

PrP°CTHPjP°PePsP»PsPiC-C#PSC- PIP»P°CfC,PëPIPsCfC,C-.

PrP°CTHPjP°PePsPrPëPSP°PjC-PeP°.

P•CfCtPëC,P°P»PsPiCTHP°Pj B” C†Pµ CfPµP»PµPeC,PëPIPsPëPNë C-PSPiC-P±C-C,PsCTH P•PIPsCTHPsC,PSPPiPs P•P°C...PsPiP»PµPSPSCf C†PµCTHPsC,PsPSC-PSCr (PŸ†P—P—PŸ), C%oPs C...P°CTHP°PeC,PµCTHPëP•CfC”C,CHCfCf PIPëCfPsPePsCTH P°C,,C-PSPSC-CfC,CTH PrPs PsCfPSPsPIPsPiPs P•PIB”™ C†P•CfC”C,CHCfCf PIP°PNëC,Cr. P’C-PS C,P°PePsP¶ P•PIB”™ C†P•CfC”C,CHCfCf P• P°P»PsCfC,PµCTHPëC#PSPëPj C†P°PNëC,PsPj C,CTHP°PSCfPiPsCTH,PµCTHP° C†PµCTHPsC,PsPSC-PSCr, PiCTHPë C†CHPsPjCf P°C,,C-PSPSC-CfC,CH PrPs C†C-C”C— PrC-P»C†PSPëPë Cf

1000 CTHP°P•C-PI PSPëP¶C#P°.

P•CfCtPëC,P°P»PsPiCTHP°Pj PSPµ PjP°C” P•PsPICfC-Pj P°P±Ps PjP°C” PrCfP¶Pµ C†P»P°P±PeCf P•PrP°C,PSC-CfC,CH P•PIB”™ C†P•CfPIP°C,PëCfCf P• PSPëP•PePsCTH CTHPµC†PµPiC,PsCTH-C-PI, PIPëP»CTH#P°CTH#Pë C†PµCTHPsC,PsPSC-PSPsPIC- 5-HT_{1ph}, 5-HT₂-CTHPµC†PµPiC,PsCTHPë, PrPsC,,P°PjC-PSPsPIC- D₁- C- D₂-CTHPµC†PµPiC,PsCTHPë, α₁-, α₂-, β-P°PrCTHPµPSPµCTHPiC-C#PSC- CTHPµC†PµPiC,PsCTHPë, PiC-CfC,P°PjC-PSPsPIC- H₁-, P#-C...PsP»C-PSPsCTHPµC†PµPiC,PsCTHPë, P±PµPSP•PsPrC-P°P•PµPiC-PSPsPIC- C,P° PsPiC-P°C,PSC- CTHPµC†PµPiC,PsCTHPë.

P†PSPiC-P±CfPIP°PSPSCf P•PIPsCTHPsC,PSPPiPs P•P°C...PsPiP»PµPSPSCf 5-HT C” C”PrPëPSPëPj PjPsP¶P»PëPIPëPj PjPµC...P°PSC-P•PjPsPj PrC-C—, C†PePëPNë PjPsP¶Pµ PiPsCfCfPSCfPIP°C,Pë C,,P°CTHPjP°PePsP»PsPiC-C#PSC- C,P° PeP»C-PSC-C#PSC- PµC,,PµPeC,Pë PµCfCtPëC,P°P»PsPiCTHP°PjCf.

PrP°CTHPjP°PePsPrPëPSP°PjC-C#PSC- PµC,,PµPeC,Pë

P’ PsPrPSPsPjCf PiPsPrPIC-PNëPSPs C†P»C-PiPsPjCf PiP»P°C†PµP±Ps- PePsPSC,CTHPsP»CHPsPIP°PSPsPjCf PrPsCfP»C-PrP¶PµPSPSC- PiPsPeP°P•PSPëPeC-PI P•P”P” Cf P•PrPsCTHPsPIPëC... PsCfC-P± PiPsPrPsPIP¶PµPSPSCf C-PSC,PµCTHPiP°P»Cf Qtc (C†PePsCTHPëPiPsPIP°PSPsPiPs P•P° C,,PsCTHPjCfP»PsCTH P»CTH-C-PrPµCTH-C-PeP°) PIC-Pr PIPëC...C-PrPSPsPiPs P•PSP°C#PµPSPSCf CfC,P°PSPsPIPëP»Ps 4,3 PjCf (90 % P”P† (PrPsPIC-CTH#PëPNë C-PSC,PµCTHPiP°P»): 2,2, 6,4) PiCTHPë P•P°CfC,PsCfCfPIP°PSPSC- P»C-PeP°CTH#PëPePsPiPs P•P°CfPsP±Cf Cf PrPsP•C- 10 PjPi/PrPsP±Cf C,P° 10,7 PjCf (90 % P”P†: 8,6, 12,8) PiCTHPë P•P°CfC,PsCfCfPIP°PSPSC- PrPsP•Pë, PIPëC%oPsC— P•P° C,PµCTHP°PiPµPIC,PëC#PSCr, B” 30 PjPi/PrPsP±Cf (PrPëPI. CTHPsP•PrC-P»Pë B«PµCTHPsC,PëPiPsPeP°P•P°PSPSCfB», B«P#CfPsP±P»PëPIPsCfC,C- P•P°CfC,PsCfCfPIP°PSPSCfB», B«P’P•P°C”PjPsPrC-Cf P• C-PSC€PëPjPë P»C-PeP°CTH#PëPëPjPë P•P°CfPsP±P°PjPë C,P° C-PSC€C- PIPëPrPë PIP•P°C”PjPsPrC-PNëB», B«PµPsP±C-C#PSC- CTHPµP°PeC†C-C-B», B«PµPµCTHPµPrPsP•CfPIP°PSPSCfB»).

PrP»C-PSC-C#PSP° PµC,,PµPeC,PëPIPsC-CfC,CH

P’PµP»PëPeC- PrPµPiCTHPµCfPëPIPsC- PµPiC-P•PsPrPë

P•C,,PµPeC,PëPIPsC-CfC,CH PµCfCtPëC,P°P»PsPiCTHP°PjCf Cf P»C-PeCfPIP°PSPSC- PIPµP»PëPePëC... PrPµPiCTHPµCfPëPIPsPëC... PµPiC-P•PsPrC-PI Cf PiPsCfC,CTHPëPNë PiPµCTH-C-PsPr P±CfP»P° PiPsPeP°P•P°PSP° Cf 3 P• 4 PiPsPrPIC-PNëPSPs C†P»C-PiPëC..., PiP»P°C†PµP±Ps-PePsPSC,CTHPsP»CHPsPIP°PSPëC..., PePsCTHPsC,PePsCfC,CTHPsPePsPIPëC... (8- C,PëP¶PSPµPIPëC...) PrPsCfP»C-PrP¶PµPSCf. Pj PrPsPIPiPsCfC,CTHPsPePsPIPsPjCf

PrPsCÍP»C-PrP¶PµPSPSC- PiCĤPsC,,C-P»P°PeC,PëPePë CĤPµC†PëPrPëPICr 274
PiP°C†C-C" PSC,Pë, C¶PeC- PiC-Pr C†P°CÍ PiPsC†P°C,PePsPIPsC— 8-C,PëP¶PSPµPIPsC—
PIC-PrPeCĤPëC,PsC— C,,P°P·Pë PrPsCÍP»C-PrP¶PµPSPSC¶ PIC-PrPiPsPIC-P»Pë PSP°
P»C-PeCÍPIP°PSPSC¶ PµCÍC†PëC,P°P»PsPiCĤP°PjPsPj Cr PrPsP·C- 10 P°P±Ps 20 PjPi/PrPsP±CÍ,
P±CÍP»Pë CĤP°PSPPrPsPjC-P·PsPIP°PSC- PrP»C¶ PiCĤPsPrPsPIP¶PµPSPSC¶ PiCĤPëPNëPsPjCÍ
PµCÍC†PëC,P°P»PsPiCĤP°PjCÍ Cr C,C-PNë CÍP°PjC-PNë PrPsP·C- P°P±Ps PiP»P°C†PµP±Ps
PiCĤPsC,C¶PiPsPj PiPµCĤC-PsPrCÍ PrPs 36 C,PëP¶PSC-PI. PJ C†CHPsPjCÍ
PrPsCÍP»C-PrP¶PµPSPSC- Cr PiP°C†C-C" PSC,C-PI, C¶PeC- PiCĤPsPrPsPIP¶CÍPIP°P»Pë
PsC,CĤPëPjCÍPIP°C,Pë PµCÍC†PëC,P°P»PsPiCĤP°Pj, CÍPiPsCÍC,PµCĤC-PiP°PICÍC¶
CÍC,P°C,PëCÍC,PëC†PSPs P·PSP°C†CÍC%Ps P±C-P»CHC€ C,CĤPëPIP°P»PëPNë PiPµCĤC-PsPr
C†P°CÍCÍ PrPs PIPëPSPëPePSPµPSPSC¶ CĤPµC†PëPrPëPICr Cr PjPµP¶P°C...
PSP°CÍC,CÍPiPSPëC... 36 C,PëP¶PSC-PI Cr PiPsCĤC-PIPSC¶PSPSC- P· C,PëPjPë
PiP°C†C-C" PSC,P°PjPë, C¶PeC- PsC,CĤPëPjCÍPIP°P»Pë PiP»P°C†PµP±Ps.

