

P·PSP°C...PsPrPëC,CHCÍCЦ CÍ CÍC,PsPIP±CíCЦ- PjPsP·PeCí.
P"РµPеCÍPjPµPrPµC,PsPjC-PrPëPS C±PëPSPëC,CH P°PSP°P»PiPµC,PëC±PSCí C-
P°PSPµCÍC,РµC,PëPePs/P°PSP°P»PiPµC,PëPePsP·P±PµCЦ- PiP°CЦC±Cí PrC-C—. P'PiP»PëPI PSP°
CÍPµCЦC±PµPIPs-CÍCíPrPëPSPSCí CÍPëCÍC,РµPjCí P·P°P»PµP¶PëC,CH PIC-Pr PrPsP·Pë;
PiCЦPë P±C-P»CHC€ PSPëP·CHPePëC... C€PIPëPrPePsCÍC,ЦЦC... C-PSC,,CíP·C-C—
PrPsPjC-PSCíC" C±PµPSC,CЦP°P»CHPSP° PrC-CЦ, C%Ps P·CíPjPsPIP»CЦC"
P·PSPëP¶PµPSPSCЦ C±P°CÍC,PsC,Pë CÍPµCЦC±PµP±PëC,C,ЦЦ C,P°
P°CЦC,РµCЦC-P°P»CHPSPsPiPs C,PëCÍPëCí. PµCЦPë P±C-P»CHC€ PIPëCÍPsPePëC...
PrPsP·P°C... PiPµCЦPµPIP°P¶P°CЦC,CH PiPµCЦPëC,,PµCЦPëC±PSC-
CÍCíPrPëPSPsP·PICíP¶CíPIP°P»CHPSC- РµC,,PµPеC,Pë, C%Ps CÍPiCЦPëC±PëPSCЦC"
PiC-PrPIPëC%PµPSPSCЦ CÍPëCÍC,РµPjPSPsPiPs CÍCíPrPëPSPSPsPiPs PsPiPsCЦCí C,P°
P°CЦC,РµCЦC-P°P»CHPSPsPiPs C,PëCÍPëCí, C,PsPrC- CЦPe P±CЦP°PrPëPeP°CЦPrPëC±PSPëPµ
PµC,,PµPеC, CÍC,P°C" P±C-P»CHC€ PIPëCЦP°P¶PµPSPëPj. P"РµPеCÍPjPµPrPµC,PsPjC-PrPëPS
PiCЦP°PеC,PëC±PSPs PSPµ C±PëPSPëC,CH PiCЦPëPiPSC-C±CíPIP°P»CHPSPsC— PrC-C— PSP°
PrPëC...P°P»CHPSCí CÍPëCÍC,РµPjCí PiCЦPë P·P°CÍC,PsCÍCíPIP°PSPSC- CЦPe
PjPsPSPsC,РµCЦP°PiC-C— P·PrPsCЦPsPIPëPj PrPsP±CЦPsPIPsP»CHC±CЦPj.

*CPµPrP°C±C-CЦ PrPsCЦPsCÍP»PëC... PiP°C±C-C"PSC,C-PI, CЦPeC- PiPµCЦPµP±C±PIP°CЦC,CH
C±PIC-PrPrC-P»PµPSPSCЦC... C-PSC,РµPSCÍPëPIPSPsC— C,РµCЦP°PiC-C—*

Pj PiP»P°C±PµP±PsPePsPSC,CЦPsP»CHPsPIP°PSPëC... PrPsCÍP»C-PrP¶PµPSPSCЦC... Cí
PiP°C±C-C"PSC,C-PI, C%Ps P·PSP°C...PsPrPëP»PëCÍCH Cí
PiC-CÍP»CЦPsPiPµCЦP°C±C-PµPSPsPjCí PIC-PrPrC-P»PµPSPSC- C-PSC,РµPSCÍPëPIPSPsC—
C,РµCЦP°PiC-C—, PiPsPiPµCЦPµPrPSCµPs C-PSC,CíP±PsPIP°PSPëC... C,P°
CÍPµPrPsPIP°PSPëC... P·P° PrPsPiPsPjPsPiPsCµ PjC-PrP°P·PsP»P°PjCí P°P±Ps
PiCЦPsPiPsC,,PsP»Cí, PrPµPеCÍPjPµPrPµC,PsPjC-PrPëPS P·PSP°C±PSPs P·PSPëP¶CíPIP°PI
PiPsC,CЦPµP±Cí CЦPe Cí PrPsPrP°C,PePsPIC-Pµ CÍPµPrP°C±C-C— (PjC-PrP°P·PsP»P°Pj P°P±Ps
PiCЦPsPiPsC,,PsP») C,P°Pe C- PI PsPiC-PsC—PrP°C... PiC-Pr C±P°CÍ CÍPµPrP°C±C-C—
PiCЦPsC,CЦPiPsPj 24 PiPsPrPëPS. P'·C-P»CHC€C-CÍC,CH PiP°C±C-C"PSC,C-PI, CЦPeC-
PsC,CЦPëPjCíPIP°P»Pë PrPµPеCÍPjPµPrPµC,PsPjC-PrPëPS, PSPµ PiPsC,CЦPµP±CíPIP°P»Pë
PrPsPrP°C,PePsPIPsPiPs CÍPµPrP°C,PëPIPSPsPiPs P»C-PeCíPIP°PSPSCЦ. PµP°C±C-C"PSC,Pë
PjPsPiP»Pë P±CíC,Pë CíCÍPiC-C€PSPs РµPеCÍC,CíP±PsPIP°PSC- P±PµP·
PiCЦPëPiPëPSPµPSPSCЦ C-PSC,,CíP·C-C— PrPµPеCÍPjPµPrPµC,PsPjC-PrPëPSCí.
P"PsCÍP»C-PrP¶PµPSPSCЦ, PiCЦPsPIPµPrPµPSC- P·P° PjPµP¶P°PjPë PIC-PrPrC-P»PµPSPSCЦ
C-PSC,РµPSCÍPëPIPSPsC— C,РµCЦP°PiC-C—, PiC-PrC,PIPµCЦPrPëP»Pë, C%Ps
PrPµPеCÍPjPµPrPµC,PsPjC-PrPëPS PjPsP¶PSP° P±PµP·PiPµC±PSPs PIPiPsPrPëC,Pë
PiP°C±C-C"PSC,P°Pj P±PµP· C-PSC,CíP±P°C±C-C— C,CЦP°C...PµC— PiCЦPë
PSP°CЦPIPSPsCÍC,C- CíPjPsPI PrP»CЦ P°PrPµPеPIP°C,PSPsPiPs PjPsPSC-C,PsCЦPëPSPiCí.

P"РµPеCÍPjPµPrPµC,PsPjC-PrPëPS P±CíPI P°PSP°P»PsPiC-C±PSPëPj PjC-PrP°P·PsP»P°PjCí
(CÍPiC-PIPIC-PrPSPsC€PµPSPSCЦ CЦPëP·PëPeC-PI 1,07; 95 % P"Pt [PrPsPIC-CЦC±PëPµ
C-PSC,РµCЦPIP°P»]: 0,971, 1,176) C,P° PiCЦPsPiPsC,,PsP»Cí (CÍPiC-PIPIC-PrPSPsC€PµPSPSCЦ
CЦPëP·PëPeC-PI 1,00; 95 % P"Pt: 0,922, 1,075) P·P° C±P°CÍPsPj PiPµCЦPµP±CíPIP°PSPSCЦ Cí
C±C-P»CHPsPIPsPjCí PrC-P°PiP°P·PsPSC- CÍPµPrP°C±C-C— Cí PiPµCЦPµPIP°P¶PSPs
C,РµCЦP°PiPµPIC,PëC±PSPëC... PiP°C±C-C"PSC,C-PI PIC-PrPrC-P»PµPSPSCЦ
C-PSC,РµPSCÍPëPIPSPsC— C,РµCЦP°PiC-C—, CЦPeC- PiPsC,CЦPµP±CíPIP°P»Pë
C,CЦPëPIP°P»PsC— CÍPµPrP°C±C-C— PIC-Pr P»PµPiPePsC— PrPs PiPsPjC-CЦPSPsC—
C-PSC,РµPSCÍPëPIPSPsCíC,C- (RASS PIC-Pr 0 PrPs вЦ"3) PrPs 14 PrPSC-PI;
CÍPePsCЦPsC±CíPIP°PI C,CЦPëPIP°P»C-CÍC,CH C€C,CíC±PSPsC— PIPµPSC,PëP»CЦC±C-C—
P»PµPiPµPSCµ (PëP'P) PiPsCЦC-PIPSЦPSPs P· PjC-PrP°P·PsP»P°PjPsPj C-
CÍPePsCЦPsC±CíPIP°PI C±P°Cí PrPs РµPеCÍC,CíP±P°C±C-C— C,CЦP°C...PµC—

PiPsC7C-PIPSC7PSPs P· PjC-PrP°P·PsP»P°PjPsPj C,P° PiC7PsPiPsC,,PsP»PsPj.
PμPsC7C-PIPSC7PSPs P· PiC7PsPiPsC,,PsP»PsPj C- PjC-PrP°P·PsP»P°PjPsPj, PiP°C†C-C" PSC,Pë
P»PμPiC€Pμ PiC7PsPePëPrP°P»PëC†C7C, PeC7P°C%oPμ C†PiC-PIPiC7P°C†C7PIP°P»Pë P·
PjPμPrPëC†PSPëPj PiPμC7C†PsPSP°P»PsPj C- PeC7P°C%oPμ PjPsPiP»Pë PiPsPIC-PrPsPjPëC,Pë,
C†Pë PIC-PrC†C†PIP°C7C,CH PIPsPSPë P±C-P»CH. PJ PiP°C†C-C" PSC,C-PI, C7PeC-
PsC,C7PëPjC†PIP°P»Pë PrPμPeC†PjPμPrPμC,PsPjC-PrPëPS, C†P°C†C,C-C€Pμ
PIC-PrP·PSP°C†P°P»PëC†C7C P°C7C,PμC7C-P°P»CHPSP° PiC-PiPsC,PμPSP·C-C7C C-
P±C7P°PrPëPeP°C7PrC-C7C, P°P»Pμ C7C-PrC€Pμ C,P°C...C-PeP°C7PrC-C7C,
PiPsC7C-PIPSC7PSPs P· PiP°C†C-C" PSC,P°PjPë, C7PeC- PsC,C7PëPjC†PIP°P»Pë
PjC-PrP°P·PsP»P°Pj, C,P° C†P°C†C,C-C€Pμ C7PsP·PIPëPIP°P»P°C†C7C
C,P°C...C-PeP°C7PrC-C7C, P°P»Pμ C†P°C†C,PsC,P° C7PsP·PIPëC,PeC†
P°C7C,PμC7C-P°P»CHPSPsC— PiC-PiPsC,PμPSP·C-C— P±C†P»P° C†C...PsP¶P°
PiPsC7C-PIPSC7PSPs P· PiP°C†C-C" PSC,P°PjPë, C7PeC- PsC,C7PëPjC†PIP°P»Pë
PiC7PsPiPsC,,PsP». PhC†C-PSC7PIP°PSPSC7C P·P° C€PeP°P»PsC7 P7PμC,PsPrC†
PsC†C-PSPePë C†PiP»C†C,P°PSPsC†C,C- C†PIC-PrPsPjPsC†C,C- C†
PIC-PrPrC-P»PμPSPSC- C-PSC,PμPSC†PëPIPSPsC— C,PμC7P°PiC-C— (CAM-ICU)
P·P°C†PIC-PrC†PëP»Ps, C%oPs C†P°C†C,PsC,P° C7PsP·PIPëC,PeC† PrPμP»C-C7C-C7C C†
PiP°C†C-C" PSC,C-PI, C7PeC- PsC,C7PëPjC†PIP°P»Pë PrPμPeC†PjPμPrPμC,PsPjC-PrPëPS,
P±C†P»P° PSPëP¶C†PsC7 PiPsC7C-PIPSC7PSPs P· PjC-PrP°P·PsP»P°PjPsPj, P°
PSPμP±P°P¶P°PSC- C7PIPëC%oP°, PiPsPIB7™ C7P·P°PSC- P· PrPμP»C-C7C-C" Pj,
C7PsP·PIPëPIP°P»PëC†C7C C7C-PrC€Pμ PI PiC7C†PiC-
PrPμPeC†PjPμPrPμC,PsPjC-PrPëPSC† PiPsC7C-PIPSC7PSPs P· PiC7PsPiPsC,,PsP»PsPj.
PÿC- PiP°C†C-C" PSC,Pë, C7PePëPj PiC7PëPiPëPSPëP»Pë C†PμPrP°C†C-C7C C†PμC7PμP·
PSPμPrPsC†C,P°C,PSC-PMë C—C— C7C-PIPμPSC7C, P±C†P»Pë PiPμC7PμPIPμPrPμPSC-
PSP° PiC7PsPiPsC,,PsP» P°P±Ps PjC-PrP°P·PsP»P°Pj. P PëP·PëPe
PSPμPrPsC†C,P°C,PSC7PsPiPs C7C-PIPSC7C C†PμPrP°C†C-C— P±C†PI PIPëC%oPëPMë C†
PiP°C†C-C" PSC,C-PI, C7PePëC... P±C†P»Ps PIP°P¶PePs PIPμC†C,Pë PI C†C,P°PS
C†PμPrP°C†C-C— C†C,P°PSPrP°C7C,PSPëPjPë PjPμC,PsPrP°PjPë
P±PμP·PiPsC†PμC7PμPrPSC7C7Ps PiPμC7PμPr PiPμC7PμC...PsPrPsPj PSP° C-PSC€PëPMë
PjPμC,PsPr.

P°PsPeP°P·Pë PμC,,PμPeC,PëPIPSPsC†C,C- C† PiPμPrC-P°C,C7PëC†PSC-PMë PiC7C†PiC-
P±C†P»Pë PsC,C7PëPjP°PSC- PI PrPsC†P»C-PrP¶PμPSPSC- P· PePsPSC,C7PsP»PμPj PrPsP·Pë,
PiC7PsPiPμPrPμPSPsPjC† C† PIC-PrPrC-P»PμPSPSC- C-PSC,PμPSC†PëPIPSPsC—
C,PμC7P°PiC-C— C†PμC7PμPr PIPμP»PëPePsC— PiC7C†PiPë
PiC-C†P»C7PsPiPμC7P°C†C-PMëPSPëC... PiP°C†C-C" PSC,C-PI PIC-PePsPj PIC-Pr 1
PjC-C†C7C†C7C PrPs ≤ 17 C7PsPeC-PI. PμC7PëP±P»PëP·PSPs 50 % PiP°C†C-C" PSC,C-PI, C7PeC-
PsC,C7PëPjC†PIP°P»Pë PrPμPeC†PjPμPrPμC,PsPjC-PrPëPS, PSPμ PiPsC,C7PμP±C†PIP°P»Pë
PrPsPrP°C,PePsPiPsC— C†PμPrP°C†C-C— P·P° PrPsPiPsPjPsPiPsC7 PjC-PrP°P·PsP»P°PjC† PiC-Pr
C†P°C† PiPμC7C-PsPrC† P»C-PeC†PIP°PSPSC7C, C7PePμ C,C7PëPIP°P»Ps PI
C†PμC7PμPrPSC7C7PsPjC† 20,3 PiPsPrPëPSPë C,P° PSPμ PiPμC7PμPIPëC%oC†PIP°P»Ps 24
PiPsPrPëPS. P"°PSC- C%oPsPrPs P»C-PeC†PIP°PSPSC7C P»C-PeP°C7C†C7C7PePëPj
P·P°C†PsP±PsPj PiPsPSP°Pr 24 PiPsPrPëPS PSPμPrPsC†C,C†PiPSC-. P"°PSC- C%oPsPrPs
PSPsPiPsPSP°C7PsPrP¶PμPSPëC... PrC-C,PμPMë (28B7"44 C,PëP¶PSC- PiPμC†C,P°C†C-C—)
PsP±PjPμP¶PμPSC- C- C†C,PsC†C†C7C,CHC†C7C P»PëC€Pμ PSPëP·CHPePëC... PrPsP·
(≤ 0,2 PjPePi/PePi/PiPsPr) (PrPëPI. C7PsP·PrC-P»Pë B«PαP°C7PjP°PePsPeC-PSPμC,PëPeP°B»,
B«PhC†PsP±P»PëPiPsC†C,C- P·P°C†C,PsC†C†PIP°PSPSC7C7B»). PkPsPiPsPSP°C7PsPrP¶PμPSC-
PjPsP¶C†C,CH P±C†C,Pë PsC†PsP±P»PëPiPs C†C†C,P»PëPIC- PrPs
P±C7P°PrPëPeP°C7PrPëC†PSPëC... PμC,,PμPeC,C-PI PrPμPeC†PjPμPrPμC,PsPjC-PrPëPSC†

PiCḡPë PSP°CḡPIPSPsCíC,C- PiC-PiPsC, PḡCḡPjC-C— C- PI CíPjPsPIP°C..., PePsP»Pë
CíPḡCḡCḡPḡPIPëPNḡ CḡPëC,Pj P·P°P»PḡPḡPëC,CH PIC-Pr CíPḡCḡCḡPḡPIPSPiPs PIPëPePëPrCí.

Pj PiPsPrPIC-PNḡPSPs CíP»C-PiPëC... PiP»P°CḡPḡP±PsPePsPSC,CḡPsP»CHḡPsPIP°PSPëC...
PrPsCíP»C-PrPḡPḡPSPSCḡC..., PiCḡPsPIPḡPrPḡPSPëC... Cí PIC-PrPrC-P»PḡPSPSCḡC...
C-PSC,PḡPSCíPëPIPSPsC— C,PḡCḡP°PiC-C—, CḡP°CíC,PsC,P° CíCíPiCḡPḡCíC-C—
PePsCḡC,PëP·PsP»Cí Cí PiP°CḡC-C°PSC,C-PI, CḡPeC- PsC,CḡPëPjCíPPIP°P»Pë
PrPḡPeCíPjPḡPrPḡC,PsPjC-PrPëPS (n = 778), CíC,P°PSPsPIPëP»P° 0,5 % PiPsCḡC-PIPSCḡPSPs P·
0 % Cí PiP°CḡC-C°PSC,C-PI, CḡPeC- PsC,CḡPëPjCíPPIP°P»Pë PjC-PrP°P·PsP»P°Pj (n = 338),
P°P±Ps PiCḡPsPiPsC,,PsP» (n = 275). PḡPḡPSPḡP±P°PḡP°PSPḡ CḡPIPëCḡḡPḡ P±CíP»Ps
P·P°C,,C-PeCíPsPIP°PSPḡ CḡPe P»PḡPiPePḡ PI 1 PIPëPiP°PrPeCí C,P° CíPḡCḡPḡPrPSCḡPsC—
C,CḡPḡPePsCíC,C- bḡ“ Cí 3 PIPëPiP°PrPeP°C....

PḡCḡPsCḡPḡPrCḡCḡPSP° CíPḡPrP°CḡC-Cḡ / CíPḡPrP°CḡC-Cḡ Cḡ CíPIC-PrPsPjPsCíC,C-

PḡPḡP·PiPḡPeCí C,P° PḡC,,PḡPeC,PëPIPSC-CíC,CH PrPḡPeCíPjPḡPrPḡC,PsPjC-PrPëPSCí PrP»Cḡ
CíPḡPrP°CḡC-C— PiP°CḡC-C°PSC,C-PI, CḡPePëPj PSPḡ PiCḡPsPIPSPPrPëP»Pë
C-PSC,CíP±P°CḡC-Cḡ, PrPs C-/P°P±Ps PiC-Pr CḡP°Cí C...C-CḡCíCḡPiC-CḡPSPëC... C-
PrC-P°PiPSPsCíC,PëCḡPSPëC... PiCḡPsCḡPḡPrCíCḡ PsCḡC-PSCḡPIP°P»Pë Cí PrPIPSPsC...
CḡP°PSPPrPsPjC-P·PsPIP°PSPëC... PiPsPrPIC-PNḡPSPs CíP»C-PiPëC...
PiP»P°CḡPḡP±PsPePsPSC,CḡPsP»CHḡPsPIP°PSPëC... P±P°PiP°C,PsCḡPḡPSC,CḡPsPIPëC...
PeP»C-PSC-CḡPSPëC... PrPsCíP»C-PrPḡPḡPSPSCḡC....

