° C†CíPeCTHPsPIPëPNë PrC-P°P±PμC, 1 C,PëPíCí. P'PiP»PëPI
PjP°CíPë C,C-P»P° PiP°C†C-C"PSC,P° PSP° PeP»C-CTHPμPSCí PíCTHPμPiP°CTHP°C,Cí PÿPsP¶PμPs
PÿPsP»PsPÿC,P°CTH C" PSPμP»C-PSC-PNëPSPëPj. PíPe PSP°Cl'P»C-PrPsPe, PIPiP»PëPI (PμPμP_н
BTM PíP»PsC%oP° PíC-Pr PeCTHPëPIPsCTH PePsPSC†PμPSC,CTHP°C†C-C— PíCTHPμPiP°CTHP°C,Cí)
Cí PrC-C,PμPNë PrPμC%oPs PSPëP¶C±PëPNë PiPsCTHC-PIPSClPSPs P· C,P°PePëPj Cí
PrPsCTHPsCíP»PëC... PíCTHPë PsC,CTHPëPjP°PSPSC- C,C-C"C— P¶ PrPsP·Pë,
Cl'PePsCTHPëPiPsPIP°PSPsC— P·P° PjP°CíPsCTH C,C-P»P°.

$P^{\circ}P_{\mu}C, P^{\circ}-P \pm P \gg PsPeP^{\circ}C, PsC\bar{H}P\bar{e}, PeP \gg PsPSC-PrP\bar{e}PS, C\acute{I}PsP \gg C- P \gg C-C, C-C\bar{H} P^{\circ}P \pm Ps$
 $P^{\circ}P \gg PePsPiPsP \gg CH PjPsP\bar{I}C\acute{r}C, CH C\bar{I}Pe P\bar{i}PsC\acute{I}P\bar{e}P \gg C\bar{H}PIP^{\circ}C, P\bar{e}, C, P^{\circ}Pe C-$
 $PiPsC\acute{I}P \gg P^{\circ}P \pm P \gg C\bar{H}PIP^{\circ}C, P\bar{e} PiP \gg C\bar{H}PePsP \cdot PsP \cdot PSP\bar{e}P\bar{I}C\acute{r}PIP^{\circ}P \gg CH\bar{P}SC\acute{r} PrC-C\bar{H}$
 $C-PSC\acute{I}C\acute{r}P \gg C-PSC\acute{r}. P_{\bar{u}}P_{\mu}PSC, P^{\circ}PjC-PrP\bar{e}PS PjPsP\bar{I}P_{\mu} PIP\bar{e}PeP \gg P\bar{e}PeP^{\circ}C, P\bar{e}$
 $PiC-P\bar{i}PsPiP \gg C-PeP_{\mu}PjC-C\bar{H}, PiC-C\acute{I}P \gg C\bar{I} C\bar{I}PePsC- C-PSPsPrC- PSP^{\circ}C\acute{I}C, P^{\circ}C''$
 $PiC-P\bar{i}P_{\mu}C\bar{H}PiP \gg C-PeP_{\mu}PjC-C\bar{I}.$

Р"С-РiPsPiP»C-РeРuPjC-Сi. Р\$Р°Сѓ, С‡РmuСђРmuР. СiРeРeРN‡ СђРsР·РiРeРiР°С"С,СђСѓСiСi РiC-РiPsPiP»C-РeРuPjC-Сi, Р·Р°Р»»РmuР¶РiРeC,Сђ РiC-Рr РiСђРsC„C-Р»Сђ РrC-С— C-РSСѓСѓР»C-РSС-Рi, С%oPs Р·Р°СѓС,РsСѓРsРiCѓСђC,СђСѓСiСi, C- C,РsРjСѓ РjРsР¶Рmu Р·РjC-РSСђРiР°C,РeСѓСiСi РiСђРe Р·РjC-РSС- СѓС...РmuРjРe Р»C-РeСѓРiР°РSРSСi. Р"РsC,СђРeРjСѓРiР°C,РeСѓСiСi РsСѓРsР±Р»РeРiРsC— РsР±РmuСђРmuР¶РPSPsСѓС,С- C- РiРsСѓРiРeР»РmuРSPs РeРsРSС,СђРsР»СђРiР°C,Рe СђC-РiРmuРSСђ РiР»СђРeРsР·Рe Сѓ РeСђРsРiC- РrРsСѓC-Р»СђРSPs РiР°C-С"РSС,Р°Рj, Сѓ СiРeРeC... РmuРiC-Р·РsРrРe РiC-РiPsPiP»C-РeРuPjC-С— РjРsР¶СѓС,Сђ Р±СѓС,Рe РsСѓРsР±Р»РeРiРs РSРmuР±РmuР·РiРmuС‡РSРeРjРe Р· РeР»C-РSС-С‡РSРsC— C,РsС‡РeРe Р·РsСђСѓ, C,Р°РeРeРj

PjPsP¶P»PëPIC-ÇŒC,CH PIPëPSPëPePSPµPSPSCŒ ÇŒ PSCHßPsPiPs PïPµCŒC-PsPrPëC‡PSPëC... PSPµPrC-P°PiPSPsÇŒC,PsPIP°PSPëC... (PsÇŒPsP±P»PëPIPs PSC-C‡PSPëC...) PµPïC-P·PsPrC-PI PiC-PïPsPiP»C-PePµPjC-C—.

P”P»CŒ P·PjPµPSC€PµPSPSCŒ CŒPëP·PëPeÇŒ PIPëPSPëPePSPµPSPSCŒ
PiC-PïPsPiP»C-PePµPjC-C— PrÇŒP¶Pµ PIP°P¶P»PëPIPëPjPë C” PrPsC,CŒPëPjP°PSPSCŒ
PïP°C‡C-C”PSC,PsPj PrPsP·Pë PiCŒPµPïP°CŒP°C,ÇŒ, CŒPµP¶PëPjÇŒ C...P°CŒC‡ÇŒPIP°PSPSCŒ,
PiCŒP°PIPëP»CHßPSPsPiPs PIPIPµPrPµPSPSCŒ C-PSCŒÇŒP»C-PSCŒ, P° C,P°PePsP¶
PïPsC-PSC,,PsCŒPjPsPIP°PSC-ÇŒC,CH C...PIPsCŒPsPiPs ÇŒC,PsÇŒPsPIPSPs ÇŒPëPjPïC,PsPjC-PI
PiC-PïPsPiP»C-PePµPjC-C—. P‡ÇŒPSCŒC” CŒCŒPr C,,P°PeC,PsCŒC-PI, CŒPeC-
PïC-PrPIPëC%ÇŒCŒC,CH ÇŒC...PëP»CHßPSC-ÇŒC,CH PrPs PIPëPSPëPePSPµPSPSCŒ
PiC-PïPsPiP»C-PePµPjC-C— C,P° PIPëPjP°PiP°CŒC,CH CŒPµC,PµP»CHßPSPsPiPs
ÇŒPiPsÇŒC,PµCŒPµP¶PµPSPSCŒ P·P° ÇŒC,P°PSPsPj C...PIPsCŒPsPiPs, P° C-PSPsPrC- C-
PePsCŒPµPeC‡C-C— PrPsP·Pë PiCŒPµPïP°CŒP°C,ÇŒ. P”Ps PSPëC... PSP°P»PµP¶P°C,CHß:

-B B P·PjC-PSP° PjC-ÇŒC‡CŒ PIPIPµPrPµPSPSCŒ C-PSCŒÇŒP»C-PSCŒ,

-B B PïC-PrPIPëC%PµPSPSCŒ C‡ÇŒC,P»PëPIPsÇŒC,C- PrPs C-PSCŒÇŒP»C-PSCŒ
(PSP°PiCŒPëPeP»P°Pr, PiCŒPë ÇŒÇŒÇŒPSPµPSPSC- ÇŒC,CŒPµÇŒPsPIPëC... C,,P°PeC,PsCŒC-PI),

-B B PSPµP·PIPëC‡PSPµ, PSP°PrPjC-CŒPSPµ P°P±Ps C,CŒPëPIP°P»Pµ C,,C-P·PëC‡PSPµ
PSP°PIP°PSC,P°P¶PµPSPSCŒ,

-B B ÇŒÇŒPïÇŒC,PSC” P·P°C...PIPsCŒCHßPIP°PSPSCŒ, C%Ps
ÇŒÇŒPiCŒPsPIPPrP¶ÇŒC”C,CHÇŒCŒ P±P»CHßPIP°PSPSCŒPj, PiCŒPsPSPsÇŒPsPj,

-B B PSPµCŒP°C‡C-PsPSP°P»CHßPSPµ C...P°CŒC‡ÇŒPIP°PSPSCŒ,

-B B PiCŒPsPiÇŒÇŒPe PiCŒPëPµPsPjÇŒ C—P¶C-,

-B B PIP¶PëPIP°PSPSCŒ P°P»PePsPiPsP»CHß,

-B B PrPµCŒPeC- PïPsCŒÇŒC€PµPSPSCŒ PµPSPPrPsPeCŒPëPSPSPsC— ÇŒPëÇŒC,PµPjPë
(PSP°PiCŒPëPeP»P°Pr PiC-PïPsC,PëCŒPµPsP·, PSPµPrPsÇŒC,P°C,PSC-ÇŒC,CHß
P°PrPµPSPsPiC-PïPsC,,C-P·P° C‡Pë PePsCŒPë PSP°PrPSPëCŒPePsPIPëC... P·P°P»PsP·) ÇŒ
ÇŒC,P°PrC-C— PrPµPePsPjPïPµPSCŒP°C‡C-C—,

-B B PsPrPSPsC‡P°ÇŒPSPµ P·P°ÇŒC,PsÇŒÇŒPIP°PSPSCŒ PrPµCŒPePëC... C-PSC€PëC...
P»C-PeP°CŒÇŒCHßPePëC... P·P°ÇŒPsP±C-PI (PrPëPI. CŒPsP·PrC-P» B«P”P·P°C”PjPsPrC-CŒ P·
C-PSC€PëPjPë P»C-PeP°CŒÇŒCHßPePëPjPë P·P°ÇŒPsP±P°PjPë C,P° C-PSC€C- PIPëPrPë
PIP·P°C”PjPsPrC-PµB»).

PµPµCŒPµPIPµPrPµPSPSCŒ P· C-PSCŒÇŒP»C-PSCŒ PiP»P°CŒPiC-PSCŒ 100 PµPr./PjP» PSP°
PiCŒPµPïP°CŒP°C, PŸPsP¶PµPs PŸPsP»PsPŸC,P°CŒ C- PSP°PIPïP°PePë. PµÇŒPeC-P»CHßPePë
C-PSCŒÇŒP»C-PS PiP»P°CŒPiC-PS 100 PµPr./PjP» C- PiCŒPµPïP°CŒP°C, PŸPsP¶PµPs
PŸPsP»PsPŸC,P°CŒ PSPµ P±C-PsPµPePIC-PIP°P»PµPSC,PSC- C- PSPµ
PIP·P°C”PjPsP·P°PjC-PSPSC-, PïPµCŒPµC...C-Pr P· PsPrPSPsPiPs PiCŒPµPïP°CŒP°C,ÇŒ PSP°
C-PSC€PëPµ PjPsP¶Pµ PsP±ÇŒPjPsPIPëC,Pë PïPsC,CŒPµP±ÇŒ ÇŒ P·PjC-PSC- PrPsP·Pë C- PjP°C”
PIPëPePsPSCŒPIP°C,PëÇŒCŒ P»PëC€Pµ PiC-Pr CŒPµC,PµP»CHßPSPëPj PjPµPrPëC‡PSPëPj
PSP°PiP»CŒPrPsPj (PrPëPI. CŒPsP·PrC-P» B«PŸPiPsÇŒC-P± P·P°ÇŒC,PsÇŒÇŒPIP°PSPSCŒ C,P°
PrPsP·PëB»).

PµPµCŒPµPIPµPrPµPSPSCŒ PïP°C‡C-C”PSC,P° P· C-PSC€PëC... C-PSCŒÇŒP»C-PSC-PI PSP°

ΠΙCΉPμΠΙP°CΉP°C, PÿPsP¶PμPs PÿPsP»PsPÿC,P°CΉ C- PSP°PIΠiP°PePë.
PμPμCΉPμPIPμPrPμPSPSCΠ ΠiP°C†C-C" PSC,P° PSP° C-PSC€PëPNë C,PëPi P°P±Ps
PjP°CΉPeC† C-PSC†C†P»C-PSC† P· ΠiCΉPμΠiP°CΉP°C,C† PÿPsP¶PμPs PÿPsP»PsPÿC,P°CΉ
C- PSP°PIΠiP°PePë PjP°C" ΠIC-PrP±C†PIP°C,PëC†CΠ ΠiC-Pr CΉPμC,PμP»CΉPSPëPj
PjPμPrPëC±PSPëPj PSP°PiP»CΠPrPsPj. P-PjC-PSPë P°PeC,PëPIPSPsC†C,C-, PjP°CΉPePë
(PIPëCΉPsP±PSPëPeP°), C,PëPiC† (ΠiCΉPsC†C,PëPNë C-PSC†C†P»C-PS, PκPμΠΓ,
P»PμPSC,Pμ, C,CΉPëPIP°P»PsC— PrC-C— C- C.,Pr.), ΠiPsC...PsPrP¶PμPSPSCΠ
(C,PIP°CΉPëPSPSPëPNë, P»CΉPrC†CΉPePëPNë, P°PSP°P»PsPi P»CΉPrC†CΉPePsPiPs
C-PSC†C†P»C-PSC†) C,P°/P°P±Ps C†ΠiPsC†PsP±C† PIPëCΉPsP±PSPëC†C,PIP°
PjPsP¶C†C,CΉ ΠiCΉPëP·PIPμC†C,Pë PrPs PSPμPsP±C...C-PrPSPsC†C,C- P·PjC-PSPë
PrPsP·Pë C-PSC†C†P»C-PSC† (PrPëΠi. CΉPsP·PrC-P» B«PÿΠiPsC†C-P±
P·P°C†C,PsC†C†PIP°PSPSCΠ C,P° PrPsP·PëB»).

[illegible]

PJC,PIPsC $\overline{C}\overline{H}$ P μ PSPSC $\overline{C}\overline{I}$ P $^{\circ}$ PSC,P $\overline{e}$ C,C-P» PrPs C-PSC $\overline{C}\overline{I}$ C $\overline{r}$ P»C-PSC $\overline{r}$. P'PIP μ PrP μ PSPSC $\overline{C}\overline{I}$ P $\overline{C}\overline{H}$ P μ P $\overline{P}^{\circ}$ C $\overline{H}$ P $^{\circ}$ C,C-PI C-PSC $\overline{C}\overline{I}$ C $\overline{r}$ P»C-PSC $\overline{r}$ PjPsP $\overline{P}\overline{I}$ P μ PIP $\overline{e}$ PeP»P $\overline{e}$ PeP $^{\circ}$ C,P $\overline{e}$ C $\overline{r}$ C,PIPsC $\overline{C}\overline{H}$ P μ PSPSC $\overline{C}\overline{I}$ P $^{\circ}$ PSC,P $\overline{e}$ C,C-P» PrPs PSC $\overline{H}$ PsPiPs. PJ C $\overline{H}$ C-PrPeC-C $\overline{I}$ PSP $\overline{e}$ C... PIP $\overline{e}$ P $\overline{P}^{\circ}$ PrPeP $^{\circ}$ C... C $\overline{r}$ P μ C $\overline{H}$ P μ P $\cdot$ PSP $^{\circ}$ C $\overline{I}$ PIPSC-C $\overline{I}$ C,C $\overline{H}$ P $^{\circ}$ PSC,P $\overline{e}$ C,C-P» PrPs C-PSC $\overline{C}\overline{I}$ C $\overline{r}$ P»C-PSC $\overline{r}$ PjPsP $\overline{P}\overline{I}$ P μ PIP $\overline{e}$ PSP $\overline{e}$ PeP $^{\circ}$ C,P $\overline{e}$ PiPsC,C $\overline{H}$ P μ P $\pm$ P $^{\circ}$ C $\overline{r}$ PePsC $\overline{H}$ P μ PeC $\overline{r}$ C-C— PrPsP $\cdot$ P $\overline{e}$ PrP»C $\overline{I}$ C $\overline{r}$ C $\overline{I}$ C $\overline{r}$ PSP μ PSPSC $\overline{C}\overline{I}$ C, μ PSPPrP μ PSC $\overline{r}$ C-C— PrPs PiC-P $\overline{I}$ Ps- P $^{\circ}$ P $\pm$ Ps PiC-PiP μ C $\overline{H}$ PiP»C-PeP μ PjC-C—.