PŸPsC†C-P°P»CHPSPëPNë C,CĤPëPIPSP¶PSPëPNë CĤPsP·P»P°Pr

P·CÍC†PëC,P°P»PsPiCĤP°Pj PIPëC¶PIPëPICÍC¶ PµC,,PµPeC,PëPIPSPëPj PrP»C¶
P»C-PeCÍPIP°PSPSC¶ CÍPsC†C-P°P»CHPSPsPiPs C,CĤPëPIPSP¶PSPsPiPs CĤPsP·P»P°PrCÍ C¶Pe
CÍ C,CĤCHPsC... PePsCĤPsC,PePsCÍC,CĤPsPePsPIPëC... (12-C,PëP¶PSPµPIPëC...)
PrPsCÍP»C-PrP¶PµPSPSC¶C..., C,P°Pe C- Cr 6-PjC-CÍC¶C†PSPsPjCÍ
PrPsCÍP»C-PrP¶PµPSPSC-B PiCĤPsC,,C-P»P°PeC,PëPePë CĤPµC†PëPrPëPICr. PJ 24-
C,PëP¶PSPµPIPsPjCÍ PrPsCÍP»C-PrP¶PµPSPSC- PsPiC,PëPjP°P»CHPSPsC— PrPsP·Pë P±CÍP»P°
PiCĤPsPrPµPjPsPSCÍC,CĤPsPIP°PSP° PµC,,PµPeC,PëPIPSC-CÍC,CH
PµCÍC†PëC,P°P»PsPiCĤP°PjCÍ Cr PrPsP·P°C... 5, 10 C,P° 20 PjPi.

P°PµPSPµCĤP°P»C-P·PsPIP°PSPëPNë C,CĤPëPIPSP¶PSPëPNë CĤPsP·P»P°Pr

P·CÍC†PëC,P°P»PsPiCĤP°Pj Cr PrPsP·P°C... 10 C,P° 20 PjPi/PrPsP±CÍ P±CÍPI
PµC,,PµPeC,PëPIPSPëPj Cr 4 P· 4 PiP»P°C†PµP±Ps-PePsPSC,CĤPsP»CHPsPIP°PSPëC...
PrPsCÍP»C-PrP¶PµPSPSC.

P—PiC-PrPSPs P· PsP±BĤ™ C"PrPSP°PSPëPjPë PrP°PSPëPjPë C,CĤCHPsC...
PrPsCÍP»C-PrP¶PµPSPSC P· PiPsPrC-P±PSPëPj PrPëP·P°PNëPSPsPj, PI C¶PePëC... P·P°PiP°P»PsPj
PIP·C¶PI CÍC†P°CÍC,CH 421 PiP°C†C-C" PSC,, C¶PeC- P»C-PeCÍPIP°P»PëCÍC¶
PµCÍC†PëC,P°P»PsPiCĤP°PjPsPj, C,P° 419 PiP°C†C-C" PSC,C-PI, C¶PeC- PsC,CĤPëPjCÍPIP°P»Pë
PiP»P°C†PµP±Ps, PSP° P»C-PeCÍPIP°PSPSC¶ PIC-PrPiPsPIC-P»Pë 47,5 % C,P° 28,9 %
PiP°C†C-C" PSC,C-PI PIC-PrPiPsPIC-PrPSPs, P° CĤPµPjC-CÍC-C¶ PSP°CÍC,P°P»P° Cr 37,1 % C,P°
20,8 % PiP°C†C-C" PSC,C-PI PIC-PrPiPsPIC-PrPSPs. PŸC,C-PNëPePëPNë PµC,,PµPeC,
CÍPiPsCÍC,PµCĤC-PiP°PICÍC¶ P· PiPµCĤC€PsPiPs C,PëP¶PSC¶ P»C-PeCÍPIP°PSPSC¶.

PµC-PrC,CĤPëPjCÍCĤC†PëPNë PµC,,PµPeC, PµCÍC†PëC,P°P»PsPiCĤP°PjCÍ Cr PrPsP·C- 20
PjPi/PrPsP±CÍ P±CÍPI PiCĤPsPrPµPjPsPSCÍC,CĤPsPIP°PSPëPNë Cr

24BĤ"76-C,PëP¶PSPµPIPsPjCÍ CĤP°PSPPrPsPjC-P·PsPIP°PSPsPjCÍ PrPsCÍP»C-PrP¶PµPSPSC-
PiC-PrC,CĤPëPjCÍCĤC†PsPiPs PµC,,PµPeC,CÍ P»C-PeCÍPIP°PSPSC¶, PI C¶PePsPjCÍ PIP·C¶P»Pë
CÍC†P°CÍC,CH 373 PiP°C†C-C" PSC,Pë, C%Ps PIC-PrPiPsPIC-P»Pë PSP°
P»C-PeP°CĤCÍCHPePëPNë P·P°CÍC-P± PiC-Pr C†P°CÍ PiPsC†P°C,PePsPIPsPiPs 12-
C,PëP¶PSPµPIPsPiPs P»C-PeCÍPIP°PSPSC¶ Cr PIC-PrPeCĤPëC,PsPjCÍ CĤPµP¶PëPjC-.

PĥP±CÍPµCÍPëPIPSPs-PePsPjPiCáP»CHCÍPëPIPSPëPNë CĤPsP·P»P°Pr

PJ CĤP°PSPPrPsPjC-P·PsPIP°PSPsPjCÍ PiPsPrPIC-PNëPSPs CÍP»C-PiPsPjCÍ PeP»C-PSC-C†PSPsPjCÍ

PrPsCfP»C-PrP¶PµPSPSC- PµCfC†PëC,P°P»PsPïCfP°Pj Cr PrPsP·C- 20 PjPi/PrPsP±Cf
PïCfPµPrPµPjPsPSCfC,CfCfPïP°PI PIC-PrPjC-PSPSC-CfC,Ch PIC-Pr PïP»P°C†PµP±Ps P·P°
P·P°PïP°P»ChPSPsCf PeC-P»ChPeC-CfC,Cf P±P°P»C-PI P·P° CëPeP°P»PsCf Y-BOCS
(PëPeP°P»P° PrP»Cf PsC†C-PSPePë PsP±CfPµCfPëPIPSPs-PePsPjPïCfP»ChCfPëPIPSPsPiPs
CfPµP·P»P°PrCf P™C”P»ChCfCfPePsPiPs C- P’CfP°CfPSC-PICfCfPePsPiPs
CfPSC-PIPµCfCfPëC,PµC,C-PI, Yale-Brown Obsessive Compulsive Scale) C†PµCfPµP· 12
C,PëP¶PSC-PI P»C-PeCfPïP°PSPSCf. P§PµCfPµP·

24 C,PëP¶PSC- PIC-PrPjC-C†P°P»PëCfCf PïPµCfPµPIP°PïPë P·P°CfC,PsCfCfPïP°PSPSCf
PµCfC†PëC,P°P»PsPïCfP°PjCf CfPe Cr PrPsP·C- 10 PjPi/PrPsP±Cf, C,P°Pe C- Cr PrPsP·C- 20
PjPi/PrPsP±Cf Cr PïPsCfC-PIPSCfPSPSC- P· PïP»P°C†PµP±Ps.

P·C,,PµPeC,PëPIPSC-CfC,Ch P»C-PeP°CfCfCfPePsPiPs P·P°CfPsP±Cf Cr
PïCfPµC,,C-P»P°PeC,PëC†C- CfPµC†PëPrPëPIC-PI P±CfP»P°
PïCfPµPrPµPjPsPSCfC,CfPµPIP°PSP° PrP»Cf PµCfC†PëC,P°P»PsPïCfP°PjCf Cr PrPsP·P°C... 10
C- 20 PjPi/PrPsP±Cf Cr PïP°C†C-C”PSC,C-PI, CfPeC- PIC-PrPïPsPIC-P»Pë PSP°
PµCfC†PëC,P°P»PsPïCfP°Pj Cr

16-C,PëP¶PSPµPIPµPjCf PIC-PrPeCfPëC,PsPjCf PïPµCfC-PsPrC- C,P° P±CfP»Pë
PIPeP»CfC†PµPSC- Cr 24-C,PëP¶PSPµPIPëPµ CfP°PSPPrPsPjC-P·PsPIP°PSPëPµ
PïPsPrPIC-PµPSPs CfP»C-PïPëPµ PïP»P°C†PµP±Ps-PePsPSC,CfPµP»ChPsPIP°PSPëPµ
PïPµCfC-PsPr.

PαP°CfPjP°PePsPeC-PSPµC,PëPeP°.

PfP±CfPsCfP±C†C-Cf PïCfP°PeC,PëC†PSPs PïPsPIPSP° C- PSPµ P·P°P»PµP¶PëC,Ch PIC-Pr
PïCfPëPµPsPjCf C—P¶C-. PµP°PeCfPëPjP°P»ChPSP° PePsPSC†PµPSC,CfP°C†C-Cf Cr
PïP»P°P·PjC- PeCfPµPIC- PrPsCfCfPïP°C”C,ChCfCf C†PµCfPµP· 4 PïPsPrPëPSPë PïC-CfP»Cf
PïCfPëPµPsPjCf. PïPe C- PrP»Cf CfP°C†PµPjC-C†PSPsPiPs C†PëC,P°P»PsPïCfP°PjCf,
P°P±CfPsP»ChC,PSP° P±C-PsPrPsCfC,CfPïPSC-CfC,Ch PµCfC†PëC,P°P»PsPïCfP°PjCf
PsC†C-PeCfC”C,ChCfCf PSP° CfC-PIPSC- PïCfPëP±P»PëP·PSPs 80 %.

P PsP·PïPsPrC-P»

PjCfPIPSPëPµ PsP±βf™C”Pj CfPµP·PïPsPrC-P»Cf (Vd, β/F) PïC-CfP»Cf
PïPµCfPµCfP°P»ChPSPsPiPs P·P°CfC,PsCfCfPïP°PSPSCf CfC,P°PSPsPIPëC,Ch PIC-Pr 12 PrPs
26 P»/PePi. P’C-PsPrPsCfC,CfPïPSC-CfC,Ch PµCfC†PëC,P°P»PsPïCfP°PjCf
CfC,P°PSPsPIPëC,Ch PïCfPëP±P»PëP·PSPs 80 %. P—Pïβf™CfP·CfPïP°PSPSCf
PµCfC†PëC,P°P»PsPïCfP°PjCf C,P° PµPsPiPs PsCfPSPsPIPSPëC... PjPµC,P°P±PsP»C-C,C-PI P·
P±C-P»PeP°PjPë PeCfPµPIC- PjPµPSCëPµ 80 %.