Pj PrPsCíP»C-PrPḡPḡPSPSC- 1 CḡP°PSPPrPsPjC-P·CíPIP°P»Pë PiP°CḡC-C°PSC,C-PI, CḡPeC-
PiCḡPsC...PsPrPëP»Pë PiP»P°PSPsPIC- C...C-CḡCíCḡPiC-CḡPSC-
PsPiPḡCḡP°CḡC—/PiCḡPsCḡPḡPrCíCḡPë PiC-Pr PePsPSC,CḡPsP»CHḡPsPIP°PSPsCḡ
P°PSPḡCíC,PḡP·C-C°Cḡ C- P»PsPeP°P»CHḡPSPsCḡ/CḡPḡPiC-PsPSP°CḡPSPsCḡ
P°PSPḡCíC,PḡP·C-C°Cḡ, PrP»Cḡ PsC,CḡPëPjP°PSPSCḡ PSP°PIP°PSC,P°PḡCíPPIP°P»CHḡPSPsC—
C-PSC,,CíP·C-C— PrPḡPeCíPjPḡPrPḡC,PsPjC-PrPëPSCí 1 PjPePi/PePi (n = 129) P°P±Ps 0,5
PjPePi/PePi (n = 134) P°P±Ps PiP»P°CḡPḡP±Ps (C,,C-P·C-PsP»PsPiC-CḡPSPëPNḡ CḡPsP·CḡPëPS; n =
63) PIPiCḡPsPrPsPIPḡ 10 C...PIPëP»PëPS, PiC-CíP»Cḡ CḡPsPiPs PiCḡPsPIPSPPrPëP»Pë
PiC-PrC,CḡPëPjCíPPIP°P»CHḡPSCí C-PSC,,CíP·C-Cḡ, CḡPeP° PiPsCḡPëPSP°P»P°CíCḡ P· PrPsP·Pë
0,6 PjPePi/PePi/PiPsPr.

P°PsP·Cí PiC-PrC,CḡPëPjCíPPIP°P»CHḡPSPsC— C-PSC,,CíP·C-C— PrPsCíP»C-PrPḡCíPPIP°PSPsPiPs
P»C-PeP°CḡCíCḡPePsPiPs P·P°CíPsP±Cí C,PëC,CḡCíPPIP°P»Pë PIC-Pr 0,2 PjPePi/PePi/PiPsPr
PrPs 1 PjPePi/PePi/PiPsPr. PḡP°CíC,PeP° PiP°CḡC-C°PSC,C-PI, CḡPeC- PrPsCíCḡPiP»Pë
CḡC-P»CHḡPsPIPSPiPs CḡC-PIPSCḡ CíPḡPrP°CḡC-C— (≤ 4 P·P° CḡPeP°P»PsCḡ PsCḡC-PSPePë
P°PeC,PëPIPSPsCíC,C- C- CíPḡPrP°CḡC-C—) P±PḡP· PiPsC,CḡPḡP±Pë PrPsPrP°C,PePsPIPSPiPs
PIPIPḡPrPḡPSPSCḡ PrPsP·Pë PjC-PrP°P·PsP»P°PjCí, CíC,P°PSPsPIPëP»P° 54 % Cí PiCḡCíPiC-
P·P°CíC,PsCíCíPPIP°PSPSCḡ PrPḡPeCíPjPḡPrPḡC,PsPjC-PrPëPSCí Cí PrPsP·C- 1 PjPePi/PePi C-
40 % Cí PiCḡCíPiC- P·P°CíC,PsCíCíPPIP°PSPSCḡ PrPḡPeCíPjPḡPrPḡC,PsPjC-PrPëPSCí Cí
PrPsP·C- 0,5 PjPePi/PePi PiPsCḡC-PIPSCḡPSPs P· 3 % Cí PiCḡCíPiC- PiP»P°CḡPḡP±Ps.
P·C-PrPjC-PSPSC-CíC,CH CḡPëP·PëPeC-PI Cí PeC-P»CHḡPePsCíC,C- PiP°CḡC-C°PSC,C-PI,
CḡP°PSPPrPsPjC-P·PsPIP°PSPëC... PrPs PiCḡCíPiPë P·P°CíC,PsCíCíPPIP°PSPSCḡ
PrPḡPeCíPjPḡPrPḡC,PsPjC-PrPëPSCí PI PrPsP·P°C... 1 PjPePi/PePi C- 0,5 PjPePi/PePi, CḡPeC-
PSPḡ PiPsC,CḡPḡP±CíPPIP°P»Pë PrPsPrP°C,PePsPIPSPiPs PIPIPḡPrPḡPSPSCḡ
PjC-PrP°P·PsP»P°PjCí, CíC,P°PSPsPIPëP»P° 48 % (95 % P°Pḡ: 37bḡ“57 %) C- 40 % (95 % P°Pḡ:
28bḡ“48 %) PIC-PrPiPsPIC-PrPSPs PiPsCḡC-PIPSCḡPSPs P· PiP»P°CḡPḡP±Ps. PḡPḡPrC-P°PSP°
(PrC-P°PiP°P·PsPS) PrPsP·Pë PjC-PrP°P·PsP»P°PjCí, PIPIPḡPrPḡPSPsC— PrPsPrP°C,PePsPIPSPs,
CíC,P°PSPsPIPëP»P° 1,5 (0,5bḡ“7,0) PjPi Cí PiCḡCíPiC- PrPḡPeCíPjPḡPrPḡC,PsPjC-PrPëPSCí 1,0
PjPePi/PePi, 2,0 (0,5bḡ“8,0) PjPi Cí PiCḡCíPiC- PrPḡPeCíPjPḡPrPḡC,PsPjC-PrPëPSCí

0,5 PjPePi/PePi C- 4,0 (0,5вґ“14,0) PjPi Cr PiCґCrPiC- PiP»P°C†PµP±Ps. P C-P·PSPëC†Cґ CґPµCґPµPrPSC-C... P·PSP°C†PµPSCґ PrPsP·Pë PjC-PrP°P·PsP»P°PjCr Cr PiCґCrPiP°C... PrPµPeCґPjPµPrPµC,PsPjC-PrPëPSCr 1 PjPePi/PePi C- 0,5 PjPePi/PePi PiPsCґC-PIPSCґPSPs P· PiP»P°C†PµP±Ps P±CrP»P° вґ“3,1 PjPi (95 % P”P†: вґ“3,8, вґ“2,5) C- вґ“2,7 PjPi (95 % P”P†: вґ“3,3, вґ“2,1) PIC-PrPiPsPIC-PrPSPs PSP° PePsCґPëCґC,CH PrPµPeCґPjPµPrPµC,PsPjC-PrPëPSCr. PґPµCґPµPrPSC-PMë C†P°Cґ PrPs PrPsPrP°C,PePsPIPsPiPs PIPIPµPrPµPSPSCґ PiPµCґCëPsC— PrPsP·Pë PjC-PrP°P·PsP»P°PjCr CґC,P°PSPsPIPëPI 114 C...PIPëP»PëPS Cr PiCґCrPiC- PrPµPeCґPjPµPrPµC,PsPjC-PrPëPSCr 1,0 PjPePi/PePi, 40 C...PIPëP»PëPS Cr PiCґCrPiC- PrPµPeCґPjPµPrPµC,PsPjC-PrPëPSCr 0,5 PjPePi/PePi C- 20 C...PIPëP»PëPS Cr PiCґCrPiC- PiP»P°C†PµP±Ps.

PJ PrPsCґP»C-PrP¶PµPSPSC- 2 CґP°PSPPrPsPjC-P·CrPIP°P»Pë PiP°C†C-C”PSC,C-PI, CґPePëPj PiCґPsPIPsPrPëP»Pë C,,C-P±CґPsPsPiC,PëC†PSCr C-PSC,CrP±P°C†C-CH C,CґP°C...PµC— Cr CґPIC-PrPsPjPsCґC,C- PiCґPë PjC-CґC†PµPIC-PMë P°PSPµCґC,PµP·C-C— PrP»Cґ PsC,CґPëPjCrPIP°PSPSCґ PSP°PIP°PSC,P°P¶CґPIP°P»CHPSPsC— C-PSC,,CrP·C-C— PrPµPeCґPjPµPrPµC,PsPjC-PrPëPSCr Cr PrPsP·C- 1 PjPePi/PePi (n = 55) P°P±Ps PiP»P°C†PµP±Ps (C,,C-P·C-PsP»PsPiC-C†PSPëPMë CґPsP·C†PëPS) (n = 50) PIPIPµPrPµPSPSCґ 10 C...PIPëP»PëPS P· PiPsPrP°P»CHCëPsCґ C,,C-PeCґPsPIP°PSPsCґ PiC-PrC,CґPëPjCrPIP°P»CHPSPsCґ C-PSC,,CrP·C-C”Cґ Cr PrPsP·C- 0,7 PjPePi/PePi/PiPsPr. P”P»Cґ PiC-PrC,CґPëPjP°PSPSCґ CґC-PIPSCґ ≥ 2 P·P° CëPeP°P»PsCґ CґPµPrP°C†C-C— P P°PjCґPµCґ 53 % PiP°C†C-C”PSC,P°Pj, CґPePëPj P·P°CґC,PsCґPsPICrPIP°P»Pë PrPµPeCґPjPµPrPµC,PsPjC-PrPëPS, PSPµ P·PSP°PrPsP±PëP»PsCґCґ PrPsPrP°C,PePsPIPµ PIPIPµPrPµPSPSCґ PjC-PrP°P·PsP»P°PjCr PiPsCґC-PIPSCґPSPs P· 14 % PiP°C†C-C”PSC,C-PI Cr PiCґCrPiC- PiP»P°C†PµP±Ps. P·C-PrPjC-PSPSC-CґC,CH CґPëP·PëPeC-PI Cr PeC-P»CHPePsCґC,C- PiP°C†C-C”PSC,C-PI, CґP°PSPPrPsPjC-P·PsPIP°PSPëC... PrPs PiCґCrPiPë PrPµPeCґPjPµPrPµC,PsPjC-PrPëPSCr, CґPeC-PSPµ PiPsC,CґPµP±CrPIP°P»Pë PrPsPrP°C,PePsPIPsPiPs PIPIPµPrPµPSPSCґ PjC-PrP°P·PsP»P°PjCr, CґC,P°PSPsPIPëP»P° 43 % (95 % P”P†: 23вґ“57 %) PiPsCґC-PIPSCґPSPs P· PiP»P°C†PµP±Ps. PґPµCґPµPrPSCґ PrPsP·P° PjC-PrP°P·PsP»P°PjCr CґC,P°PSPsPIPëP»P° 1,1 PjPi Cr PiCґCrPiC- PrPµPeCґPjPµPrPµC,PsPjC-PrPëPSCr C- 2,8 PjPi Cr PiCґCrPiC- PiP»P°C†PµP±Ps. P C-P·PSPëC†Cґ Cr CґPµCґPµPrPSC-C... P·PSP°C†PµPSPSCґC... PrPsP·Pë PjC-PrP°P·PsP»P°PjCr PrP»Cґ PrPsPrP°C,PePsPIPsPiPs PIPIPµPrPµPSPSCґ CґC,P°PSPsPIPëP»P° вґ“1,8 PjPi (95 % P”P†: вґ“2,7 вґ“0,86) PSP° PePsCґPëCґC,CH PrPµPeCґPjPµPrPµC,PsPjC-PrPëPSCr.

PαP°CґPjP°PePsPeC-PSPµC,PëPeP°

PαP°CґPjP°PePsPeC-PSPµC,PëPeCґ PrPµPeCґPjPµPrPµC,PsPjC-PrPëPSCr PsC†C-PSCґPIP°P»Pë PiC-CґP»Cґ PePsCґPsC,PePsC,CґPëPIP°P»PsPiPs PIPSCrC,CґC-CëPSCґPsPIPµPSPSPsPiPs P·P°CґC,PsCґCrPIP°PSPSCґ P·PrPsCґPsPIPëPj PrPsP±CґPsPIPsP»CHC†CґPj C,P° PiC-CґP»Cґ PrPsPIPsC,CґPëPIP°P»PsC— C-PSC,,CrP·C-C— PiP°C†C-C”PSC,P°Pj Cr PIC-PrPrC-P»PµPSPSC-C-PSC,PµPSCґPëPIPsC— C,PµCґP°PiC-C—.

P PsP·PiPsPrC-P»

P”PµPeCґPjPµPrPµC,PsPjC-PrPëPS PrPµPjPsPSCґC,CґCrC” PrPIPsPePsPjPiPsPSPµPSC,PSCr PjPsPrPµP»CH CґPsP·PiPsPrC-P»Cr. PJ P·PrPsCґPsPIPëC... PrPsP±CґPsPIPsP»CHC†C-PI CґPiPsCґC,PµCґC-PiP°C”C,CHCґCґ CëPIPëPrPeP° C,,P°P·P° CґPsP·PiPsPrC-P»Cr P· CґPµCґPµPrPSC-Pj PiPµCґC-PsPrPsPj PSP°PiC-PICґPsP·PiPsPrC-P»Cr (t_{1/2α}) PiCґPëP±P»PëP·PSPs 6 C...PIPëP»PëPS. PґPµCґPµPrPSC-PMë PiPµCґC-PsPr

PSP°PīC-PIPIPēPIPμPrPμPSPSCl Cí C,PμCḡPjC-PSP°P»CH̄PSC-PNē C,,P°P·C- (t_{1/2})
CÍC,P°PSPsPIPēC,CH̄ PīCḡPēP±P»PēP·PSPs 1,9Bḡ“2,5 PiPsPrPēPSPē (PjC-PSC-PjP°P»CH̄PSPs
Bḡ“ 1,35 PiPsPrPēPSPē, PjP°PeCÍPēPjP°P»CH̄PSPs Bḡ“ 3,68 PiPsPrPēPSPē), P°
CÍPμCḡPμPrPSC-PNē CḡC-PIPSsPIP°P¶PSPēPNē PsP±Bḡ™C”Pj CḡPsP·PiPsPrC-P»Cí (Vss) Bḡ“
PīCḡPēP±P»PēP·PSPs 1,16Bḡ“2,16 P»/PePi (PIC-Pr 90 PrPs 151 P»C-C,CḡP°).
PŸPμCḡPμPrPSC-PNē PīP»P°P·PjPsPIPēPNē PeP»C-CḡPμPSCÍ (Cl) CÍC,P°PSPsPIPēP»P°
PīCḡPēP±P»PēP·PSPs PIC-Pr 0,46 PrPs 0,73 P»/PiPsPr/PePi (35,7Bḡ“51,1 P»/PiPsPr).
PŸPμCḡPμPrPSCl PjP°CÍP° C,C-P»P° PīP°C†C-C”PSC,C-PI, PSP° PsCÍPSPsPIC- CIPePsC—
P±CíP»Pē CḡPsP·CḡP°C...PsPIP°PSC- Vss C,P° Cl, PrPsCḡC-PIPSCH̄PIP°P»P° 69 PePi.
PμP»P°P·PjPsPIP° C,,P°CḡPjP°PePsPeC-PSPμC,PēPeP° PrPμPeCÍPjPμPrPμC,PsPjC-PrPēPSCí Cí
PīP°C†C-C”PSC,C-PI PIC-PrPrC-P»PμPSPSCl C-PSC,PμPSCÍPēPIPSsPc— C,PμCḡP°PīC-C— C”
PiPsPrC-P±PSPsCḡ PīC-CÍP»CÍ C-PSC,,CíP·C-C— > 24 PiPsPrPēPS. P PsP·CḡP°C...CíPSPePsPIC-
C,,P°CḡPjP°PePsPeC-PSPμC,PēC†PSC- PīP°CḡP°PjPμC,CḡPē C” C,P°PePēPjPē: t_{1/2} Bḡ“
PīCḡPēP±P»PēP·PSPs 1,5 PiPsPrPēPSPē, Vss Bḡ“
PīCḡPēP±P»PēP·PSPs 93 P»C-C,CḡPē C,P° Cl Bḡ“ PīCḡPēP±P»PēP·PSPs 43 P»/PiPsPr.
PαP°CḡPjP°PePsPeC-PSPμC,PēPeP° PrPμPeCÍPjPμPrPμC,PsPjC-PrPēPSCí C” P»C-PSC-PNēPSPsCḡ
Cí PrC-P°PīP°P·PsPSC- PrPsP· 0,2Bḡ“1,4 PjPePi/PePi/PiPsPr, PIC-PS PSPμ
PeCíPjCíP»CḡC”C,CH̄CÍCl PīCḡPē P»C-PeCíPIP°PSPSC- C,CḡPēPIP°P»C-CÍC,Cḡ PrPs 14
PrPSC-PI. P”PμPeCÍPjPμPrPμC,PsPjC-PrPēPS PSP° 94 % P·PIBḡ™CIP·CíC”C,CH̄CÍCl P·
P±C-P»PeP°PjPē PīP»P°P·PjPē PeCḡPsPIC-. P—PIBḡ™CIP·CíPIP°PSPSCl P· P±C-P»PeP°PjPē
PīP»P°P·PjPē PeCḡPsPIC- C” PSPμP·PjC-PSPSPēPj Cí PrC-P°PīP°P·PsPSC-
PePsPSC†PμPSC,CḡP°C†C-C—
0,85Bḡ“85 PSpI/PjP». P”PμPeCÍPjPμPrPμC,PsPjC-PrPēPS P·PIBḡ™CIP·CíC”C,CH̄CÍCl C-P·
CÍPēCḡPsPIP°C,PePsPIPēPj P°P»CH̄P±CíPjC-PSPsPj P»CḡPrPēPSPē C,P°
a₁-PePēCÍP»PēPj PiP»C-PePsPīCḡPsC,PμC—PSPsPj, PīCḡPēC†PsPjCí CÍPēCḡPsPIP°C,PePsPIPēPNē
P°P»CH̄P±CíPjC-PS C” PsCÍPSPsPIPSPēPj P±C-P»PePsPj P·PIBḡ™CIP·CíPIP°PSPSCl
PrPμPeCÍPjPμPrPμC,PsPjC-PrPēPSCí Cí PīP»P°P·PjC- PeCḡPsPIC-.

Р̄PμC,P°P±PsP»C-P·Pj C,P° PIPēPIPμPrPμPSPSCl

P”PμPeCÍPjPμPrPμC,PsPjC-PrPēPS C-PSC,PμPSCÍPēPIPSs PjPμC,P°P±PsP»C-P·CíC”C,CH̄CÍCl
PI PīPμC†C-PSC†C-. P†CÍPSCíC” C,CḡPē C,PēPīPē PīPsC†P°C,PePsPIPēC...
PjPμC,P°P±PsP»C-C†PSPēC... CḡPμP°PeC†C-PNē: PīCḡCIPjP° N-
PīP»CḡPeCíCḡPsPSC-PrP°C†C-Cl, PīCḡCIPjPμ N-PjPμC,PēP»CíPIP°PSPSCl C,P°
PsPePēCÍP»PμPSPSCl, PeP°C,P°P»C-P·PsPIP°PSC- C†PēC,PsC...CḡPsPjPsPj P450.
P̄P°PNēP±C-P»CH̄Cē PīPsCēPēCḡPμPSPēPjPē PjPμC,P°P±PsP»C-C,P°PjPē
PrPμPeCÍPjPμPrPμC,PsPjC-PrPēPSCí PI PeCḡPsPIPpsP±C-PiCí C” PrPIP° C-P·PsPjPμCḡPSPēC...
N-PiP»CḡPeCíCḡPsPSC-PrPē. P̄PμC,P°P±PsP»C-C, H-1 (N-PjPμC,PēP»-
3-PiC-PrCḡPsPeCÍPēPjPμC,PēP»PrPμPeCÍPjPμPrPμC,PsPjC-PrPēPSCí O-PiP»CḡPeCíCḡPsPSC-Pr)
C,P°PePsP¶ C” PsPrPSPēPj P· PsCÍPSPsPIPSPēC... PīCḡPsPrCíPeC,C-PI
P±C-PsC,CḡP°PSCÍC,,PsCḡPjP°C†C-C— PrPμPeCÍPjPμPrPμC,PsPjC-PrPēPSCí.
PīPēC,PsC...CḡPsPj P450 PeP°C,P°P»C-P·CíC” CíC,PIPsCḡPμPSPSCl PrPIPsc...
PrCḡCíPiPsCḡCIPrPSPēC... C†PēCḡPeCíP»CḡCḡC†PēC... PjPμC,P°P±PsP»C-C,C-PI: 3-
PiC-PrCḡPsPeCÍPēPjPμC,PēP»PrPμPeCÍPjPμPrPμC,PsPjC-PrPēPS Bḡ“
CíC,PIPsCḡCḡC”C,CH̄CÍCl CēP»CÍC...PsPj PiC-PrCḡPsPeCÍPēP»CḡPIP°PSPSCl 3-
PjPμC,PēP»CH̄PSPsC— PīCḡCíPīPē PrPμPeCÍPjPμPrPμC,PsPjC-PrPēPSCí C- H-3 Bḡ“
CíC,PIPsCḡCḡC”C,CH̄CÍCl P·P° CḡP°C...CíPSPsPe PsPePēCÍP»PμPSPSCl
C-PjC-PrP°P·PsP»CH̄PSPsPiPs PeC-P»CH̄C†Cl. P̄P°CIPISC- PrP°PSC- CÍPIC-PrC†P°C,CH̄,
C%oPs CíC,PIPsCḡPμPSPSCl PsPePēCÍP»PμPSPēC... PjPμC,P°P±PsP»C-C,C-PI
PsPīPsCÍPμCḡPμPrPePsPICíC”C,CH̄CÍCl PeC-P»CH̄PePsPjP° C-P·PsC,,PsCḡPjP°PjPē
C†PēC,PsC...CḡPsPjCí P450 (CYP2A6, CYP1A2, CYP2E1, CYP2D6 C- CYP2C19). PjC-

PjPμC, P°P±PsP»C-C, Pë PSPμ PjP°CΉC, CΉ CÍCfC, C, C"PIPSC—
C,, P°CΉPjP°PePsP»PsPiC-C±PSPSC— P°PeC, PëPIPSPSCÍC, C-.