[illegible]

PyP°PePsP¶ PrPëPl. CĤPsP·PrC-P» B«PŸPïPsCíC-P± PIPiPµPrPµPSPSCĽB» Cr CĤPsP·PrC-P»C-B«PŸPïPsCíC-P± P·P°CíC,PsCíCíPIP°PSPSCĽ C,P° PrPsP·PëB».

P"PsPīPsPjC-P¶PSC- CḡPμC±PsPIPēPSPē. P|PμPNē P»C-PeP°CḡCfCHbPePēPNē P·P°CfC-P±
PjC-CfC,PēC,CH PjPμPSCēPμ 1 PjPjPsP»CH PSP°C,CḡC-CH (23 PjPi) PSP° PsPrPSCf
PrPsP·Cf, C,PsP±C,Ps PIC-PS PīCḡP°PeC,PēC±PSPs PSPμ PjC-CfC,PēC,CH
PSP°C,CḡC-CH.

P—P°CfC,PsCfCāPIP°PSPSCl Cē PīPμCḡC-PsPr PIP°PiC-C,PSPsCfC,C- P°P±Ps
PiPsPrCāPIP°PSPSCl PiCḡCāPrPrCH.

P'P°PiC-C,PSC-CfC,CH. PkPμ C-CfPSCfC" PeP»C-PSC-C±PSPsPiPs PrPsCfPIC-PrCf
P·P°CfC,PsCfCfPIP°PSPSCl PiCḡPμPiP°CḡP°C,Cr PŷPsP¶PμPs PŷPsP»PsPŷC,P°Cḡ
PIP°PiC-C,PSPēPj P¶C-PSPeP°Pj. PkPμ C-CfPSCfC" PeP»C-PSC-C±PSPēC... PrP°PSPēC...,
PsC,CḡPēPjP°PSPēC... Cf C...PsPrC- PePsPSC,CḡPsP»CHbPsPIP°PSPēC... PeP»C-PSC-C±PSPēC...
PrPsCfP»C-PrP¶PμPSCb, CfC,PsCfPsPIPSPs P·P°CfC,PsCfCfPIP°PSPSCl C-PSCfCfP»C-PSCf
PiP»P°CḡPiC-PSCf Cf PiPμCḡC-PsPr PIP°PiC-C,PSPsCfC,C-. P'PμP»PēPePēPNē PsP±CfC¶Pi
PrP°PSPēC... C%PsPrPs P·P°CfC,PsCfCfPIP°PSPSCl C†CHbPsPiPs PiCḡPμPiP°CḡP°C,Cr
PIP°PiC-C,PSPēPj P¶C-PSPeP°Pj (P±C-P»CHbCēPμ 1000 PIPēPiP°PrPeC-PI PIP°PiC-C,PSPsCfC,C-
PiCḡPē P·P°CfC,PsCfCfPIP°PSPSC- P»C-PeP°CḡCfCHbPePsPiPs P·P°CfPsP±Cf, C%Ps
PjC-CfC,PēC,CH C-PSCfCfP»C-PSCf PiP»P°CḡPiC-PSCf 100 PhPr./PjP») PIPeP°P·CfC" PSP°
C,Pμ, C%Ps C-PSCfCfP»C-PS PiP»P°CḡPiC-PS PSPμ PIPēC¶PIP»C¶C"
CfPiPμC†PēC,,C-C±PSPēC... PSPμP±P°P¶P°PSPēC... PIPiP»PēPIC-PI PSP° PiPμCḡPμP±C-Pi
PIP°PiC-C,PSPsCfC,C-, P° C,P°PePsP¶ PSPμ CfPiCḡPēC±PēPSClC" P°PSC- PIP°Pr
CḡPsP·PIPēC,PeCf Cf PiP»PsPrP°/PSPsPiPsPSP°CḡPsPrP¶PμPSPsPiPs, P°PSC-
C,PsPeCfPēC±PSPsPiPs PIPiP»PēPICf PSP° PSCHbPsPiPs. P"PsCfP»C-PrP¶PμPSPSCl PSP°
P»P°P±PsCḡP°C,PsCḡPSPēC... C,PIP°CḡPēPSP°C... PSPμ PIPēC¶PIPēP»Pē PsP·PSP°Pe
CḡPμPiCḡPsPrCfPeC,PēPIPSPsC— C,PsPeCfPēC±PSPsCfC,C-. PμCḡPμPiP°CḡP°C, PŷPsP¶PμPs
PŷPsP»PsPŷC,P°Cḡ PjPsP¶PSP° PiCḡPēP·PSP°C†P°C,Pē PiC-Pr C†P°Cf PIP°PiC-C,PSPsCfC,C-,
C¶PeC%Ps Cf C†CHbPsPjCf P»C-PeCfPIP°PSPSC- C" PiPsC,CḡPμP±P°.

P"P»C¶ P·P°PiPsP±C-PiP°PSPSCl PSPμP±P°P¶P°PSPēC... PSP°CfP»C-PrPeC-PI,
PiPsPiBḡ™ C¶P·P°PSPēC... P· PIPēPSPēPePSPμPSPSClPj PiC-PiPμCḡPiP»C-PePμPjC-C—,
PiP°C†C-C"PSC,PeP°Pj, C...PIPSCḡPēPj PSP° C†CfPeCḡPsPIPēPNē PrC-P°P±PμC,, C%Ps
PIPēPSPēPe PrPs PIP°PiC-C,PSPsCfC,C-, P°P±Ps P· PiPμCfC,P°C†C-PNēPSPēPj PrC-P°P±PμC,PsPj
CfPiCḡPsPrPsPIP¶ CfCfCHbPsPiPs PiPμCḡC-PsPrCf PIP°PiC-C,PSPsCfC,C- PrCfP¶Pμ
PIP°P¶P»PēIPs PiC-PrC,CḡPēPjCfPIP°C,Pē PSP°P»PμP¶PSPēPNē PjPμC,P°P±PsP»C-C±PSPēPNē
PePsPSC,CḡPsP»CH. PμPsC,CḡPμP±P° PI C-PSCfCfP»C-PSC- PjPsP¶Pμ
P·PjPμPSCēCfPIP°C,PēCfC¶ PiCḡPsC,C¶PiPsPj P† C,CḡPēPjPμCfC,CḡCf PIP°PiC-C,PSPsCfC,C-
C,P°, C¶Pe PiCḡP°PIPēP»Ps, P·CḡPsCfC,P°C" PiCḡPsC,C¶PiPsPj II C,P° P†P†P†
C,CḡPēPjPμCfC,CḡC-PI. PhPrCḡP°P·Cf PiC-CfP»C¶ PiPsP»PsPiC-PI PiPsC,CḡPμP±P° PI
C-PSCfCfP»C-PSC- CḡC-P·PePs P·PSPēP¶CfC"C,CHbCfC¶ (P·P±C-P»CHbCēCfC"C,CHbCfC¶
CḡPēP·PēPe PIPēPSPēPePSPμPSPSCl PiC-PiPsPiP»C-PePμPjC-C—). PŷPsPjCf PrCfP¶Pμ
PIP°P¶P»PēIPμ P·PSP°C†PμPSPSCl PjP°C" CḡPμC,PμP»CHbPSPēPNē PePsPSC,CḡPsP»CH
CḡC-PIPSCl PiP»CHPePsP·Pē Cf PeCḡPsPIC-.

P"PsPrCāPIP°PSPSCl PiCḡCāPrPrCH. P"PsC,PμPiPμCḡ PSPμPIC-PrPsPjPs, C±Pē
PμPeCfPeCḡPμC,CfC"C,CHbCfC¶ C-PSCfCfP»C-PS PiP»P°CḡPiC-PS Cf PiCḡCfPrPSPμ
PjPsP»PsPePs. P'PēPSPēPePSPμPSPSCl P±CfPrCHb-C¶PePēC...
PjPμC,P°P±PsP»C-C±PSPēC... PμC,,PμPeC,C-PI, CfPiCḡPēC±PēPSPμPSPēC...
PiCḡPsPSPēPePSPμPSPSClPj C-PSCfCfP»C-PSCf PiP»P°CḡPiC-PSCf PI
PsCḡPiP°PSC-P·Pj PSPsPiPsPSP°CḡPsPrP¶PμPSPsPiPs/PSPμPjPsPIP»C¶C,Pē C-P·

PiCḡCṛPrPSPëPj PjPsP»PsPePsPj PiCḡPë PiPsPrCṛPIP°PSPSC-, PSPµ
PsC±C-PeCṛC" C,CHCṛCḡ, PsCṛPeC-P»CHPePë C-PSCṛCṛP»C-PS PiP»P°CḡPiC-PS C"
PiPµPiC,PëPrPsPj, CḡPePëPNḡ Cṛ CḡP»CṛPSPePsPIPs-PePëCḡPePsPIPsPjCṛ C,CḡP°PeC,C-
P»CḡPrPëPSPë CḡPsP·C%oPµPiP»CḡC" C,CHCṛCḡ PSP° P°PjC-PSPsPePëCṛP»PsC,Pë.
P-C-PSPePë PiC-Pr C±P°Cṛ PiCḡCṛPrPSPsPiPs PiPsPrCṛPIP°PSPSCḡ PjPsPḡCṛC,CH
PiPsC,CḡPµP±CṛPIP°C,Pë PePsCḡPµPeC†C-C— PrPsP·Pë PiCḡPµPiP°CḡP°C,Cṛ C,P°
PrC-C" C,Pë.

B PαPµCḡC,PëP»CHPSC-CṛC,CH. P"PsCṛP»C-PrPḡPµPSPSCḡ PSP°
P»P°P±PsCḡP°C,PsCḡPSPëC... C,PIP°CḡPëPSP°C... PSPµ PIPëCḡPIPëP»Pë
P±PµP·PiPsCṛPµCḡPµPrPSCḡPsPiPs CḡPeC-PrP»PëPIPsPiPs PIPiP»PëPICṛ PSP°B
C,,PµCḡC,PëP»CHPSC-CṛC,CH.

P—PrP°C,PSC-CṛC,CH PIPiP»PëPIP°C,Pë PSP° CḡPIPëPrPeC-CṛC,CH CḡPµP°PeC†C-C— PiCḡPë
PePµCḡCṛPIP°PSPSC- P°PIC,PsC,CḡP°PSCṛPiPsCḡC,PsPj P°P±Ps C-PSCḡPëPjPë
PjPµC...P°PSC-P·PjP°PjPë. P—PrP°C,PSC-CṛC,CH PiP°C†C-C" PSC,P° PrPs
PePsPSC†PµPSC,CḡP°C†C-C— CṛPIP°PiPë C,P° CḡPIPëPrPeC-CṛC,CH PNḡPsPiPs
CḡPµP°PeC†C-C— PjPsPḡCṛC,CH PiPsCḡCṛCḡCṛPIP°C,PëCṛCḡ PIPSP°CṛP»C-PrPsPe
PIPëPSPëPePSPµPSPSCḡ PiC-PiPsPiP»C-PePµPjC-C— C±Pë
PiC-PiPµCḡPiP»C-PePµPjC-C— P°P±Ps, PSP°PiCḡPëPeP»P°Pr, CṛPSP°CṛP»C-PrPsPe
P·PsCḡPsPIPëC... CḡPsP·P»P°PrC-PI. PiPµ PjPsPḡPµ P±CṛC,Pë PSPµP±PµP·PiPµC±PSPëPj
Cṛ C,PëC... CṛPëC,CṛP°C†C-CḡC..., PePsP»Pë C†C- CḡPePsCṛC,C- C" PsCṛPsP±P»PëPIPs
PIP°PḡP»PëPIPëPjPë (PSP°PiCḡPëPeP»P°Pr, PiC-Pr C±P°Cṛ PePµCḡCṛPIP°PSPSCḡ
C,CḡP°PSCṛPiPsCḡC,PSPëPjPë P·P°CṛPsP±P°PjPë P°P±Ps CḡPsP±PsC,Pë P·
C-PSCḡPëPjPë PjPµC...P°PSC-P·PjP°PjPë).

PµP°C†C-C" PSC,P°Pj PSPµPsP±C...C-PrPSPs PiPsCḡP°PrPëC,Pë PIPḡPëPIP°C,Pë
PSPµPsP±C...C-PrPSPëC... P·P°PiPsP±C-PḡPSPëC... P·P°C...PsPrC-PI P· PjPµC,PsCḡ
CṛPSPëPePSPµPSPSCḡ PiC-PiPsPiP»C-PePµPjC-C— PiC-Pr C±P°Cṛ PePµCḡCṛPIP°PSPSCḡ
C,CḡP°PSCṛPiPsCḡC,PSPëPj P·P°CṛPsP±PsPj. PiPµ C" PsCṛPsP±P»PëPIPs PIP°PḡP»PëPIPëPj
PrP»Cḡ C,PëC... PiP°C†C-C" PSC,C-PI, Cṛ CḡPePëC... PiPµCḡCḡC- PsP·PSP°PePë
CḡPsP·PIPëC,PeCṛ PiC-PiPsPiP»C-PePµPjC-C— C" CṛP»P°P±PePs PIPëCḡP°PḡPµPSPëPjPë P°P±Ps
PIP·P°PiP°P»C- PIC-PrCṛCṛC,PSC-, P° C,P°PePsPḡ PrP»Cḡ C,PëC... C...PIPsCḡPëC..., Cṛ
CḡPePëC... C±P°CṛC,Ps PIPëPSPëPeP°C" PiC-PiPsPiP»C-PePµPjC-Cḡ. PŸP»C-Pr
CḡPµC,PµP»CHPSPs P·PIP°PḡPëC,Pë, C±Pë PIP°CḡC,Ps CṛC-PrP°C,Pë P·P° PePµCḡPjPs P°P±Ps
PiCḡP°C†CḡPIP°C,Pë P· C-PSCḡPëPjPë PjPµC...P°PSC-P·PjP°PjPë Cṛ C,P°PePsPjCṛ CṛC,P°PSC-.

PŸPiPsCṛC-P± P·P°CṛC,PsCṛCṛPIP°PSPSCḡ C,P° PrPsP·Pë.

P"PsP·CṛPIP°PSPSCḡ. PµCḡPµPiP°CḡP°C, PŸPsPḡPµPs PŸPsP»PsPŸC,P°Cḡ C"
P±P°P·P°P»CHPSPëPjB PiCḡPµPiP°CḡP°C,PsPj C-PSCṛCṛP»C-PSCṛ PrP»Cḡ PIPiPµPrPµPSPSCḡ
PsPrPëPS CḡP°P· PSP° PrPsP±Cṛ Cṛ P±CṛPrCH-CḡPePëPNḡ C±P°Cṛ PrPsP±Pë, P°P»Pµ
P±P°PḡP°PSPs PePsPḡPµPS PrPµPSCḡ PI PsPrPëPS C- C,PsPNḡ CṛP°PjPëPNḡ C±P°Cṛ.