P’C-PsC,CfP°PSCfC,,PsCfPjP°C†C-Cf

Pj PïPµC†C-PSC†C- CfC,PIPsCfCfCfC,ChCfCf PjPµC,P°P±PsP»C-C,Pë, C%oPs
PrPµPjPµC,PëP»CfCfC,ChCfCf C,P° PrPëPrPµPjPµC,PëP»CfCfC,ChCfCf C- C”
C,,P°CfPjP°PePsP»PsPïC-C†PSPs P°PeC,PëPIPSPëPjPë. PïPe P°P»ChC,PµCfPSP°C,PëPIP°
PjPsP¶P»PëPIPµ PsPePëCfPSPµPSPSCf P°P·PsC,Cf P· CfC,PIPsCfPµPSPSCfPj N-
PsPeCfPëPrPSPsPiPs PjPµC,P°P±PsP»C-C,Cf. PïPe PjPµC,P°P±PsP»C-C,Pë, C,P°Pe C-
PIPëC...C-PrPSP° CfPïPsP»CfPeP° C†P°CfC,PePsPIPs PIPëPIPsPrCfC,ChCfCf Cf C,,PsCfPjC-
PïP»CfPeCfCfPµPSC-PrC-PI. PµC-CfP»Cf P±P°PïP°C,PsCfP°P·PsPIPsPiPs
P·P°CfC,PsCfCfPïP°PSPSCf CfPµCfPµPrPSCf PePsPSC†PµPSC,CfP°C†C-Cf PrPµPjPµC,PëP»-
C,P° PrPëPrPµPjPµC,PëP»PjPµC,P°P±PsP»C-C,C-PI P·P°P·PIPëC†P°Pµ CfC,P°PSPsPIPëC,Ch

PIC-PrPīPsPIC-PrPSPs 28-31 % C,P° < 5 % PIC-Pr PePsPSC†PμPSC,CḡP°C†C-C—
PμC†C†PēC,P°P»PsPīCḡP°PjCf. P'C-PsC,CḡP°PSC†C,,PsCḡPjP°C†C-C†
PμC†C†PēC,P°P»PsPīCḡP°PjCf PI PrPμPjPμC,PēP»CHbPsPIP°PSPēPNē PjPμC,P°P±PsP»C-C,
PIC-PrP±C†PIP°C"C,CḡC†C† PīPsP»PsPIPSPēPj C†PēPSPsPj P·P° PrPsPīPsPjPsPīPsCḡ
C†PēC,PsC...CḡPsPjCfB CYP2C19. PḡPsP¶P»PēPIP° PSPμP·PSP°C†PSP° C†C†P°C†C,Cḡ C†
PīCḡPsC†PμC†C- C-P·PsC,,PμCḡPjPμPSC,C-PI CYP3A4 C,P° CYP2D6.

P·P»C-PjC-PSP°C†C-C†

PμPμCḡC-PsPr PSP°PīC-PIPIPēPIPμPrPμPSPSC† (T_{1/2β}) P»C-PeP°CḡC†CḡPePsPīPs P·P°C†PsP±C†
C†C,P°PSPsPIPēC,Cḡ PīCḡPēP±P»PēP·PSPs 30 PīPsPrPēPs. PḡP»C-CḡPμPSC† (Cl_{oral}) PīCḡPē
PīPμCḡPsCḡP°P»CHbPSPsPjCf PīCḡPēPNēPsPjC- C†C,P°PSPsPIPēC,Cḡ PīCḡPēP±P»PēP·PSPs 0,6
P»/C...PI. P' PsC†PSPsPIPSPēC... PjPμC,P°P±PsP»C-C,C-PI PīPμCḡC-PsPr
PSP°PīC-PIPIPēPIPμPrPμPSPSC† PrPsPICēPēPNē. P·C†C†PēC,P°P»PsPīCḡP°Pj C,P° PNēPsPīPs
PsC†PSPsPIPSC- PjPμC,P°P±PsP»C-C,Pē PIPēPIPμPrC†C,CḡC†C† PīPμC†C-PSPePsCḡ
(PjPμC,P°P±PsP»C-C†PSPēPNē CēP»C†C...) C- PSPēCḡPeP°PjPē. P'C-P»CHbCēP° C†P°C†C,PēPSP°
PrPsP·Pē PIPēPIPμPrPēC,CḡC†C† C† PIPēPīP»C†PμC- PjPμC,P°P±PsP»C-C,C-PI C-P·
C†PμC†PμCḡ.

P>C-PSC-PNēPSC-C†C,Cḡ

PḡC-PSPμC,PēPeP° PμC†C†PēC,P°P»PsPīCḡP°PjCf P»C-PSC-PNēPSP°. P C-PIPSPsPIP°P¶PSP°
PePsPSC†PμPSC,CḡP°C†C-C† PrPsC†C†PīP°C"C,CḡC†C† PīCḡPēP±P»PēP·PSPs C†PμCḡPμP·

1 C,PēP¶PrPμPSCḡ. PŸPμCḡPμPrPSC† CḡC-PIPSPsPIP°P¶PSP° PePsPSC†PμPSC,CḡP°C†C-C† 50
PSPjPsP»CHb/P» (PIC-Pr 20 PrPs 125 PSPjPsP»CHb/P») PrPsC†C†PīP°C"C,CḡC†C† PīCḡPē
PrPsP±PsPIC-PNē PrPsP·C- 10 PjPi.

PμP°C†C-C"PSC,Pē P»C-C,PSCHbPsPīPs PIC-PeCž

Pj PīP°C†C-C"PSC,C-PI P»C-C,PSCHbPsPīPs PIC-PeC† (PIC-Pr 65 CḡPsPeC-PI)
PμC†C†PēC,P°P»PsPīCḡP°Pj PIPēPIPμPrPēC,CḡC†C† PīPsPIC-P»CHbPSC-CēPμ, PSC-P¶ C†
PjPsP»PsPrPēC... PīP°C†C-C"PSC,C-PI. PŸPēC†C,PμPjPSP° PμPeC†PīPsP·PēC†C-C† (AUC) C†
PsC†C-P± P»C-C,PSCHbPsPīPs PIC-PeC† PSP° 50 % PIPēC%°P°, PSC-P¶ C† PjPsP»PsPrPēC...
P·PrPsCḡPsPIPēC... PrPsP±CḡPsPIPμP»CHbC†C-PI (PrPēPI. CḡPsP·PrC-P» B«PŸPīPsC†C-P±
P·P°C†C,PsC†C†PIP°PSPSC† C,P° PrPsP·PēB»).

PμPμC†C-PSPePsPIP° PSPμPrPsC†C,P°C,PSC-C†C,Cḡ

Pj PīP°C†C-C"PSC,C-PI P· PīPsCḡC†CēPμPSPSC†Pj C,,C†PSPeC†C-C— PīPμC†C-PSPePē
P»PμPīPePsPīPs P°P±Ps C†PμCḡPμPrPSCḡPsPīPs C†C,C†PīPμPSC† C,C†P¶PePsC†C,C-
(PeP»P°C†Pē Pḡ C- P' P·P° PŸP°PNēP»PrPsPj-PμBḡ™ Cḡ) PīPμCḡC-PsPr
PSP°PīC-PIPIPēPIPμPrPμPSPSC† P±C†PI C† PrPIP° CḡP°P·Pē PrPsPICēPēPj, P°
PμPeC†PīPsP·PēC†C-C† PSP° 60 % PIPēC%°PsCḡ, PSC-P¶ PI PsC†C-P± C-P·
PSPsCḡPjP°P»CHbPSPsCḡ C,,C†PSPeC†C-C"Cḡ PīPμC†C-PSPePē (PrPēPI. CḡPsP·PrC-P»
B«PŸPīPsC†C-P± P·P°C†C,PsC†C†PIP°PSPSC† C,P° PrPsP·PēB»).

PkPēCḡPePsPIP° PSPμPrPsC†C,P°C,PSC-C†C,Cḡ

Pj PīP°C†C-C"PSC,C-PI P·C- P·PSPēP¶PμPSPsCḡ C,,C†PSPeC†C-C"Cḡ PSPēCḡPsPe (CL_{cr} 10-53
PjP»/C...PI) PīCḡPē P·P°C†C,PsC†C†PIP°PSPSC- CḡP°C†PμPjC-C†PSPsPīPs
C†PēC,P°P»PsPīCḡP°PjCf C†PīPsC†C,PμCḡC-PīP°PIC†C† PrPsPICēPēPNē PīPμCḡC-PsPr
PSP°PīC-PIPIPēPIPμPrPμPSPSC† C,P° PrPμC%°Ps P±C-P»CHbCēP° PμPeC†PīPsP·PēC†C-C†.

PIPsPrPsPIP¶CfCfC,CH C-PSC,PµCfPIP°P» QT (PrPëPI. CfPsP·PrC-P» B«P'P·P°C"PjPsPrC-C¶ P· C-PSC€PëPjPë P»C-PeP°CfCfCHPePëPjPë P·P°CfPsP±P°PjPë C,P° C-PSC€C- PIPëPrPë PIP·P°C"PjPsPrC-PNëB»).

P'P·P°C"PjPsPrC-C¶ P· C-PSC€PëPjPë P»C-PeP°CfCfCHPePëPjPë P·P°CfPsP±P°PjPë C,P° C-PSC€C- PIPëPrPë PIP·P°C"PjPsPrC-PNë.

PαP°CfPjP°PePsPrPëPSP°PjC-C±PSC- PIP·P°C"PjPsPrC-C—.

PµCfPsC,PëPìPsPeP°P·P°PSC- PePsPjP±C-PSP°C†C-C—.

PkPµCfPµP»PµPeC,PëPIPSC- PSPµPsP±PsCfPsC,PSC- C-PSPiC-P±C-C,PscfPë PñPñPñ.