PμC-CÍP»CÍ PIPSCfC, CΉC-CëPSCΉPsPIPμPSPSPsPiPs P·P°CÍC, PsCÍCfPIP°PSPSCÍ
CΉP°PrC-PsPjC-C±PμPSPsPiPs PrPμPeCÍPjPμPrPμC, PsPjC-PrPëPSCr C±PμCΉPμP· 9 PrPSC-PI CÍ
CÍPμCΉPμPrPSCΉPsPjCf 95 % CΉP°PrC-PsP°PeC, PëPIPSPSCÍC, C- PIPëCÍPIP»CÍP»PsCÍCÍ PI
CÍPμC±C- C, P° 4 % BΉ“ CÍ C,, PμPeP°P»C-CÍC.... PΉCÍPSPsPIPSPëPjPë
PjPμC, P°P±PsP»C-C, P°PjPë PI CÍPμC±C- C" PrPIP° C-P·PsPjPμCΉPSPëC... N-
PiP»CΉPeCfCΉPsPSC-PrPë, CÍPeC- CΉP°P·PsPj CÍC, P°PSPsPIP»CÍC, CΉ PíCΉPëP±P»PëP·PSPs
34 % PIPIPμPrPμPSPSC— PrPsP·Pë, C, P° N-PjPμC, PëP»-3-
PiC-PrCΉPsPeCÍPëPjPμC, PëP»PrPμPeCÍPjPμPrPμC, PsPjC-PrPëPSCr O-
PiP»CΉPeCfCΉPsPSC-Pr, C°Ps CÍC, P°PSPsPIPëC, CΉ 14,51 % PrPsP·Pë.
P" CΉCfPiPsCΉCÍPrPSC- PjPμC, P°P±PsP»C-C, Pë PeP°CΉP±PsPSPsPIPSC— PePëCÍP»PsC, Pë, 3-
PiC-PrCΉPsPeCÍPë- C, P° O-PiP»CΉPeCfCΉPsPSC-PrPSC- PjPμC, P°P±PsP»C-C, Pë PsPeCΉPμPjPs
CÍC, P°PSPsPIP»CÍC, CΉ 1,11BΉ“7,66 % PrPsP·Pë. PΉPμPSCëPμ 1 % PSPμP·PjC-PSPμPSPSC—
PrC-CΉC±PsC— CΉPμC±PsPIPëPSPë PIPëCÍPIP»CÍP»PsCÍCÍ PI CÍPμC±C-.
PμCΉPëP±P»PëP·PSPs 28 % PjPμC, P°P±PsP»C-C, C-PI, PIPëCÍPIP»PμPSPëC... CÍ CÍPμC±C-, C"
PSPμC-PrPμPSC, PëC,, C-PePsPIP°PSPëPjPë PrCΉCfPiPsCΉCÍPrPSPëPjPë
PjPμC, P°P±PsP»C-C, P°PjPë.

PΉCÍPsP±P»PëPIC- PíPsPíCfP»CÍCfC-C—

P—PSP°C±PSC- PIC-PrPjC-PSPSPSCÍC, C- C,, P°CΉPjP°PePsPeC-PSPμC, PëPePë
PrPμPeCÍPjPμPrPμC, PsPjC-PrPëPSCr CÍ PíP°CfC-C" PSC, C-PI CΉC-P·PSPsPiPs PIC-PeCf C, P°
CÍC, P°C, C- PSPμ P±CfP»Pë PIC-PrP·PSP°C±PμPSC-.

P—PíBΉ™ CÍP·CfPIP°PSPSCÍ PrPμPeCÍPjPμPrPμC, PsPjC-PrPëPSCr P· P±C-P»PeP°PjPë
PíP»P°P·PjPë PeCΉPsPIC- C" P·PSPëPμPSPëPj PI PsCÍC-P± P· PíPsCΉCfCëPμPSPSCÍPj
C,, CÍPSPeCfC-C— PíPμC±C-PSPePë PíPsCΉC-PIPSCÍPSPs P·C- P·PrPsCΉPsPIPëPjPë
PrPsP±CΉPsPIPsP»CΉCfCÍPjPë. PΉPμCΉPμPrPSC-PNë PIC-PrCÍPsC, PsPe
PSPμP·PíBΉ™ CÍP·P°PSPsPiPs PrPμPeCÍPjPμPrPμC, PsPjC-PrPëPSCr CÍ PíP»P°P·PjC- PeCΉPsPIC-
CÍC, P°PSPsPIPëPI PIC-Pr 8,5 % CÍ P·PrPsCΉPsPIPëC... PrPsP±CΉPsPIPsP»CΉCfC-PI PrPs 17,9 %
CÍ PíP°CfC-C" PSC, C-PI C-P· C, CÍPμPëPëPj PíPsCΉCfCëPμPSPSCÍPj C,, CÍPSPeCfC-C—
PíPμC±C-PSPePë. PμP°CfC-C" PSC, Pë P· CΉC-P·PSPëPj CÍC, CÍPíPμPSPμPj PíPsCΉCfCëPμPSPSCÍ
C,, CÍPSPeCfC-C— PíPμC±C-PSPePë (PeP»P°CÍ A, B P°P±Ps C P·P° CëPeP°P»PsCΉ P\$P°PNëP»PrP°
BΉ“ PμBΉ™ CΉ) PjP°P»Pë P·PSPëPμPSPëPNë PíPμC±C-PSPePsPIPëPNë PeP»C-CΉPμPSCÍ
PrPμPeCÍPjPμPrPμC, PsPjC-PrPëPSCr C, P° PíPsPrPsPIPμPSPëPNë PíPμCΉC-PsPr
PSP°PíC-PIPIPëPIPμPrPμPSPSCÍ P· PíP»P°P·PjPë PeCΉPsPIC- (t_{1/2}). PΉPμCΉPμPrPSC-
P·PSP°C±PμPSPSCÍ PíP»P°P·PjPsPIPsPiPs PeP»C-CΉPμPSCÍCf PSPμP·PíBΉ™ CÍP·P°PSPsPiPs
PrPμPeCÍPjPμPrPμC, PsPjC-PrPëPSCr CÍ PíP°CfC-C" PSC, C-PI P· P»PμPiPePëPj, PíPsPjC-CΉPSPëPj
C, P° C, CÍPμPëPëPj CÍC, CÍPíPμPSPμPj PíPμC±C-PSPePsPIPsC— PSPμPrPsCÍC, P°C, PSPsCÍC, C-
CÍC, P°PSPsPIPëP»P° 59 %, 51 % C, P° 32 % PIC-Pr PíPsPeP°P·PSPëPeC-PI CÍ P·PrPsCΉPsPIPëC...
PrPsP±CΉPsPIPsP»CΉCfC-PI. PΉPμCΉPμPrPSC-PNë t_{1/2} CÍ PíP°CfC-C" PSC, C-PI P· P»PμPiPePëPj,
PíPsPjC-CΉPSPëPj C, P° C, CÍPμPëPëPj CÍC, CÍPíPμPSPμPj PíPμC±C-PSPePsPIPsC—
PSPμPrPsCÍC, P°C, PSPsCÍC, C- P±CfPI PíPsPrPsPIPμPSPëPj PIC-PrPíPsPIC-PrPSPs PrPs 3,9, 5,4
C, P° 7,4 PíPsPrPëPSPë PIC-PrPíPsPIC-PrPSPs. PÍPsC±P° PrPsP·P°
PrPμPeCÍPjPμPrPμC, PsPjC-PrPëPSCr PIPëP·PSP°C±P°C" C, CΉCÍCÍ P·P° CÍC, CÍPíPμPSPμPj
CÍPμPrP°C, PëPIPSPsPiPs PμC,, PμPeC, CÍ, CÍP»C-Pr CΉPsP·PiP»CÍPSCfC, Pë
PrPsCfC-P»CΉPSC-CÍC, CΉ P·PSPëPμPSPSCÍ PíPsC±P°C, PePsPIPsC— P°P±Ps
PíC-PrC, CΉPëPjCfCΉC±PsC— PrPsP·Pë P»C-PeP°CΉCÍCΉPePsPiPs P·P°CÍPsP±Cf PrP»CÍ
PíP°CfC-C" PSC, C-PI P· PíPsCΉCfCëPμPSPSCÍPj C,, CÍPSPeCfC-C— PíPμC±C-PSPePë

P·P°P»PµP¶PSPs PIC-Pr CÍC,CrPíPµPSCÍ PíPsCĤCrC€PµPSPSCÍ C,P° PeP»C-PSC-C‡PSPsC— PIC-PrPíPsPIC-PrC-.

PαP°CĤPjP°PePsPeC-PSPµC,PëPeP° PrPµPeCÍPjPµPrPµC,PsPjC-PrPëPSCr Cr PíP°C†C-C”PSC,C-PI P·C,CÍP¶PePëPj PíPsCĤCrC€PµPSPSCÍPj C,,CrPSPeC†C-C— PSPëCĤPsPe (PeP»C-CĤPµPSCÍ PeCĤPµP°C,PëPSC-PSCr < 30 PjP»/C...PI) PSPµ PIC-PrCĤC-P·PSCÍC”C,CHCÍCÍ PIC-Pr C,P°PePsC— PI PsCÍC-P± P±PµP· PíPsCĤCrC€PµPSCĤ C,,CrPSPeC†C-C— PSPëCĤPsPe.

P”P°PSC- C%PsPrPs PSPsPIPsPSP°CĤPsPrP¶PµPSPëC... (PSP°CĤPsPrP¶PµPSPëC... PSP° 28-44 C,PëP¶PSC- PiPµCÍC,P°C†C-C—) C,P° PrC-C,PµPNë PrPs 17 CĤPsPeC-PI PsP±PjPµP¶PµPSC-. PµPµCĤC-PsPr PSP°PíC-PIPIPëPIPµPrPµPSPSCÍ PrPµPeCÍPjPµPrPµC,PsPjC-PrPëPSCr Cr PrC-C,PµPNë (PIC-Pr 1 PjC-CÍCÍC†CÍ PrPs 17 CĤPsPeC-PI), PSPµ PIC-PrCĤC-P·PSCÍC”C,CHCÍCÍ PIC-Pr PíPsPeP°P·PSPëPeC-PI Cr PrPsCĤPsCÍP»PëC..., P°P»Pµ Cr PSPsPIPsPSP°CĤPsPrP¶PµPSPëC... (PrPs 1 PjC-CÍCÍC†CÍ) PIC-PS, PNëPjPsPIC-CĤPSPs, C” C,CĤPëPIP°P»C-C€PëPj. Pj PIC-PePsPIPëC... PiCĤCrPíP°C... PIC-Pr 1 PjC-CÍCÍC†CÍ PrPs 6 CĤPsPeC-PI CÍPePsCĤPëPiPsPIP°PSPëPNë PIC-PrPíPsPIC-PrPSPs PrPs PjP°CÍPë C,C-P»P° PíP»P°P·PjPsPIPëPNë PeP»C-CĤPµPSCÍ P±C†PI PIPëC%PëPj, P°P»Pµ P·PSPëP¶CrPIP°PICÍCÍ Cr PrC-C,PµPNë CÍC,P°CĤC€PsPiPs PIC-PeCr. Pj PSPsPIPsPSP°CĤPsPrP¶PµPSPëC... PrC-C,PµPNë (PIC-PePsPj PrPs 1 PjC-CÍCÍC†CÍ) CÍPePsCĤPëPiPsPIP°PSPëPNë PIC-PrPíPsPIC-PrPSPs PrPs PjP°CÍPë C,C-P»P° PíP»P°P·PjPsPIPëPNë PeP»C-CĤPµPSCÍ P±C†PI PSPëP¶C‡PëPj (0,9 P»/PiPsPr/PePi), PSC-P¶ Cr CÍC,P°CĤC€PëC... PIC-PePsPIPëC... PiCĤCrPíP°C... PIPSP°CÍP»C-PrPsPe PSPµP·CĤC-P»PsCÍC,C-.

PκP°CÍPIPSC- PrP°PSC- PíCĤPµPrCÍC,P°PIP»PµPSC- Cr C,P°P±P»PëC†C- PSPëP¶C‡Pµ:

P’C-Pe	N	PŸPµCĤPµPrPSC” P·PSP°C‡PµPSPSCÍ (95 % P”P†)	
		CI (P»/PiPsPr/PePi)	t _{1/2} (PiPsPr)
P”Ps 1 PjC-CÍCÍC†CÍ	28	0,93 (0,76, 1,14)	4,47 (3,81, 5,25)
P’C-Pr 1 PrPs 6 PjC-CÍCÍC†C-PI	14	1,21(0,99, 1,48)	2,05 (1,59, 2,65)
P’C-Pr 6 PrPs 12 PjC-CÍCÍC†C-PI	15	1,11 (0,94, 1,31)	2,01 (1,81, 2,22)
P’C-Pr 12 PrPs 24 PjC-CÍCÍC†C-PI	13	1,06 (0,87, 1,29)	1,97 (1,62, 2,39)
P’C-Pr 2 PrPs 6 CĤPsPeC-PI	26	1,11 (1,00, 1,23)	1,75 (1,57, 1,96)
P’C-Pr 6 PrPs 17 CĤPsPeC-PI	28	0,80 (0,69, 0,92)	2,03 (1,78, 2,31)

PљP»C-PSC-C‡PSC- C...P°CĤP°PeC,PµCĤPëCÍC,PëPePë

PµPsPeP°P·P°PSPSCÍ

P”P»CÍ CÍPµPrP°C†C-C— PrPsCĤPsCÍP»PëC... PíP°C†C-C”PSC,C-PI Cr PIC-PrPrC-P»PµPSPSCÍC... P°PSPµCÍC,PµP·C-PsP»PsPiC-C—, CĤPµP°PSC-PjP°C†C-C— C,P° C-PSC,PµPSCÍPëPIPSPsC— C,PµCĤP°PíC-C— (P’ĤP P†PŸ), CÍPeC- PíPsC,CĤPµP±C†CĤC,CH

СҗС-PIPSCЦІ СГРµPrP°C†C-C— PSPµ PiP»PëP±C€Pµ, PSC-P¶ PiCҗPsP±C†PrP¶PµPSPSCЦІ СГ PIC-PrPiPsPIC-PrCH PSP° PiPsP»PsCГPsPIC† CГC, PëPjC†P»CЦC†C-CH (PIC-PrPiPsPIC-PrP°C” PrC-P°PiP°P·PsPSC† PIC-Pr 0 PrPs Bҗ“3 P±P°P»C-PI P·P° C€PeP°P»PsCH P°P¶PëC, P°C†C-C— СГРµPrP°C†C-C— P C-C†PjPsPSPPrP° [C€PeP°P»P° RASS]).

P”P»CЦІ СГРµPrP°C†C-C— PSPµC-PSC, C†P±PsPIP°PSPëC... PiP°C†C-C”PSC, C-PI PrPs/P°P±Ps PiC-Pr C†P°CГ PrC-P°PiPSPsCГC, PëC†PSPëC... P°P±Ps C...C-CҗC†CҗPiC-C†PSPëC... PiCҗPsC†PµPrC†Cҗ, PrP»CЦІ CЦPePëC... PiPsC, CҗC-P±PSP° СГРµPrP°C†C-CЦІ C, PsP±C, Ps PiCҗPsC†PµPrC†CҗPSP° СГРµPrP°C†C-CЦІ / СГРµPrP°C†C-CЦІ PI CГPIC-PrPsPjPsCГC, C-.

PµCҗPsC, PëPiPsPeP°P·P°PSPSCЦІ

PµC-PrPIPëC%oPµPSP° C†C†C, P»PëPIC-CГC, CH PrPs PrPµPeCГPjPµPrPµC, PsPjC-PrPëPSC† P°P±Ps PrPs P±C†PrCH-CЦPePsC— P· PrPsPiPsPjC-P¶PSPëC... CҗPµC†PsPIPëPS P»C-PeP°CҗCГCHPePsPiPs P·P°CГPsP±C†.

PҗC, CҗC-PsPIPµPSC, CҗPëPeC†P»CЦCҗPSP° P±P»PsPeP°PrP° ПBҗ“III CГC, C†PiPµPSCЦІ (PiCҗPë PIC-PrCГC†C, PSPsCГC, C- C€C, C†C†PSPsPiPs PIPsPrC-CЦІ CҗPëC, PjC†).

PќPµPePsPSC, CҗPsP»CHPsPIP°PSP° P°CҗC, PµCҗC-P°P»CHPsP° PiC-PiPsC, PµPSP·C-CЦІ.

P”PsCГC, CҗP° C†PµCҗPµP±CҗPsPIP°CГPeC†P»CЦCҗPSP° PiP°C, PsP»PsPiC-CЦІ.

P°P·P°C”PjPsPrC-CЦІ P· C-PSC€PëPjPë P»C-PeP°CҗCГCHPePëPjPë P·P°CГPsP±P°PjPë C, P° C-PSC€C- PIPëPrPë PIP·P°C”PjPsPrC-PNë

P”PsCГP»C-PrP¶PµPSPSCЦІ PIP·P°C”PjPsPrC-C— P· C-PSC€PëPjPë P»C-PeP°CҗCГCHPePëPjPë P·P°CГPsP±P°PjPë PiCҗPsPIPsPrPëP»Pë C, C-P»CHPePë C† PrPsCҗPsCГP»PëC... PiP°C†C-C”PSC, C-PI.

PŸC†PjC-CГPSPµ P·P°CГC, PsCГC†PIP°PSPSCЦІ PrPµPeCГPjPµPrPµC, PsPjC-PrPëPSC† P·P°PSPµCГC, PµC, PëPeP°PjPë, CГPµPrP°C, PëPIPSPëPjPë, CГPSPsPrC-PNëPSPëPjPë P·P°CГPsP±P°PjPë C, P° PsPiC-PsC—PrP°PjPë PjPsP¶Pµ PiCҗPëP·PIPµCГC, Pë PrPs PiPsC, PµPSC†C-CHPIP°PSPSCЦІ C—C... PµC,, PµPeC, C-PI, PIPeP»CHC†P°CHC†Pë CГPµPrP°C, PëPIPSC-, P°PSPµCГC, PµP·C†CHC†C- C, P° PeP°CҗPrC-PsCҗPµCГPiC-CҗP°C, PsCҗPSC- PµC,, PµPeC, Pë. P†C-P»CHPsPIC- PrPsCГP»C-PrP¶PµPSPSCЦІ PiC-PrC, PIPµCҗPrPëP»Pë PiPsCГPëP»PµPSPSCЦІ PµC,, PµPeC, C-PI PiCҗPë P·P°CГC, PsCГC†PIP°PSPSC- P· C-P·PsC,, P»C†CҗP°PSPsPj, PiCҗPsPiPsC,, PsP»PsPj, P°P»C,, PµPSC, P°PSC-P»PsPj C- PjC-PrP°P·PsP»P°PjPsPj.