PŸC...PµPjCṛ PIPiPµPrPµPSPSCḡ PiCḡPµPiP°CḡP°C,Cṛ (PrPsP·Cṛ C,P° C±P°Cṛ
PIPiPµPrPµPSPSCḡ) CṛP»C-Pr PiC-PrP±PëCḡP°C,Pë P·PiC-PrPSPs P·
C-PSPPrPëPIC-PrCṛP°P»CHPSPsCḡ PIC-PrPiPsPIC-PrPrCḡ C...PIPsCḡPsPiPs PSP°

P»C-PeCfPIP°PSPSCl.

PμCfPē C†CfPeCfPsPIPsPjCf PrC-P°P±PμC,C- 1 C,PēPīCf PīCfPμPīP°CfP°C, PŷPsP¶PμPs PŷPsP»PsPŷC,P°Cf C†P»C-Pr P·P°C†C,PsC†PsPICfPIP°C,Pē C† PePsPjP±C-PSP°C†C-C— P·C-PSC†C†P»C-PSPsPj PePsCfPsC,PePsC— PrC-C—/ CēPIPēPrPePsC— PrC-C— PrP»C† C† P·P°P±PμP·PīPμC†PμPSPSCl PīPsC,CfPμP±Pē PI C-PSC†C†P»C-PSC- PīC-C†P»C† PīCfPēPNēPsPjC-PI C—P¶C-.

PμP°C†C-C”PSC,P°Pj, C...PIPsCfPēPj PSP° C†CfPeCfPsPIPēPNē PrC-P°P±PμC, 2 C,PēPīCf, PīCfPμPīP°CfP°C, PŷPsP¶PμPs PŷPsP»PsPŷC,P°Cf C,P°PePsP¶ PjPsP¶PSP° P·P°C†C,PsC†PsPICfPIP°C,Pē PsPrPSPsC†P°C†PSPs P· PīPμCfPsCfP°P»CHPSPēPjPē PīCfPsC,PēPrC-P°P±PμC,PēC†PSPēPjPē P»C-PeP°CfC†CHPePēPjPē P·P°C†PsP±P°PjPē.

PŷPēP»P° PrC-C— C†CHPsPiPs P»C-PeP°CfC†CHPePsPiPs P·P°C†PsP±C† PIPēCfP°P¶P°C,CfC†C† PI PsPrPēPSPēC†C†C.... P†C- PsPrPēPSPēC†C- P·P°C†C,PsC†PsPICfCfC,CHC†C† PIPēPSClC,PePsPIPs PrP»C† PīCfPμPīP°CfP°C,C† PŷPsP¶PμPs PŷPsP»PsPŷC,P°Cf C- PIC-PrCfC-P·PSClCfC,CHC†C† PIC-Pr PħPħ C†Pē PsPrPēPSPēC†CH, PI C†PePēC... PIPēCfP°P¶P°C,CfC†C† C†PēP»P° PrC-C— C-PSCēPēC... P°PSP°P»PsPiC-PI C-PSC†C†P»C-PSC (PrPēPI. CfPsP·PrC-P» B«PαP°CfPjP°PePsPrPēPSP°PjC-PeP°B»).

P”PSC†C†PeC-C†C,CH C†P°C†C† PIPμPrPμPSPSCl. P—P° PSPμPsP±C...C-PrPSPsC†C,C- PīP°C†C-C”PSC,Pē PjPsP¶C†C,CH PIPμPsPrPēC,Pē PīCfPμPīP°CfP°C, PŷPsP¶PμPs PŷPsP»PsPŷC,P°Cf PI C-PSC,PμCfPIP°P»C- PrPs 3 PīPsPrPēPS PrPs P°P±Ps PīC-C†P»C† C—C...PSCfPsPiPs P·PIPēC†P°PNēPSPsPiPs C†P°C†C† PIPμPrPμPSPSCl PīCfPμPīP°CfP°C,C† (PrPēPI. CfPsP·PrC-P» B«PαP°CfPjP°PePsPrPēPSP°PjC-PeP°B»).
PμP°C†C-C”PSC,P°Pj, C†PeC- P·P°P±C†PIP°CfC,CH PIPμPsPrPēC,Pē PrPsP·C† PīCfPμPīP°CfP°C,C†, CfPμPePsPjPμPSPrC†C”C,CHC†C† C†P°C†C,C-CēPμ PīPμCfPμPIC-CfC†C,Pē C† C†PμP±Pμ CfC-PIPμPSCf C†C†PeCfC† PI PeCfPsPIC- C- PīC-C†P»C† C†CHPsPiPs PīPsPIPμCfPSC†C,PēC†C† PrPs C†PIPμC— P·PIPēC†P°PNēPSPsC— C†C...PμPjPē PIPμPrPμPSPSCl PīCfPμPīP°CfP°C,C† PsPrPēPS CfP°P· PSP° PrPsP±C†. PμP°C†C-C”PSC,C-PI C†P»C-Pr P·P°C†C,PμCfPμPiC,Pē PIC-Pr PIPμPrPμPSPSCl PīPsPrPIC-PNēPSPsC— PrPsP·Pē PīCfPμPīP°CfP°C,C† PrP»C† PePsPjPīPμPSC†P°C†C-C— PīCfPsPīC†C%PμPSPsC— PrPsP·Pē.

PμP°C†C-C”PSC,Pē, C...PIPsCfC- PSP° C†C†PeCfPsPIPēPNē PrC-P°P±PμC, 1 C,PēPīCé.
PμCfPμPīP°CfP°C, PŷPsP¶PμPs PŷPsP»PsPŷC,P°Cf PīPsC,CfPμP±C†C”
C-PSPrPēPIC-PrC†P°P»CHPSPsPiPs PīC-PrP±PsCfC† PrPsP·C†PIP°PSPSCl C- PjP°C”
P·P°C†C,PsC†PsPICfPIP°C,PēC†C† 1 CfP°P· PSP° PrPsP±C† CfP°P·PsPj P· C-PSC†C†P»C-PSPsPj PePsCfPsC,PePsC— PrC-C—.

PμP°C†C-C”PSC,Pē, C...PIPsCfC- PSP° C†C†PeCfPsPIPēPNē PrC-P°P±PμC, 2 C,PēPīCé.
P PμPePsPjPμPSPrPsPIP°PSP° PīPsC†P°C,PePsPIP° PrPsP±PsPIP° PrPsP·P° C†C,P°PSPsPIPēC,CH 0,2 PsPrPēPSPēC†C-/PePi P· PīPsPrP°P»CHCēPēPj C-PSPrPēPIC-PrC†P°P»CHPSPēPj C—C— PePsCfPēPīC†PIP°PSPSClPj.

PμPμCfPμC...C-Pr P· PīCfPμPīP°CfP°C,C† C-PSC†C†P»C-PSC† PīP»P°CfPiC-PSC† 100 PħPr./PjP» PSP° PīCfPμPīP°CfP°C, PŷPsP¶PμPs PŷPsP»PsPŷC,P°Cf C- PSP°PIPīP°PePē.
P†PSC†C†P»C-PS PīP»P°CfPiC-PS 100 PħPr./PjP» C- PīCfPμPīP°CfP°C, PŷPsP¶PμPs PŷPsP»PsPŷC,P°Cf PSPμ P±C-PsPμPePIC-PIP°P»PμPSC,PSC- C- PSPμ PIP·P°C”PjPsP·P°PjC-PSPSC-. PμPμCfPμC...C-Pr P· C-PSC†C†P»C-PSC† PīP»P°CfPiC-PSC† 100

PhPr./PjP» PSP° PīCḡPμPīP°CḡP°C, PŷPsP¶PμPs PŷPsP»PsPŷC,P°Cḡ PjPsP¶P»PēPIPēPNē P·C-
P·P±PμCḡPμP¶PμPSPSC¶Pj C,PsC±PSPsC— PrPsP·Pē Cr PsPrPēPSPēC†C¶C..., PīCḡPsC,Pμ
PrP»C¶ PrPsC†C¶PīPSPμPSPSC¶ C†C-P»CHbSPiPsPiPs PrC-P°PīP°P·PsPSCr CḡC-PIPSC-PI
PīP»CḡPePsP·Pē Pī PīP»P°P·PjC- PeCḡPsPIC- PjPsP¶Pμ P±C†C,Pē PīPsC,CḡC-P±PSPμ
P·P°C†C,PsC†C†PīP°PSPSC¶ P±C-P»CHbCē PIPēC†PsPePsC— (PīCḡPēP±P»PēP·PSPs PSP°
10bḡ“18 %) PrPsP·Pē PīCḡPμPīP°CḡP°C,Cr PŷPsP¶PμPs PŷPsP»PsPŷC,P°Cḡ. PμCḡPē
PīPμCḡPμPIPμPrPμPSPSC- PīP°C†C-C”PSC,P° P· PīCḡPμPīP°CḡP°C,Cr PŷPsP¶PμPs
PŷPsP»PsPŷC,P°Cḡ PSP° C-PSC†C†P»C-PS PīP»P°CḡPīC-PS 100 PhPr./PjP»
PSPμPsP±C...C-PrPSPs P·PSPēP·PēC,Pē PrPsP·Cr (PīCḡPēP±P»PēP·PSPs PSP° 20 %) PrP»C¶
P·PjPμPSCēPμPSPSC¶ CḡPēP·PēPeCr PīC-PīPsPiP»C-PePμPjC-C—. PμC-Pr C†P°C†
PīPμCḡPμC...PsPrCr C,P° PīCḡPsC,C¶PīPsPj PīPμCḡCēPēC... C,PēP¶PSC-PI PīC-C†P»C¶
PīPμCḡPμC...PsPrCr CḡPμPePsPjPμPSPrCrC”C,CHbC†C¶ CḡPμC,PμP»CHbPSPs
PePsPSC,CḡPsP»CḡPIP°C,Pē PjPμC,P°P±PsP»C-C†PSC- PīPsPeP°P·PSPēPePē.

PμPμCḡPμC...C-Pr P· C-PSCēPēC... P±P°P·P°P»CHbPSPēC... C-PSC†C†P»C-PSC-PI PSP°
PīCḡPμPīP°CḡP°C, PŷPsP¶PμPs PŷPsP»PsPŷC,P°Cḡ. PμCḡPē PīPμCḡPμC...PsPrC- PIC-Pr
C†C...PμPj P»C-PeCrPīP°PSPSC¶ C-PSC†C†P»C-PSP°PjPē C†PμCḡPμPrPSCḡPsC—
C,CḡPēPīP°P»PsC†C,C- PrC-C— P°P±Ps C,CḡPēPīP°P»PsC— PrC-C— PSP° C†C...PμPjCr
P»C-PeCrPīP°PSPSC¶ PīCḡPμPīP°CḡP°C,PsPj PŷPsP¶PμPs PŷPsP»PsPŷC,P°Cḡ PjPsP¶Pμ
PIPēPSPēPePSCrC,Pē PīPsC,CḡPμP±P° Cr P·PjC-PSC- PrPsP·Pē P±P°P·P°P»CHbPSPsPiPs
C-PSC†C†P»C-PSCr, P° C,P°PePsP¶ Cr PePsCḡPμPeC†C-C— C†C†PīCrC,PSCHbPsC—
PīCḡPsC,PēPrC-P°P±PμC,PēC±PSPsC— C,PμCḡP°PīC-C— (PrPsP· C- C†P°C†Cr
PIPIPμPrPμPSPSC¶ PrPsPrP°C,PePsPiPs P·P°C†C,PsC†PsPīP°PSPēC... PīCḡPsC†C,PēC...
C-PSC†C†P»C-PSC-PI P°P±Ps P°PSP°P»PsPiC-PI C-PSC†C†P»C-PSCr CēPIPēPrPePsC— PrC-C—
C†Pē PrPsP· PSPμC-PSC†C†P»C-PSPsPīPēC... PīCḡPsC,PēPrC-P°P±PμC,PēC±PSPēC...
P»C-PeP°CḡC†CHbPePēC... P·P°C†PsP±C-PI).

P—P°PjC-PSCr P±P°P·P°P»CHbPSPēC... C-PSC†C†P»C-PSC-PI, C¶PeC- PIPiPsPrC¶C,CHbC†C¶
PsPrPēPS CḡP°P· PSP° PrPsP±Cr, PSP° PīCḡPμPīP°CḡP°C, PŷPsP¶PμPs PŷPsP»PsPŷC,P°Cḡ 1
CḡP°P· PSP° PrPsP±Cr PjPsP¶PSP° PIPēPePsPSCrPīP°C,Pē CēP»C¶C...PsPj P·P°PjC-PSPē PSP°
C,Cr P¶ PeC-P»CHbPeC-C†C,CHb PsPrPēPSPēC†CHb PīPsPīPμCḡPμPrPSCḡPsC— PrPsP·Pē
PīCḡPμPīP°CḡP°C,Cr P±P°P·P°P»CHbPSPsPiPs C-PSC†C†P»C-PSCr.

Pj CḡP°P·C- P·P°PjC-PSPē P±P°P·P°P»CHbPSPēC... C-PSC†C†P»C-PSC-PI, C¶PeC-
PIPIPsPrC¶C,CHbC†C¶ PrPIC-C†C- PSP° PrPsP±Cr, PSP° PīCḡPμPīP°CḡP°C, PŷPsP¶PμPs
PŷPsP»PsPŷC,P°Cḡ 1 CḡP°P· PSP° PrPsP±Cr CḡPμPePsPjPμPSPrPsPīP°PSP° PīPsC†P°C,PePsPīP°
PrPsP·P° PīCḡPμPīP°CḡP°C,Cr PŷPsP¶PμPs PŷPsP»PsPŷC,P°Cḡ C†C,P°PSPsPīPēC,CHb 80 %
PIC-Pr PīPsPīPSPsC— PrPsP±PsPīPsC— PrPsP·Pē PīPsPīPμCḡPμPrPSCḡPsPiPs
PīCḡPμPīP°CḡP°C,Cr P±P°P·P°P»CHbPSPsPiPs C-PSC†C†P»C-PSCr, PīCḡPēPNēPsPj C¶PePsPiPs
PīCḡPēPīPēPSC¶C”C,CHbC†C¶.

Pj PīP°C†C-C”PSC,C-PI, C¶PeC- PsC,CḡPēPjCrCḡC,CHb PIPēC†PsPeC- PrPsP·Pē
C-PSC†C†P»C-PSCr PIPSP°C†P»C-PrPsPe PSP°C¶PIPSPsC†C,C- P°PSC,PēC,C-P» PrPs
P»CḡPrC†CHbPePsPiPs C-PSC†C†P»C-PSCr, PīCḡPē PīPμCḡPμC...PsPrC- PSP° PīCḡPμPīP°CḡP°C,
PŷPsP¶PμPs PŷPsP»PsPŷC,P°Cḡ PjPsP¶P»PēPIPμ PīPsPeCḡP°C%PμPSPSC¶ PIC-PrPīPsPIC-PrC-
PSP° PIPiPμPrPμPSPSC¶ C-PSC†C†P»C-PSCr.

PμC-Pr C†P°C† PīPμCḡPμC...PsPrCr PSP° C-PSCēPēPNē PīCḡPμPīP°CḡP°C, C,P°
PIPīCḡPsPrPsPīP¶ PīPμCḡCēPēC... C,PēP¶PSC-PI PīC-C†P»C¶ C†CHbPsPiPs
CḡPμPePsPjPμPSPrCrC”C,CHbC†C¶ CḡPμC,PμP»CHbPSPs PePsPSC,CḡPsP»CḡPIP°C,Pē
PjPμC,P°P±PsP»C-C†PSC- PīPsPeP°P·PSPēPePē C...PIPsCḡPsPiPs.