PµPsPIC-PrPsPjP»C¶P»Pë PìCfPs PIPëPìP°PrPePë CfPµCfPNëPsP·PSPëC... CfPµP°PeC†C-PNë Cí PìP°C†C-C"PSC,C-PI, C¶PeC- PìCfPëPNëPjP°P»Pë PÿP†P—P—Pÿ Cí PePsPjP±C-PSP°C†C-C— P· PSPµCfPµP»PµPeC,PëPIPSPëPj PSPµPsP±PsCfPsC,PSPëPj P†PñPñPñ, C,P° Cí PìP°C†C-C"PSC,C-PI, C¶PeC- C%PsPNëPSPs P·P°PeC-PSC†PëP»Pë P»C-PeCfPIP°PSPSC¶ PÿP†P—P—Pÿ C- CfPsP·PìPsC†P°P»Pë PìCfPëPNëPsPj P†PñPñPñ (PrPëPI. CfPsP·PrC-P» B«PµCfPsC,PëPìPsPeP°P·P°PSPSC¶B»). Pj PrPµC¶PePëC... PIPëPìP°PrPeP°C... CfPsP·PIPëPSCfPICfC¶ CíPµCfPsC,PSPSC-PSPsPIPëPNë CíPëPSPrCfPsPj. PñPsPjP±C-PSP°C†C-C¶ PµCfC†PëC,P°P»PsPìCfP°PjCí P· PSPµCfPµP»PµPeC,PëPIPSPëPjPë PSPµPsP±PsCfPsC,PSPëPjPë P†PñPñPñ PìCfPsC,PëPìPsPeP°P·P°PSP°. P»C-PeCfPIP°PSPSC¶ PµCfC†PëC,P°P»PsPìCfP°PjPsPj CíP»C-Pr PìPsC†PëPSP°C,Pë C±PµCfPµP· 14 PrPSC-PI PìC-CfP»C¶ PIC-PrPjC-PSPë PSPµPsP±PsCfPsC,PSPsPìPs P†PñPñPñ. P»C-PeCfPIP°PSPSC¶ PSPµCfPµP»PµPeC,PëPIPSPëPjPë PSPµPsP±PsCfPsC,PSPëPjPë P†PñPñPñ CíP»C-Pr PìPsC†PëPSP°C,Pë PSPµ CfP°PSC-C€Pµ PSC-P¶ C±PµCfPµP· 7 PrPSC-PI PìC-CfP»C¶ PìCfPëPìPëPSPµPSPSC¶ PìCfPëPNëPsPjCí PµCfC†PëC,P°P»PsPìCfP°PjCí.

PñP±PsCfPsC,PSPëPNë CíPµP»PµPeC,PëPIPSPëPNë C-PSPiC-P±C-C,Pscf PñPñPñ C,PëPìCé Pñ (PjPsPeP»PsP±PµPjC-Pr).

PSPµCfPµP· CfPëP·PëPe CfPsP·PIPëC,PeCí CíPµCfPsC,PSPSC-PSPsPIPsPìPs CíPëPSPrCfPsPjCí PePsPjP±C-PSP°C†C-C¶ PµCfC†PëC,P°P»PsPìCfP°PjCí P· C-PSPiC-P±C-C,PscfPsPj PñPñPñ C,PëPìCí Pñ, C,P°PePëPj C¶Pe PjPsPeP»PsP±PµPjC-Pr, PìCfPsC,PëPìPsPeP°P·P°PSP° (PrPëPI. CfPsP·PrC-P» B«PµCfPsC,PëPìPsPeP°P·P°PSPSC¶B»). PìPeC%Ps PrPsPIPµPrPµPSP° PSPµPsP±C...C-PrPSC-CfC,CH C†C-C" C— PePsPjP±C-PSP°C†C-C—, CíPìPsC†P°C,PeCí CíP»C-Pr PìCfPëP·PSP°C†P°C,Pë PjC-PSC-PjP°P»CHPSC- CfPµPePsPjPµPSPrPsPIP°PSC- PrPsP·Pë P· CfPµC,PµP»CHPSPëPj PeP»C-PSC-C±PSPëPj PjPsPSC-C,PscfPëPSPìPsPj.

PñP±PsCfPsC,PSPëPNë PSPµCfPµP»PµPeC,PëPIPSPëPNë C-PSPiC-P±C-C,Pscf PñPñPñ (P»C-PSPµP·PsP»C-Pr).

PñPSC,PëP±C-PsC,PëPe P»C-PSPµP·PsP»C-Pr C" PsP±PsCfPsC,PSPëPj PSPµCfPµP»PµPeC,PëPIPSPëPj C-PSPiC-P±C-C,PscfPsPj PñPñPñ, C,PsPjCí PNëPsPìPs PSPµ CíP»C-Pr P·P°CfC,PscfPsPICfPIP°C,Pë PìP°C†C-C"PSC,P°Pj, C¶PeC- PsC,CfPëPjCfCfC,CH PµCfC†PëC,P°P»PsPìCfP°Pj. PìPeC%Ps PePsPjP±C-PSP°C†C-C¶ PIPëC¶PIP»C¶C" C,CHCfC¶ PSPµPsP±C...C-PrPSPsCf, P·P°CfC,PscfCfPIP°PSPSC¶ CíP»C-Pr CfPsP·PìPsC†PëPSP°C,Pë PjC-PSC-PjP°P»CHPSPëPjPë PrPsP·P°PjPë C,P° PìC-Pr CfPµC,PµP»CHPSPëPj PeP»C-PSC-C±PSPëPj PePsPSC,CfPsP»PµPj (PrPëPI. CfPsP·PrC-P» B«PµCfPsC,PëPìPsPeP°P·P°PSPSC¶B»).

PkPμPsP±PsCḥPsC,PSPëPNë CÍPμP»PμPeC,PëPIPSPëPNë C-PSPiC-P±C-C,PsCḥ PḥPḥPḥ C,PëPíCá P' (CÍPμP»PμPiC-P»C-PS).

PḥPsPjP±C-PSP°C†C-Cḥ C-P· CÍPμP»PμPiC-P»C-PSPsPj (PSPμPsP±PsCḥPsC,PSPëPNë C-PSPiC-P±C-C,PsCḥ PḥPḥPḥ C,PëPíCá P') PIPëPjP°PiP°C'' PsP±PμCḥPμPḥPSPsCÍC,C-C†PμCḥPμP· CḥPëP·PëPe CḥPsP·PIPëC,PeCá CÍPμCḥPsC,PsPSC-PSPsPiPsPiPs CÍPëPSPrCḥPsPjCá.

PŸPμP»PμPiC-P»C-PS Cí PrPsP·P°C... PrPs 10 PjPi/PrPsP±Cá PIPeP»CḥC†PSPs, P±PμP·PiPμC†PSPs P·P°CÍC,PsCÍPsPICáPIP°PICÍCḥ CḥP°P·PsPj C-P· CḥP°C†PμPjC-C†PSPëPj C†PëC,P°P»PsPiCḥP°PjPsPj.

PμPsPrPsPIPḥPμPSPSCḥ C-PSC,PμCḥPIP°P»Cá QT.

PαP°CḥPjP°PePsPeC-PSPμC,PëC†PSC- C,P° C,,P°CḥPjP°PePsPrPëPSP°PjC-C†PSC- PrPsCÍP»C-PrPḥPμPSPSCḥ PμCÍC†PëC,P°P»PsPiCḥP°PjCá PI PePsPjP±C-PSP°C†C-C— P· C-PSCëPëPjPë P»C-PeP°CḥCÍCḥPePëPjPë P·P°CÍPsP±P°PjPë, CḥPeC- PiPsPrPsPIPḥCáCḥC,CH C-PSC,PμCḥPIP°P» QT, PSPμ PiCḥPsPiPsPrPëP»Pë. PkPμ PjPsPḥPSP° PIPëPeP»CḥC†P°C,PëB PIPëPSPëPePSPμPSPSCḥ P°PrPëC,PëPIPSPsPiPs PμC,,PμPeC,Cá PIC-Pr CÍCáPjC-CÍPSPsPiPs P·P°CÍC,PsCÍCáPIP°PSPSCḥ PμCÍC†PëC,P°P»PsPiCḥP°PjCá C- C†PëC... P»C-PeP°CḥCÍCḥPePëC... P·P°CÍPsP±C-PI. PŸPsPjCá PsPrPSPsC†P°CÍPSPμ P·P°CÍC,PsCÍCáPIP°PSPSCḥ PμCÍC†PëC,P°P»PsPiCḥP°PjCá P· P»C-PeP°CḥCÍCḥPePëPjPë P·P°CÍPsP±P°PjPë, CḥPeC- PiPsPrPsPIPḥCáCḥC,CH C-PSC,PμCḥPIP°P» QT, C,P°PePëPjPë CḥPe P°PSC,PëP°CḥPëC,PjC-C†PSC- P»C-PeP°CḥCÍCḥPeC- P·P°CÍPsP±Pë PeP»P°CÍCá P†Pḥ C- P†P†P†, P°PSC,PëPiCÍPëC...PsC,PëPePë (PSP°PiCḥPëPeP»P°Pr PiPsC...C-PrPSC- C,,PμPSPsC,C-P°P·PëPSCá, PiC-PjPsP·PëPr, PiP°P»PsPiPμCḥPëPrPsP»), C,CḥPëC†PëPeP»C-C†PSC- P°PSC,PëPrPμPiCḥPμCÍP°PSC,Pë, PrPμCḥPeC- PiCḥPsC,PëPjC-PeCḥPsP±PSC- P»C-PeP°CḥCÍCḥPeC- P·P°CÍPsP±Pë (PSP°PiCḥPëPeP»P°Pr CÍPiP°CḥC,,P»PsPeCÍP°C†PëPS, PjPsPeCÍPëC,,P»PsPeCÍP°C†PëPS, PμCḥPëC,CḥPsPjC-C†PëPS B PrP»Cḥ PIPSCáC,CḥC-CëPSCḥPsPiPμPSPSPsPiPs PIPiPμPrPμPSPSCḥ, PiPμPSC,P°PjC-PrPëPS, PiCḥPsC,PëPjP°P»CḥCḥC-PNëPSC- P·P°CÍPsP±Pë, P·PsPeCḥPμPjP° PiP°P»PsC,,P°PSC,CḥPëPS), PiPμPIPSC- P°PSC,PëPiC-CÍC,P°PjC-PSPSC- P»C-PeP°CḥCÍCḥPeC- P·P°CÍPsP±Pë (P°CÍC,PμPjC-P·PsP», PiC-PrCḥPsPeCÍPëP·PëPS, PjC-P·PsP»P°CÍC,PëPS), PiCḥPsC,PëPiPsPeP°P·P°PSPμ.