PαP°CҗPjP°PePsPeC-PSPµC, PëC†PSPëC... PIP·P°C”PjPsPrC-PNë PjC-P¶ PrPµPeCГPjPµPrPµC, PsPjC-PrPëPSPsPj C, P° C-P·PsC,, P»C†CҗP°PSPsPj, PiCҗPsPiPsC,, PsP»PsPj, P°P»CHC,, PµPSC, P°PSC-P»PsPj C- PjC-PrP°P·PsP»P°PjPsPj PSPµ CГPiPsCГC, PµCҗC-PiP°P»PsCГCЦІ. PµCҗPsC, Pµ C†PµCҗPµP· PjPsP¶P»PëPIC- C,, P°CҗPjP°PePsPrPëPSP°PjC-C†PSC- PIP·P°C”PjPsPrC-C— PiCҗPë P·P°CГC, PsCГC†PIP°PSPSC- C, P°PePëC... P·P°CГPsP±C-PI C† PePsPjP±C-PSP°C†C-C— P· PrPµPeCГPjPµPrPµC, PsPjC-PrPëPSPsPj PjPsP¶Pµ P±C†C, Pë PSPµPsP±C...C-PrPSPëPj P·PSPëP¶PµPSPSCЦІ PrPsP·Pë PrPµPeCГPjPµPrPµC, PsPjC-PrPëPSC† P°P±Ps CГC†PiC†C, PSCҗPsPiPs P°PSPµCГC, PµC, PëPeP°, CГPµPrP°C, PëPIPSPsPiPs,

CÍPSPsPrC-PNéPSPsPiPs P·P°CÍPsP±Cí P°P±Ps PsPiC-PsC—PrCí.

PJ PrPsCÍP»C-PrP¶PµPSPSCÍC... P· PIPëPePsCĤPëCÍC,P°PSPSCÍPj PjC-PeCĤPsCÍPsPj
PiPµC±C-PSPePë P»CĤPrPëPSPë PIPëPIC±P°P»Pë P·PrP°C,PSC-CÍC,CH
PrPµPeCÍPjPµPrPµC,PsPjC-PrPëPSCí C-PSPiC-P±CíPIP°C,Pë C-P·PsC,,PµCĤPjPµPSC,Pë CYP,
PIPeP»CĤC±PSPs P· C-P·PsC,,PµCĤPjPµPSC,PsPj CYP2B6. P—PiC-PrPSPs
PrPsCÍP»C-PrP¶PµPSPSCÍ *in vitro* C-CÍPSCíC” PiPsC,PµPSC±C-P°P» PIP·P°C”PjPsPrC-C— *in*
vivo PjC-P¶ PrPµPeCÍPjPµPrPµC,PsPjC-PrPëPSPsPj C- CÍCíP±CÍC,CĤP°C,P°PjPë, CÍPeC-
PjPµC,P°P±PsP»C-P·CíCĤC,CHCÍCÍC PiPµCĤPµPIP°P¶PSPs P· CíC±P°CÍC,CĤ CYP2B6. C-
CÍCíP±CÍC,CĤP°C,P°PjPë (PiPsP»PsPIPSPëPj C±PëPSPsPj C-P·PsC,,PµCĤPjPµPSC,PsPj CYP2B6).

P†PSPPrCíPeCíPIP°PSPSCÍ PrPµPeCÍPjPµPrPµC,PsPjC-PrPëPSCí C-P·PsC,,PµCĤPjPµPSC,P°PjPë
CYP1A2, CYP2B6, CYP2C8, CYP2C9 C- CYP3A4 CÍPiPsCÍC,PµCĤC-PiP°P»PsCÍCÍC *in vitro*,
C,PsPjCí PSPµ PIPëPeP»CĤC±PµPSP° PNéPjPsPIC-CĤPSC-CÍC,CH C,P°PePsC—
PIP·P°C”PjPsPrC-C— *in vivo*. PµP»C-PSC-C±PSPµ P·PSP°C±PµPSPSCÍ PSPµPIC-PrPsPjPµ.

PŸP»C-Pr PICĤP°C...PsPICíPIP°C,Pë PjPsP¶P»PëPIC-CÍC,CH PiPsCÍPëP»PµPSPSCÍ
PiC-PiPsC,PµPSP·PëPIPSPëC... C,P° P±CĤP°PrPëPeP°CĤPrPëC±PSPëC... PµC,,PµPeC,C-PI Cí
PiP°C±C-C”PSC,C-PI, CÍPeC- PsC,CĤPëPjCíCĤC,CH C-PSC€C- P»C-PeP°CĤCÍCĤPeC-
P·P°CÍPsP±Pë, C%Ps CÍPiCĤPëC±PëPSCÍCĤC,CH C,P°PeC- PµC,,PµPeC,Pë,
PSP°PiCĤPëPeP»P°Pr
β-P°PrCĤPµPSPsP±P»PsPeP°C,PsCĤPë (C...PsC±P° PrPsPrP°C,PePsPIC- PµC,,PµPeC,Pë Cí
PrPsCÍP»C-PrP¶PµPSPSC- PIP·P°C”PjPsPrC-C— C-P· P·P°CÍC,PsCÍCíPIP°PSPSCÍPj
PµCÍPjPsP»PsP»Cí P±CíP»Pë PiPsPjC-CĤPSPëPjPë).

PĥCÍPsP±P»PëPIPSCÍC,C- P·P°CÍC,PsCÍC±PIP°PSPSCÍ

PĥPsPSC-C,PsCĤPëPSPi

PµPIP°PSP°PrPµPeCÍ PiCĤPëP·PSP°C±PµPSPëPNé PrP»CÍ P·P°CÍC,PsCÍCíPIP°PSPSCÍ PI
CíPjPsPIP°C... C-PSC,PµPSCÍPëPIPSPsC— C,PµCĤP°PiC-C—, PI PsPiPµCĤP°C±C-PNéPSPëC... C,P°
PiC-Pr C±P°CÍ PiCĤPsPIPµPrPµPSPSCÍ PrC-P°PiPSPsCÍC,PëC±PSPëC... PiCĤPsC±PµPrCíCĤ,
PNéPsPiPs P·P°CÍC,PsCÍCíPIP°PSPSCÍ PI C-PSC€PëC... CíPjPsPIP°C... PSPµ
CĤPµPePsPjPµPSPPrCíC”C,CHCÍCÍC. PµC-Pr C±P°CÍ C-PSC,,CíP·C-C—
P»C-PeP°CĤCÍCĤPePsPiPs P·P°CÍPsP±Cí PiPsPIPëPSPµPS P·PrC-PNéCÍPSCĤPIP°C,PëCÍCÍC
P±PµP·PiPµCĤPµCĤPIPSPëPNé PjPsPSC-C,PsCĤPëPSPi CÍPµCĤC±PµPIPSC—
PrC-CÍP»CHPSPsCÍC,C-. PJ PiP°C±C-C”PSC,C-PI, CÍPePëPj PSPµ PiCĤPsPIPµPrPµPSP°
C-PSC,CíP±P°C±C-CÍC, PiPsPIPëPSPµPS P·PrC-PNéCÍPSCĤPIP°C,PëCÍCÍC PjPsPSC-C,PsCĤPëPSPi
PrPëC...P°PSPSCÍ C±PµCĤPµP· CĤPëP·PëPe PiCĤPëPiPSC-C±PµPSPSCÍ PrPëC...P°PSPSCÍ C- Cí
PrPµCÍPePëC... PIPëPiP°PrPeP°C... бĤ” CĤPsP·PIPëC,PeCí P°PiPSPsPµ (PrPëPI. CĤPsP·PrC-P»
B«PµPsP±C-C±PSC- CĤPµP°PeC±C-C—B»).

PµPsPIC-PrPsPjP»CÍP»PsCÍCÍC, C%Ps C±P°CÍ PIC-PrPSPsPIP»PµPSPSCÍ PiC-CÍP»CÍC
P·P°CÍC,PsCÍCíPIP°PSPSCÍ PrPµPeCÍPjPµPrPµC,PsPjC-PrPëPSCí CÍC,P°PSPsPIPëC,CH
PiCĤPëP±P»PëP·PSPs 1 PiPsPrPëPSCí. PµCĤPë P·P°CÍC,PsCÍCíPIP°PSPSC- PI
P°PjP±CíP»P°C,PsCĤPSPëC... CíPjPsPIP°C... CĤPµC,PµP»CHPSPëPNé PjPsPSC-C,PsCĤPëPSPi
PiPsC,CĤC-P±PSPs PiCĤPsPrPsPIP¶CíPIP°C,Pë PiCĤPsC,CÍPiPsPj PSPµ PjPµPSC€Pµ 1
PiPsPrPëPSPë (P°P±Ps PrPsPIC€Pµ P·P°P»PµP¶PSPs PIC-Pr CÍC,P°PSCí PiP°C±C-C”PSC,P°),
PjPµPrPëC±PSPëPNé PSP°PiP»CÍPr PiPsPIPëPSPµPS PiCĤPsPrPsPIP¶CíPIP°C,PëCÍCÍC
PiCĤPsC,CÍPiPsPj C%Pµ PsPrPSC-C”C— PrPsPrP°C,PePsPIPSC— PiPsPrPëPSPë PrP»CÍC

P·P°P±PμP·PīPμC±PμPSPSCЦ P±PμP·PīPμPePë PīP°C†C-C”PSC,P°.

P—P°PiP°P»CHPSC- P·P°C†C,PμCḡPμP¶PμPSPSCЦ

PлPIP°PSP°PrPμPeC† PSPμ C†P»C-Pr PIPsPrPëC,Pë P±PsP»CḡC†PSPs, P° C†
PIC-PrPrC-P»PμPSPSCЦC... C-PSC,PμPSC†PëPIPSPsC— C,PμCḡP°PīC-C—
P·P°C†C,Psc†C†PIP°PSPSCЦ PSP°PIP°PSC,P°P¶C†PIP°P»CHPSPsC— PrPsP·Pë PSPμ
CḡPμPePsPjPμPSPPrC†C”C,CHC†CЦ. PŷPsPjC† PjPμPrPëC±PSPëP№ PīPμCḡC†PsPSP°P» PjP°C”
P±C†C,Pë PiPsC,PSPIPëP№ P·P°C†C,Psc†C†PIP°C,Pë P°P»CHC,PμCḡPSP°C,PëPIPSPëP№
C†PμPrP°C,PëPIPSPëP№ P·P°C†C-P± PrP»CЦ PSPμPiP°P№PSPsPiPs PePsPSC,CḡPsP»Cḡ
P·P±C†PrP¶PμPSPSCЦ P°P±Ps PīC-Pr C±P°C† PīCḡPsC†PμPrC†Cḡ, Psc†PsP±P»PëIPs
PIPīCḡPsPrPsP¶ PīPμCḡC€PëC... PeC-P»CHPePsC... PiPsPrPëPS P»C-PeC†PIP°PSPSCЦ. PμC-Pr
C±P°C† PīCḡPsC†PμPrC†CḡPSPsC— C†PμPrP°C†C-C— PjPsP¶PSP° P·P°C†C,Psc†PsPIC†PIP°C,Pë
PSPμPIPμP»PëPeC† P±PsP»CḡC†PSC† PrPsP·C† C-PSC€PsPiPs C†PμPrP°C,PëPIPSPsPiPs
P·P°C†PsP±C†, CЦPeC%Ps PiPsC,CḡC-P±PSPs C€PIPëPrPePs PīC-PrPIPëC%PëC,Pë
CḡC-PIPμPSCḡ C†PμPrP°C†C-C—.

PJ PrPμCЦPePëC... PīP°C†C-C”PSC,C-PI, CЦPeC- PsC,CḡPëPjC†CḡC,CH
PrPμPeC†PjPμPrPμC,PSPjC-PrPëPS, C†PīPsC†C,PμCḡC-PiP°P»P°C†CЦ P·PrP°C,PSC-C†C,CH PrPs
PīCḡPsP±C†PrP¶PμPSPSCЦ C- PIPsPSPë CḡPμP°PīC†PIP°P»Pë PSP° P·PsPIPSC-C€PSC-
PīPsPrCḡP°P·PSPëPePë PīCḡPë C†C,PëPjC†P»CЦC†C-C—. PμCḡPë PIC-PrC†C†C,PSPsC†C,C-
C-PSC€PëC... PeP»C-PSC-C±PSPëC... C†PëPjPīC,PSPjC-PI PrP°PSP° PsP·PSP°PeP° PsPeCḡPμPjPs
PSPμ PīPsPIPëPSPSP° CḡPsP·PiP»CЦPrP°C,PëC†CЦ CЦPe PSPμPμC,,PμPeC,PëPIPSC-C†C,CH
P»C-PeP°CḡC†CHPePsPiPs P·P°C†PsP±C†.

P—P°P·PIPëC±P°P№ PrPμPeC†PjPμPrPμC,PSPjC-PrPëPS PSPμ C†PīCḡPëC±PëPSCЦC”
PiP»PëP±PsPePsC— C†PμPrP°C†C-C—, C,PSPjC† PīP°C†C-C”PSC,C-PI PjPsP¶PSP° P»PμPiPePs
PīCḡPsP±C†PrPëC,Pë. PhC,P¶Pμ, PrPμPeC†PjPμPrPμC,PSPjC-PrPëPS PSPμ PīC-PrC...PsPrPëC,CH
PīP°C†C-C”PSC,P°Pj, CЦPePëPj PiPsC,CḡC-P±PSP° PīPsC†C,C-P№PSP° PiP»PëP±PsPeP°
C†PμPrP°C†C-CЦ.

PлPIP°PSP°PrPμPeC† PSPμ C†P»C-Pr P·P°C†C,Psc†PsPIC†PIP°C,Pë CЦPe P·P°PiP°P»CHPSPëP№
P°PSPμC†C,PμC,PëC±PSPëP№ P·P°C†C-P± PīCḡPë C-PSPPrC†PeC†C-C— C-PSC,C†P±P°C†C-C—
P°P±Ps PrP»CЦ P·P°P±PμP·PīPμC±PμPSPSCЦ C†PμPrP°C†C-C— PīCḡPë
P·P°C†C,Psc†C†PIP°PSPSC- PjC-PsCḡPμP»P°PeC†P°PSC,C-PI.

P”PμPeC†PjPμPrPμC,PSPjC-PrPëPS B PSPμ PjP°C” PīCḡPsC,PëC†C†PrPsPjPSPsC— PrC-C—,
PIP»P°C†C,PëIPsC— PrPμCЦPePëPj C-PSC€PëPj C†PμPrP°C,PëPIPSPëPj P·P°C†PsP±P°Pj,
C,PSPjC† PIC-PS PSPμ PīCḡPëPiPSC-C±C†C” Psc†PSPsPIPSC† C†C†PrPsPjPSC†
P°PeC,PëPIPSC-C†C,CH.

PŷP»C-Pr PrPsC,CḡPëPjC†PIP°C,PëC†CЦ PsP±PμCḡPμP¶PSPsC†C,C- PīCḡPë
PsPrPSPsC±P°C†PSPsPjC† P·P°C†C,Psc†C†PIP°PSPSC- PrPμPeC†PjPμPrPμC,PSPjC-PrPëPSC† P·
P»C-PeP°CḡC†CHPePëPjPë P·P°C†PsP±P°PjPë, C%Ps PjP°CḡC,CH C†PμPrP°C,PëPIPSPëP№
PμC,,PμPeC, P°P±Ps PIPīP»PëPIP°CḡC,CH PSP° C†PμCḡC†PμPIPSC-C†C†PrPëPSPSC†
C†PëC†C,PμPjC†, C±PμCḡPμP· PjPsP¶P»PëPIC-C†C,CH P°PrPëC,PëPIPSPsPiPs PμC,,PμPeC,C†.

PлPIP°PSP°PrPμPeC† PSPμ CḡPμPePsPjPμPSPPrC†C”C,CHC†CЦ P·P°C†C,Psc†PsPIC†PIP°C,Pë
PrP»CЦ PePsPSC,CḡPsP»CHPsPIP°PSPsC— PīP°C†C-C”PSC,PSPj C†PμPrP°C†C-C—.
P’C-PrPīPsPIC-PrPSC- PrP°PSC- PIC-PrC†C†C,PSC-.

PīPeC%Ps PлPIP°PSP°PrPμPeC† P·P°C†C,Psc†PsPIC†PIP°C,Pë PI P°PjP±C†P»P°C,PscḡPSPëC...

CfPjPsPIP° C..., PIPëPiPëCfPeP° PiP° C†C-C" PSC, P° PjPsP¶P»PëPIP° PiC-Pr PSP° PiP»CfP
C, C¶PµC, CHPsC— CfC, PsC¶PjPsPSPë. PµP° C†C-C" PSC, P° Pj CfP»C-Pr PiPsC¶P° PrPëC, Pë
CfC, C¶PëPjCfPIP° C, PëCfCf PIC-Pr PePµC¶CfPIP° PSPSCf P° PIC, PsC, C¶P° PSCf PiPsC¶C, PsPj
C, P° PIPëPePsPSP° PSPSCf C-PSCëPëC... PSPµP±PµP·PiPµC±PSPëC... P·P° PIPrP° PSC¶.
PiPëC%Ps PjPsP¶P»PëPIPs, C, C¶PµP±P° CfPSPëPeP° C, Pë P·P° CfC, PsCfCfPIP° PSPSCf
C-PSCëPëC... P·P° CfPsP±C-PI C-P· CfPµPrP° C, PëPIPSPëPj PµC,, PµPeC, PsPj
(PSP° PiC¶PëPeP»P° Pr, P±PµPSP·PsPrC-P° P·PµPiC-PSC-PI, PsPiC-PsC—PrC-PI,
P°P»PePsPiPsP»C¶) PIPiC¶PsPrPsPIP¶ PiPµPIPSPsPiPs PiPµC¶C-PsPrCf, P·P°P»PµP¶PSPs PIC-Pr
PµC,, PµPeC, C-PI PrPµPeCfPjPµPrPµC, PsPjC-PrPëPSCf, C%Ps
CfPiPsCfC, PµC¶C-PiP° C¶C, CHCfCf, PiC¶PsC†PµPrCfC¶Pë, CfCfPiCfC, PSC-C...
P»C-PeP° C¶CfCHPePëC... P·P° CfPsP±C-PI, PIC-PeCf C, P° CfC, P° PSCf PiP° C†C-C" PSC, P°.

P¶P»C-Pr P±CfC, Pë PsP±PµC¶PµP¶PSPëPj PiC¶Pë P·P° CfC, PsCfCfPIP° PSPSC-
PrPµPeCfPjPµPrPµC, PsPjC-PrPëPSCf PiP° C†C-C" PSC, P° Pj P»C-C, PSC¶PsPiPs PIC-PeCf.
PµP° C†C-C" PSC, Pë PIC-PePsPj PIC-Pr 65 C¶PsPeC-PI PjPsP¶CfC, CH P±CfC, Pë P±C-P»CHCë
CfC... PëP»CHPSC- PrPs C¶PsP·PIPëC, PeCf PiC-PiPsC, PµPSP·C-C— PiC¶Pë
P·P° CfC, PsCfCfPIP° PSPSC- PrPµPeCfPjPµPrPµC, PsPjC-PrPëPSCf, Cf C, PsPjCf C±PëCfP»C-
PiC¶Pë PIPiPµPrPµPSPSC- PSP° PIP° PSC, P° P¶CfPIP° P»CHPSPsC— PrPsP·Pë PiC¶Pë
PiC¶PsPIPµPrPµPSPSC- PiC¶PsC†PµPrCfC¶. P¶P»C-Pr C¶PsP·PiP»CfPSCfC, Pë
PjPsP¶P»PëPIC-CfC, CH P·PSPëP¶PµPSPSCf PrPsP·Pë (PrPëPI. C¶PsP·PrC-P» B«P¶PiPsCfC-P±
P·P° CfC, PsCfCfPIP° PSPSCf C, P° PrPsP·PëB»).