PsPrPSC-C''C— PrC-P»CΠPSPePë, C%PsP± P·PjPμPSC€PëC,Pë CḡPëP·PëPe CḡPsP·PIPëC,PeCf P»C-PiPsPrPëCfC,CḡPsC,,C-C— C,P° P°PjC-P»PsC—PrPsP·Cf C€PeC-CḡPë (PrPëPI. CḡPsP·PrC-P»Pë B B«PhCfPsP±P»PëPIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSCΠB» C,P° B«PμPsP±C-C‡PSC- CḡPμP°PeC†C-C—B»).

PkPμ PrPsP·PIPsP»CΠC''C,ChCfCΠ PIPSCfC,CḡC-C€PSCḡPsPIPμPSPSPμ PIPμPrPμPSPSCΠ PīCḡPμPīP°CḡP°C,Cf PŷPsPΠPμPs PŷPsP»PsPŷC,P°Cḡ. PμPsPrPsPIPΠPμPSP° C,CḡPëPIP°P»C-CfC,Ch PrC-C— PīCḡPμPīP°CḡP°C,Cf C'' P·P°P»PμPΠPSPsCḡ PIC-Pr PNePsPiPs PIPμPrPμPSPSCΠ Cf PīC-PrC€PeC-CḡPSCf C,PeP°PSPëPSCf. P'PSCfC,CḡC-C€PSCḡPsPIPμPSPSPμ PIPμPrPμPSPSCΠ P·PIPëC‡P°PNePSPsC— PīC-PrC€PeC-CḡPSPsC— PrPsP·Pë PīCḡPμPīP°CḡP°C,Cf PjPsPΠPμ PīCḡPëP·PIPμCfC,Pë PrPs C,CΠPΠPePsC— PīC-PiPsPiP»C-PePμPjC-C—.

PμCḡPμPīP°CḡP°C, PŷPsPΠPμPs PŷPsP»PsPŷC,P°Cḡ PSPμ PjPsPΠPSP° P·P°CfC,PsCfPsPICfPIP°C,Pë P·P° PrPsPiPsPjPsPiPsCḡ C-PSC,,CfP·C-PNePSPëC... C-PSCfCfP»C-PSPsPIPëC... PiPsPjPi.

PJ PIC-PePSC- PrPsP·CfPIP°PSPSCΠ PiPsPeP°P·P°PSPs PeC-P»ChPeC-CfC,Ch PsPrPëPSPëC†Ch PīCḡPμPīP°CḡP°C,Cf PŷPsPΠPμPs PŷPsP»PsPŷC,P°Cḡ, CΠPeP° PIPμPsPrPëC,ChCfCΠ. PμPsPiPμCḡPμPrPSCḡPs PSP°PiPsPIPSPμPSP° C€PīCḡPëC†-CḡCfC‡PeP° PŷPsPΠPμPs PŷPsP»PsPŷC,P°Cḡ CfPīPμC†C-P°P»ChPSPs CḡPsP·CḡPsP±P»PμPSP° PrP»CΠ PīCḡPμPīP°CḡP°C,Cf PŷPsPΠPμPs PŷPsP»PsPŷC,P°Cḡ, C,PsPjCf PīPμCḡPμCḡP°C...PsPICfPIP°C,Pë PrPsP·Cf PrP»CΠ PePsPΠPSPsC— C€PīCḡPëC†-CḡCfC‡PePë PSPμ PiPsC,CḡC-P±PSPs.

PμPμCḡC€ PSC-PΠ PIPëPePsCḡPëCfC,PsPICfPIP°C,Pë PiPsPiPμCḡPμPrPSCḡPs PSP°PiPsPIPSPμPSPCf C€PīCḡPëC†-CḡCfC‡PeCf PŷPsPΠPμPs PŷPsP»PsPŷC,P°Cḡ, PSPμPsP±C...C-PrPSPs PsP·PSP°PNePsPjPëC,PëCfCΠ P· C-PSCfC,CḡCfPeC†C-CΠPjPë C%PsPrPs PIPëPePsCḡPëCfC,P°PSPSCΠ (PrPëPI. PīC-PrCḡPsP·PrC-P» B«PhCfPsP±P»PëPIC- P·P°CfC,PμCḡPμPΠPμPSPSCΠ PīCḡPë PIPëPePsCḡPëCfC,P°PSPSC- PīCḡPμPīP°CḡP°C,CfB»).

P—P° PrPsPiPsPjPsPiPsCḡ PiPsPiPμCḡPμPrPSCḡPs PSP°PiPsPIPSPμPSPsC— C€PīCḡPëC†- CḡCfC‡PePë PŷPsPΠPμPs PŷPsP»PsPŷC,P°Cḡ P·P° PsPrPSCf C-PSbḡ™ C''PeC†C-Ch PjPsPΠPSP° PIPμPsPrPëC,Pë PrPsP·Cf PIC-Pr 1 PrPs 80 PsPrPëPSPëC†Ch P· PeCḡPsPePsPj PīC-PrP±PsCḡCf PrPsP·Pë PI 1 PsPrPëPSPëC†Ch.B PJ PIC-PePsPSC†C- PrPsP·Pë PIC-PrPsP±CḡP°PΠP°C''C,ChCfCΠ PeC-P»ChPeC-CfC,Ch PsPrPëPSPëC†Ch PīCḡPμPīP°CḡP°C,Cf, CΠPeP° PIPμPsPrPëC,ChCfCΠ.

PμCḡPμPīP°CḡP°C, PŷPsPΠPμPs PŷPsP»PsPŷC,P°Cḡ PSPμ PjPsPΠPSP° PIC-PrP±PëCḡP°C,Pë P· PeP°CḡC,CḡPëPrPΠP° PiPsPiPμCḡPμPrPSCḡPs PSP°PiPsPIPSPμPSPsC— C€PīCḡPëC†- CḡCfC‡PePë Cf C€PīCḡPëC†, PsCfPeC-P»ChPePë C†Pμ PjPsPΠPμ PīCḡPëP·PIPμCfC,Pë PrPs C,CΠPΠPePsPiPs PīPμCḡPμPrPsP·CfPIP°PSPSCΠ PīCḡPμPīP°CḡP°C,Cf (PrPëPI. CḡPsP·PrC-P» B«PμPμCḡPμPrPsP·CfPIP°PSPSCΠB» C- PīC-PrCḡPsP·PrC-P» B«PhCfPsP±P»PëPIC- P·P°CfC,PμCḡPμPΠPμPSPSCΠ PīCḡPë PIPëPePsCḡPëCfC,P°PSPSC- PīCḡPμPīP°CḡP°C,CfB» PSPëPΠC‡Pμ).

PμPμCḡPμPr PePsPΠPSPsCḡ C-PSbḡ™ C''PeC†C-C''Cḡ PSPμPsP±C...C-PrPSPs PīC-Prbḡ™ C''PrPSCfPIP°C,Pë PSPsPICf CfC,PμCḡPëP»ChPSCf PiPsP»PeCf. PμPsPIC,PsCḡPSPμ PIPëPePsCḡPëCfC,P°PSPSCΠ PiPsP»PsPe P·P±C-P»ChC€CfC'' CḡPëP·PëPe P±P»PsPeCfPIP°PSPSCΠ PiPsP»PePë, C%Ps PjPsPΠPμ PīCḡPëP·PIPμPrPëC,Pë PrPs PIPμPrPμPSPSCΠ PSPμPrPsCfC,P°C,PSChPsC— P°P±Ps PSP°PrPjC-CḡPSPsC— PrPsP·Pë PīCḡPμPīP°CḡP°C,Cf (PrPëPI. PīC-PrCḡPsP·PrC-P» B«PhCfPsP±P»PëPIC-

P'PsP»PePë PSPµPsP±C...C-PrPSPs PIPëPePëPrP°C,Pë PsPrCĤP°P·C' P¶ PİC-Cİ'P»Cİİ
PIPëPePsCĤPëCİ'C,P°PSPSCİİ. PµPµCĤPµPr PePsP¶PSPsCĤ C-PSBĤ™C"PeC†C-C"Ĥ
PSPµPsP±C...C-PrPSPs PİC-PrBĤ™C"PrPSC'PIP°C,Pë PSPsPIC' Cİ'C,PµCĤPëP»CĤPSC'

PiPsP»PeCf. PµCḡPē PīPsPIC,PsCḡPSPsPjCf PIPēPePsCḡPēCfC,P°PSPSC- PiPsP»PeP° PjPsP¶Pµ P·P°P±P»PsPeCfPIP°C,PēCfCµ C- P'Pē PjPsP¶PµC,Pµ PSPµ PsC,CḡPēPjP°C,Pē PīPsC,CḡC-P±PSPsC— PrPsP·Pē (PIPIPµPrPµPSPSCµ PSPµPrPsCfC,P°C,PSCHbPsC— PrPsP·Pē) P°P±Ps PsC,CḡPēPjP°C,Pē PSP°PrC,Ps PIPµP»PēPeCf PrPsP·Cf PīCḡPµPīP°CḡP°C,Cf (PīPµCḡPµPrPsP·CfPIP°PSPSCµ). P'PēPePsCḡPēCfC,P°PSPSCµ PSPsPiPsC— CfC,PµCḡPēP»CHbPSPsC— PiPsP»PePē PrP»Cµ PePsP¶PSPsC— C-PS'C"PeC†C-C— C,P°PePsP¶ P·PiPsPrPēC,CH PrPs PjC-PSC-PjCfPjCf CḡPēP·PēPe PePsPSC,P°PjC-PSP°C†C-C— C,P° C-PSC,,PµPeC†C-C—. PJ CḡP°P·C- P±P»PsPeCfPIP°PSPSCµ PiPsP»PePē PīP°C†C-C"PSC,P°Pj PSPµPsP±C...C-PrPSPs PrPsC,CḡPēPjCfPIP°C,PēCfCµ C-PSCfC,CḡCfPeC†C-PNē, PsPīPēCfP°PSPēC... Cf PeCḡPsC†C- 3 C-PSCfC,CḡCfPeC†C-C— P· PIPēPePsCḡPēCfC,P°PSPSCµ (PrPēPI. PSPēP¶C±Pµ).

PkPµ PjPsP¶PSP° PIPēPePsCḡPēCfC,PsPICfPIP°C,Pē P·PIPēC±P°PN°PSPēPN° C-PSCfCfP»C-PSPsPiPēPN° CēPīCḡPēC† PrP»Cµ PIC-PrP±PsCḡCf PīCḡPµPīP°CḡP°C,Cf C-PSCfCfP»C-PSCf P·C- CēPīCḡPēC†-CḡCfC±PePē. P'Pē PjPsP¶PµC,Pµ PsC,CḡPēPjP°C,Pē PSP°PrC,Ps PIPµP»PēPeCf PrPsP·Cf C-PSCfCfP»C-PSCf. PēPeP°P»P° P±C-P»CHbCēPsCfC,C- CēPīCḡPēC†C-PI PīCḡP°PrCfPN°PsPIP°PSP° PrP»Cµ PIPēPePsCḡPēCfC,P°PSPSCµ P»PēCēPµ PSPµPePsPSC†PµPSC,CḡPsPiP°PSPēC... PīCḡPµPīP°CḡP°C,C-PI C-PSCfCfP»C-PSCfB B B (100 PhPr./PjP»).

P'P°P¶P»PēPIP° C-PSC,,PsCḡPjP°C†C-Cµ C%PsPrPs PIPēPePsCḡPēCfC,P°PSPSCµ CēPīCḡPēC†-CḡCfC±PePē PŷPsP¶PµPs PŷPsP»PsPŷC,P°Cḡ.

- PēPīCḡPēC†-CḡCfC±PeP° PīCḡPēP·PSP°C±PµPSP° PsCfPsP±PēCfC,Ps P'P°Pj, C- PSPµ CfP»C-Pr PīPµCḡPµPrP°PIP°C,Pē C—C— C-PSCēPēPj PsCfPsP±P°Pj.

- PkPµ PjPsP¶PSP° PIPēPePsCḡPēCfC,PsPICfPIP°C,Pē CēPīCḡPēC†-CḡCfC±PeCf Cf CḡP°P·C- C—C— PīPsCēPePsPrP¶PµPSPSCµ P°P±Ps PīCḡPē PSP°CµPIPSPsCfC,C- CfCfPjPSC-PICf C%PsPrPs PīCḡP°PIPēP»CHbPSPsCfC,C- C—C— C,,CfPSPeC†C-PsPSCfPIP°PSPSCµ.

- P—P°PIP¶PrPē CfP»C-Pr PīCḡPsPiPsPrPēC,Pē C,PµCfC, PSP° P±PµP·PīPµPeCf.

- P—P°PIP¶PrPē PSPµPsP±C...C-PrPSPs PjP°C,Pē P·P°PīP°CfPSCf CēPīCḡPēC†-CḡCfC±PeCf C- P·P°PīP°CfPSC- PiPsP»PePē PSP° PIPēPīP°PrPsPe PIC,CḡP°C,Pē P°P±Ps PīPsCēPePsPrP¶PµPSPSCµ PsCfPSPsPiPsPSPsPiPs PSP°P±PsCḡCf.

P©Ps PīPsC,CḡC-P±PSPs P·PSP°C,Pē PrP»Cµ PīCḡPsPiPµPrPµPSPSCµ C-PSbḡ™C"PeC†C-C—.

- PµPµCḡPµPr PIPēPePsCḡPēCfC,P°PSPSCµPj CēPīCḡPēC†-CḡCfC±PePē CfP»C-Pr P·P°PīPēC,P°C,Pē CfPIPsPiPs P»C-PeP°CḡCµ P°P±Ps PjPµPrCfPµCfC,CḡCf, CµPe CḡPsP±PēC,CHCfCµ C-PSbḡ™C"PeC†C-Cµ.

- PīPeC%Ps Cf P'P°Cf C" CµPeC--PSPµP±CfPrCHb CfPeP»P°PrPSPsC%oC- P· PIPēPePsCḡPēCfC,P°PSPSCµPj CēPīCḡPēC†-CḡCfC±PePē, PSP°PīCḡPēPeP»P°Pr, C±PµCḡPµP· PīCḡPsP±P»PµPjPē P· P·PsCḡPsPj, P·PIPµCḡPSC-C,CHCfCµ P·P° PrPsPīPsPjPsPiPsCH.

- PµPµCḡPµPr PIPēPePsCḡPēCfC,P°PSPSCµPj CēPīCḡPēC†-CḡCfC±PePē CfP»C-Pr PīPµCḡPµC±PēC,P°C,Pē C†CH C-PSCfC,CḡCfPeC†C-CH. PJ CḡP°P·C- PSPµPrPsC,CḡPēPjP°PSPSCµ C†PēC... PSP°CfC,P°PSPsPI P'Pē PjPsP¶PµC,Pµ PsC,CḡPēPjP°C,Pē PSP°PrC,Ps PIPēCfPsPeCf P°P±Ps PSPēP·CHbPeCf PrPsP·Cf C-PSCfCfP»C-PSCf.

P"PsPrP°C,PePsPIC- CḡPµC±C-, CµPeC- P±CfPrCfC,CH PīPsC,CḡC-P±PSC- PīCḡPē

PIPIPμPrPμPSPSC- C†CHbPsPiPs PiCḡPμPīP°CḡP°C,C†:

- PSPsPIP° C†C,PμCḡPēP»CHbPSP° PiPsP»PeP° (PrPēPIC-C,CHC†C‡ PḡP PḡPḡ 2);

- P·PjPsC†PμPSPēPNē C†PīPēCḡC,PSPj C,P°PjPīPsPS;

—C†C,C-PNēPePēPNē PrPs PiCḡPsPePsP»CḡPIP°PSPSC‡ PePsPSC,PμPNēPSPμCḡ PrP»C‡
PIPēPePsCḡPēC†C,P°PSPēC... PiPsP»PsPe C,P° CēPiCḡPēC†-CḡC†C†PsPe.