PḥPsPjP±C-PSP°C†C-C—, C%Ps PiPsC,CḥPμP±CáCḥC,CH PsP±PμCḥPμPḥPSPsCÍC,C-.

PŸPμCḥPsC,PsPSC-PSPμCḥPiC-C†PSC- P·P°CÍPsP±Pë.

PḥPrPSPsC†P°CÍPSPμ P·P°CÍC,PsCÍCáPIP°PSPSCḥ C-P· CÍPμCḥPsC,PsPSC-PSPμCḥPiC-C†PSPëPjPë P»C-PeP°CḥCÍCḥPePëPjPë P·P°CÍPsP±P°PjPë, PSP°PiCḥPëPeP»P°Pr P· PsPiC-PsC—PrP°PjPë (PIPeP»CḥC†P°CḥC†Pë C,CḥP°PjP°PrPsP») C,P° C,CḥPëPiC,P°PSP°PjPë (PIPeP»CḥC†P°CḥC†Pë CÍCáPjP°C,CḥPëPiC,P°PS), PjPsPḥPμ PiCḥPëP·PIPμCÍC,Pë PrPs CḥPsP·PIPëC,PeCá CÍPμCḥPsC,PsPSC-PSPsPiPsPiPs CÍPëPSPrCḥPsPjCá.

P»C-PeP°CḥCÍCḥPeC- P·P°CÍPsP±Pë, C%Ps P·PSPëPḥCáCḥC,CH CÍCáPrPsPjPSPëPNë PiPsCḥC-Pi.

PŸP†P—P—PŸ PjPsPḥCáC,CH P·PSPëPḥCáPIP°C,Pë CÍCáPrPsPjPSPëPNë PiPsCḥC-Pi. P PμPePsPjPμPSPrCáC''C,CHCÍCḥ PsP±PμCḥPμPḥPSC-CÍC,CH PiCḥPë PsPrPSPsC†P°CÍPSPsPjCá P·P°CÍC,PsCÍCáPIP°PSPSC- P»C-PeP°CḥCÍCḥPePëC...

P·P°CÍPsP±C-PI, C%Ps P·PSPëP¶CíCĤC,CH CÍCíPrPsPjPSPëPNë PíPsCĤC-Pi,
PSP°PíCĤPëPëP»P°Pr P°PSC,PëPrPµPíCĤPµCÍP°PSC,C-PI (C,CĤPëC†PëPëP»C-C†PSC-,
PŸP†P—P—PŸ), PSPµPNëCĤPsP»PµPíC,PëPëC-PI (C,,PµPSPsC,C-P°P·PëPSPë,
C,C-PsPëCÍP°PSC,PµPSPë, P±CíC,PëCĤPsC,,PµPSPsPSPë), PjPµC,,P»PsC...C-PSCí,
P±CíPíCĤPsPíC-PsPSCí C- C,CĤP°PjP°PrPsP»Cí.

P>C-C,C-PMë, C,CĤPëPíC,PsC,,P°PS.

PĥCÍPëC-P»CHPëPë P·P°CĤPµC" CÍC,CĤPsPIP°PSPs PIPëPíP°PrPëPë PíPsCÍPëP»PµPSPSCÍ
PrC-C— PíCĤPë CÍCíPjC-CÍPSPsPjCí P·P°CÍC,PsCÍCíPIP°PSPSC- PŸP†P—P—PŸ C- P»C-C,C-CĤ
P°P±Ps C,CĤPëPíC,PsC,,P°PSCí, CĤPµPëPsPjPµPSPPrCíC"C,CHCÍCÍ P·
PsP±PµCĤPµP¶PSC-CÍC,CĤ PíCĤPëP·PSP°C†P°C,Pë C†C- P»C-PëP°CĤCÍCĤPëC- P·P°CÍPsP±Pë
PsPrPSPsC†P°CÍPSPs.

P—PIC-CĤPsP±C-PMë.

PĥPrPSPsC†P°CÍPSPµ P·P°CÍC,PsCÍCíPIP°PSPSCÍ PŸP†P—P—PŸ C,P° CĤPsCÍP»PëPSPSPëC...
P·P°CÍPsP±C-PI, C%Ps PjC-CÍC,CÍC,CH P·PIC-CĤPsP±C-PMë, PjPsP¶Pµ PíCĤPëP·PIPµCÍC,Pë
PrPs PíC-PrPIPëC%PµPSPSCÍ C†P°CÍC,PsC,Pë PíPsP±C-C†PSPëC... CĤPµP°PëC†C-PMë.

PĥPSC,PëPëPsP°PíCáP»CÍPSC,Pë.

PĥPsP¶P»PëPIP° P·PjC-PSP° PµC,,PµPëC,C-PI PíPµCĤPsCĤP°P»CHPSPëC...
P°PSC,PëPëPsP°PíCíP»CÍPSC,C-PI CíPSP°CÍP»C-PrPsPë PsPrPSPsC†P°CÍPSPsPíPs
P·P°CÍC,PsCÍCíPIP°PSPSCÍ P· PµCÍC†PëC,P°P»PsPíCĤP°PjPsPj. PµP°C†C-C" PSC,P°Pj, CÍPëC-
PíCĤPëPNëPjP°CĤC,CH PíPµCĤPsCĤP°P»CHPSC- P°PSC,PëPëPsP°PíCíP»CÍPSC,Pë,
PSPµPsP±C...C-PrPSPs PíCĤPsPIPµCÍC,Pë CĤPµC,PµP»CHPSPëPNë PjPsPSC-C,PsCĤPëPSPi
CÍPëCÍC,PµPjPë P·PíPsCĤC,P°PSPSCÍ PëCĤPsPIC- PíPµCĤPµPr C- PíC-CÍP»CÍ
P·P°CÍC,PsCÍCíPIP°PSPSCÍ PµCÍC†PëC,P°P»PsPíCĤP°PjCí (PrPëPI. CĤPsP·PrC-P»
B«PĥCÍPsP±P»PëPIPSCÍC,C- P·P°CÍC,PsCÍCíPIP°PSPSCÍB»).

PĥPrPSPsC†P°CÍPSPµ P·P°CÍC,PsCÍCíPIP°PSPSCÍ PSPµCÍC,PµCĤPsC—PrPSPëC...
PíCĤPsC,PëP·P°PíP°P»CHPSPëC... P·P°CÍPsP±C-PI PjPsP¶Pµ PíPsCÍPëP»PëC,Pë
CÍC...PëP»CHPSC-CÍC,CH PrPs PëCĤPsPIPµC,PµC†C- (PrPëPI. CĤPsP·PrC-P»
B«PĥCÍPsP±P»PëPIPSCÍC,C- P·P°CÍC,PsCÍCíPIP°PSPSCÍB»).

PĥP»PëPsPíPsP»CH.

P·CÍC†PëC,P°P»PsPíCĤP°Pj PSPµ PICÍC,CíPíP°C" Cí C,,P°CĤPjP°PëPsPrPëPSP°PjC-C†PSCí
P°P±Ps C,,P°CĤPjP°PëPsPëC-PSPµC,PëC†PSCí PIP·P°C" PjPsPrC-CĤ P· P°P»PëPsPíPsP»PµPj.
PĥPrPSP°Pë, CÍPë C- P· C-PSCëPëPjPë PíCÍPëC...PsC,CĤPsPíPSPëPjPëB
P»C-PëP°CĤCÍCĤPëPëPjPë P·P°CÍPsP±P°PjPë, PëPsPjP±C-PSP°C†C-CÍ P· P°P»PëPsPíPsP»PµPj
C" PSPµP±P°P¶P°PSPsCĤ.

*P>C-PëP°CĤCÍCĤPëC- P·P°CÍPsP±Pë, C%Ps CÍPíCĤPëC†PëPSCÍCĤC,CH
PíC-PíPsPëP°P»C-C" PjC-CĤ/PíC-PíPsPjP°PíPSC-C" PjC-CĤ.*

PĥPµPsP±C...C-PrPSP° PsP±PµCĤPµP¶PSC-CÍC,CH PíCĤPë CÍCíPíCíC,PSCHPsPjCí
P·P°CÍC,PsCÍCíPIP°PSPSC- P»C-PëP°CĤCÍCĤPëPëC... P·P°CÍPsP±C-PI, C%Ps
CÍPíCĤPëC†PëPSCÍCĤC,CH PíC-PíPsPëP°P»C-C" PjC-CĤ/PíC-PíPsPjP°PíPSC-C" PjC-CĤ,
PsCÍPëC-P»CHPëPë C†Pµ PíC-PrPIPëC%CíC" CĤPëP·PëPë PIPëPSPëPëPSPµPSPSCÍ
P·P»PsCÍPëC-CÍPSPsC— P°CĤPëC,PjC-C— (PrPëPI. CĤPsP·PrC-P» B«PĥCÍPsP±P»PëPIPSCÍC,C-
P·P°CÍC,PsCÍCíPIP°PSPSCÍB»).

PrP°CTjPjP°PePsPeC-PSPµC,PëC†PSC- PIP·P°C" PjPsPrC-C—.