P¶PjPµC¶C, PSC-CfC, CH CfPµC¶PµPrB PiP° C†C-C" PSC, C-PI PIC-PePsPj ≤ 65 C¶PsPeC-PI Cf
PIC-PrPrC-P»PµPSPSC- C-PSC, PµPSCfPëPIPSPsC— C, PµC¶P° PiC-C—

Pj PiC¶P° PiPjP° C, PëC±PSPsPjCf C¶P° PSPrPsPjC-P·PsPIP° PSPsPjCf
PePsPSC, C¶PsP»CHPsPIP° PSPsPjCf PrPsCfP»C-PrP¶PµPSPSC- SPICE III P·P° CfC±P° CfC, C¶
3904 PrPsC¶PsCfP»PëC... PiP° C†C-C" PSC, C-PI PI PeC¶PëC, PëC±PSPsPjCf CfC, P° PSC- Cf
PIC-PrPrC-P»PµPSPSC- C-PSC, PµPSCfPëPIPSPsC— C, PµC¶P° PiC-C—
PrPµPeCfPjPµPrPµC, PsPjC-PrPëPS PIPëPePsC¶PëCfC, PsPICfPIP° PICfCf C¶Pe
PsCfPSPsPIPSPëPñ CfPµPrP° C, PëPIPSPëPñ P·P° CfC-P± C- PiPsC¶C-PIPSC¶PIP° PICfCf P·C-
P·PIPëC±P° PñPSPëPj P»C-PeCfPIP° PSPSCfPj. P¶Pµ P±CfP»Ps P·P° PiP° P»CHPSPsC—
C¶C-P·PSPëC†C- PI 90-PrPµPSPSC-Pñ CfPjPµC¶C, PSPsCfC, C- PjC-P¶ PiC¶CfPiPsC¶
PrPµPeCfPjPµPrPµC, PsPjC-PrPëPSCf C, P° PiC¶CfPiPsC¶ P·PIPëC±P° PñPSPsPiPs
P»C-PeCfPIP° PSPSCf (CfPjPµC¶C, PSC-CfC, CH 29,1 % PI PsP±PsC... PiC¶CfPiP° C...), P°P»Pµ
CfPiPsCfC, PµC¶C-PiP° P»P° CfCf PSPµPsPrPSPsC¶C-PrPSC-CfC, CH PIPiP»PëPICf PIC-PeCf
PSP° CfPjPµC¶C, PSC-CfC, CH. P" PµPeCfPjPµPrPµC, PsPjC-PrPëPS P° CfPsC†C-C¶PIP° PICfCf
P·C- P·P±C-P»CHCëPµPSPSCfPj CfPjPµC¶C, PSPsCfC, C- Cf PIC-PePsPIC-Pñ PiC¶CfPiC- ≤ 65
C¶PsPeC-PI (CfPiC-PIPIC-PrPSPsCëPµPSPSCf CëP° PSCfC-PI 1,26; 95 % P" P†: 1,02, 1,56)
PiPsC¶C-PIPSCfPSPs P·P°P»CHC, PµC¶PSP° C, PëPIPSPëPjPë CfPµPrP° C, PëPIPSPëPjPë
P·P° CfPsP±P° PjPë. P¶PsC±P° PjPµC... P° PSC-P·Pj C†CHPsPiPs C¶PIPëC%P° PSPµCfCfPSPëPñ,
PSPµPsPrPSPsC¶C-PrPSC-CfC, CH PIPiP»PëPICf PIC-PeCf PSP° CfPjPµC¶C, PSC-CfC, CH
P±CfP»P° PSP° PñP±C-P»CHCë PiPsPjC-C, PSPsC¶ Cf PIPëPiP° PrPeP° C... C¶P° PSPSCHPsPiPs
P·P° CfC, PsCfCfPIP° PSPSCf PIPëCfPsPePëC... PrPsP· PrPµPeCfPjPµPrPµC, PsPjC-PrPëPSCf
PrP»Cf PrPsCfCfPiPSPµPSPSCf PiP»PëP±PsPePsC— CfPµPrP° C†C-C— Cf PiP° C†C-C" PSC, C-PI,
C¶PeC- P±CfP»Pë PiPsCfPiC-C, P°P»C-P·PsPIP° PSC- P· C-PSCëPëC... PiC¶PëC±PëPS, PSC-P¶
PiC-CfP»CfPsPiPµC¶P° C†C-PñPSPëPñ PrPsPiP»CfP, C- P·C¶PsCfC, P°P»P° P·C-
P·P±C-P»CHCëPµPSPSCfPj PiPsPeP° P·PSPëPeC-PI APACHE II C- P·C- P·PjPµPSCëPµPSPSCfPj
PIC-PeCf PiP° C†C-C" PSC, C-PI. PjC- PIPëCfPSPsPiPëPë CfP»C-Pr P·C-CfC, P° PIPëC, Pë P·
PsC±C-PeCfPIP° PSPsC¶ PeP»C-PSC-C±PSPsC¶ PePsC¶PëCfC, C¶
PrPµPeCfPjPµPrPµC, PsPjC-PrPëPSCf PiPsC¶C-PIPSCfPSPs P·

P°P»CHC, PμCḡPSP°C, PēPIPSPēPjPē CÍPμPrP°C, PēPIPSPēPjPē P·P°CÍPsP±P°PjPē Cí PjPsP»PsPrC€PēC... PīP°C†C-C”PSC, C-PI.

P’PīP»PēPI PSP° CÍPμCḡC†Pμ C- CÍCíPrPēPSPē C, P° P·P°PīPsP±C-P¶PSC- P·P°C...PsPrPē

P”PμPēCÍPjPμPrPμC, PsPjC-PrPēPS P·PSPēP¶CíC” C†P°CÍC, PsC, Cí CÍPμCḡC†PμPIPēC... CÍPēPsCḡPsC†PμPSCḡ C- P°CḡC, PμCḡC-P°P»CHPSPēPNē C, PēCÍPē (P·P° CḡP°C...CíPSPsPe C†PμPSC, CḡP°P»CHPSPsC— CÍPēPjPīP°C, PsP»C-C, PēC†PSPsC— PrC-C—), P°P»Pμ PI P±C-P»CHC€ PIPēCÍPsPePēC... PēPsPSC†PμPSC, CḡP°C†C-C¶C... CÍPīCḡPēC†PēPSC¶C” PīPμCḡPēC, PμCḡPēC†PSCí PIP°P·PsPePsPSCÍC, CḡPēPēC†C-Cḡ, C%Ps PīCḡPēP·PIPsPrPēC, CH PrPs PīC-PrPIPēC%PμPSPSC¶ P°CḡC, PμCḡC-P°P»CHPSPsPiPs C, PēCÍPēCí (PrPēPI. CḡPsP·PrC-P» B«PαP°CḡPjP°PēPsPrPēPSP°PjC-PeP°B»). PŷPsPjCí PŷPIP°PSP°PrPμPēCÍ PSPμ PīC-PrC...PsPrPēC, CH PīP°C†C-C”PSC, P°Pj C-P· C, C¶P¶PēPēPjPē CÍPμCḡC†PμPIPs- CÍCíPrPēPSPSPēPjPē P·P°C...PIPSCḡCḡPIP°PSPSC¶PjPē.

PμCḡPē PIPIPμPrPμPSPSC- PrPμPēCÍPjPμPrPμC, PsPjC-PrPēPSCí PīP°C†C-C”PSC, P°Pj C-P· CÍCíPīCíC, PSCḡPsCḡ P±CḡP°PrPēPēP°CḡPrC-C”Cḡ CÍP»C-Pr PrPsC, CḡPēPjCíPIP°C, PēCÍC¶ PsP±PμCḡPμP¶PSPsCÍC, C-. P”P°PSC- C%PsPrPs PIPīP»PēPICí P»C-PeP°CḡCÍCḡPēPsPiPs P·P°CÍPsP±Cí PSP° PīP°C†C-C”PSC, C-PI P· C†P°CÍC, PsC, PsCḡ CÍPμCḡC†PμPIPēC... CÍPēPsCḡPsC†PμPSCḡ < 60 PsP±PjPμP¶PμPSC-, C, PsPjCí C, P°PēPēPj PīP°C†C-C”PSC, P°Pj PīPsC, CḡC-P±PSPs PīCḡPēPrC-P»C¶C, Pē PsCÍPsP±P»PēPICí CíPIP°PīCí.

P’CḡP°PrPēPēP°CḡPrC-C¶, C¶Pē PīCḡP°PIPēP»Ps, PSPμ PīPsC, CḡPμP±CíC” P»C-PeCíPIP°PSPSC¶, PīCḡPē PSPμPsP±C...C-PrPSPsCÍC, C- PīC-PrPrP°C”C, CHCÍC¶ P»C-PeCíPIP°PSPSCḡ P°PSC, PēC...PsP»C-PSPμCḡPīC-C†PSPēPjPē PīCḡPμPīP°CḡP°C, P°PjPē P°P±Ps P·PSPēP¶PμPSPSC¶Pj PrPsP·Pē P»C-PeP°CḡCÍCḡPēPsPiPs P·P°CÍPsP±Cí. PμP°C†C-C”PSC, Pē P· PIPēCÍPsPePsCḡ C,, C-P·PēC†PSPsCḡ PīC-PrPiPsC, PsPIPePsCḡ C- PjP°CḡC, CH PSPēP·CHPeCí C†P°CÍC, PsC, Cí CÍPμCḡC†PμPIPēC... CÍPēPsCḡPsC†PμPSCḡ PI CÍC, P°PSC- CÍPīPsPePsCḡ, PjPsP¶CíC, CH P±CíC, Pē PsCÍPsP±P»PēPIPs C†CíC, P»PēPIC- PrPs PSPμPīP°C, PēPIPSPsPiPs C...CḡPsPSPsC, CḡPsPīPSPsPiPs PμC,, PμPēC, Cí P°PīPsPSC-CÍC, C-PI a₂- P°PrCḡPμPSPsCḡPμC†PμPīC, PsCḡC-PI; P±CíP»Pē PsPīPēCÍP°PSC- PIPēPīP°PrPēPē P±P»PsPeP°PrPē CÍPēPSCíCÍPsPIPisPiPs PICíP·P»P°. PμPsPIC-PrPsPjP»C¶P»Pē C, P°PēPsP¶ PīCḡPs PIPēPīP°PrPēPē P·CíPīPēPSPePē CÍPμCḡC†C¶, C¶PēPēPj C†P°CÍC, Ps PīPμCḡPμPrCíPIP°P»Pē P±CḡP°PrPēPēP°CḡPrC-C¶ P°P±Ps P°C, CḡC-PsPIPμPSC, CḡPēPēCíP»C¶CḡPSP° P±P»PsPeP°PrP° (PrPēPI. CḡPsP·PrC-P» B«PμPsP±C-C†PSC- CḡPμP°PēC†C-C-B»).

Pj PīP°C†C-C”PSC, C-PI C-P· CÍCíPīCíC, PSCḡPsCḡ P°CḡC, PμCḡC-P°P»CHPSPsCḡ PīC-PīPsC, PμPSP·C-C”Cḡ (PsCÍPsP±P»PēPIPs CḡPμC,, CḡP°PēC, PμCḡPSPsCḡ PrPs PIP°P·PsPīCḡPμCÍPsCḡC-PI), Cí C, PsPjCí C†PēCÍP»C- C...CḡPsPSC-C†PSPsCḡ, PīC-PīPsPIPisP»PμPjC-C”Cḡ P°P±Ps P·PSPēP¶PμPSPēPj C,, CíPSPeC†C-PsPSP°P»CHPSPēPj CḡPμP·PμCḡPIPisPj, P·PsPeCḡPμPjP° Cí PīP°C†C-C”PSC, C-PI P· C, C¶P¶PēPsCḡ C€P»CíPSPsC†PēPsPIPisCḡ PrPēCÍC,, CíPSPeC†C-C”Cḡ C- PīP°C†C-C”PSC, C-PI P»C-C, PSCḡPsPiPs PIC-PeCí, PīC-PīPsC, PμPSP·PēPIPSPēPNē PμC,, PμPēC, PrPμPēCÍPjPμPrPμC, PsPjC-PrPēPSCí PjPsP¶Pμ P±CíC, Pē P±C-P»CHC€ PIPēCḡP°P¶PμPSPēPj, C- PI C†PēC... PIPēPīP°PrPēP°C... PīPsC, CḡC-P±PSP° PsCÍPsP±P»PēPIP° PsP±PμCḡPμP¶PSC-CÍC, CH (PrPēPI. CḡPsP·PrC-P» B«PμCḡPsC, PēPīPsPeP°P·P°PSPSC¶B»). P—PSPēP¶PμPSPSC¶ P°CḡC, PμCḡC-P°P»CHPSPsPiPs C, PēCÍPēCí, C¶Pē PīCḡP°PIPēP»Ps, PSPμ PIPēPjP°PīP°C” CÍPīPμC†C-P°P»CHPSPēC... P·P°C...PsPrC-PI, P°P»Pμ PīCḡPē PSPμPsP±C...C-PrPSPsCÍC, C- CÍP»C-Pr P±CíC, Pē PīPsC, PsPIPēPj PrPs P·PSPēP¶PμPSPSC¶ PrPsP·Pē, PIPIPμPrPμPSPSC¶ P·P°CÍPsP±C-PI PrP»C¶ PīPsPīPsPIPSPμPSPSC¶ PsP±Bḡ™C”PjCí C†PēCḡPēCíP»CḡCḡC†PsC— PēCḡPsPIC- C, P°/P°P±Ps PIP°P·PsPePsPSCÍC, CḡPēPēC, PsCḡC-PI.

PJ PiP°C†C-C" PSC,C-PI P· PiPsCḡCfC€PμPSPSClPj PiPμCḡPëC,,PμCḡPëC†PSPsC—
P°PIC,PsPSPsPjPSPsC— PSPμCḡPIPSPsC— CÍPëCÍC,PμPjPë (PSP°PiCḡPëPeP»P°Pr,
PIPSP°CÍP»C-PrPsPe C,CḡP°PIPjPë CÍPiPëPSPSPsPiPs PjPsP·PeCf) PiPμPjPsPrPëPSP°PjC-C†PSC-
PμC,,PμPeC,Pë PiC-CÍP»CÍ PIPiPμPrPμPSPSCl P»C-PeP°CḡCÍCḡPePsPiPs P·P°CÍPsP±Cf
PjPsP¶CfC,Cḡ P±CfC,Pë P±C-P»CḡC€ PIPëCḡP°P¶PμPSPëPjPë C- PIPëPjP°PiP°C,Pë
PsCÍPsP±P»PëPIPsPiPs PrPsPiP»CÍPrCf P·P° PiP°C†C-C" PSC,PsPj.

PμCḡPë PIPiPμPrPμPSPSC- PSP°PIP°PSC,P°P¶CfPIP°P»CḡPSPsC— PrPsP·Pë
PrPμPeCÍPjPμPrPμC,PsPjC-PrPëPSCf CÍPiPsCÍC,PμCḡC-PiP°P»PsCÍCÍ
C,CḡP°PSP·PëC,PsCḡPSPμ PiC-PrPIPëC%PμPSPSCl P°CḡC,PμCḡC-P°P»CḡPSPsPiPs
C,PëCÍPeCf PI P·PiBḡ™ CÍP·PeCf P· PiPμCḡPëC,,PμCḡPëC†PSPëPj
PIP°P·PsPePsPSCÍC,CḡPëPeC,PsCḡPSPëPj PμC,,PμPeC,PsPj, C,PsPjCf PIPiPμPrPμPSPSCl
PSP°PIP°PSC,P°P¶CfPIP°P»CḡPSPsC— PrPsP·Pë PrP»CÍ CÍPμPrP°C†C-C— PI CfPjPsPIP°C...
PIC-PrPrC-P»PμPSPSCl C-PSC,PμPSCÍPëPIPsC— C,PμCḡP°PiC-C—, PSPμ
CḡPμPePsPjPμPSPPrCf"C,CḡCÍCÍ. P»C-PeCfPIP°PSPSCl PiC-PrPIPëC%PμPSPsPiPs
P°CḡC,PμCḡC-P°P»CḡPSPsPiPs C,PëCÍPeCf, CÍPe PiCḡP°PIPëP»Ps, PSPμ PiPsC,CḡC-P±PSPμ,
PsPrPSP°Pe CÍP»C-Pr CḡPsP·PiP»CÍPSCfC,Pë PjPsP¶P»PëPIC-CÍC,Cḡ P·PSPëP¶PμPSPSCl
C€PIPëPrPePsCÍC,C- PIPiPμPrPμPSPSCl P»C-PeP°CḡCÍCḡPePsPiPs P·P°CÍPsP±Cf.

PḡC-CÍC†PμPIP° PIP°P·PsPePsPSCÍC,CḡPëPeC†C-CÍ PiCḡPë PiC-PrPIPëC%PμPSC-PNë
PePsPSC†PμPSC,CḡP°C†C-C— PjPsP¶Pμ P±CfC,Pë P±C-P»CḡC€ P·PSP°C†CfC%PsCḡ Cf
PiP°C†C-C" PSC,C-PI P· C-C€PμPjC-C†PSPsCḡ C...PIPsCḡPsP±PsCḡ CÍPμCḡC†CÍ P°P±Ps
C,CÍP¶PePëPjPë C†PμCḡPμP±CḡPsPIP°CÍPeCfP»CÍCḡPSPëPjPë
P·P°C...PIPsCḡCḡPIP°PSPSClPjPë, P·P° C,P°PePëPjPë PiP°C†C-C" PSC,P°PjPë CÍP»C-Pr
CḡPμC,PμP»CḡPSPs PSP°PiP»CÍPrP°C,Pë. P"»CÍ PiP°C†C-C" PSC,C-PI P· PsP·PSP°PeP°PjPë
C-C€PμPjC-C— PjC-PsPeP°CḡPrP° P°P±Ps PiPsP»PsPIPsPiPs PjPsP·PeCf PjPsP¶Pμ P±CfC,Pë
PiPsC,CḡC-P±PSPëPj P·PSPëP¶PμPSPSCl PrPsP·Pë P»C-PeP°CḡCÍCḡPePsPiPs P·P°CÍPsP±Cf
P°P±Ps PiCḡPëPiPëPSPμPSPSCl PNëPsPiPs PIPiPμPrPμPSPSCl.

PŸP»C-Pr P±CfC,Pë PsP±PμCḡPμP¶PSPëPj PiCḡPë PIPiPμPrPμPSPSC-
PrPμPeCÍPjPμPrPμC,PsPjC-PrPëPSCf CḡP°P·PsPj P·C- CÍPiC-PSP°P»CḡPSPsCḡ C-
PμPiC-PrCfCḡP°P»CḡPSPsCḡ P°PSPμCÍC,PμP·C-C" Cḡ C†PμCḡPμP· PjPsP¶P»PëPIPëPNë
PiC-PrPIPëC%PμPSPëPNë CḡPëP·PëPe PiC-PiPsC,PμPSP·C-C— C- P±CḡP°PrPëPeP°CḡPrC-C—.

PμP°C†C-C" PSC,Pë P· PiPsCḡCfC€PμPSPSClPj C,,CfPSPeC†C-C— PiPμC†C-PSPePë

P©PsPrPs PiP°C†C-C" PSC,C-PI C-P· C,CÍP¶PePsCḡ PiPμC†C-PSPePsPIPsCḡ
PSPμPrPsCÍC,P°C,PSC-CÍC,Cḡ CÍP»C-Pr PrPsC,CḡPëPjCfPIP°C,PëCÍCÍ
PsP±PμCḡPμP¶PSPsCÍC,C-, PsCÍPeC-P»CḡPePë C†PμCḡPμP· P·PSPëP¶PμPSPëPNë
PeP»C-CḡPμPSCÍ PrPμPeCÍPjPμPrPμC,PsPjC-PrPëPSCf PSP°PrP»PëC€PePsPIPμ
PIPiPμPrPμPSPSCl P»C-PeP°CḡCÍCḡPePsPiPs P·P°CÍPsP±Cf PiC-PrPIPëC%CfPIP°C,PëPjPμ
CḡPëP·PëPe PiPsP±C-C†PSPëC... CḡPμP°PeC†C-PNë C- PSP°PrPjC-CḡPSPsC— CÍPμPrP°C†C-C—.

PμP°C†C-C" PSC,Pë P· PSPμPICḡPsP»PsPiC-C†PSPëPjPë CḡPsP·P»P°PrP°PjPë

P"PsCÍPIC-Pr P·P°CÍC,PsCÍCfPIP°PSPSCl PrPμPeCÍPjPμPrPμC,PsPjC-PrPëPSCf PiCḡPë
C,P°PePëC... C,CÍP¶PePëC... PSPμPICḡPsP»PsPiC-C†PSPëC... CÍC,P°PSP°C... CÍPe
C†PμCḡPμPiPSPs-PjPsP·PePsPIP° C,CḡP°PIPjP° C- PiC-CÍP»CÍPsPiPμCḡP°C†C-PNëPSPëPNë
PiPμCḡC-PsPr PiC-CÍP»CÍ PSPμPNëCḡPsC...C-CḡCfCḡPiC-C†PSPëC... PsPiPμCḡP°C†C-PNë
PsP±PjPμP¶PμPSPëPNë, C,PsPjCf PNëPsPiPs CÍP»C-Pr P·P°CÍC,PsCÍPsPICfPIP°C,Pë PiCḡPë
C,P°PePëC... CÍC,P°PSP°C... P· PsP±PμCḡPμP¶PSC-CÍC,Cḡ, PsCÍPsP±P»PëPIPs Cf CḡP°P·C-
PSPμPsP±C...C-PrPSPsCÍC,C- PiP»PëP±PsPePsC— CÍPμPrP°C†C-C—. PμCḡPë PIPëP±PsCḡC-

C, PμCḡP°PīC-C— CÍP»C-Pr PICḡP°C...PsPICfPIP°C, Pē, C%Ps PrPμPeCÍPjPμPrPμC, PsPjC-PrPēPS PjPsP¶Pμ P·PSPēP¶CfPIP°C, Pē C†PμCḡPμP±CḡP°P»CH̄PSPēPNē PeCḡPsPIPsPsP±C-Pi C- PIPSCfC, CḡC-CēPSCḡPsC†PμCḡPμPīPSPēPNē C, PēCÍPe.