-

P†PḡPŸPŸP PjPḡP|P†Pī P· PIPēPePsCḡPēC†C,P°PSPSC‡ CēPiCḡPēC†-CḡC†C†PePē
PŸPsP¶PμPs PŸPsP»PsPŸC,P°Cḡ



*PμPsCḡCēPμPSCḡ PSPμ P±C†PrPμ PIPēPrPSPs, PrPsPePē P’Pē PSPμ PIPIPμPrPμC,Pμ
PrPμPeC-P»CHbPeP° PrPsP·.

P PēC†. 2. PŸC...PμPjP°C,PēC†PSPμ P·PsP±CḡP°P¶PμPSPSC‡ CēPiCḡPēC†-CḡC†C†PePē
PŸPsP¶PμPs PŸPsP»PsPŸC,P°Cḡ.

PḡP PḡPḡ 1. PμPμCḡPμPIC-CḡC,Pμ C†PIPSCḡ CēPiCḡPēC†-CḡC†C†PeC†.

P©PsPSP°PNēPjPμPSCēPμ P·P° 1 PiPsPrPēPSC† PrPs PiCḡPsPIPμPrPμPSPSC‡
C-PSbḡ™ C”PeC†C-C— PIPēPNēPjC-C,CH PSPsPIC† CēPiCḡPēC†-CḡC†C†PeC† P·
C...PsP»PsPrPēP»CHbPSPēPeP°. PjPePsP» C...PsP»PsPrPSPēPj CḡPsP·C†PēPSPsPj
C-PSC†C†P»C-PSC† P±C-P»CHbCē P±PsP»C-C†PSPēPNē.

**Pḡ.B PμPμCḡPμPIC-CḡC,Pμ PSP°P·PIC† PiCḡPμPīP°CḡP°C,C† C- PrP°C,C†
P·P°PeC-PSC†PμPSPSC‡ C,PμCḡPjC-PSC† PiCḡPēPrP°C,PSPsC†C,C- PSP°
PμC,PēPePμC,C†C- CēPiCḡPēC†-CḡC†C†PePē.**

- PμPμCḡPμPePsPSP°PNēC,PμC†C‡, C%Ps P’Pē PIP·C‡P»Pē PIC-PrPīPsPIC-PrPSPēPNē
PiCḡPμPīP°CḡP°C, C-PSC†C†P»C-PSC†. P|Pμ PsC†PsP±P»PēIPs PIP°P¶P»PēIPs, C‡PeC%Ps C†
P’P°C† C” C-PSCēC- CēPiCḡPēC†-CḡC†C†PePē.



- PḡC-PePsP»Pē PSPμ PIPēPePsCḡPēC†C,PSPIC†PNēC,Pμ CēPiCḡPēC†-CḡC†C†PeC† PiC-C†P»C‡
P·P°PeC-PSC†PμPSPSC‡ C—C— C,PμCḡPjC-PSC† PiCḡPēPrP°C,PSPsC†C,C-.

B.B P—PSC-PjC-C,CH PePsPIPīP°C†PsPe CēPiCḡPēC†-CḡC†C†PePē.



C.B P’PīPμPIPSC-C,CHC†C‡ C† C,PSPjC†, C%Ps C-PSC†C†P»C-PS C” PiCḡPsP·PsCḡPēPj.

- PќPµ PIPёPePsCђPёCђC,PsPICђPNёC,Pµ CёPіCђPёCђ-CђCђCђPeCђ, CђPeC%Ps CђPsP·CђPёPS C-PSCђCђP»C-PSCђ PјCђC, PSPёPNё PSP° PIPёPiP»CђPr, P·P°P±P°CђPIP»PµPSPёPNё P°P±Ps PјC-CђC,PёC,CH CђP°CђC,PёPSPёPё.



РљР РћРљ 2. РµCђPёC”PrPSP°PNёC,Pµ PSPsPICђ PiPsP»PeCђ.

- P”P»Cђ PIPёPePsPSP°PSPSCђ PePsP¶PSPsC— C-PSБђ™C”PeCђC-C— P·P°PIP¶PrPё PIPёPePsCђPёCђC,PsPICђPNёC,Pµ PSPsPICђ CђC,PµCђPёP»CHPSCђ PiPsP»PeCђ. PјPµ PrPsPіPsPјPsP¶Pµ P·P°PіPsP±C-PіC,Pё P±P»PsPeCђPIP°PSPSCђ PiPsP»PePё, P·P°P±CђCђPrPSPµPSPSCђ C,P° P·P°PSPµCђPµPSPSCђ C-PSC,,PµPeCђC-C—.

- P’PёPePsCђPёCђC,PsPICђPNёC,Pµ C,C-P»CHPePё C,P°PeC- PiPsP»PePё, CђPeC- C” CђCђPјC-CђPSPёPјPё PrP»Cђ PIPёPePsCђPёCђC,P°PSPSCђ P· PіCђPµPіP°CђP°C,PsPј PђPsP¶PµPs PђPsP»PsPђC,P°Cђ (PSP°PіCђPёPeP»P°Pr PiPsP»PePё PIPёCђPsP±PSPёCђC,PIP° PePsPјPіP°PSC-PNё B«P’P”B» [BD], B«PђPіCђPsPјPµPrB» [Ypsomed], B«PhCђC,CђP°PSP°B» [Artsana] P°P±Ps B«PhCђPµPS РћP°PјC,,PsCђPrB» [Owen Mumford]).

В А.В В В В В В Р’С-Р·СђРјС-С,Сђ PSPsPICђ PiPsP»PeCђ С,Р° PIC-PrPeP»PµPNёC,Pµ Р·Р°С...PёCђPSCђ PiP»C-PIPeCђ.



В. PђCђPёPјP°PNёC,Pµ PiPsP»PeCђ PіCђCђPјPs C- P·P°PeCђCђC,C-C,CH C—C— PSP° CёPіCђPёCђ-CђCђCђPeCђ PrPs P·P°PeCђC-PіP»PµPSPSCђ. PќPµ P·P°PeCђCђCђPNёC,Pµ PiPsP»PeCђ P·P°PSP°PrC,Ps C,CђPiPs.



С. Р—PSC-PјC-C,Сђ Р·PsPIPSC-CёPSC-PNё PePsPIPіP°CђPsPe P· PiPsP»PePё. Р—P±PµCђPµP¶C-C,Сђ PNёPsPiPs Бђ” PIC-PS Р·PSP°PrPsP±PёC,СђCђCђ PіC-Р·PSC-CёPµ.



Д. Р—PSC-PјC-C,Сђ PIPSCђC,CђC-CёPSC-PNё PePsPIPіP°CђPsPe PiPsP»PePё C,P° PIPёPePёPSCђC,Pµ PNёPsPiPs.



РљPsCђPёCђC,CђPIP°PSPSCђ PiPsP»PeP°PјPё.

PµPsPIPsPrCHC,PµCђCђ P· PiPsP»PeP°PјPё PsP±PµCђPµP¶PSPs, C%PsP± P·P°PіPsP±C-PіC,Pё CђPePsP»P°Pј PiPsP»PePsCђ C- PіPµCђPµC...CђPµCђPSPsPјCђ C-PSC,,C-PeCђPIP°PSPSCђ.

РљР РћРљ 3. Р’PёPePsPSP°PNёC,Pµ C,PµCђC, PSP° P±PµP·PіPµPeCђ.

Р—P°PIP¶PrPё PIPёPePsPSCђPNёC,Pµ C,PµCђC, PSP° P±PµP·PіPµPeCђ PіPµCђPµPr PePsP¶PSPsCђ C-PSБђ™C”PeCђC-C”Cђ PrP»Cђ C,PsPiPs, C%PsP±:

- PіPµCђPµPIC-CђPёC,Pё, C%Ps P’P°CёP° CёPіCђPёCђ-CђCђCђPeP° C- PiPsP»PeP° PіCђP°CђCђC,Сђ PіCђP°PIPёP»CHPSPs;

-B B PIPiPμPIPSPëC,PëCÍCÍ CÍ C,PsPjCÍ, C%Ps P'Pë PsC,CËPëPjP°C"C,Pμ PìPsC,CËC-P±PSCÍ P'P°Pj PrPsP·CÍ C-PSCÍCÍP»C-PSCÍ.

Ph. PhP±PμCËC-C,CH PrPsP·CÍ 3 PsPrPëPSPëC†C-, PsP±PμCËC,P°CËC†Pë PìPμCËPμPjPëPeP°C† PrP»CÍ PIPëP±PsCËCÍ PrPsP·Pë, PìPsPePë PìPsPeP°P¶C†PëPe PrPsP·Pë PSPμ P±CÍPrPμ PIPëP°P·CÍPIP°C,Pë PSP° CËPëCÍPeCÍ PjC-P¶ 2 C- 4.



P'. PkP°C,PëCÍPSC-C,CH PePSPsPìPeCÍ PrP»CÍ PIPëPePsPSP°PSPSCÍ C-PSBË™C"PeC†C-C— PrPs CÍPìPsCËCÍ.

- PìPeC%Ps P· PeC-PSC†PëPeP° PìPsP»PePë P±CÍPrPμ PIPëC...PsPrPëC,Pë C-PSCÍCÍP»C-PS, P'P°CëP° CëPìCËPëC†-CËCÍC†PeP° PìCËP°C†CËC" PìCËP°PIPëP»CHPSPs.



PìPeC%Ps C-PSCÍCÍP»C-PS PSPμ PIPëC...PsPrPëC,CH:

- P'P°Pj PjPsP¶Pμ P±CÍC,Pë PìPsC,CËC-P±PSPs PìPsPIC,PsCËPëC,Pë C†PμPNë PeCËPsPe PrPs 3 CËP°P·C-PI, PìPμCËCë PSC-P¶ P'Pë P·PjPsP¶PμC,Pμ PìPsP±P°C†PëC,Pë C-PSCÍCÍP»C-PS.

- PìPeC%Ps C-PSCÍCÍP»C-PS PSPμ PIPëC...PsPrPëC,PëPjPμ C- PìC-CÍP»CÍ C,CËPμC,CHPsPìPs CËP°P·CÍ, PìPsP»PeP° PjPsP¶Pμ P±CÍC,Pë P·P°P±P»PsPePsPIP°PSP°. PìPeC%Ps C,P°PePμ CÍC,P°PSPμC,CHCÍCÍ:

- P·PjC-PSC-C,CH PìPsP»PeCÍ (PrPëPI. PъP PhPъ 6 C,P° PъP PhPъ 2);

- PìC-CÍP»CÍ C†CHPsPìPs PIPëPePsPSP°PNëC,Pμ C,PμCÍC, PSP° P±PμP·PìPμPeCÍ PìPsPIC,PsCËPSPs (PъP PhPъ 3).

- PìPeC%Ps C- PìC-CÍP»CÍ C†CHPsPìPs C-PSCÍCÍP»C-PS PSPμ PIPëC...PsPrPëC,PëPjPμ P· PeC-PSC†PëPeP° PìPsP»PePë, PSPμ PIPëPePsCËPëCÍC,PsPICÍPNëC,Pμ P'P°CëCÍ CëPìCËPëC†-CËCÍC†PeCÍ. P'PëPePsCËPëCÍC,P°PNëC,Pμ PSPsPICÍ CëPìCËPëC†-CËCÍC†PeCÍ.

- PkC-PePsP»Pë PSPμ PIPëPePsCËPëCÍC,PsPICÍPNëC,Pμ CëPìCËPëC† PrP»CÍ PIC-PrP±PsCËCÍ C-PSCÍCÍP»C-PSCÍ P· P'P°CëPsC— CëPìCËPëC†-CËCÍC†PePë.

PìPeC%Ps P'Pë PìPsP±P°C†PëC,Pμ P±CÍP»CHP±P°CëPePë PìPsPIC-C,CËCÍ

- P'Pë PjPsP¶PμC,Pμ PìPsP±P°C†PëC,Pë P±CÍP»CHP±P°CëPePë PìPsPIC-C,CËCÍ PI C-PSCÍCÍP»C-PSC-. PìPμ PSPsCËPjP°P»CHPSPμ CÍPIPëC%Pμ, PìPsPSPë PSPμ P·P°CëPePsPrCÍC,CH P'P°Pj.

PъP PhPъ 4. PhP±PμCËC-C,CH PrPsP·CÍ.

PkC-PePsP»Pë PSPμ PsP±PëCËP°PNëC,Pμ PrPsP·CÍ C- PSPμ PSP°C,PëCÍPeP°PNëC,Pμ PePSPsPìPeCÍ PrP»CÍ PIPëPePsPSP°PSPSCÍ C-PSBË™C"PeC†C-C— P±PμP· PìCËPëC"PrPSP°PSPsC— PìPsP»PePë. PìPμ PjPsP¶Pμ PìPsCëPePsPrPëC,Pë P'P°CëCÍ CëPìCËPëC†-CËCÍC†PeCÍ.

A. P'PìPμPIPSC-C,CHCÍCÍ CÍ C,PsPjCÍ, C%Ps PìPsP»PeP° PìCËPëC"PrPSP°PSP° PrPs CëPìCËPëC†-CËCÍC†PePë C- C%Ps PìPsPeP°P¶C†PëPe PrPsP·Pë PIPëP°P·CÍC" PSP° B«OB».



B. PhP±PμCḡC,P°PN₂C,Pμ PīPμCḡPμPjPēPeP°C‡ PrP»Cḡ PIPēP±PsCḡCṛ PrPsP·Pē, PīPsPePē PīPsPeP°PḡC‡PēPe PrPsP·Pē PSPμ P±CṛPrPμ PIPeP°P·CṛPIP°C,Pē PSP° PīPsC,CḡC-P±PSCṛ P'P°Pj PrPsP·Cṛ.

- PīPeC%Ps P'Pē PīPsPIPμCḡPSPμC,Pμ PīPμCḡPμPjPēPeP°C‡ PrP°P»C-, PSC-Pḡ P'P°Pj PīPsC,CḡC-P±PSPs, P'Pē PjPsPḡPμC,Pμ PīPsPIPμCḡPSCṛC,Pē PN₂PsPiPs Cṛ P·PIPsCḡPsC,PSPsPjCṛ PSP°PīCḡCḡPjPeCṛ.

- PīPeC%Ps Cṛ P'P°C€C-PN₂ C€PīCḡPēC†-CḡCṛC‡C†C- P·P°P»PēC€PēP»PsCṛCḡ PSPμPrPsCṛC,P°C,PSCḡPs PsPrPēPSPēC†Cḡ PrP»Cḡ P'P°C€PsC— PrPsP·Pē, PīPμCḡPμPjPēPeP°C‡ PrP»Cḡ PIPēP±PsCḡCṛ PrPsP·Pē P·CṛPīPēPSPēC,CḡCṛCḡ PīC-CṛP»Cḡ PSP°P±PsCḡCṛ C,C-C''C— PeC-P»CḡPePsCṛC,C- PsPrPēPSPēC†Cḡ, C%Ps P·P°P»PēC€PēP»PēCṛCḡ Pī C€PīCḡPēC†-CḡCṛC‡C†C-.

- PīPeC%Ps P'Pē PSPμ PjPsPḡPμC,Pμ PSP°P±CḡP°C,Pē PīPsPIPSCṛ PrPsP·Cṛ, PīCḡPēP·PSP°C‡PμPSCṛ P'P°Pj, CḡPsP·PrC-P»C-C,Cḡ C†Cḡ PrPsP·Cṛ PSP° PrPIC-C-PSbḡ™ C''PeC†C-C— P°P±Ps PIPēPePsCḡPēCṛC,P°PN₂C,Pμ PSPsPICṛ C€PīCḡPēC†-CḡCṛC‡PeCṛ.