P'PiP»PëPI C-PSCëPëC... P·P°CÍPs±C-PI PSP° C,,P°CTjPjP°PePsPeC-PSPµC,PëPeCé
PµCÍC†PëC,P°P»PsPiCTjP°PjCé. PñPµC,P°P±PsP»C-P·Pj PµCÍC†PëC,P°P»PsPiCTjP°PjCf
PiPsP»PsPIPSPëPj C†PëPSPsPj PsPiPsCÍPµCTjPµPrPePsPIP°PSPëPNë CYP2C19, P°P»Pµ PI
PjPµC,P°P±PsP»C-P·PjC- C,P°PePsP¶ P·P°PrC-ClPSC- CYP3A4 C- CYP2D6, C...PsC†P° C-
PjPµPSCëPsCñ PjC-CTjPsCñ. P§P°CÍC,PePsPIPëPj PeP°C,P°P»C-P·P°C,PsCTjPsPj
PjPµC,P°P±PsP»C-P·PjCf PsCÍPSPsPIPSPsPiPs PjPµC,P°P±PsP»C-C,Cf S-DCT
(PrPµPjPµC,PëP»CHñPsPIP°PSPsPiPs PµCÍC†PëC,P°P»PsPiCTjP°PjCf) PIPiP°P¶P°C" C,CHñCÍCl
C-P·PsC,,PµCTjPjPµPSC, CYP2D6.

PŸCfPjC-CÍPSPµ P·P°CÍC,PsCÍCfPIP°PSPSCµ PµCÍC†PëC,P°P»PsPiCTjP°PjCf C,P°
PsPjPµPiCTjP°P·PsP»Cf 30 PjPi 1 CTjP°P· PSP° PrPsP±Cf (CYP2C19 C-PSPiC-P±C-C,PsCTjP°)
PiCTjPëP·PiPsPrPëC,CH PrPs PiPsPjC-CTjPSPsPiPs (PiCTjPëP±P»PëP·PSPs PSP° 50 %)
PiC-PrPIPëC%PµPSPSCµ PePsPSC†PµPSC,CTjP°C†C-C— PµCÍC†PëC,P°P»PsPiCTjP°PjCf Cf
PiP»P°P·PjC- PeCTjPsPIC-.

PŸCfPjC-CÍPSPµ P·P°CÍC,PsCÍCfPIP°PSPSCµ PµCÍC†PëC,P°P»PsPiCTjP°PjCf C,P°
C†PëPjPµC,PëPrPëPSCf 400 PjPi 2 CTjP°P·Pë PSP° PrPsP±Cf (PiPsPjC-CTjPSPëPNë
P·P°PiP°P»CHñPSPëPNë C-PSPiC-P±C-C,PsCTj C,,PµCTjPjPµPSC,C-PI) PiCTjPëP·PiPµP»Ps PrPs
PiPsPjC-CTjPSPsPiPs (PiCTjPëP±P»PëP·PSPs PSP° 70 %) P·P±C-P»CHñCëPµPSPSCµ
PePsPSC†PµPSC,CTjP°C†C-C— PµCÍC†PëC,P°P»PsPiCTjP°PjCf Cf PiP»P°P·PjC- PeCTjPsPIC-.
P PµPePsPjPµPSPPrCf"C,CHñCÍCl P±CfC,Pë PsP±PµCTjPµP¶PSPëPj PiCTjPë
PsPrPSPSc†P°CÍPSPsPjCf P·P°CÍC,PsCÍCfPIP°PSPSC- PµCÍC†PëC,P°P»PsPiCTjP°PjCf C-P·
C†PëPjPµC,PëPrPëPSPsPj. PñPsP¶P»PëPIP° PePsCTjPµPeC†C-Cl PrPsP·Pë (PrPëPI. CTjPsP·PrC-P»
B«PhCÍPsP±P»PëPiPsCÍC,C- P·P°CÍC,PsCÍCfPIP°PSPSCµB»).

PŸP°PePëPj C†PëPSPsPj, PiCTjPë PsPrPSPsC†P°CÍPSPsPjCf P·P°CÍC,PsCÍCfPIP°PSPSC-
PµCÍC†PëC,P°P»PsPiCTjP°PjCf P· C-PSPiC-P±C-C,PsCTjP°PjPë CYP2C19 (PSP°PiCTjPëPeP»P°Pr
PsPjPµPiCTjP°P·PsP»PsPj, PµP·PsPjPµPiCTjP°P·PsP»PsPj, C,,P»CfPePsPSP°P·PsP»PsPj,
C,,P»CfPiPsPeCÍP°PjC-PSPsPj, P»P°PSCÍPsPiCTjP°P·PsP»PsPj, C,PëPeP»PsPiC-PrPëPSPsPj)
P°P±Ps C-P· C†PëPjPµC,PëPrPëPSPsPj CÍP»C-Pr P±CfC,Pë PsP±PµCTjPµP¶PSPëPjPë,
PiCTjPëP·PSP°C†P°CñC†Pë PIPµCTjC...PSC- PiCTjP°PSPëC†PSC- PrPsP·Pë
PµCÍC†PëC,P°P»PsPiCTjP°PjCf. P—PSPëP¶PµPSPSCµ PrPsP·Pë PµCÍC†PëC,P°P»PsPiCTjP°PjCf
PjPsP¶Pµ P±CfC,Pë PSPµPsP±C...C-PrPSPëPj P·P°P»PµP¶PSPs PIC-Pr PeP»C-PSC-C†PSPsC—
PsC†C-PSPëPë.

P'PiP»PëPI PµCÍC†PëC,P°P»PsPiCTjP°PjCé PSP° C,,P°CTjPjP°PePsPeC-PSPµC,PëPeCé C-PSCëPëC...
P·P°CÍPs±C-PI. P·CÍC†PëC,P°P»PsPiCTjP°Pj C" C-PSPiC-P±C-C,PsCTjPsPj PµPSP·PëPjCf
CYP2D6.

P PµPePsPjPµPSPPrCf"C,CHñCÍCl PsP±PµCTjPµP¶PSC-CÍC,CHñ PiCTjPë
PsPrPSPSc†P°CÍPSPsPjCf P·P°CÍC,PsCÍCfPIP°PSPSC- PµCÍC†PëC,P°P»PsPiCTjP°PjCf P·
P»C-PeP°CTjCÍCHñPePëPjPë P·P°CÍPsP±P°PjPë, C%Ps PjPµC,P°P±PsP»C-P·CfCñC,CHñCÍCl
PiPsP»PsPIPSPëPj C†PëPj PµPSP·PëPjPsPj C- PjP°CñC,CHñ PICfP·CHñPePëPNë
C,PµCTjP°PiPµPIC,PëC†PSPëPNë C-PSPPrPµPeCÍ, PSP°PiCTjPëPeP»P°Pr P·
C,,P»PµPeP°C—PSC-PrPsPj, PiCTjPsPiP°C,,PµPSPsPSPsPj C- PjPµC,PsPiCTjPsP»PsP»PsPj (PiCTjPë
CÍPµCTjC†PµPIC-PNë PSPµPrPsCÍC,P°C,PSPsCÍC,C-), P°P±Ps P· PrPµClPePëPjPë
P·P°CÍPsP±P°PjPë, C%Ps PIPiP»PëPIP°CñC,CHñ PSP° C†PµPSC,CTjP°P»CHñPSCf PSPµCTjPIPSPICf
CÍPëCÍC,PµPjCf C,P° PjPµC,P°P±PsP»C-P·CfCñC,CHñCÍCl PiPsP»PsPIPSPëPj C†PëPSPsPj
CYP2D6, PSP°PiCTjPëPeP»P°Pr C,P°PePëPjPë P°PSC,PëPrPµPiCTjPµCÍP°PSC,P°PjPë ClPe
PrPµP·PëPiCTjP°PjC-PS, PeP»PsPjC-PiCTjP°PjC-PS C- PSPsCTjC,CTjPëPiC,PëP»C-PS, C,P°PePëPjPë

P°PSC, PëPíCíPëC...PsC, PëPëP°PjPë CíPë CĤPëCíPíPµCĤPëPrPsPS, C,C-PsCĤPëPrP°P·PëPS C-
PíP°P»PsPíPµCĤPëPrPsP». PĤPsP¶P»PëPIP° PëPsCĤPµPëC†C-Cí PrPsP·Pë.

PĤPsPjP±C-PSP°C†C-Cí P· PrPµP·PëPíCĤP°PjC-PSPsPj P°P±Ps PjPµC,PsPíCĤPpsP»PsP»PsPj
PíCĤPëP·PIPsrPëP»P° PrPs PrPIPscĤP°P·PsPíPíPs B PíC-PrPIPëC%PµPSPSCí CĤC-PIPSCí Cí
PíP»P°P·PjC- PëCĤPsPIC- C†PëC... PrPIPsc... CíCíP±CíC,CĤP°C,C-PI CYP2D6.

Pj PrPsCíP»C-PrP¶PµPSPSCíC... *in vitro* P±CíP»Ps PíCĤPsPrPµPjPsPSCíC,CĤPsPIP°PSPs, C%Ps
PµCíC†PëC,P°P»PsPíCĤP°Pj CíPíCĤPëC†PëPSCíC” CíP»P°P±PëPµ PíCĤPëPíPSC-C†PµPSPSCí
CYP2C19. P PµPëPsPjPµPSPPrCíC”C,CĤCíCí PsP±PµCĤPµP¶PSC-CíC,CĤ PíCĤPë
PsPrPSPsc†P°CíPSPsPjCí P·P°CíC,PsCíCíPIP°PSPSC- P· P»C-PëP°CĤCíCĤPëPëPjPë
P·P°CíP±P°PjPë, C%Ps PjPµC,P°P±PsP»C-P·CíCĤC,CĤCíCí CYP2C19.

PĤCíPpsP±P»PëPIPscíC,C- P·P°CíC,PsCíCáPIP°PSPSCíC.

PĤPëP¶C†PµP·P°P·PSP°C†PµPSC- PsCíPpsP±P»PëPIPscíC,C- P·P°CíC,PsCíCíPIP°PSPSCíC
CíC,PsCíCíCĤC,CĤCíCí C,PµCĤP°PíPµPIC,PëC†PSPsc— PíCĤCíPíPë
CíPµP»PµPëC,PëPIPSPëC... C-PSPíC-P±C-C,PsCĤC-PI P·PIPscĤPsC,PsPíPs
P·P°C...PsPíP»PµPSPSCí CíPµCĤPsC,PsPSC-PSCí (PŸP†P—P—PŸ).