P†PSCēC- P·P°CÍC, PμCḡPμP¶PμPSPSCÍ

PμCḡPē CḡC-P·PeC-PNē PIC-PrPjC-PSC- P°PiPsPSC-CÍC, C-PI a₂- P°PrCḡPμPSPsCḡPμC†PμPīC, PsCḡC-PI PīC-CÍP»CÍ C, CḡPēPIP°P»PsPiPs C—C... P·P°CÍC, PsCÍCfPIP°PSPSCÍ CÍ CḡC-PrPeC-CÍPSPēC... PIPēPIP°PrPeP°C... PIPēPSPēPeP°PI CÍPēPSPrCḡPsPj PIC-PrPjC-PSPē. P|Cḡ PjPsP¶P»PēPIC-CÍC, CH̄ CÍP»C-Pr PICḡP°C...PsPICfPIP°C, Pē, CÍPeC%Ps CÍ PīP°C†C-C”PSC, P° CḡPsP·PIPēPIP°C”C, CH̄CÍCÍ P·P±CfPrP¶PμPSPSCÍ C- PiC-PīPμCḡC, PμPSP·C-CÍ PSPμP·P°P±P°CḡPsPj PīC-CÍP»CÍ PīCḡPēPīPēPSPμPSPSCÍ PīCḡPēPNēPsPjCf PrPμPeCÍPjPμPrPμC, PsPjC-PrPēPSCf.

P”PμPeCÍPjPμPrPμC, PsPjC-PrPēPS PjPsP¶Pμ CÍPīCḡPēC†PēPSPēC, Pē PiC-PīPμCḡC, PμCḡPjC-Cḡ, CÍPeP° PjPsP¶Pμ P±CfC, Pē CÍC, C-PNēPePsCḡ PrPs C, CḡP°PrPēC†C-PNēPSPēC... PjPμC, PsPrC-PI PsC...PsP»PsPrP¶PμPSPSCÍ. PŸP»C-Pr PīCḡPēPīPēPSPēC, Pē P·P°CÍC, PsCÍCfPIP°PSPSCÍ PrPμPeCÍPjPμPrPμC, PsPjC-PrPēPSCf PīCḡPē CḡPsP·PIPēC, PeCf CÍC, C-PNēPePsC— PīP°CḡCÍC†PePē PSPμP·ḡḡ™ CÍCÍPsPIP°PSPsC— PμC, C-PsP»PsPiC-C—. P”PμPeCÍPjPμPrPμC, PsPjC-PrPēPS PSPμ CḡPμPePsPjPμPSPrCfC”C, CH̄CÍCÍ P·P°CÍC, PsCÍPsPICfPIP°C, Pē PīP°C†C-C”PSC, P°Pj, CÍC...PēP»CH̄PSPēPj PrPs P·P»PsCÍPeC-CÍPSPsC— PiC-PīPμCḡC, PμCḡPjC-C—.

PμPsPIC-PrPsPjP»CÍP»PsCÍCÍ PīCḡPs CḡPsP·PIPēC, PsPe PSPμC†CfPeCḡPsPIPsPiPs PrC-P°P±PμC, CÍ CÍ P·Pīḡḡ™ CÍP·PeCf P· P»C-PeCfPIP°PSPSCÍPj PrPμPeCÍPjPμPrPμC, PsPjC-PrPēPSPsPj. PīPeC%Ps PIPēPSPēPeP°C” PīPsP»C-CfCḡC-CÍ, CḡPμPePsPjPμPSPrCfC”C, CH̄CÍCÍ PīCḡPēPīPēPSPēC, Pē PīCḡPēPNēPsPj PrPμPeCÍPjPμPrPμC, PsPjC-PrC-PSCf C, P° PīPμCḡPμPIC-CḡPēC, Pē CḡC-PIPμPSCḡ PSP°C, CḡC-Cḡ PI CÍPēCḡPsPIP°C, C†C- PeCḡPsPIC- C, P° PsCÍPjPsP»CÍP»CH̄PSC-CÍC, CH̄ CÍPμC†C-.

P|PμPNē P»C-PeP°CḡCÍCH̄PePēPNē P·P°CÍC-P± PjC-CÍC, PēC, CH̄ PjPμPSCēPμ 1 PjPjPsP»CH̄ PSP°C, CḡC-Cḡ (23 PjPi) PSP° 1 PjP», C, PsP±C, Ps PīCḡP°PeC, PēC†PSPs PIC-P»CH̄PSPēPNē PIC-Pr PSP°C, CḡC-Cḡ.

P—P°CÍC, PsCÍCfPIP°PSPSCÍ Cf PīPμCḡC-PsPr PIP°PīC-C, PSPsCÍC, C- P°P±Ps PīPsPrCfPIP°PSPSCÍ PīCḡCfPrPrCḡ

P°PīC-C, PSC-CÍC, CH̄

P”P°PSC- PīCḡPs P·P°CÍC, PsCÍCfPIP°PSPSCÍ PrPμPeCÍPjPμPrPμC, PsPjC-PrPēPSCf PIP°PīC-C, PSPēPj P¶C-PSPeP°Pj PIC-PrCÍCfC, PSC- P°P±Ps PsP±PjPμP¶PμPSC-. Pj PrPsCÍP»C-PrP¶PμPSPSCÍC... PSP° C, PIP°CḡPēPSP°C... PIPēCÍPIP»PμPSPs CḡPμPīCḡPsPrCfPeC, PēPIPCf C, PsPeCÍPēC†PSC-CÍC, CH̄. P»C-PeP°CḡCÍCH̄PePēPNē P·P°CÍC-P± PSPμ CÍP»C-Pr P·P°CÍC, PsCÍPsPICfPIP°C, Pē CÍ PīPμCḡC-PsPr PIP°PīC-C, PSPsCÍC, C-, CÍPeC%Ps PeP»C-PSC-C†PSPēPNē CÍC, P°PS P¶C-PSPePē PSPμ PIPēPjP°PīP°C” P»C-PeCfPIP°PSPSCÍ PrPμPeCÍPjPμPrPμC, PsPjC-PrPēPSPsPj.

PμPμCḡC-PsPr PīPsPrCfPIP°PSPSCÍ PīCḡCfPrPrCḡ

P”PμPeCÍPjPμPrPμC, PsPjC-PrPēPS PīCḡPsPSPēPeP°C” CÍ PīCḡCfPrPSPμ PjPsP»PsPePs

P»CҺPrPëPSPë, PiCҺPsC, Pµ P№PsPiPs CҺC-PIPµPSCҺ P±CfPrPµ PSPëP¶C±PëPj PjPµP¶C-
PIPëC¶PIP»PµPSPSC¶ C±PµCҺPµP· 24 PiPsPrPëPSPë PiC-ClP»C¶ PiCҺPëPiPëPSPµPSPSC¶
PIPIPµPrPµPSPSC¶ P»C-PeP°CҺCfCҺPePsPiPs P·P°ClPsP±Cf. P PëP·PëPe PrP»C¶ PrPëC, PëPSPë
PSPµ PjPsP¶Pµ P±CfC, Pë PIPëPeP»CҺC±PµPSPëP№. P C-CëPµPSPSC¶ PiCҺPs
PiCҺPëPiPëPSPµPSPSC¶ PiCҺCfPrPSPsPiPs PIPëPiPsPrPsPICfPIP°PSPSC¶ P°P±Ps
PiCҺPëPiPëPSPµPSPSC¶ C, PµCҺP°PiC-C— PrPµPeClPjPµPrPµC, PsPjC-PrPëPSPsPj PjP°C”
P±CfC, Pë PiCҺPëP№PSC¶C, Ps P· CfCҺP°C...CfPIP°PSPSC¶Pj PePsCҺPëClC, C-
PiCҺCfPrPSPsPiPs PIPëPiPsPrPsPICfPIP°PSPSC¶ PrP»C¶ PrPëC, PëPSPë C- PePsCҺPëClC, C-
C, PµCҺP°PiC-C— PrPµPeClPjPµPrPµC, PsPjC-PrPëPSPsPj PrP»C¶ PjP°C, PµCҺC-.

PαPµCҺC, PëP»CҺPSC-ClC, CҺ

P' PrPsClP»C-PrP¶PµPSPSC- C, PµCҺC, PëP»CҺPSPsClC, C- PSP° C%oCfCҺP°C...
PrPµPeClPjPµPrPµC, PsPjC-PrPëPS PSPµ PIPiP»PëPIP°PI PSP° CҺPµPiCҺPsPrCfPeC, PëPIPSCr
C, CfPSPeC†C-CҺ ClP°PjC†C-PI P°P±Ps ClP°PjPsPe. P”P°PSC- C%oPsPrPs PIPiP»PëPICf PSP°
CҺPµPiCҺPsPrCfPeC, PëPIPSCr C, CfPSPeC†C-CҺ P»CҺPrPëPSPë PIC-PrClCfC, PSC-.

***P—PrP°C, PSC-ClC, CҺ PIPiP»PëPIP°C, Pë PSP° CëPIPëPrPeC-ClC, CҺ CҺPµP°PeC†C-C—
PiCҺPë PePµCҺC±PIP°PSPSC- P°PIC, PsC, CҺP°PSCfPiPsCҺC, PsPj P°P±Ps C-PSCëPëPjPë
PjPµC...P°PSC-P·PjP°PjPë***

PµP°C†C-C”PSC, P°Pj CҺPµPePsPjPµPSPrCfC”C, CҺClC¶ CfC, CҺPëPjP°C, PëClC¶ PIC-Pr
PePµCҺCfPIP°PSPSC¶ C, CҺP°PSCfPiPsCҺC, PSPëPjPë P·P°ClPsP±P°PjPë P°P±Ps
PIPëPePsPSP°PSPSC¶ C-PSCëPëC... PSPµP±PµP·PiPµC±PSPëC... P·P°PIPrP°PSCҺ
PiCҺPsC, C¶PiPsPj PiPµPIPSPsPiPs C±P°ClCf PiC-ClP»C¶ PIPIPµPrPµPSPSC¶
P»C-PeP°CҺCfCҺPePsPiPs P·P°ClPsP±Cf PrP»C¶ PiCҺPsC†PµPrCfCҺPSPsC—
ClPµPrP°C†C-C—.

PŸPiPsClC-P± P·P°ClC, PsClC±PIP°PSPSC¶ C, P° PrPsP·Pë

P”P»C¶ ClPµPrP°C†C-C— PrPsCҺPsClP»PëC... PiP°C†C-C”PSC, C-PI Cf
PIC-PrPrC-P»PµPSPSC¶C... P°PSPµClC, PµP·C-PsP»PsPiC-C—, CҺPµP°PSC-PjP°C†C-C— C, P°
C-PSC, PµPSCfPëPIPSPsC— C, PµCҺP°PiC-C— (P’PҺP P†PŸ), C¶PeC- PiPsC, CҺPµP±CfCҺC, CҺ
CҺC-PIPSC¶ ClPµPrP°C†C-C— PSPµ PiP»PëP±CëPµ, PSC-P¶ PiCҺPsP±CfPrP¶PµPSPSC¶ Cf
PIC-PrPiPsPIC-PrCҺ PSP° PiPsP»PsClPsPICf ClC, PëPjCfP»C¶C†C-CҺ (PIC-PrPiPsPIC-PrP°C”
PrC-P°PiP°P·PsPSCf PIC-Pr 0 PrPs BҺ“3 P±P°P»C-PI P·P° CëPeP°P»PsCҺ P°P¶PëC, P°C†C-C—
ClPµPrP°C†C-C— P C-C±PjPsPSPrP° [CëPeP°P»P° RASS])

PŸC-P»CҺPePë PrP»C¶ PiPsClPiC-C, P°P»CҺPSPsPiPs P·P°ClC, PsClCfPIP°PSPSC¶.
P»C-PeP°CҺCfCҺPePëP№ P·P°ClC-P± PҺPIP°PSP°PrPµPeCl PiPsPIPëPSPµPS
P·P°ClC, PsClPsPICfPIP°C, PëClC¶ C, P°C...C-PIC†C¶PjPë, C¶PeC- PjP°CҺC, CҺ PrPsClPIC-Pr
P»C-PeCfPIP°PSPSC¶ PiP°C†C-C”PSC, C-PI PI CfPjPsPIP°C... C-PSC, PµPSCfPëPIPSPsC—
C, PµCҺP°PiC-C—.

P”PsP·CfPIP°PSPSC¶

PµP°C†C-C”PSC, C-PI, C¶PePëPj PIP¶Pµ PiCҺPsPIPµPrPµPSP° C-PSC, CfP±P°C†C-C¶ C, P° C¶PeC-
P·PSP°C...PsPrC¶C, CҺClC¶ PI ClC, P°PSC- ClPµPrP°C†C-C—, PjPsP¶PSP°

PiPmuCjPmuPIPsPrPec,Pë PSP° PьPIP°PSP°PrPmuPecГ C-P. PiPsC±P°C,PePsPIPsCj
C€PIPëPrPec-ГГC,Cj C-PSC,,CfP·C-C— 0,7 PjPePi/PePi/PiPsPr, CjPeCf PjPsP¶PSP°
PiPsCГC,CfPiPsPIPs PePsCjPmuPiciPIP°C,Pë PI PjPmuP¶P°C... PrPsP·Pë 0,2Bj“1,4 PjPePi/PePi/PiPsPr
PrP»Cj PrPsCГCjPiPSPmuPSPSCj P±P°P¶P°PSPsPiPs CjC-PIPSCj ГГPmuPrP°CГC-C—,
P·P°P»PmuP¶PSPs PIC-Pr PIC-PrPiPsPIC-PrC- PiP°CГC-C”PSC,P° PSP° P»C-PeP°CjГГCjCjPëPëPm
P·P°CГC-P±. P”P»Cj PsCГP»P°P±P»PmuPSPëC... PiP°CГC-C”PSC,C-PI ГГP»C-Pr
CjPsP·PiP»CjPSCfC,Pë PrPsCГC-P»CjPSC-ГГC,Cj P·P°CГC,PsCГCfPIP°PSPSCj
PSP°PmPSPëP¶C±Ps— PiPsC±P°C,PePsPIPsC— C€PIPëPrPecPscГC,C- C-PSC,,CfP·C-C—.
P”PmuPecГГPjPmuPrPmuC,PsPjC-PrPëPS C” PiPsC,CfP¶PSPëPj P·P°CГГPsP±PsPj, C,PsPjCf
C€PIPëPrPec-ГГC,Cj PmPsPiPs PIPIPmuPrPmuPSPSCj PIPEP°P·CfC”C,CjCГГCj PI
CjPsP·CjP°C...CfPSPecf PSP° PiPsPrPëPSCf. PµC-ГГP»Cj PePsCjPmuPecГC-C— PrPsP·Pë
PrPsCГГCjPiPSPmuPSPSCj PSP°P»PmuP¶PSPsPiPs CjC-PIPSCj ГГPmuPrP°CГC-C— PjPsP¶Pmu
P·P°PmPSCjC,Pë PrPs PsPrPSC-C”C— PiPsPrPëPSPë.

PьP°PeCГГPëPjP°P»CjPSP° PrPsP·P°. PkPmu ГГP»C-Pr PiPmuCjPmuPIPëC%oCfPIP°C,Pë
PjP°PeCГГPëPjP°P»CjPSCf PrPsP·Cf 1,4 PjPePi/PePi/PiPsPr. PµP°CГC-C”PSC,C-PI, CjPeC-
PSPmu P·PjPsPiP»Pë PrPsCГГCjPiC,Pë PSP°P»PmuP¶PSPsPiPs CjC-PIPSCj ГГPmuPrP°CГC-C—
PiCjPë PjP°PeCГГPëPjP°P»CjPSC-Pm PrPsP·C- P»C-PeP°CjГГCjCjPëPsPiPs
P·P°CГГPsP±Cf, PSPmuPsP±C...C-PrPSPs PiPmuCjPmuPIPmuCГC,Pë PSP°
P°P»CjC,PmuCjPSP°C,PëPIPSPëPm ГГPmuPrP°C,PëPIPSPëPm P·P°CГC-P±.

P’PëPePsCjPëCГC,P°PSPSCj PSP°PIP°PSC,P°P¶CfPIP°P»CjPSPsC— PrPsP·Pë
PrPmuPecГГPjPmuPrPmuC,PsPjC-PrPëPSCf PrP»Cj ГГPmuPrP°CГC-C— PSPmu
CjPmuPePsPjPmuPSPrCfC”C,CjCГГCj, PsCГГPeC-P»CjPëPë CГPmu PiPsPiBj™ CjP·P°PSPs P·
PiC-PrPIPëC%oPmuPSPëPj CjC-PIPSPmuPj PiPsP±C-C±PSPëC... PmuC,,PmuPec,C-PI. Pj CjP°P·C-
PSPmuPsP±C...C-PrPSPsCГC,C- PjPsP¶PSP° P·P°CГC,PsCГГPsPICfPIP°C,Pë PiCjPsPiPsC,,PsP»
P°P±Ps PjC-PrP°P·PsP»P°Pj PrPs PrPsCГГCjPiPSPmuPSPSCj PeP»C-PSC-C±PSPsPiPs PmuC,,PmuPec,Cf
PrPmuPecГГPjPmuPrPmuC,PsPjC-PrPëPSCf.

PjCjPëPIP°P»C-ГГC,Cj P·P°CГC,PsCГCáPIP°PSPSCj.

P”PsCГPIC-Pr P·P°CГC,PsCГCfPIP°PSPSCj PьPIP°PSP°PrPmuPecГГCf PiPsPSP°Pr 14 PrPSC-PI
PIC-PrCГCfC,PSC-Pm. PµCjPë P·P°CГC,PsCГCfPIP°PSPSC- P»C-PeP°CjГГCjCjPëPsPiPs
P·P°CГГPsP±Cf P±C-P»CjC€Pmu 14 PrPSC-PI PSPmuPsP±C...C-PrPSPs
CjPmuPiciP»CjCjPSPs PsCГC-PSCjPIP°C,Pë CГC,P°PS PiP°CГC-C”PSC,P°.

P”P»Cj ГГPmuPrP°CГC-C— PSPmuC-PSC,CfP±PsPIP°PSPëC... PiP°CГC-C”PSC,C-PI PrPs/P°P±Ps
PiC-Pr C±P°CГГ PrC-P°PiPSPsCГC,PëC±PSPëC... P°P±Ps C...C-CjCfCjPiC-C±PSPëC...
PiCjPsCГPmuPrCfCj, PrP»Cj CjPePëC... PiPsC,CjC-P±PSP° ГГPmuPrP°CГC-Cj C,PsP±C,Ps
PiCjPsCГPmuPrCfCjPSP° ГГPmuPrP°CГC-Cj / ГГPmuPrP°CГC-Cj PI ГГPIC-PrPsPjPsCГC,C-

P»C-PeP°CjГГCjCjPëPëPm P·P°CГC-P± PьPIP°PSP°PrPmuPecГГ PiPsPIPëPSPmuPS
P·P°CГC,PsCГГPsPICfPIP°C,PëCГГCj C,,P°C...C-PICГГCjPjPë, CjPeC- PjP°CjC,Cj PrPsCГPIC-Pr
PiCjPsPIPmuPrPmuPSPSCj PiCjPsCГPmuPrCfCjPSPsC— ГГPmuPrP°CГC-C— PiP°CГC-C”PSC,P°Pj, PI
PsPiPmuCjP°CГC-PmPSC-Pm P°P±Ps PiC-Pr C±P°CГГ PrC-P°PiPSPsCГC,PëC±PSPëC...
PiCjPsCГPmuPrCfCj.