PīPe P·C‡PēC,CṛPIP°C,Pē PrP°PSC- Cṛ PIC-PePSC- PIC-PrPsP±CḡP°PḡPμPSPSCḡ PrPsP·Pē

PμP°CḡPSC- C‡PēCṛP»P° PīPsPeP°P·CṛCḡC,CḡCṛCḡ PSP° CḡC-PIPSC- PīPsPeP°PḡC‡PēPeP° PrPsP·Pē:



P'CṛC,P°PSPsPIP»PμPSPs PrPsP·Cṛ 30 PsPrPēPSPēC†Cḡ

PḡPμPīP°CḡPSC- C‡PēCṛP»P° PīPsPeP°P·CṛCḡC,CḡCṛCḡ Cṛ PIPēPiP»CḡPrC- CḡPēCṛPsPe PjC-Pḡ PīP°CḡPSPēPjPē C‡PēCṛP»P°PjPē:



P'CṛC,P°PSPsPIP»PμPSPs PrPsP·Cṛ 29 PsPrPēPSPēC†Cḡ

PḡC-P»CḡPeC-CṛC,Cḡ PsPrPēPSPēC†Cḡ C-PSCṛCṛP»C-PSCṛ Cṛ P'P°C€C-PN₂ C€PīCḡPēC†-CḡCṛC‡C†C-

- P'P°C€P° C€PīCḡPēC†-CḡCṛC‡PeP° PjC-CṛC,PēC,Cḡ P·P°PiP°P»PsPj 450 PsPrPēPSPēC†Cḡ C-PSCṛCṛP»C-PSCṛ. P'Pē PjPsPḡPμC,Pμ PsP±PēCḡP°C,Pē PrPsP·Pē PIC-Pr 1 PrPs 80 PsPrPēPSPēC†Cḡ P· PeCḡPsPePsPj Cṛ 1 PsPrPēPSPēC†Cḡ. PḡPsPḡPSP° C€PīCḡPēC†-CḡCṛC‡PeP° PjC-CṛC,PēC,Cḡ P±C-P»CḡC€Pμ PsPrPSC-C''C— PrPsP·Pē.

- P'Pē PjPsPḡPμC,Pμ PīCḡPēP±P»PēP·PSPs PsC†C-PSPēC,Pē, CṛPeC-P»CḡPePē PsPrPēPSPēC†Cḡ C-PSCṛCṛP»C-PSCṛ P·P°P»PēC€PēP»PsCṛCḡ Cṛ C€PīCḡPēC†-CḡCṛC‡C†C-, PīPsPrPēPIPēPIC€PēCṛCḡ, PrPμ P·PSP°C...PsPrPēC,CḡCṛCḡ PīPsCḡC€PμPSCḡ PIC-PrPSPsCṛPSPs C-PSCṛCṛP»C-PSPsPIPsC— C€PeP°P»Pē.

**PİPeC%₀Ps P'Pë PIC-PrC‡Cr"C,Pμ, C%₀Ps P'P°Pj PIP°P¶PePs PSP°C,PëCÍPeP°C,Pë PSP°
PePSPsPİPeCÍ PrP»CII PIPëPePsPSP°PSPSCII C-PSB $\overline{\eta}$ TM C"PeC†C-C—:**

- P—PjC-PSC-C,CH PiPsP»PeCf (PrPëPI. PъP PhPъ 6 C,P° PъP PhPъ 2), PïC-CfP»CЦ C±PsPiPs PIPëPePsPSP°PNëC,Pµ C,PµCfC, PSP° P±PµP·PïPµPeCf (PrPëPI. PъP PhPъ 3).
- PïPeC%Ps P'P°Pj PICfPµ C%Pµ PIP°P¶PePs PSP°C,PëCfPeP°C,Pë PSP° PePSPsPïPeCf, PIC-P·CHPjC-C,CH PSPsPICf CъCfC±PeCf.
- PкC-PePsP»Pë PSPµ PIPëPePsCъPëCfC,PsPICfPNëC,Pµ CëPïCъPëC† PrP»CЦ PIC-PrP±PsCъCf C-PSCfCfP»C-PSCf P· P'P°CëPsC— CëPïCъPëC†-CъCfC±PePë.

РъP PhPъ 6. P'С-Ргвђ™ C"PrPSP°PNëC,Pµ PiPsP»PeCf.

- PµPsPiPsPrCHC,PµCfCЦ P· PiPsP»PeP°PjPë PsP±PµCъPµP¶PSPs, C%PsP± P·P°PïPsP±C-PiC,Pë CfPePsP»P°Pj PiPsP»PePsCъ C- PïPµCъPµC...CъPµCfPSPsPjCf C-PSC,,C-PeCfPIP°PSPSCъ.
- PкC-PePsP»Pë PSPµ PSP°PrCЦPiP°PNëC,Pµ P·PSPsPICf PIPSCfC,CъC-CëPSC-PNë PePsPIPïP°C±PsPe PiPsP»PePë.

A. PкP°PrCЦPiPSC-C,CH P·PsPIPSC-CëPSC-PNë PePsPIPïP°C±PsPe P·PSPsPICf PSP° PiPsP»PeCf C,P° PIC-PrPeCъCfC,C-C,CH P· PNëPsPiPs PrPsPïPsPjPsPiPsCъ PiPsP»PeCf P·C- CëPïCъPëC†-CъCfC±PePë.

- P— PjPµC,PsCъ P·PSPëP¶PµPSPSCЦ CъPëP·PëPeCf PIPëPïP°PrPePsPIPëC... CfPePsP»C-PI PiPsP»PePsCъ PSC-PePsP»Pë PSPµ PSP°PrCЦPiP°PNëC,Pµ PIPSCfC,CъC-CëPSC-PNë PePsPIPïP°C±PsPe PiPsP»PePë.
- PïPeC%Ps C-PSбђ™ C"PeC†C-Cъ P'P°Pj PIPëPePsPSCfC" C-PSCëP° PsCfPsP±P° C±Pë CЦPeC%Ps P'Pë PIPëPePsPSCfC"C,Pµ C-PSбђ™ C"PeC†C-Cъ C-PSCëC-PNë PsCfPsP±C-, C,Ps PsCfPsP±P°, CЦPeP° PIPëPePsPSCfC" C-PSбђ™ C"PeC†C-Cъ, PiPsPIPëPSPSP° PIPëC,CЦPiP°C,Pë C,P° CfC,PëP»C-P·PsPICfPIP°C,Pë PiPsP»PeCf P· PsCfPsP±P»PëPiPsCъ PsP±PµCъPµP¶PSC-CfC,Cъ.
- P"PsC,CъPëPjCfPNëC,PµCfCH CъPµPePsPjPµPSPPrPsPIP°PSPëC... P·P°C...PsPrC-PI P· P±PµP·PïPµPePë PïCъPë PIPëC,CЦPiP°PSPSC- C,P° CfC,PëP»C-P·P°C†C-C— PiPsP»PsPe (P·PIPµCъPSC-C,CHCfCЦ PrPs P'P°CëPsPiPs P»C-PeP°CъCЦ C±Pë PjPµPrPëC±PSPsC— CfPµCfC,CъPë) PrP»CЦ P·PSPëP¶PµPSPSCЦ CъPëP·PëPeCf PIPëPïP°PrPePsPIPëC... CfPePsP»C-PI PiPsP»PePsCъ C,P° PïPµCъPµPrP°C±C- C-PSC,,PµPeC†C-PNëPSPëC... P·P°C...PIPsCъCъPIP°PSCъ.

B. P'PëPePëPSCъC,Pµ PIPëPePsCъPëCfC,P°PSCf PiPsP»PeCf Cf CfC,C-PNëPePëPNë PrPs PïCъPsPePsP»CъPIP°PSCъ PePsPSC,PµPNëPSPµCъ P°P±Ps PIC-PrPïPsPIC-PrPSPs PrPs CъPµPePsPjPµPSPPrP°C†C-PNë P'P°CëPsPiPs P»C-PeP°CъCЦ C±Pë PjC-CfC†PµPIPsiPs CfPïPsPIPSPsPIP°P¶PµPSPsPiPs PsCъPiP°PSCf.



C. PкP°PrCЦPiPSC-C,CH PePsPIPïP°C±PsPe CëPïCъPëC†-CъCfC±PePë PSP°P·P°Pr PSP° CëPïCъPëC†-CъCfC±PeCf.

- PкPµ PeP»P°PrC-C,CH CëPïCъPëC†-CъCfC±PeCf PSP°P·P°Pr Cf C...PsP»PsPrPëP»CHPSPëPe.



P†PSCfC,CъCfPeC†C-C— C%PsPrPs P·P±PµCъC-PiP°PSPSCЦ.

РμРμСђРμРr РiРμСђСђРёРj РiРёРёРsСђРёСђС,Р°РSPSCПj СђРiСђРёСђ-СђСђСђРёРё
Р·Р±РμСђС-РiР°С,Рё Сђ С...РsР»РsРrРёР»СђРSPёРёСђ РiСђРё С,РμРjРiРμСђР°С,СђСђС-В
2Бђ"8 В°Рђ Сђ Р·Р°С...РёС%РμРSPsРjСђ РiС-Рr СђРiС-С,Р»Р° РjС-СђСђС-. РќРμ
Р·Р°РjРsСђРsРПiСђРiР°С,Рё!

РђРμСђРjС-РS РiСђРёРrР°С,РSPsСђС,С- СђРiСђРёСђ-СђСђСђРёРё РiС-СђР»Сђ РiРμСђСђРsРiРs
РiРёРёРsСђРёСђС,Р°РSPSCП Р°Р±Рs СђРiСђРёСђ-СђСђСђРёРё, СђРёСђ Р±РμСђСђС,Сђ Р·
СђРsР±РsСђ СђРё Р·Р°РiР°СђРSCђ: СђРiСђРёСђ-СђСђСђРёРё СђР»С-Рr Р·Р±РμСђС-РiР°С,Рё
РSPμ Р±С-Р»СђСђРμ 42 РrРSC-Рi РiСђРё С,РμРjРiРμСђР°С,СђСђС- РSPμ РiРёС%Рμ 30 В°Рђ
Сђ Р·Р°С...РёС%РμРSPsРjСђ РiС-Рr СђРiС-С,Р»Р° РjС-СђСђС-.

РёРiСђРёСђ-СђСђСђРёСђ, СђРёР° РiРμСђРμР±СђРiР°С" Сђ РiРёРёРsСђРёСђС,Р°РSPSC-, РSPμ
СђР»С-Рr Р·Р±РμСђС-РiР°С,Рё Сђ С...РsР»РsРrРёР»СђРSPёРёСђ. РμС-СђР»Сђ РёРsРПiРSPsС—
С-РSБђ™С"РёСђС-С— РSP° СђРiСђРёСђ-СђСђСђРёСђ СђР»С-Рr Р·РSPsРiСђ РSP°РrСђРiС,Рё
РёРsРiРiР°СђРё Р· РjРμС,РsСђ Р·Р°С...РёСђС,Сђ РiС-Рr СђРiС-С,Р»Р°.

РќРμ РjРsРПiРSP° Р·Р±РμСђС-РiР°С,Рё СђРiСђРёСђ-СђСђСђРёСђ Р· РiСђРёСђ"РrРSP°РSPsСђ РrРs
РSPμС— РiРsР»РёРsСђ.

Р·РёСђРiР»СђР°С,Р°СђС-Сђ СђРiСђРёСђ-СђСђСђРёРё. Р—С- СђРiСђРёСђ-СђСђСђРёРsСђ
СђР»С-Рr РiРsРiРsРrРёС,РёСђСђ РsР±РμСђРμРПiРSPs: РSPμ РjРsРПiРSP° РёРёРrР°С,Рё
СђРiСђРёСђ-СђСђСђРёСђ Р°Р±Рs РiРrР°СђСђС,Рё РSPμСђ РiРs С,РiРμСђРrРёРj
РiРsРiРμСђС...РSCПj. РiРёС%Рs Р°Рj Р·РrР°С"С,СђСђСђС, С%Рs СђРiСђРёСђ-СђСђСђРёСђ
РiРsСёРёРsРrРПiРSPs, РSPμ РSP°РjР°РiР°Р№С,РμСђСђ С—С— РiРsР»Р°РiРsРrРёС,Рё,
РiС-Р·СђРjС-С,Сђ РSPsРiСђ.

Р—Р°С...РёС%Р°СђС,Сђ СђРiСђРёСђ-СђСђСђРёСђ РiС-Рr РiРёР»СђС,Р° Р±СђСђРrСђ:
Р·sРiРSC-СёРSCђ РiРsРiРμСђС...РSCђ СђРiСђРёСђ-СђСђСђРёРё РjРsРПiРSP° РsСђРёС%Р°С,Рё,
РiСђРsС,РёСђР°СђРё С—С— РiРsР»РsРiРsСђ С,РёР°РSPёРSPsСђ. РќРμ
Р·Р°РSCђСђР№С,Рμ Сђ СђС-РrРёРSCђ, РSPμ РiСђРsРjРёРiР°Р№С,Рμ С- РSPμ
Р·РjР°С%СђР№С,Рμ СђРiСђРёСђ-СђСђСђРёСђ, РsСђРёС-Р»СђРёРё СђРμ РjРsРПiРμ С—С—
РiРsСёРёРsРrРёС,Рё.

РjС,РёР»С-Р·Р°СђС-Сђ СђРiСђРёСђ-СђСђСђРёРё.В РμРμСђРμРr СђС,РёР»С-Р·Р°СђС-С"Сђ
СђРiСђРёСђ-СђСђСђРёРё Р·РSC-РjС-С,Сђ Р· РSPμС— РiРsР»РёСђ. Р°РёРёРёРrР°Р№С,Рμ
СђРiСђРёСђ-СђСђСђРёСђ С,Р°Рё, СђРё СђРμРёРsРjРμРSPrРsРiР°РSPs
РjС-СђСђРμРiРёРjРё СђРμРiСђР»СђС,РsСђРSPёРjРё РsСђРiР°РSP°РjРё.

Р"С-С,Рё.

РμСђРμРiР°СђР°С, РђРsРПiРμРs РђРsР»РsРђС,Р°Сђ РjРsРПiРSP° Р·Р°СђС,РsСђРsРiСђРiР°С,Рё
РiС-РrР»С-С,РёР°Рj С- РrС-С,СђРj РiС-РёРsРj РiС-Рr 6 СђРsРёС-Рi РSP° С,РёС... РПμ
РiСђРёРSCђРёРiР°С..., С%Рs С- РrРsСђРsСђР»Рё РiР°СђС-С"РSC,Р°Рj (РrРёРi.
СђРsР·РrС-Р»Рё В«Р°Р°СђРjР°РёРsРёС-РSPμС,РёРёР°В» С,Р°
В«Р°Р°СђРjР°РёРsРrРёРSP°РjС-РёР°В»). РμСђРё РiРμСђРμС...РsРrС- Р·Р±Р°Р·Р»»СђРSPsРiРs
С-РSCђСђР»С-РSCђ РSP° РiСђРμРiР°СђР°С, РђРsРПiРμРs РђРsР»РsР°СђС,Р°Сђ
Р·РjРμРSCёРμРSPSCП РrРsР·Рё Р±Р°Р·Р»»СђРSPsРiРs С,Р° Р±РsР»СђСђРSPsРiРs
С-РSCђСђР»С-РSCђ РSPμРsР±С...С-РrРSPs СђРsР·СђР°С...РsРiСђРiР°С,Рё
С-РSPrРёРiС-РrСђР°Р»СђРSPs, С%РsР± РjС-РSC-РjС-Р·СђРiР°С,Рё СђРёР·РёРё
РiРёРSPёРёРSPμРSPSCП РiС-РiРsРiР»С-С-РёРμРjС-С— (РrРёРi. СђРsР·РrС-Р»

В«PhCfPcP±P»PëPIPsCfC,C- P·P°CfC,PsCfCfPIP°PSPSCfB»).

PuPμCfPμPrPsP·CzPIP°PSPSCf.