PµP°CĤP°PrPsPëCíP°P»CĤPSP° C,CĤPëPIPpsP¶PSC-CíC,CĤ. Pj PrPµCíPëPëC...
PíP°C†C-C”PSC,C-PI P· PíP°PSC-C†PSPëPjPë CĤPsP·P»P°PrP°PjPë PSP° PíPsc†P°C,PëCí
P»C-PëCíPIP°PSPSCí P°PSC,PëPrPµPíCĤPµCíP°PSC,P°PjPë PjPsP¶Pµ
CíPíPsCíC,PµCĤC-PíP°C,PëCíCí PíPsCíPëP»PµPSPSCí C,CĤPëPIPpsP¶PSPscíC,C-.
PµPsPrC-P±PSP° PíP°CĤP°PrPsPëCíP°P»CĤPSP° CĤPµP°PëC†C-Cí P·P°P·PIPëC†P°Pµ
P·PSPëPëP°C” PíCĤPsC,CíPíPsPj PrPIPsc... C,PëP¶PSC-PI P»C-PëCíPIP°PSPSCí. P©PsP±
P·PjPµPSCëPëC,Pë C-PjPsPIC-CĤPSC-CíC,CĤ PIPëPSPëPëPSPµPSPSCí
P°PSPëCíC-PsPíPµPSPSPsPíPs PµC,,PµPëC,Cí, CĤPµPëPsPjPµPSPPrCíCĤC,CĤCíCí
PSPëP·CĤPëC- PíPsc†P°C,PëPsPIC- PrPsP·Pë (PrPëPI. CĤPsP·PrC-P» B«PŸPíPsCíC-P±
P·P°CíC,PsCíCíPIP°PSPSCí C,P° PrPsP·PëB»).

PŸCáPrPsPjPSC- PSP°PíP°PrPë. PĤPµPsP±C...C-PrPSPs PIC-PrPjC-PSPëC,Pë
P»C-PëP°CĤCíCĤPëPëPµ P·P°CíC-P± Cí CĤP°P·C-, CíPëC%Ps Cí PíP°C†C-C”PSC,P°
PIPíPµCĤCëPµ CĤPsP·PIPëPSCíPICíCí CíCíPrPsPjPSPëPµ PSP°PíP°Pr P°P±Ps CíPëC%Ps
PSP°PíP°PrPë C†P°CíC,C-CëP°CĤC,CĤ (Cí PíP°C†C-C”PSC,C-PI P·C- PICíC,P°PSPsPIP»PµPSPëPj
PrC-P°PíPSPsP·PsPj PµPíC-P»PµPíCíC-C—). PŸP»C-Pr CíPSPëPëP°C,Pë
P·P°CíC,PsCíCíPIP°PSPSCí PŸP†P—P—PŸ PíP°C†C-C”PSC,P°Pj P·
PSPµCíC,P°P±C-P»CĤPSPscĤ PµPíC-P»PµPíCíC-C”CĤ, P° PíP°C†C-C”PSC,P°Pj P·
PëPsPSC,CĤPsP»CĤPsPIP°PSPscĤ PµPíC-P»PµPíCíC-C”CĤ BĤ” P·P°P±PµP·PíPµC†PëC,Pë
PíPëP»CĤPSPëPµ PSP°PíP»CíPr.

PĤP°PSC-C—. PŸP†P—P—PŸ CíP»C-Pr P· PsP±PµCĤPµP¶PSC-CíC,CĤ
P·P°CíC,PsCíPscíPíP°C,Pë PrP»CíC P»C-PëCíPIP°PSPSCí PíP°C†C-C”PSC,C-PI P·
PjP°PSC-C”CĤ/PíC-PíPsPjP°PSC-C”CĤ PI P°PSP°PjPSPµP·C-. PµCĤPë PíPsCíPIC-
PjP°PSC-P°PëP°P»CĤPSPsPíPs CíC,P°PSCí PŸP†P—P—PŸ CíP»C-Pr PIC-PrPjC-PSPëC,Pë.

PíCáPëCĤPsPIPëPµ PrC-P°P±PµC,.. Pj PíP°C†C-C”PSC,C-PI C-P· C†CíPëCĤPsPIPëPj
PrC-P°P±PµC,PsPj P»C-PëCíPIP°PSPSCí PŸP†P—P—PŸ PjPsP¶Pµ P·PjC-PSCĤPIP°C,Pë
PíP»C-PëPµPjC-C†PSPëPµ PëPsPSC,CĤPsP»CĤ. P”PsP·CíPIP°PSPSCí C-PSCíCíP»C-PSCí
C,P°/P°P±Ps PíPµCĤPsCĤP°P»CĤPSPsPíPs PíC-PíPsPíP»C-PëPµPjC-C†PSPsPíPs P·P°CíPpsP±Cí

PjPsP¶Pµ PīPsC, CĤPµP±CfPIP°C, Pë PePsCĤPµPeC†C-C—.

PŸCžC—C†PëPr, CĴCžC—C†PëPrP°P»CHPSC- PrCžPjPePë P°P±Ps PeP»C-PSC-C†PSPµ
PīPsPiC-CĤC€PµPSPSCĬ. P”PµPīCĤPµCĴC-CĬ PīPsPIBĤ™ CĬP·P°PSP° P· CĤPëP·PëPePsPj
CĴCfC—C†PëPrP°P»CHPSPëC... PrCfPjPsPe, CĴP°PjPsC, CĤP°PIPjCfPIP°PSPSCĬ C, P°
CĴCfC—C†PëPrCf. PjPµPNë CĤPëP·PëPe C-CĴPSCfC” P°P¶ PrPs PrPsCĴCĬPiPSPµPSPSCĬ
CĴC, C-PNëPePsC— CĤPµPjC-CĴC-C—. PĥCĴPeC-P»CHPePë PīPsPeCĤP°C%PµPSPSCĬ
CĴC, P°PSCf PjPsP¶Pµ P±CfC, Pë PSPµ PrPsCĴCĬPiPSCfC, Pµ PīCĤPsC, CĬPiPsPj PīPµCĤC€PëC...
C, PëP¶PSC-PI P»C-PeCfPIP°PSPSCĬ P°P±Ps P±C-P»CHC€Pµ, CĴP»C-Pr CĤPµC, PµP»CHPSPs
CĴPīPsCĴC, PµCĤC-PiP°C, Pë P·P° PīP°C†C-C”PSC, P°PjPë PrPs PīPsPeCĤP°C%PµPSPSCĬ
C—C...PSCĤPsPiPs CĴC, P°PSCf. P’C-PrPsPjPs, C%Ps CĤPëP·PëPe CĴCfC—C†PëPrCf PjPsP¶Pµ
PīC-PrPIPëC%CfPIP°C, PëCĴCĬ PSP° CĤP°PSPSC-C... CĴC, P°PrC-CĬC... PsPrCfP¶P°PSPSCĬ.

P†PSC€C- CĴC, P°PSPë, PīCĤPë CĬPePëC... P·P°CĴC, PsCĴPsPICfCĤC, CH
PµCĴC†PëC, P°P»PsPīCĤP°Pj, C, P°PePsP¶ PjPsP¶CfC, CH P±CfC, Pë PīPsPIBĤ™ CĬP·P°PSC- P·
CĤPëP·PëPePsPj CĴCfC—C†PëPrP°P»CHPSPsC— PīPsPIPµPrC-PSPePë. PĤCĤC-Pj C, PsPiPs,
C, P°PeC- CĴC, P°PSPë PjPsP¶CfC, CH P±CfC, Pë PePsPjPsCĤP±C-PrPSPëPjPë P· PIPµP»PëPePëPj
PrPµPīCĤPµCĴPëPIPSPëPj CĤPsP·P»P°PrPsPj. PjC- P·P°CĴC, PµCĤPµP¶PµPSPSCĬ
CĴC, PsCĴCfCĤC, CHCĴCĬ C, P°PePsP¶ P»C-PeCfPIP°PSPSCĬ PīP°C†C-C”PSC, C-PI P·
C-PSC€PëPjPë PīCĴPëC...C-C†PSPëPjPë CĤPsP·P»P°PrP°PjPë.

PµP°C†C-C”PSC, Pë P· P°PSP°PjPSPµP·PsPj CĴCfC—C†PëPrP°P»CHPSPsC— PīPsPIPµPrC-PSPePë
C%Pµ PrPs PīPsC†P°C, PeCf P»C-PeCfPIP°PSPSCĬ PjP°CĤC, CH PSP°PNëPIPëC%PëPNë
CĤPëP·PëPe CĴCfC—C†PëPrP°P»CHPSPëC... PrCfPjPsPe P°P±Ps CĴCfC—C†PëPrP°P»CHPSPëC...
CĴPīCĤPsP± C- PīPsC, CĤPµP±CfCĤC, CH PīPëP»CHPSPsPiPs CĴPīPsCĴC, PµCĤPµP¶PµPSPSCĬ
PīCĤPsC, CĬPiPsPj P»C-PeCfPIP°PSPSCĬ. PĤPµC, P°P°PSP°P»C-P· PrPsCĴP»C-PrP¶PµPSCĤ P·
PIPëPePsCĤPëCĴC, P°PSPSCĬPj PµCĴC†PëC, P°P»PsPīCĤP°PjCf PIPëCĬPIPëPI
PīC-PrPIPëC%PµPSPëPNë CĤPëP·PëPe CĴCfC—C†PëPrP°P»CHPSPsC— PīPsPIPµPrC-PSPePë
CĴPµCĤPµPr PīP°C†C-C”PSC, C-PI PIC-PePsPj PrPs 25 CĤPsPeC-PI, CĬPeC- PīCĤPëPNëPjP°P»Pë
P°PSC, PëPrPµPīCĤPµCĴP°PSC, Pë, PīPsCĤC-PIPSCĬPSPs P· C, PëPjPë, CĬPeC- PīCĤPëPNëPjP°P»Pë
PīP»P°C†PµP±Ps. PµPëP»CHPSPëPNë PSP°PiP»CĬPr P·P° PīP°C†C-C”PSC, P°PjPë P·
PIPëCĴPsPePëPj CĤPëP·PëPePsPj PsCĴPsP±P»PëPIPs PSPµPsP±C...C-PrPSPëPNë PSP°
PīPsC†P°C, PeCf P»C-PeCfPIP°PSPSCĬ C, P° PīCĤPë P·PjC-PSC- PrPsP·Pë.