PiPec%oPs PIPIPsPrPëC,Pë PьPIP°PSP°PrPmuPecГГ PrP»Cj ГГPmuPrP°CГC-C— P·C-
P·P±PmuCjPmuP¶PmuPSPSCjPj ГГPIC-PrPsPjPsCГC,C-, PiP°CГC-C”PSC,Pë PiPsPIPëPSPSC-
PiPsCГC,C-PmPSPs P·PSP°C...PsPrPëC,PëCГГCj PiC-Pr PePsPSC,CjPsP»PmuPj PsCГC-P±, PSPmu
P·P°PrC-CjPSPëC... Cf PIPëPePsPSP°PSPSC- PrC-P°PiPSPsCГC,PëC±PSPsC— P°P±Ps

C...C-CTHCPC-C#PSPsC— PICTHPSCTPμPrCCTHPē. PŸP»C-Pr P·PrC-PMCTPSCPIP°C,Pē
PiPsCCTC,C-PMCTPSPēPMCTPSP°PiP»CCTPr P·P° PiP°CCTC-C”PSC,P°PjPē PrP»CCT PIPēCCTPIP»PμPSPSCCT
CTHP°PSPSC-C... PsP·PSP°Pe PiC-PiPsC,PμPSP·C-C—, PiC-PiPμCTHC,PμPSP·C-C—,
P±CTHP°PrPēPeP°CTHPrC-C—, PICTHPēPiPSC-C#PμPSPSCCT PrPēC...P°PSPSCCT,
PsP±CCTC,CTHCPCCTC-C— PrPēC...P°P»CHPSPēC... CēP»CCTC...C-PI, P·CfPiPēPSPēPē
PrPēC...P°PSPSCCT, P·P°PrPēCēPePē C-/P°P±Ps PePēCCTPSPμPIPsC— PrPμCCTP°C,CfCTHP°CTC-C—
(PrPēPI. CTHPsP·PrC-P» B«PμPsP±C-C#PSC- CTHPμP°PeCCTC-C—B»).

PkPμPsP±C...C-PrPSPs P·P°P±PμP·PiPμC#PēC,Pē PSP°CCTPIPSC-CCTC,CH
PsPeCCTPēPiPμPSPsC,PμCTHP°PiC-C—, CCTPeP° PiPsPIPēPSPSP° P±CfC,Pē PSPμPiP°PMCTPSPs
P·P°CCTC,PsCCTPsPIP°PSP° PICTHPē PSP°CCTPIPSPsCCTC,C- PiPsPeP°P·P°PSCH.
PkP°CCTPēC#PμPSPSCCT PeCTHPsPIC- PePēCCTPSPμPj PiPsC,CTHC-P±PSPs
PePsPSC,CTHPsP»CHPIP°C,Pē P·P° PrPsPiPsPjPsPiPsCH PiCfP»CHCCTPsPIPsC—
PsPeCCTPēPjPμC,CTHC-C—.

PμPIP°PSP°PrPμPeCCT PIPiPsPrPēC,Pē Cf PIPēPiP»CCTPrC-
PSP°PIP°PSC,P°P¶CfPIP°P»CHPSPsC— C-PSC,,CfP·C-C—, P·P° CCTPePsCH CTP»C-PrCfC”
PiC-PrC,CTHPēPjCfPIP°P»CHPSP° C-PSC,,CfP·C-CCT. P—P°P»PμP¶PSPs PIC-Pr
PiCTHPSCTPμPrCCTHPē PjPsP¶Pμ P±CfC,Pē PiPsC,CTHC-P±PSP° PIC-PrPiPsPIC-PrPSP°
PjC-CCTCTPμPIP° P°PSPμCCTC,PμP·C-CCT P°P±Ps P°PSP°P»PiPμP·C-CCT PrP»CCT
PrPsCCTCCTPiPSPμPSPSCCT P±P°P¶P°PSPsPiPs PeP»C-PSC-C#PSPsPiPs PμC,,PμPeC,Cf.
P PμPePsPjPμPSPPrCfC”C,CHCCTCCT P·P°CCTC,PsCCTPsPICfPIP°C,Pē PrPsPrP°C,PePsPICf
P°PSP°P»PiPμP·C-CH P°P±Ps CTPμPrP°C,PēPIPSC- P·P°CCTPsP±Pē (PSP°PiCTHPēPeP»P°Pr
PsPiC-PsC—PrPē, PjC-PrP°P·PsP»P°Pj, PICTHPSPiPsC,,PsP») Cf CTHP°P·C-
PiCTHPSPIPμPrPμPSPSCCT P±PsP»C-CCTPSPēC... PICTHPSCTPμPrCCTH P°P±Ps PICTHPē
PSPμPsP±C...C-PrPSPsCCTC,C- P±C-P»CHCēPsC— PiP»PēP±PēPSPē CTPμPrP°CCTC-C—.
PαP°CTHPjP°PePsPeC-PSPμC,PēC#PSPēPMCTPiPμCTHC-PsPr PSP°PiC-PICCTHPsP·PiPsPrC-P»Cf
PrPμPeCCTPjPμPrPμC,PsPjC-PrPēPSCf CCTC,P°PSPsPIPēC,CH PICTHPēP±P»PēP·PSPs 6
C...PIPēP»PēPS. PjPμPMCT PiP°CTHP°PjPμC,CTHCCTP»C-Pr PICTHP°C...PsPICfPIP°C,Pē
CTHP°P·PsPj P· PμC,,PμPeC,P°PjPē C-PSCēPēC... PICTHPēP·PSP°C#PμPSPēC...
P»C-PeP°CTHCCTHPePēC... P·P°CCTPsP±C-PI PrP»CCT PsCCTC-PSPēPē
PSPμPsP±C...C-PrPSPsPiPs C#P°CCTCf PrP»CCT C,PēC,CTHCfPIP°PSPSCCT PrPs
P±P°P¶P°PSPsPiPs PeP»C-PSC-C#PSPsPiPs PμC,,PμPeC,Cf PμPIP°PSP°PrPμPeCCTCf.

PfPSC-CCTC-CHPIP°PSPSCCT PICTHPSCTPμPrCCTHPSPsC— CTPμPrP°CCTC-C—

PkP°PIP°PSC,P°P¶CfPIP°P»CHPSP° C-PSC,,CfP·C-CCT 1,0 PjPePi/PePi PIPiCTHPSPrPsPIP¶ 10
C...PIPēP»PēPS. Pj CTHP°P·C- PjPμPSCē C-PSPIP°P·PēPIPSPēC... PICTHPSCTPμPrCCTH, C,P°PePēC...
CCTPe PsC,,C,P°P»CHPjPsP»PsPiC-C#PSC- C...C-CTHCPCCTC-C#PSC- PsPiPμCTHP°CTC-C—,
PjPsP¶PSP° P·P°CCTC,PsCCTPsPICfPIP°C,Pē PSP°PIP°PSC,P°P¶CfPIP°P»CHPSCf C-PSC,,CfP·C-CH
B PI PrPsP·C- 0,5 PjPePi/PePi PIPiCTHPSPrPsPIP¶ 10 C...PIPēP»PēPS.

PμC-PrC,CTHPēPjP°PSPSCCT PICTHPSCTPμPrCCTHPSPsC— CTPμPrP°CCTC-C—

PμC-PrC,CTHPēPjCfCHC#Cf C-PSC,,CfP·C-CH P·P°PiP°P»PsPj CTP»C-Pr CTHPsP·PiPsC#PēPSP°C,Pē
P· 0,6BCTH”0,7 PjPePi/PePi/PiPsPr C- C,PēC,CTHCfPIP°C,Pē PrP»CCT PrPsCCTCCTPiPSPμPSPSCCT
P±P°P¶P°PSPsPiPs PeP»C-PSC-C#PSPsPiPs PμC,,PμPeC,Cf Cf PrC-P°PiP°P·PsPSC- PrPsP· PIC-Pr
0,2 PrPs 1 PjPePi/PePi/PiPsPr. PēPIPēPrPeC-CCTC,CH PiC-PrC,CTHPēPjCfPIP°P»CHPSPsC—
C-PSC,,CfP·C-C— PiPsC,CTHC-P±PSPs PePsCTHPēPiCfPIP°C,Pē PrPs PrPsCCTCCTPiPSPμPSPSCCT
CCTC-P»CHPsPIPsPiPs CTHC-PIPSCCT CTPμPrP°CCTC-C—.

PμP°C†C-C" PSC, Pë P»C-C, PSCHPsPiPs PIC-PeCz.

P" P»C†C PïP°C†C-C" PSC, C-PI P»C-C, PSCHPsPiPs PIC-PeC† P·P°P·PIPëC†P°PNë
PePsC†PëPiC†PIP°PSPSC† PrPsP·Pë PSPμ PïPsC, C†C-P±PSPμ
(PrPëPI. C†PsP·PrC-P» B«PαP°C†PjP°PePsPeC-PSPμC, PëPeP°B»). PJ PïP°C†C-C" PSC, C-PI
P»C-C, PSCHPsPiPs PIC-PeC† C-C†PSC†C" PïC-PrPIPëC%PμPSPëPNë C†PëP·PëPe
C†PsP·PIPëC, PeC† P°C†C, PμC†C-P°P»CHPSPsC— PïC-PïPsC, PμPSP·C-C— (PrPëPI. C†PsP·PrC-P»
B«PñC†PsP±P»PëPIPsC†C, C- P·P°C†C, PsC†C†PIP°PSPSC†B»), PsPrPSP°Pe PsP±PjPμP†PμPSC-
PSP°C†PIPSC- PrP°PSC- C†PμP·C†P»CHC, P°C, C-PI PïC†PsC†PμPrC†C†PSPsC—
C†PμPrP°C†C-C— PSPμ PIPeP°P·C†C†C, CH PSP° C†C-C, PeC† P·P°P»PμP†PSC-C†C, CH PIC-Pr
PrPsP·Pë.

PμPsC†CzC€PμPSPSC† C,, CzPSPeC†C-C— PSPëC†PsPe.

PμP°C†C-C" PSC, P°Pj P· PïPsC†C†C€PμPSPSC†Pj C,, C†PSPeC†C-C— PSPëC†PsPe
PePsC†PμPiC†PIP°PSPSC† PrPsP·Pë P·P°P·PIPëC†P°PNë PSPμ PïPsC, C†C-P±PSPμ.

PμPsC†CzC€PμPSPSC† C,, CzPSPeC†C-C— PïPμC†C-PSPePë.

PñPIP°PSP°PrPμPeC† PjPμC, P°P±PsP»C-P·C†C" C, CHC†C†C† PI PïPμC†C-PSC†C-, C, PsPjC†
PNëPsPiPs C†P»C-Pr P· PsP±PμC†PμP†PSC-C†C, C† P·P°C†C, PsC†PsPIC†PIP°C, Pë
PïP°C†C-C" PSC, P°Pj P· PïPsC†C†C€PμPSPSC†Pj C,, C†PSPeC†C-C— PïPμC†C-PSPePë. PŸP»C-Pr
C†PsP·PiP»C†PSC†C, Pë PrPsC†C-P»CHPSC-C†C, CH P·P°C†C, PsC†C†PIP°PSPSC†
P·PSPëP†PμPSPsC— PïC-PrC, C†PëPjC†PIP°P»CHPSPsC— PrPsP·Pë (PrPëPI. C†PsP·PrC-P»Pë
B«PñC†PsP±P»PëPIPsC†C, C- P·P°C†C, PsC†C†PIP°PSPSC†B»),
B«PαP°C†PjP°PePsPeC-PSPμC, PëPeP°B»).

PŸPïPsC†C-P± P·P°C†C, PsC†C†PIP°PSPSC†

P>C-PeP°C†C†CHPePëPNë P·P°C†C-P± C†P»C-Pr P·P°C†C, PsC†PsPIC†PIP°C, Pë P»PëC€Pμ C†
PIPëPiP»C†PrC- C†PsP·PIPμPrPμPSPsC— PIPSC†C, C†C-C€PSC†PsPIPμPSPSPsC—
C-PSC,, C†P·C-C— C-P· P·P°C†C, PsC†C†PIP°PSPSC†Pj PePsPSC, C†PsP»CHPsPIP°PSPsPiPs
C-PSC,, C†P·C-PNëPSPsPiPs PïC†PëC†C, C†PsC†.

PñPjPïC†P»Pë PïC†PëP·PSP°C†PμPSC- C, C-P»CHPePë PrP»C†
C-PSP†PëPIC-PrC†P°P»CHPSPsPiPs P·P°C†C, PsC†C†PIP°PSPSC† PsPrPSPsPjC†
PïP°C†C-C" PSC, C†.

PμC†PëPiPsC, CzPIP°PSPSC† C†PsP·C†PëPSCz

PμPμC†PμPr P·P°C†C, PsC†C†PIP°PSPSC†Pj PñPIP°PSP°PrPμPeC† PjPsP†PSP°
C†PsP·P±P°PIP»C†C, Pë C† 5 % C†PsP·C†PëPSC- PïP»CHPePsP·Pë, C†PsP·C†PëPSC-
P C-PSPiPμC†P°, PjP°PSC-C, PsP»C- P°P±Ps 0,9 % C†PsP·C†PëPSC- PSP°C, C†C-C†
C...P»PsC†PëPrC† PrP»C† PrPsC†C†PïPSPμPSPSC† P±P°P†P°PSPsC—
PePsPSC†PμPSC, C†P°C†C-C— P°P±Ps
4 PjPePi/PjP» P°P±Ps 8 PjPePi/PjP». PñPëP†C†Pμ PSP°PIPμPrPμPSC- PsP±B†™ C" PjPë,
PSPμPsP±C...C-PrPSC- PrP»C† PïC†PëPiPsC, C†PIP°PSPSC† C-PSC,, C†P·C-PNëPSPsPiPs
C†PsP·C†PëPSC† PIC-PrPïPsPIC-PrPSPsC— PePsPSC†PμPSC, C†P°C†C-C—.

P" P»C†C PrPsC†C†PïPSPμPSPSC† PePsPSC†PμPSC, C†P°C†C-C— 4 PjPePi/PjP»:

PhP±Bḡ™ C" Pj PльPIP°PSP°PrPµPeCГCf, PePsPSC†PµPSC, CḡP°C, Cf PrP»CЦ CḡPsP·C†PëPSCf PrP»CЦ C-PSC,, CfP·C-PNë, PjP»	PhP±Bḡ™ C" Pj CḡPsP·C†PëPSPSPëPeP°, PjP»	P—P°PiP°P»CHPSPëPNë PsP±Bḡ™ C" Pj C-PSC,, CfP·C-C—, PjP»
2	48	50
4	96	100
10	240	250
20	480	500

P" P»CЦ PrPsCГCЦPиPSPµPSPSCЦ PePsPSC†PµPSC, CḡP°C†C-C— 8 PjPePi/PjP»:

PhP±Bḡ™ C" Pj PльPIP°PSP°PrPµPeCГCf, PePsPSC†PµPSC, CḡP°C, Cf PrP»CЦ CḡPsP·C†PëPSCf PrP»CЦ C-PSC,, CfP·C-PNë, PjP»	PhP±Bḡ™ C" Pj CḡPsP·C†PëPSPSPëPeP°, PjP»	P—P°PiP°P»CHPSPëPNë PsP±Bḡ™ C" Pj C-PSC,, CfP·C-C—, PjP»
4	46	50
8	92	100
20	230	250
40	460	500

PµC-CГP»CЦ CḡPsP·PIPµPrPµPSPSCЦ CḡPsP·C†PëPS PsP±PµCḡPµPиPSPs CГC, CḡCfCГPëC, Pë, C%oPsP± P·P°P±PµP·PiPµC†PëC, Pë CḡC-PIPSPsPjC-CḡPSPµ PiPµCḡPµPjC-C€CfPIP°PSPSCЦ.

PµPµCḡPµPr P·P°CГC, PsCГCfPIP°PSPSCЦPj PiCḡPµPiP°CḡP°C, Pë PrP»CЦ PiP°CḡPµPSC, PµCḡP°P»CHPSPsPiPs P·P°CГC, PsCГCfPIP°PSPSCЦ CГP»C-Pr PIC-P·CfP°P»CHPSPs PiPµCḡPµPIC-CḡPëC, Pë PSP° PSP°CЦPIPSC-CГC, CH CГC, PsCḡPsPSPSC-C... C†P°CГC, PsPe C, P° P·PjC-PSPë PePsP»CHPsCḡCf.

PльPIP°PSP°PrPµPeCГ CГCfPjC-CГPSPëPNë P·C, P°PePëPjPë PIPSCfC, CḡC-C€PSCḡPsPIPµPSPSPëPjPë CḡPsP·C†PëPSP°PjPë C, P° PiCḡPµPiP°CḡP°C, P°PjPë: P»P°PeC, P°C, PSPëPNë CḡPsP·C†PëPS P C-PSPiPµCḡP°, 5 % CḡPsP·C†PëPS PiP»CḡPePsP·Pë, 0,9 % CḡPsP·C†PëPS PSP°C, CḡC-Cḡ C...P»PsCḡPëPrCf, 20 % PjP°PSC-C, PsP», P°C, CḡPsPiC-PSCf CГCfP»CHC,, P°C,, PrPsPiP°PjC-PS, PSPsCḡP°PrCḡPµPSP°P»C-PS, PrPsP±CfC, P°PjC-PS, PjC-PrP°P·PsP»P°Pj, PjPsCḡC,, C-PSCf CГCfP»CHC,, P°C,, C,, PµPSC, P°PSC-P»Cf C†PëC, CḡP°C, C-P·PjC-PSPSPëPe PiP»P°P·PjPë.

P' CГPrCH-CЦPeC- P·P°P»PëC€PePë P»C-PeP°CḡCГCHPePsPiPs P·P°CГPsP±Cf P°P±Ps PIPëPePsCḡPëCГC, P°PSC- PjP°C, PµCḡC-P°P»Pë CГP»C-Pr CГC, PëP»C-P·CfPIP°C, Pë PIC-PrPiPsPIC-PrPSPs PrPs C†PëPSPSPëC... PIPëPjPsPi.

P" C-C, Pë

P'PµP·PiPµPeP° C, P° PµC,, PµPeC, PëPIPSC-CГC, CH P»C-PeP°CḡCГCHPePsPiPs P·P°CГPsP±Cf PльPIP°PSP°PrPµPeCГ CГ PrC-C, PµPNë (PIC-PePsPj PIC-Pr 0 PrPs 18 CḡPsPeC-PI) PSPµ PICГC, P°PSPsPIP»PµPSC-. P" P°PSC- C%oPsPrPs P·P°CГC, PsCГCfPIP°PSPSCЦ PrC-C, CЦPj PSP°PIPµPrPµPSC- CГ CḡPsP·PrC-P»P°C... B«PαP°CḡPjP°PePsP»PsPiC-C†PSC- PIP»P°CГC, PëPIPSCГC, C-B» C, P° B«PµPsP±C-C†PSC- CḡPµP°PeC†C-C-B», P°P»Pµ

PiC7P8P±P»P8P·PSPs Cr 25 %, 15 % C,P° 13 % PiP°C†C-C”PSC,C-PI PIC-PrPiPsPIC-PrPSPs.

P”C-PiPsC,PuPSP·C-CI C,P° P±C7P°PrP8PeP°C7PrC-CI C,P°PePsP¶ P±CfP»P8
PSP°PN8C±P°CfC,C-C8P8PjP8 C7PµC7PN8PsP·PSP8PjP8 PiPsP±C-C±PSP8PjP8
C7PµP°PeC†C-CIIPjP8, PiPsPIB7™ CIIP·P°PSP8PjP8 P· PrPµPeC7PjPµPrPµC,PsPjC-PrP8PSPsPj,
CIIPeC- PIP8PSP8PeP°P»P8 Cr 1,7 % C,P° 0,9 % C7P°PSPPrPsPjC-P·PsPIP°PSP8C...
PiP°C†C-C”PSC,C-PI P’P8P P†P8.

PµC7PsC†PµPrCfC7PSP° C7PµPrP°C†C-CI / C7PµPrP°C†C-CI PI C7PIC-PrPsPjPsCfC,C-

PµPsP±C-C±PSC- C7PµP°PeC†C-C—, PiC7Ps CIIPeC- PSP°PN8C±P°CfC,C-C8Pµ
PiPsPIC-PrPsPjP»CIIP»P8 PiC7P8 P·P°CfC,PsCfCfPIP°PSPSC-
PrPµPeC7PjPµPrPµC,PsPjC-PrP8PSCr PiC7P8 PiC7PsC†PµPrCfC7PSC-PN8 C7PµPrP°C†C-C—,
P·P°P·PSP°C±PµPSC- PSP8P¶C±Pµ (Cr PiC7PsC,PsPePsP»P°C... PrPsC7P»C-PrP¶PµPSPSCCI
C,,P°P·P8 III PjC-CfC,P8P»P8CfC8 PiPsPiPµC7PµPrPSC8Ps PIP8P·PSP°C±PµPSC-
PiC7P°PSP8C±PSC- C7C-PIPS- P·PjC-PS P°C7C,PµC7C-P°P»C8PSPsPiPs C,P8C7PeCf,
C±P°CfC,PsC,P8 PrP8C...P°PSPSCCI C- C±P°CfC,PsC,P8 C7PµC7C†PµPIP8C...
C7PePsC7PsC±PµPSC8, C%oPs PSP°P»PµP¶P°C,C8 PrPs PiPsP±C-C±PSP8C... PµC,,PµPeC,C-PI):

- PiC-PiPsC,PuPSP·C-CI (55 % Cr PiC7CfPiC- PrPµPeC7PjPµPrPµC,PsPjC-PrP8PSCr
PiPsC7C-PIPSCIIPSPs P· 30 % Cr PiC7CfPiC- PiP»P°C†PµP±Ps, CIIPeC- PrPsPrP°C,PePsPIPs
PsC,C7P8PjCfPIP°P»P8 PjC-PrP°P·PsP»P°Pj C- C,,PµPSC,P°PSC-P»);

- PiC7P8PiPSC-C±PµPSPSCCI PrP8C...P°PSPSCCI (38 % Cr PiC7CfPiC-
PrPµPeC7PjPµPrPµC,PsPjC-PrP8PSCr PiPsC7C-PIPSCIIPSPs P· 35 % Cr PiC7CfPiC-
PiP»P°C†PµP±Ps, CIIPeC- PrPsPrP°C,PePsPIPs PsC,C7P8PjCfPIP°P»P8 PjC-PrP°P·PsP»P°Pj C-
C,,PµPSC,P°PSC-P»);

- P±C7P°PrP8PeP°C7PrC-CI (14 % Cr PiC7CfPiC-
PrPµPeC7PjPµPrPµC,PsPjC-PrP8PSCr PiPsC7C-PIPSCIIPSPs P· 4 % Cr PiC7CfPiC-
PiP»P°C†PµP±Ps, CIIPeC- PrPsPrP°C,PePsPIPs PsC,C7P8PjCfPIP°P»P8 PjC-PrP°P·PsP»P°Pj C-
C,,PµPSC,P°PSC-P»).