PŸPëPjPiC,PsPjPë. PμPμCfPμPrPsP·CfPIP°PSPSCf C-PSCfCfP»C-PSCf PjPsP¶Pμ
PiCfPëP·PIPμCfC,Pë PrPs C,CfP¶PePsC—, P° C-PSPsPrC- C,CfPëPIP°P»PsC—
PiC-PiPsPiP»C-PePμPjC-C—, CfPeP° PjPsP¶Pμ P±CfC,Pë PSPμP±PμP·PiPμCfPSPsCf PrP»Cf
P¶PëC,C,Cf C...PIPsCfPsPiPs.

P>C-PeCfPIP°PSPSCf. P>PμPiPeC- PIPëPiP°PrPePë PiC-PiPsPiP»C-PePμPjC-C— P·P°P·PIPëCfP°PNë
PjPsP¶CfC,Ch P±CfC,Pë CfPePsCfPëPiPsPIP°PSC- PiPμCfPsCfP°P»CHPSPëPj
P·P°CfC,PsCfCfPIP°PSPSCfPj PICfPiP»PμPIPsPrC-PI. PhPsP¶CfC,Ch P±CfC,Pë
PiPsC,CfC-P±PSC- C,P°PePsP¶ PePsCfPμPeCfC-Cf PrPsP·Pë P»C-PeP°CfCfCHPePsPiPs
PiCfPμPiP°CfP°C,Cf, PIPSPμCfPμPSPSCf P·PjC-PS Cf CfPμP¶PëPj C...P°CfCfCfPIP°PSPSCf
CfPë C,,C-P·PëCfPSPsC— P°PeC,PëPIPsCfC,C-.

P'C-P»CHC€ C,CfP¶PeC- PμPiC-P·PsPrPë PiC-PiPsPiP»C-PePμPjC-C—, CfPeC-
CfCfPiCfPsPIPsPrP¶CfCfC,ChCfCf PePsPjPsCf, CfCfPrPsPjP°PjPë P°P±Ps
PSPμPICfPsP»PsPiC-CfPSPëPjPë PiPsCfCfC€PμPSPSCfPjPë, PIPëPjP°PiP°CfC,Ch
PIPSCfC,CfC-C€PSCfPsPjPb™ CfP·PsPIPsPiPs/PiC-PrC€PeC-CfPSPsPiPs PIPμPrPμPSPSCf
PiP»CHPeP°PiPsPSCf P°P±Ps PIPSCfC,CfC-C€PSCfPsPIPsPSPSPsPiPs PIPμPrPμPSPSCf
PePsPSCfPμPSC,CfPsPIP°PSPsPiPs CfPsP·CfPëPSCf PiP»CHPePsP·Pë. PhCfPeC-P»CHPePë
PiC-PiPsPiP»C-PePμPjC-Cf PjPsP¶Pμ PiPsPIC,PsCfPëC,PëCfCf PSP°PIC-C,Ch PiC-CfP»Cf
CfPIPsPiPs PiPsPeCfP°C%P°PSPSCf PeP»C-PSC-CfPSPsPiPs CfC,P°PSCf C...PIPsCfPsPiPs,
PSPμPsP±C...C-PrPSPëPjPë P·P°C...PsPrP°PjPë C" C,CfPëPIP°P»Pμ PiCfPëPNëPjP°PSPSCf
PICfPiP»PμPIPsPrC-PI C- CfPiPsCfC,PμCfPμP¶PμPSPSCf P·P° CfC,P°PSPsPj PiP°CfC-C"PSC,P°.

PuPsP±C-CfPSC- CfPμP°PeCfC-C—.

Pk°PIPμPrPμPSC- PSPëP¶CfPμ PiPsP±C-CfPSC- CfPμP°PeCfC-C— P±CfP»Pë
P·P°CfPμC"CfC,CfPsPIP°PSC- Cf C...PsPrC- PeP»C-PSC-CfPSPëC... PrPsCfP»C-PrP¶PμPSCf,
CfPeC- PiCfPsPIPsPrPëP»PëCfCf P· P·P°CfC,PsCfCfPIP°PSPSCfPj PiCfPμPiP°CfP°C,Cf
PŸPsP¶PμPs PŸPsP»PsPŸC,P°Cf (PrPëPI. CfPsP·PrC-P» B«PαP°CfPjP°PePsPrPëPSP°PjC-PeP°B»),
C,P° Cf CfP°PjPeP°C... PrPsCfPIC-PrCf PeP»C-PSC-CfPSPsPiPs P·P°CfC,PsCfCfPIP°PSPSCf
C-PSCfCfP»C-PSCf PiP»P°CfPiC-PSCfB B B B B 100 PhPr./PjP». P"C-PiPsPiP»C-PePμPjC-Cf,
CfPe PiCfP°PIPëP»Ps, C" PSP°PNëCfP°CfC,C-C€PsCf PiPsP±C-CfPSPsCf CfPμP°PeCfC-C"Cf,
C%Ps CfPiPsCfC,PμCfC-PiP°C"C,ChCfCf PiC-Pr CfP°Cf C-PSCfCfP»C-PSPsC,PμCfP°PiC-C—.
P'PsPSP° PIPëPSPëPeP°C" C,PsPrC-, PePsP»Pë PrPsP·P° PIPμPrPμPSPsPiPs C-PSCfCfP»C-PSCf
PiPμCfPμPIPëC%CfC" PiPsC,CfPμP±Cf Cf PSCfPsPjCf.

PμPsP±C-CfPSC- CfPμP°PeCfC-C—, PiPsPiPb™ CfP·P°PSC- C-P· P·P°CfC,PsCfCfPIP°PSPSCfPj
PiCfPμPiP°CfP°C,Cf, C%Ps CfPiPsCfC,PμCfC-PiP°P»PëCfCf PiC-Pr CfP°Cf
PeP»C-PSC-CfPSPëC... PrPsCfP»C-PrP¶PμPSCf, PSP°PIPsPrCfC,ChCfCf PSPëP¶CfPμ P·P°
PeP°C,PμPiPsCfC-CfPjPë B«PŸPëCfC,PμPjP°-PhCfPiP°PS-PbP»P°CfC» Cf PiPsCfCfPrPeCf
P·PjPμPSC€PμPSPSCf CfP°CfC,PsC,Pë PIPëPSPëPePSPμPSPSCf (PrCfP¶Pμ CfP°CfC,Ps (≥1/10);
CfP°CfC,Ps (≥1/100 бґ" < 1/10); PSPμCfP°CfC,Ps (≥1/1000 бґ" < 1/100); CfC-PrPePs (≥1/10 000
бґ" < 1/1000); PrCfP¶Pμ CfC-PrPePs (< 1/10 000); CfP°CfC,PsC,P° PSPμPIC-PrPsPjP° (PSPμ
PjPsP¶Pμ P±CfC,Pë PsCfC-PSPμPSP° P·P° PrPsCfC,CfPiPSPëPjPë PrP°PSPëPjPë)).

PJ PePsP¶PSC-PN₀ P· C†PëC... PiC¶C†Pï PïPsP±C-C†PSC- C¶PµP°PeC†C-C— PSP°PIPµPrPµPSPs C† PïPsC¶C¶IPrPeC† P·PjPµPSC€PµPSPSC¶ C†C,C†PïPµPSC¶ C—C...PSC¶PsC— C†PµC¶PN₀PsP·PSPsC†C,C-.

P PsP·P»P°PrPë P· P±PsPeCé C-PjCéPSPSPsC— C†PëC†C,PµPjPë. P C-PrPePs: P°P»PµC¶PiC-C†PSC- C¶PµP°PeC†C-C—.

PµPµC,P°P±PsP»C-C†PSC- C,P° P°P»C-PjPµPSC,P°C¶PSC- C¶PsP·P»P°PrPë. P" C†P¶Pµ C†P°C†C,Ps: PiC-PïPsPiP»C-PePµPjC-C¶.

P PsP·P»P°PrPë P· P±PsPeCé PSPµC¶PIPsPIPsC— C†PëC†C,PµPjPë. P" C†P¶Pµ C¶C-PrPePs: PrPëC†PiPµPIP·C-C¶.

P PsP·P»P°PrPë P· P±PsPeCé PsC¶PiP°PSC-PI P·PsC¶Cé. P C-PrPePs: PïPsC¶C†C€PµPSPSC¶ P·PsC¶C†, C¶PµC,PëPSPsPïP°C,C-C¶.

P PsP·P»P°PrPë P· P±PsPeCé C€PeC-C¶Pë C,P° PiC-PrC€PeC-C¶PSPsC— PeP»C-C,PePsPIPëPSPë. P¶P°C†C,Ps: P»C-PïPsPiC-PïPµC¶C,C¶PsC,,C-C¶. P¶PµC†P°C†C,Ps: P»C-PïPsP°C,C¶PsC,,C-C¶. P¶P°C†C,PsC,P° PSPµPIC-PrPsPjP°: P°PjC-P»PsC—PrPsP· C€PeC-C¶Pë.

P PsP·P»P°PrPë P· P±PsPeCé PsPïPsC¶PSPs-C¶CéC...PsPIPsC— C†PëC†C,PµPjPë C,P° C†PïPsP»CéC†PSPsC— C,PeP°PSPëPSPë. P" C†P¶Pµ C¶C-PrPePs: PjC-P°P»PiC-C¶.

PµPsC¶CéC€PµPSPSC¶ P·P°PiP°P»CHPSPsPiPs C†C,P°PSCé C,P° C¶PµP°PeC†C-C— Cé PjC-C†C†C- PIPIPµPrPµPSPSC¶. P¶P°C†C,Ps: C¶PµP°PeC†C-C— C† PjC-C†C†C- C-PSB¶™ C"PeC†C-PN₀PSPsPiPs PIPIPµPrPµPSPSC¶ PiC¶PµPïP°C¶P°C,C†. P C-PrPePs: PSP°P±C¶C¶Pe.

PµPµC,P°P±PsP»C-C†PSC- C,P° P°P»C-PjPµPSC,P°C¶PSC- C¶PsP·P»P°PrPë. P¶C¶P¶PeC- PµPiC-P·PsPrPë PiC-PïPsPiP»C-PePµPjC-C—, PsC†PsP±P»PëPIPs C¶PeC%Ps PIPsPSPë PIPëPSPëPeP°C¶C,CH PSPµPsPrPSPsC¶P°P·PsPIPs, PjPsP¶C†C,CH C†C,P°C,Pë PiC¶PëC†PëPSPsC¶ C†C¶P°P¶PµPSPSC¶ PSPµC¶PIPsPIPsC— C†PëC†C,PµPjPë. P¶C¶PëPIP°P»P° P°P±Ps C,C¶P¶PeP° PiC-PïPsPiP»C-PePµPjC-C¶ PjPsP¶Pµ C†C,P°PSPsPIPëC,Pë P·P°PiC¶PsP·C† PrP»C¶ P¶PëC,C,C¶ C...PIPsC¶PsPiPs.

PJ P±P°PiP°C,CHPsC... PïP°C†C-C" PSC,C-PI C†PëPjPïC,PsPjP°Pj PSPµPrPsC†C,P°C,PSCHPsPiPs PSP°PrC...PsPrP¶PµPSPSC¶ PiP»CHPePsP·Pë PrPs PiPsP»PsPIPsPiPs PjPsP·PeC† (PSPµPN₀C¶PsPiP»C-PePsPiPµPSC-C¶) PiPµC¶PµPrC†C¶C,CH PsP·PSP°PePë P°PrC¶PµPSPµC¶PiC-C†PSPsC— PePsPSC,C¶C¶PµPiC†P»C¶C†C-C—. PïPe PiC¶P°PIPëP»Ps, C†PëPj P±C-P»CHC€Pµ C,P° C€PIPëPrC€Pµ P·PSPëP¶C†C",CHC†C¶ C¶C-PIPµPSC¶ C†C†PeC¶C† PI PeC¶PsPIC-, C,PëPj P±C-P»CHC€ PIPëC¶P°P¶PµPSPsC¶ C" P°PrC¶PµPSPµC¶PiC-C†PSP° PePsPSC,C¶C¶PµPiC†P»C¶C†C-C¶ C,P° C-PSC,PµPSC†PëPIPSC-C€Pµ PiC¶PsC¶PIP»C¶C¶C,CHC†C¶ C†PëPjPïC,PsPjPë, C...P°C¶P°PeC,PµC¶PSC- PrP»C¶ PSPµC—.

P PsP·P»P°PrPë P· P±PsPeC† C-PjC†PSPSPsC— C†PëC†C,PµPjPë. P PµP°PeC†C-C— PiC-PïPµC¶C†C†C,P»PëPIPsC†C,C- PSPµPiP°PN₀PSPsPiPs C,PëPiC† PSP° C-PSC†C†P»C-PS PIPëPSPëPeP°C¶C,CH C¶C-PrPePs. PµC¶PsC¶PIPë C,P°PePëC... C¶PµP°PeC†C-PN₀ PSP° C-PSC†C†P»C-PS (C† C,PsPjC† C†PëC†P»C- PSP° C-PSC†C†P»C-PS PiP»P°C¶PiC-PS) P°P±Ps PrPsPiPsPjC-P¶PSC- C¶PµC†PsPIPëPSPë PjPsP¶C†C,CH P±C†C,Pë, PSP°PiC¶PëPeP»P°Pr, PïPsPiB¶™ C¶P·P°PSC- P· PiPµPSPµC¶P°P»C-P·PsPIP°PSPëPjPë C¶PµP°PeC†C-C¶PjPë P· P±PsPeC† C€PeC-C¶Pë, P°PSPiC-PsPSPµPIC¶PsC,PëC†PSPëPj PSP°P±C¶C¶PePsPj,

PIPIPrPμPSPSCΠ P±CfP»P° PīPsPrC-P±PSPsCḤ PrPs C,P°PePsC— PīCḤPē
P»C-PeCfPIP°PSPSC- PīCḤPμPīP°CḤP°C,PsPj C-PSCfCfP»C-PS PīP»P°CḤPīC-PS 100 PhPr./PjP»
(PIC-PrPīPsPIC-PrPSPs 2,5 % C- 2,8 %).

P—CḤC-PrPeP° C-PSCfCfP»C-PS PjPsPΠPμ PīCḤPēP·PIPpsPrPēC,Pē PrPs PīPsCΠPIPē
PSP°P±CḤCΠPeC-PI, PsCfPsP±P»PēIPs Cḥ PIPēPīP°PrPeP°C..., PePsP»Pē P·P°PIPrCΠPePē
PīPsCfPēP»PμPSPSCḤ C-PSC,PμPSCfPēPIPSPsCfC,C- C-PSCfCfP»C-PSPsC,PμCḤP°PīC-C—
PIPrP°C”C,CHCfCΠ PīPsPeCḤP°C%PēC,Pē PīP»C-PePμPjC-C±PSPēPNē PePsPSC,CḤPsP»CHḤ,
CΠPePēPNē PrPs C†CHPsPiPs PSPμ P±CfPI P°PrPμPePIP°C,PSPēPj.

P”C-C,Pē C,P° PīC-PrP»C-C,PePē.

P’PμP·PīPμPeP° C,P° PμC,,PμPeC,PēPIPSC-CfC,CH PīCḤPμPīP°CḤP°C,Cḥ PŷPsPΠPμPs P±CfP»Pē
PīCḤPsPrPμPjPsPSCfC,CḤPsPIP°PSC- PI PrPsCfP»C-PrPΠPμPSPSC- P·P° CḥCfP°CfC,CḤ
PrC-C,PμPNē PIC-PePsPj PIC-Pr 6 PrPs 18 CḤPsPeC-PI. PšP°CfC,PsC,P°, C,PēPī C-
C,CΠPΠPeC-CfC,CH PīPsP±C-C±PSPēC... CḤPμP°PeC†C-PNē Cḥ PrC-C,PμPNē C” C,P°PePēPjPē
CfP°PjPēPjPē, CΠPe C- PI P·P°PīP°P»CHPSC-PNē PīPsPīCfP»CΠC†C-C— C...PIPSCḤPēC... PSP°
C†CḥPeCḤPsPIPēPNē PrC-P°P±PμC, (PrPēPI. CḤPsP·PrC-P»
B«PαP°CḤPjP°PePsPrPēPSP°PjC-PeP°B»). P”P°PSC- C%PsPrPs P±PμP·PīPμPePē
PeP»C-PSC-C±PSPsPiPs P·P°CfC,PsCfCfPIP°PSPSCΠ PrC-C,CΠPj PIC-PePsPj PrPs 6 CḤPsPeC-PI
PSPμPrPsCfC,CḥPīPSC-.

P†PSC€C- PsCfPsP±P»PēPIC- PīPsPīCfP»CΠC†C-C—. PkP° PsCfPSPsPIC-
CḤPμP·CfP»CHC,P°C,C-PI PeP»C-PSC-C±PSPēC... PrPsCfP»C-PrPΠPμPSCH
PīCḤPsC,,C-P»CH P±PμP·PīPμPePē PīCḤPμPīP°CḤP°C,Cḥ PŷPsPΠPμPs PŷPsP»PsPŷC,P°CḤ
PrP»CΠ PīP°C†C-C”PSC,C-PI P»C-C,PSCHPsPiPs PIC-PeCḥ C,P° PrP»CΠ C...PIPSCḤPēC...
P· PSPēCḤPePsPIPsCḤ PSPμPrPsCfC,P°C,PSC-CfC,CḤ P±CfP»Pē PīPsPrC-P±PSC- PrPs
C,P°PePsPiPs Cḥ P·P°PīP°P»CHPSC-PNē PīPsPīCfP»CΠC†C-C— PīP°C†C-C”PSC,C-PI
(PrPēPI. CḤPsP·PrC-P» B«PαP°CḤPjP°PePsPrPēPSP°PjC-PeP°B»).

PμPsPIC-PrPsPjP»PμPSPSCΠ C%PsPrPs PNēPjPsPIC-CḤPSPēC... PīPsP±C-C±PSPēC...
CḤPμP°PeC†C-PNē. PμPsPIC-PrPsPjP»PμPSPSCΠ PīCḤPs PīC-PrPsP·CḤCḤPIP°PSC-
PīPsP±C-C±PSC- CḤPμP°PeC†C-C— Cḥ PīPμCḤC-PsPr PīC-CfP»CΠ CḤPμC”CfC,CḤP°C†C-C—
C†CHPsPiPs PīCḤPμPīP°CḤP°C,Cḥ C” PIP°PΠP»PēPIPēPj P·P°C...PsPrPsPj. P’PsPSPē PrP°CḤC,CH
P·PjPsPīCḥ PīCḤPsPrPsPIP°CfPIP°C,Pē PePsPSC,CḤPsP»CH P·P°
CfPīC-PIPIC-PrPSPsC€PμPSPSCΠPj PePsCḤPēCfC,CH/CḤPēP·PēPe PīCḤPē
P·P°CfC,PsCfCfPIP°PSPSC- C†CHPsPiPs P»C-PeP°CḤCfCHPePsPiPs P·P°CfPsP±Cḥ.
PḥPμPrPēC±PSPēC... PīCḤP°C†C-PIPSPēPeC-PI PīCḤPsCfCΠC,CH PīPsPIC-PrPsPjP»CΠC,Pē
PīCḤPs P±CḥPrCH-CΠPeC- PīC-PrPsP·CḤCḤPIP°PSC- PīPsP±C-C±PSC- CḤPμP°PeC†C-C—
C±PμCḤPμP· PrPμCḤPΠP°PIPSCḥ CfPēCfC,PμPjCḥ PīPsPIC-PrPsPjP»PμPSCH.

PŷPμCḤPjC-PS PīCḤPēPrP°C,PSPsCfC,C-. 30 PjC-CfCΠC†C-PI.

PŷPμCḤPjC-PS PīCḤPēPrP°C,PSPsCfC,C- C€PīCḤPēC†-CḤCḥCfPePē PīC-CfP»CΠ PīPμCḤC€PsPiPs
PIPēPePsCḤPēCfC,P°PSPSCΠ P°P±Ps C€PīCḤPēC†-CḤCḥCfPePē, CΠPeCḥ P±PμCḤCḥC,CH P·
CfPsP±PsCḤ CΠPe P·P°PīP°CfPSCḥ: C€PīCḤPēC†-CḤCḥCfPePē CfP»C-Pr P·P±PμCḤC-PiP°C,Pē
PSPμ P±C-P»CHC€Pμ 42 PrPSC-PI PīCḤPē C,PμPjPīPμCḤP°C,CḥCḤ- PSPμ PIPēC%Pμ 30 B°Pŷ
Cḥ P·P°C...PēC%PμPSPsPjCḥ PIC-Pr CfPIC-C,P»P° PjC-CfC†C-. PēPīCḤPēC†-CḤCḥCfPeCḥ,
CΠPeP° PīPμCḤPμP±CḥPIP°C” Cḥ PIPēPePsCḤPēCfC,P°PSPSC-, PSPμ CfP»C-Pr

$P \cdot P \pm P_{\mu} C_{\eta} C - P_i P^{\circ} C, P\ddot{e} \text{ } C_r \text{ } C \dots P_s P \gg P_s P_r P\ddot{e} P \gg C H P S P \ddot{e} P e C_r. P_{\mu} C - C \acute{I} P \gg C_{\eta} P e P_s P \P P S P_s C -$
 $C - P S B_{\eta}^{\text{TM}} C'' P e C \dagger C - C - P S P^{\circ} C \acute{e} P i C_{\eta} P \ddot{e} C \dagger - C_{\eta} C_r C \ddagger P e C_r C \acute{I} P \gg C - P_r P \cdot P S P_s P I C_r P S P^{\circ} P_r C_{\eta} P i C, P\ddot{e}$
 $P e P_s P I P i P^{\circ} C \ddagger P_s P e P \cdot P_j P_{\mu} C, P_s C_{\eta} P \cdot P^{\circ} C \dots P \ddot{e} C \acute{I} C, C_r P I C - P_r C \acute{I} P I C - C, P \gg P^{\circ}.$

$P_j P_j P_s P I P \ddot{e} P \cdot P \pm P_{\mu} C_{\eta} C - P_i P^{\circ} P S P S C_{\eta}.$

$P - P \pm P_{\mu} C_{\eta} C - P_i P^{\circ} C, P\ddot{e} \text{ } C_r \text{ } P S P_{\mu} P_r P_s C \acute{I} C, C_r P i P S P_s P_j C_r P_r P \gg C_{\eta} P_r C - C, P_{\mu} P N_{\ddot{e}} P_j C - C \acute{I} C \dagger C -.$

$P_{\mu} P_{\mu} C_{\eta} P_{\mu} P_r P i P_{\mu} C_{\eta} C \acute{e} P \ddot{e} P_j P I P \ddot{e} P e P_s C_{\eta} P \ddot{e} C \acute{I} C, P^{\circ} P S P S C_{\eta} P_j C \acute{e} P i C_{\eta} P \ddot{e} C \dagger - C_{\eta} C_r C \ddagger P e P \ddot{e}$
 $P \cdot P \pm P_{\mu} C_{\eta} C - P_i P^{\circ} C, P\ddot{e} \text{ } C_r \text{ } C \dots P_s P \gg P_s P_r P\ddot{e} P \gg C H P S P \ddot{e} P e C_r P i C_{\eta} P \ddot{e} C, P_{\mu} P_j P i P_{\mu} C_{\eta} P^{\circ} C, C_r C_{\eta} C - 2 B_{\eta}'' 8$
 $B^{\circ} P \ddot{Y} \text{ } C_r \text{ } P \cdot P^{\circ} C \dots P \ddot{e} C \% P_{\mu} P S P_s P_j C_r P I C - P_r C \acute{I} P I C - C, P \gg P^{\circ} P_j C - C \acute{I} C \dagger C -. P \acute{K} P_{\mu}$
 $P \cdot P^{\circ} P_j P_s C_{\eta} P_s P \P C_r P I P^{\circ} C, P\ddot{e}!$

$P \ddot{e} P i C_{\eta} P \ddot{e} C \dagger - C_{\eta} C_r C \ddagger P e P^{\circ} P i C - C \acute{I} P \gg C_{\eta} P i P_{\mu} C_{\eta} C \acute{e} P_s P i P_s P I P \ddot{e} P e P_s C_{\eta} P \ddot{e} C \acute{I} C, P^{\circ} P S P S C_{\eta} P^{\circ} P \pm P_s$
 $C \acute{e} P i C_{\eta} P \ddot{e} C \dagger - C_{\eta} C_r C \ddagger P e P^{\circ}, C_{\eta} P e C_r P \pm P_{\mu} C_{\eta} C_r C, C H P \cdot C \acute{I} P_s P \pm P_s C_{\eta} C_{\eta} P e P \cdot P^{\circ} P i P^{\circ} C \acute{I} P S C_r:$
 $P_r P \ddot{e} P I. C_{\eta} P_s P \cdot P_r C - P \gg B \ll P \ddot{Y} P_{\mu} C_{\eta} P_j C - P S P i C_{\eta} P \ddot{e} P_r P^{\circ} C, P S P_s C \acute{I} C, C - B \gg.$

$P \acute{K} P_{\mu} C \acute{I} C \acute{z} P_j C - C \acute{I} P S C - C \acute{I} C, C H.$

$P_{\mu} C_{\eta} P_{\mu} P i P^{\circ} C_{\eta} P^{\circ} C, P \ddot{Y} P_s P \P P_{\mu} P_s P \ddot{Y} P_s P \gg P_s P \ddot{Y} C, P^{\circ} C_{\eta} P S P_{\mu} P_j P_s P \P P S P^{\circ} P \cdot P_j C - C \acute{e} C_r P I P^{\circ} C, P\ddot{e} P \cdot$
 $P \P P_s P_r P S P \ddot{e} P_j C - P S C \acute{e} P \ddot{e} P_j P i C_{\eta} P_{\mu} P i P^{\circ} C_{\eta} P^{\circ} C, P_s P_j C - P S C \acute{I} C_r P \gg C - P S C_r C \ddagger P \ddot{e} P \cdot C - P S C \acute{e} P \ddot{e} P_j P \ddot{e}$
 $P \gg C - P e P^{\circ} C_{\eta} C \acute{I} C H P e P \ddot{e} P_j P \ddot{e} P \cdot P^{\circ} C \acute{I} P_s P \pm P^{\circ} P_j P \ddot{e} P^{\circ} P \pm P_s C_{\eta} P_s P \cdot P I P_s P_r P \ddot{e} C, P\ddot{e} P S P \ddot{e} P_j P \ddot{e}.$
 $P - P_j C - C \acute{e} C_r P I P^{\circ} P S P S C_{\eta} P \cdot C - P S C \acute{e} P \ddot{e} P_j P \ddot{e} P i C_{\eta} P_{\mu} P i P^{\circ} C_{\eta} P^{\circ} C, P^{\circ} P_j P \ddot{e} P^{\circ} P \pm P_s$
 $C_{\eta} P_s P \cdot P I P_{\mu} P_r P_{\mu} P S P S C_{\eta} C \dagger C H P_s P i P_s P i C_{\eta} P_{\mu} P i P^{\circ} C_{\eta} P^{\circ} C, C_r P \cdot P_j C - P S C_{\eta} C'' P N_{\ddot{e}} P_s P i P_s$
 $P i C_{\eta} P_s C,, C - P \gg C H P_r C - C - C_r C \ddagger P^{\circ} C \acute{I} C -, P^{\circ} P \cdot P_j C - C \acute{e} C_r P I P^{\circ} P S P S C_{\eta} P \cdot C - P S C \acute{e} P \ddot{e} P_j P \ddot{e}$
 $P i C_{\eta} P_{\mu} P i P^{\circ} C_{\eta} P^{\circ} C, P^{\circ} P_j P \ddot{e} P i C_{\eta} P \ddot{e} P \cdot P I P_s P_r P \ddot{e} C, C H P_r P_s C_r C, P I P_s C_{\eta} P_{\mu} P S P S C_{\eta} P_s C \acute{I} P^{\circ} P_r C_r.$

$P_j P i P^{\circ} P e P_s P I P e P^{\circ}.$ $B,, - 1, B,, - 3, B,, - 5: P i P_s 1, 5 P_j P \gg C_r P e P^{\circ} C_{\eta} C, C_{\eta} P \ddot{e} P_r P \P C -,$
 $P I P_j P_s P S C, P_s P I P^{\circ} P S P_s P_j C_r P I P_s P_r P S P_s C_{\eta} P^{\circ} P \cdot P_s P I C_r C \acute{e} P i C_{\eta} P \ddot{e} C \dagger - C_{\eta} C_r C \ddagger P e C_r; P i P_s 1, 3 P^{\circ} P \pm P_s$
 $5 C \acute{e} P i C_{\eta} P \ddot{e} C \dagger - C_{\eta} C_r C \ddagger P_s P e P I P e P^{\circ} C_{\eta} C, P_s P S P S C - P N_{\ddot{e}} P e P_s C_{\eta} P_s P \pm C \dagger C -. P'' P_s P \gg P e P \ddot{e} P I$
 $C_r P i P^{\circ} P e P_s P I P e C_r P S P_{\mu} P I P e P \gg C_{\eta} C \ddagger P_{\mu} P S C -.$

$P_{\eta} P^{\circ} C, P_{\mu} P i P_s C_{\eta} C - C_{\eta} P I C - P_r P i C_r C \acute{I} P e C_r.$ $P - P^{\circ} C_{\eta} P_{\mu} C \dagger P_{\mu} P i C, P_s P_j.$

$P' P \ddot{e} C_{\eta} P_s P \pm P S P \ddot{e} P e.$ $P \ddot{Y} P^{\circ} P S P_s C,, C - - P_{\eta} P I P_{\mu} P S C, C - C \acute{I} P'' P_s P N_{\ddot{e}} C \ddagger P \gg P^{\circ} P S P_r P'' P_j P \pm P \acute{I},$
 $P \acute{K} C - P_j P_{\mu} C \ddagger C \ddagger P \ddot{e} P S P^{\circ}.$

$P_{\eta} C - C \acute{I} C \dagger P_{\mu} P \cdot P S P^{\circ} C \dots P_s P_r P \P P_{\mu} P S P S C_{\eta} P I P \ddot{e} C_{\eta} P_s P \pm P S P \ddot{e} P e P^{\circ} C, P^{\circ} P N_{\ddot{e}} P_s P i P_s$
 $P^{\circ} P_r C_{\eta} P_{\mu} C \acute{I} P^{\circ} P_j C - C \acute{I} C \dagger C_{\eta} P i C_{\eta} P_s P I P^{\circ} P_r P \P P_{\mu} P S P S C_{\eta} P_r C - C_{\eta} P \gg C H P S P_s C \acute{I} C, C -.$
 $P' C_{\eta} C_{\eta} P S C - P S P i C \acute{e} C, C_{\eta} P^{\circ} C \acute{I} C \acute{I} P_{\mu} 50, P \dagger P S P_r C_r C \acute{I} C, C_{\eta} C - P i P^{\circ} C_{\eta} P e P \acute{I} C H P_s C \dots C \acute{I} C,, 65926$
 $P \acute{x} C_{\eta} P^{\circ} P S P e C,, C_r C_{\eta} C, - P S P^{\circ} - P_{\eta} P^{\circ} P N_{\ddot{e}} P S C -, P \acute{K} C - P_j P_{\mu} C \ddagger C \ddagger P \ddot{e} P S P^{\circ}.$