PµPsP±C-C±PSC- C7PµP°PeC†C-C—, PiPµC7PµP»C-C±PµPSC- PSP8P¶C±Pµ, PsC,C7P8PjP°PSC-
P·P° C7PµP·CfP»C8C,P°C,P°PjP8 PsP±C”PrPSP°PSP8C... PrP°PSP8C... P· PeP»C-PSC-C±PSP8C...
PrPsC7P»C-PrP¶PµPSC8 Cr PiP°C†C-C”PSC,C-PI P· P’P8P P†P8. P8P°CfC,PsC,P°
PIP8PSP8PePSPµPSPSCCI PiPsP±C-C±PSP8C... C7PµP°PeC†C-PN8 PIP8P·PSP°C±P°C”C,C8CfCI
P·P° C,P°PeP8PjP8 PeP°C,PµPiPsC7C-CIIPjP8: PrCfP¶Pµ C±P°CfC,Ps (≥ 1/10); C±P°CfC,Ps (≥
1/100, < 1/10); PSPµC±P°CfC,Ps (≥ 1/1000, < 1/100); C7C-PrPePs (≥ 1/10000, < 1/1000);
PrCfP¶Pµ C7C-PrPePs (< 1/10000), C±P°CfC,PsC,P° PSPµPIC-PrPsPjP° (PSPµPjPsP¶P»P8PIPs
PsC†C-PSP8C,P8 PSP° PsCfPSPsPIC- PSP°CIIPSP8C... PrP°PSP8C...).

P·PSPPrPsPeC7P8P8PSPSC- C7PsP·P»P°PrP8

P8P°CfC,PsC,P° PSPµPIC-PrPsPjP°: PSPµC†CfPeC7PsPIP8PN8 PrC-P°P±PµC,,

PµPsC7CfC8PµPSPSCCI PsP±PjC-PSCr C7PµC±PsPIP8PS, PjPµC,P°P±PsP»C-P·PjCf

P8P°CfC,Ps: PiC-PiPµC7PiP»C-PePµPjC-CI, PiC-PiPsPiP»C-PePµPjC-CI.

*PkPµC±P°CfC,Ps: PjPµC,P°P±PsP»C-C±PSP8PN8 P°C†P8PrPsP·,
PiC-PiPsP°P»C8P±CfPjC-PSPµPjC-CI.*

PμCíPëC...C-C±PSC- CḡPsP·P»P°PrPë

PḡP°CíC,Ps: P°PḡPëC,P°C†C-Cḡ.

PḡPμC±P°CíC,Ps: PiP°P»CḡC†PëPSP°C†C-C—.

P— P±PsPeCí CíPμCḡC†Cḡ

P°CáPḡPμ C±P°CíC,Ps: P±CḡP°PrPëPeP°CḡPrC-Cḡ^{1,2}.

PḡP°CíC,Ps: C-C€PμPjC-Cḡ P°P±Ps C-PSC,,P°CḡPeC, PjC-PsPeP°CḡPrP°, C,P°C...C-PeP°CḡPrC-Cḡ.

PḡPμC±P°CíC,Ps: P°C,CḡC-PsPIPμPSC,CḡPëPeCíP»CḡCḡPSP° P±P»PsPeP°PrP°¹, P·PjPμPSC€PμPSPSCḡ C...PIPëP»PëPSPSPsPiPs PsP±Bḡ™ C”PjCí CíPμCḡC†Cḡ, P·CíPíPëPSPeP° CíPμCḡC†Cḡ¹.

PḡCíPrPëPSPSC- CḡPsP·P»P°PrPë

P°CáPḡPμ C±P°CíC,Ps: PiC-PiPsC,PμPSP·C-Cḡ^{1,2}, PiC-PiPμCḡC,PμPSP·C-Cḡ^{1,2}.

P— P±PsPeCí PrPëC...P°P»CḡPSPsC— CíPëCíC,PμPjPë, PsCḡPiP°PSC-PI PiCḡCíPrPSPsC— PeP»C-C,PePë C,P° CíPμCḡPμPrPsCíC,C-PSPSCḡ

P°CáPḡPμ C±P°CíC,Ps: PiCḡPëPiPSC-C±PμPSPSCḡ PrPëC...P°PSPSCḡ^{2,3}.

PḡPμC±P°CíC,Ps: PrPëCíPíPSPsPμ, P°PiPSPsPμ.

PëP»CíPSPePsPIPs-PePëC€PePsPIC- CḡPsP·P»P°PrPë

PḡP°CíC,Ps: PSCíPrPsC,P°², P±P»CḡPIP°PSPSCḡ, CíCíC...C-CíC,Cḡ Cí CḡPsC,C-².

PḡPμC±P°CíC,Ps: P·PrCíC,C,Cḡ PḡPëPIPsC,P°.

P—P°PiP°P»CḡPSC- PiPsCḡCíC€PμPSPSCḡ C- CḡPμP°PeC†C-C— Cí PjC-CíC†C- PIPIPμPrPμPSPSCḡ

PḡP°CíC,Ps: CíPëPSPrCḡPsPj PIC-PrPjC-PSPë, PiC-PiPμCḡC,PμCḡPjC-Cḡ.

PḡPμC±P°CíC,Ps: PSPμPμC,,PμPeC,PëPIPSC-CíC,Cḡ P»C-PeP°CḡCíCḡPePsPiPs P·P°CíPsP±Cí, CíPíCḡP°PiP°.

¹ P°PëPI. B«PhPiPëCí PsPeCḡPμPjPëC... PiPsP±C-C±PSPëC... CḡPμP°PeC†C-PNë» PSPëPḡC±Pμ.

² PμPsP±C-C±PSP° CḡPμP°PeC†C-Cḡ CíPíPsCíC,PμCḡC-PiP°P»P°CíCḡ C,P°PePsPḡ Cí PrPsCíP»C-PrPḡPμPSPSCḡC... PiCḡPsC†PμPrCíCḡPSPsC— CíPμPrP°C†C-C—.

³ PḡP°CíC,PsC,P° B«C±P°CíC,PsB» Cí PrPsCíP»C-PrPḡPμPSPSCḡC... PI CíPjPsPIP°C... PIC-PrPrC-P»PμPSPSCḡ C-PSC,PμPSCíPëPIPSPsC— C,PμCḡP°PiC-C—.

PhPiPëCí PsPeCḡPμPjPëC... PiPsP±C-C±PSPëC... CḡPμP°PeC†C-PNë

РљР»С-РSC-С±РSPs Р·РSP°С±СfС%oС- РiС-РiРsС,РμРSP·С-Сґ С,Р° Р±СґР°РrРөРeР°СґРrС-Сґ СґР»С-Рr Р»С-РeСfРIP°С,Рө, СIРe РIPeР°Р·Р°РSPs РI СґРsР·РrС-Р»С- В«РґСґРsР±Р»РөРIPsСґС,С- Р·Р°СґС,РsСґСfРIP°РSPSCIIB».

РJ РIC-РrРSPsСґРSPs Р·РrРsСґРsРIPeС... РrРsР±СґРsРIPsР»СґСґС-РI, СIРeС- РSPμ Р·РSP°С...РsРrРөР»РөСґСґI Сr РIC-РrРrС-Р»РμРSPSC- С-РSC,РμРSCґРөРIPSPsС— С,РμСґР°РiС-С—, РiСґРө Р·Р°СґС,РsСґСfРIP°РSPSC- Р»С-РeР°СґСґСґРeРsРiРs Р·Р°СґРsР±Сf Р±СґР°РrРөРeР°СґРrС-СI С-РSPsРrС- РiСґРөР·РIPsРrРөР»Р° РrРs РiСґРөРiРөРSPμРSPSCI Р°РeС,РөРIPSPsСґС,С- СґРөРSCґСґРsРIPsРiРs РICґР·Р»Р° Р°Р±Рs СґРөРSCґСґРsРIPsС— РiР°СfР·Рө. РҮРөРjРiС,РsРjРө СfСґСfРIP°Р»РөСґСґI РiС-СґР»СI РiС-РrРSCIIC,С,СI РSPөРPґPSC-С... РeС-РSCґС-РIPsРe С,Р° Р·Р°СґС,РsСґСfРIP°РSPSCI Р°РPSC,РөС...РsР»С-РSPμСґРiС-С±РSPөС... Р·Р°СґРsР±С-РI, С,Р°РeРөС... СIРe Р°С,СґРsРiС-РS Р°Р±Рs РiР»С-РeРsРiС-СґРsР»Р°С, Р' РsРeСґРμРjРөС... РIPөРiР°РrРeР°С... Р±СґР°РrРөРeР°СґРrС-СI РiСґРsРiСґРμСґСfРIP°Р»Р° РrРs РiРμСґС-РsРrС-РI Р°СґРөСґС,РsР»С-С— Сr РiР°СґС-РPSC,С-РI, СIРeС- СґР°РPSC-СeРμ СґС,СґР°РrР°Р»РrР°Р»Рө РSP° Р±СґР°РrРөРeР°СґРrС-Сґ. РҮР°РeРsРґ РiРsРIC-РrРsРjР»СIР»РsСґСґI РiСґРs РIPөРiР°РrРeРө Р·РrРiРөРSPeРө СґРμСґСґI, С±Р°СґС,Рs Р' РiРsРiРμСґРμРrРSCґРsСґ Р±СґР°РrРөРeР°СґРrС-С"Сґ Р°Р±Рs Р°С,СґС-РsРIPμPSC,СґРөРeСfР»СIСґРSPsСґ Р±Р»РsРeР°РrРsСґ.

РґСґС,РμСґС-Р°Р»СґРSP° РiС-РiРμСґС,РμРSP·С-СI Р°СґРsСґС-СґРIP°Р»Р°СґСI С-Р· Р·Р°СґС,РsСґСfРIP°РSPSCIРj РSP°РIP°PSC,Р°РґСfРIP°Р»СґРSPsС— РrРsР·Рө. РiСґ СґРμР°РeСґС-Сґ РjРsРґPSP° Р·РjРμPSCeРөС,Рө, СIРeС%oРs СrРSPөРeР°С,Рө Р·Р°СґС,РsСґСfРIP°РSPSCI РSP°РIP°PSC,Р°РґСfРIP°Р»СґРSPsС— РrРsР·Рө Р°Р±Рs Р·РSPөР·РөС,Рө СeРIPөРrРeС-СґС,Сґ С-РSC,,СfР·С-С—, Р°Р±Рs Р·РjРμPSCeРөС,Рө РSP°РIP°PSC,Р°РґСfРIP°Р»СґРSCґ РrРsР·Р.

Р"С-С,Рө

РμСґРө С,СґРөРIP°Р»РsСґС,С- РIPIPμРrРμPSPSCI РrРs 24 РiРsРrРөРS Сr РiР°СґС-РPSC,С-РI РIC-РeРsРj РIC-Рr 1 РjС-СґСIСґСI, РiРμСґРμРIP°РґPSPs РiС-СґР»СIРsРiРμСґР°СґС-РNөРSPөС..., С%oРs Р·РSP°С...РsРrРөР»РөСґСґI Сr РIC-РrРrС-Р»РμРSPSCIIC... С-РSC,РμРSCґРөРIPSPsС— С,РμСґР°РiС-С—, Р»С-РeР°СґСґСґРeРөРNө Р·Р°СґС-Р± РrРμРjРsРSCґС,СґСfРIP°РI РiСґРsС,,С-Р»Сґ Р±РμР·РiРμРeРө, РiРsРrС-Р±РSPөРNө РrРs РiСґРsС,,С-Р»Сґ Р±РμР·РiРμРeРө Сr РrРsСґРsСґР»РөС... Р"Р°РPSC- С%oРsРrРs РSPsРIPsРSP°СґРsРrРґРμРSPөС... (С%oРs РSP°СґРsРrРөР»РөСґСґI Сr С,РμСґРjС-РS РIC-Рr 28 РrРs 44 С,РөРPґPSC-РI РiРμСґС,Р°СґС-С—) РsР±РjРμРґРμPSC-, Р·РsРeСґРμРjР° РjРμРґР°РjРө РiС-РrС,СґРөРjСfРIP°Р»СґРSPsС— РrРsР·Рө ≤ 0,2 РjРeРi/РeРi/РiРsРr. Р' Р»С-С,РμСґР°С,СfСґС- РsРiРөСґР°РSPөРNө РsРrРөРS РIPөРiР°РrРeРө РiС-РiРsС,РμСґРjС-С±РSPsС— Р±СґР°РrРөРeР°СґРrС-С— Сr РSPsРIPsРSP°СґРsРrРґРμРSPsРiРs.

РμРsРIC-РrРsРjР»РμРSPSCI РiСґРs РiРsР±С-С±РSC- СґРμР°РeСґС-С—

РμРsРIC-РrРsРjР»РμРSPSCI РiСґРs РiРsР±С-С±РSC- СґРμР°РeСґС-С— РiС-СґР»СI СґРμС"СґС,СґР°СґС-С— Р»С-РeР°СґСґСґРeРsРiРs Р·Р°СґРsР±Сf РjР°С" РIP°РґР»РөРIPμ Р·РSP°С±РμРSPSCI. РiРμ РrР°С" Р·РjРsРiСr РiСґРsРIPsРrРөС,Рө РjРsРSC-С,РsСґРөРSPi СґРiС-РIPIC-РrРSPsСeРμРSPSCI РeРsСґРөСґС,Сґ/СґРөР·РөРө РiСґРө Р·Р°СґС,РsСґСfРIP°РSPSC- СґСґРsРiРs Р»С-РeР°СґСґСґРeРsРiРs Р·Р°СґРsР±Сf. РґРμРrРөС±РSPөРj С,Р° С,,Р°СґРjР°СґРμРIC,РөС±РSPөРj РiСґР°СґС-РIPSPөРeР°Рj, Р° С,Р°РeРsРґ РiР°СґС-С"РSC,Р°Рj Р°Р±Рs С—С...РSC-Рj

P·P°PePsPSPSPëPj PïCĤPµPrCĬC,P°PIPSPëPeP°Pj CĬP»C-Pr PïPsPIC-PrPsPjP»CĬC,Pë PïCĤPs CŕCĬC- PIPëPïP°PrPePë PïC-PrPsP·CĤCĤPIP°PSPëC... PïPsP±C-C±PSPëC... CĤPµP°PeC†C-PNë C,P° PIC-PrCĬCŕC,PSPsCĬC,C- PµC„PµPeC,PëPIPSPsCĬC,C- P»C-PeP°CĤCĬCĤPePsPiPs P·P°CĬPsP±Cŕ C±PµCĤPµP· PĥPIC,PsPjP°C,PëP·PsPIP°PSCŕ C-PSC„PsCĤPjP°C†C-PNëPSCŕ CĬPëCĬC,PµPjCŕ P· C„P°CĤPjP°PePsPSP°PiP»CĬPrCŕ P·P° PïPsCĬPëP»P°PSPSCĬPj: <https://aisf.dec.gov.ua>

PŷPµCĤPjC-PS PïCĤPëPrP°C,PSPsCĬC,C-. 2 CĤPsPePë.

PjPjPsPIPë P·P±PµCĤC-PiP°PSPSCĬ

P—P±PµCĤC-PiP°C,Pë PïCĤPë C,PµPjPïPµCĤP°C,CŕCĤC- PSPµ PIPëC%Pµ 25 B°Pŷ PI PsCĤPëPïC-PSP°P»CĤPSC-PNë CŕPïP°PePsPIC†C-. PŷCĤPëPjP°C,Pë P°PjPïCŕP»Pë Cŕ PïP°C†C†C- P· PeP°CĤC,PsPSCŕ PrP»CĬ P·P°C...PëCĬC,Cŕ PIC-Pr PrC-C— CĬPIC-C,P»P°.

P—P±PµCĤC-PiP°C,Pë Cŕ PSPµPrPsCĬC,CŕPïPSPsPjCŕ PrP»CĬ PrC-C,PµPNë PjC-CĬC†C-

PĕPµCĬCŕPjC-CĬPSC-CĬC,CĤ

PïPµPNë P»C-PeP°CĤCĬCĤPePëPNë P·P°CĬC-P± PSPµ CĬP»C-Pr P·PjC-C€CŕPIP°C,Pë P· C-PSC€PëPjPë P»C-PeP°CĤCĬCĤPePëPjPë P·P°CĬPsP±P°PjPë, PeCĤC-Pj C,PëC..., C%Ps P·P°P·PSP°C±PµPSC- PI CĤPsP·PrC-P»C- B«PŷPïPsCĬC-P± P·P°CĬC,PsCĬCŕPIP°PSPSCĬ C,P° PrPsP·PëB».

P”PsCĬP»C-PrPµPµPSPSCĬ CĬCŕPjC-CĬPSPsCĬC,C- PïPsPeP°P·P°P»Pë PïPsC,PµPSC†C-P°P» P°PrCĬPsCĤP±C†C-C— PrPµPeCĬPjPµPrPµC,PsPjC-PrPëPSCŕ PrPs PrPµCĬPePëC... PIPëPrC-PI PïCĤPëCĤPsPrPSPsPiPs PeP°CŕC†CŕPeCŕ. PĕPµP·PIP°PµP°CĤC±Pë PSP° C,Pµ, C%Ps PrPµPeCĬPjPµPrPµC,PsPjC-PrPëPS PrC-C” PrPsP·PsPIP°PSPs, PrPsC†C-P»CĤPSPs PIPëPePsCĤPëCĬC,PsPICŕPIP°C,Pë CĬPëPSC,PµC,PëC±PSC- PePsPjPïPsPSPµPSC,Pë P°P±Ps PïCĤPsPeP»P°PrPePë P· PSP°C,CŕCĤP°P»CĤPSPsPiPs PeP°CŕC†CŕPeCŕ P· PïPsPeCĤPëC,C,CĬPj.

PjPïP°PePsPIPëP°. PµPs 2 PjP» PI P°PjPïCŕP»C-; PïPs 5 P°PjPïCŕP» Cŕ PePsPSC,CŕCĤPSC-PNë C±P°CĤCŕPSPePsPIC-PNë CŕPïP°PePsPIC†C-; PïPs 1 PePsPSC,CŕCĤPSC-PNë C±P°CĤCŕPSPePsPIC-PNë CŕPïP°PePsPIC†C- PI PïP°C†C†C- P· PeP°CĤC,PsPSCŕ.

PŷP°C,PµPiPsCĤC-CĬ PIC-PrPïCŕCĬPëCŕ. P—P° CĤPµC†PµPïC,PsPj.

P’PëCĤPsP±PSPëPe. PŷPĥP’ B«P®CĤC-CĬ-PαP°CĤPjB».

**РњС-СГС†РμР·PSP°С...PsPrP¶PμPSPSCЦ PIPëCЪPsP±PSPëPеP° С,P° P°PrCЪPμCГP°
PjC-СГС†CЦ PïCЪPsRIP°PrP¶PμPSPSCЦ PN°PsPiPs PrC-СЦP»СЪPSPsCГC,C-.**
PJPеCЪP°С—PSP°, 18030, P§PμCЪPеP°CГCЪPеP° PsP±P»., Pj. P§PμCЪPеP°CГPë, PICrP».
PъPsP±P·P°CЪCГCЪPеP°, 108.

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