PµP°C†C-C”PSC, C-PI C, P° PsCĴC-P±, CĬPeC- P·P° PSPëPjPë PrPsPiP»CĬPrP°CĤC, CH, CĴP»C-Pr
PīPsPīPµCĤPµPrPëC, Pë PīCĤPs PSPµPsP±C...C-PrPSC-CĴC, CH CĴPīPsCĴC, PµCĤPµP¶PµPSPSCĬ
C%PsPrPs P±CfPrCH-CĬPePsPiPs PīPsPiC-CĤC€PµPSPSCĬ CĴC, P°PSCf,
CĴCfC—C†PëPrP°P»CHPSPsC— PīPsPIPµPrC-PSPePë P°P±Ps PrCfPjPsPe C-
PSPµP·PIPëC†PSPëC... P·PjC-PS Cf PīPsPIPµPrC-PSC†C-, P° C, P°PePsP¶ PīCĤPs
PSPµPsP±C...C-PrPSC-CĴC, CH PSPµPīP°PNëPSPsPiPs P·PIPµCĤPSPµPSPSCĬ PrPs
P»C-PeP°CĤCĬ Cf CĤP°P·C- CĤPsP·PIPëC, PeCf C†PëC... CĴPëPjPīC, PsPjC-PI.

PĥPeP°C, PëP·C-CĬ/PīCĴPëC...PsPjPsC, PsCĤPSPµ P·P±CžPrP¶PµPSPSCĬ.
P—P°CĴC, PsCĴCfPIP°PSPSCĬ PŸP†P—P—PŸ/PŸP†P—P—PŸPĶ PīPsPIBĤ™ CĬP·P°PSPµ P·
CĤPsP·PIPëC, PePsPj P°PeP°C, PëP·C-C— BĤ” CĴC, P°PSCf, C%Ps
C...P°CĤP°PeC, PµCĤPëP·CfC”C, CHCĴCĬ PSPµPīCĤPëC”PjPSPëPj PIPëCĴPSP°P¶P»PëPIPëPj
PIC-PrC†CfC, C, CĬPj PSPµCĴPīPsPePsCĤ C, P° PīPsC, CĤPµP±PsCĤ CĤCfC...P°C, PëCĴCĬ C-
C†P°CĴC, Ps CĴCfPīCĤPsPIPsPrP¶CfC”C, CHCĴCĬ PSPµP·PrP°P, PSC-CĴC, CĤ CĴPëPrC-C, Pë
P°P±Ps CĴC, PsCĬC, Pë PSP° PsPrPSPsPjCf PjC-CĴC†C-. PŸP°PePëPNë CĴC, P°PS
PSP°PNëP±C-P»CHC€ C-PjPsPIC-CĤPSPëPNë PīCĤPsC, CĬPiPsPj PīPµCĤC€PëC...
PeC-P»CHPePsC... C, PëP¶PSC-PI P»C-PeCfPIP°PSPSCĬ. P—P±C-P»CHC€PµPSPSCĬ PrPsP·Pë
PjPsP¶Pµ PīPsPiC-CĤC€PëC, Pë CĴC, P°PS PīP°C†C-C”PSC, C-PI, Cf CĬPePëC...

СҗPsP·PIPëPSCfP»PëCfCЦ C,P°PeC- CГPëPjPiC,PsPjPë.

P“C-PiPsPSP°C,CҗC-C”PjC-CЦ. P“C-PiPsPSP°C,CҗC-C”PjC-CЦ, PjPsP¶P»PëPIPs,
PiPsPIвҗ™ CЦP·P°PSP° P· PiPsCҗCfC€PµPSPSCЦPj CГPµPeCҗPµC+C-C—
P°PSC,PëPrC-CfCҗPµC,PëC±PSPsPiPs PiPsCҗPjPsPSCf (PҗP”P“), PSP° C,P»C- PiCҗPëPNëPsPjCf
PŸP†P—P—PŸ PIPëPSPëPeP°C” CҗC-PrPePs C- P·P°P·PIPëC±P°PNë P·PSPëPeP°C” PiC-CГP»CЦ
PIC-PrPjC-PSPë C,PµCҗP°PiC-C—. PŸP†P—P—PŸ CГP»C-Pr PiCҗPëP·PSP°C±P°C,Pë P·
PsP±PµCҗPµP¶PSC-CГC,Сҗ PiP°C†C-C”PSC,P°Pj PiCҗCfPiPë CҗPëP·PëPeCf (P»C-C,PSC-PNë
PIC-Pe, PSP°CЦPIPSC-CГC,Сҗ C†PëCҗPsP·Cf PiPµC±C-PSPePë P°P±Ps PsPrPSPsC±P°CГPSPµ
P»C-PeCfPIP°PSPSCЦ P»C-PeP°CҗCГCҗPëPëPjPë P·P°CГPsP±P°PjPë, C%oPs
CГPiCҗPëC±PëPSCЦCҗC,Сҗ PiC-PiPsPSP°C,CҗC-C”PjC-Cҗ).

PлCҗPsPIPsPIPëP»PëPIPë. PµCҗPë PiCҗPëPNëPsPjC- PŸP†P—P—PŸ PjPsP¶P»PëPIPëPNë
CҗPsP·PIPëC,PsPe C€PeC-CҗPSPëC... PeCҗPsPIPsC,PµC± (PµPeC...C-PjPsP· C- PiCfCҗPiCfCҗP°).
PŸP†P—P—PŸ/PŸP†P—P—PŸPќ PjPsP¶CfC,Сҗ P·P±C-P»CҗC€PëC,Pë CҗPëP·PëPe
PiC-CГP»CЦPiPsP»PsPiPsPIPëC... PeCҗPsPIPsC,PµC± (PrPëPi. CҗPsP·PrC-P»Pë
B«P—P°CГC,PsCГCfPIP°PSPSCЦ CГ PiPµCҗC-PsPr PIP°PiC-C,PSPsCГC,C- P°P±Ps
PiPsPrCfPIP°PSPSCЦ PiCҗCfPrPrCҗB» C,P° B«PµPsP±C-C±PSC- CҗPµP°PeC+C-C—B»).
PќPµPsP±C...C-PrPSPs P· PsP±PµCҗPµP¶PSC-CГC,Сҗ P·P°CГC,PsCГPsPICfPIP°C,Pë
PŸP†P—P—PŸ PiP°C†C-C”PSC,P°Pj, CЦPeC- PiCҗPëPNëPjP°CҗC,Сҗ PsPrPSPsC±P°CГPSPs
P°PSC,PëPePsP°PiCfP»CЦPSC,Pë C- P»C-PeP°CҗCГCҗPëC- P·P°CГPsP±Pë, C%oPs
PIPïP»PëPIP°CҗC,Сҗ PSP° C,,CfPSPeC+C-Cҗ C,CҗPsPjP±PsC†PëC,C-PI (PSP°PiCҗPëPeP»P°Pr
P°C,PëPiPsPIC- P°PSC,PëPiCГPëC...PsC,PëC±PSC- P·P°CГPsP±Pë, C,,PµPSPsC,C-P°P·PëPSPë,
C,CҗPëC†PëPeP»C-C±PSC- P°PSC,PëPrPµPiCҗPµCГP°PSC,Pë,
P°C†PµC,PëP»CГP°P»C-C†PëP»PsPICf PePëCГP»PsC,Cf C,P° PSPµCГC,PµCҗPsC—PrPSC-
PiCҗPsC,PëP·P°PiP°P»CҗPSC- P·P°CГPsP±Pë, PrPëPiC-CҗPëPrP°PjPsP» C-
C,PëPeP»PsPiC-PrPëPS), P° C,P°PePsP¶ PiP°C†C-C”PSC,P°Pj P·C- CГC...PëP»CҗPSC-CГC,Сҗ PrPs
PeCҗPsPIPsC,PµC±.

P·PŸPŸ (PµP»PµPeC,CҗPsCГCзPrPsPjPSP° C,PµCҗP°PiC-CЦ). PлP»C-PSC-C±PSPëPNë
PrPsCГPIC-Pr PsPrPSPsC±P°CГPSPsPiPs P·P°CГC,PsCГCfPIP°PSPSCЦ PŸP†P—P—PŸ C,P° P·PŸPŸ
PsP±PjPµP¶PµPSPëPNë, C,PsPjCf CҗPµPePsPjPµPSPrCfC”C,СҗCГCЦ
PsP±PµCҗPµP¶PSC-CГC,Сҗ.

P PµPIPµCҗCГPëPIPSC-, CГPµP»PµPeC,PëPIPSC- P†PлPҗPҗ C,PëPiCз Pҗ.
PлPsPjP±C-PSCfPIP°C,Pë PµCГC†PëC,P°P»PsPiCҗP°Pj C,P° P†PлPҗPҗ C,PëPiCf Pҗ PSPµ
CҗPµPePsPjPµPSPrCfC”C,СҗCГCЦ C±PµCҗPµP· CҗPëP·PëPe PIPëPSPëPePSPµPSPSCЦ
CГPµCҗPsC,PsPSC-PSPsPIPsPiPs CГPëPSPrCҗPsPjCf.

PŸPµCҗPsC,PsPSC-PSPsPIPëPNë CГPëPSPrCҗPsPj. P PµPePsPjPµPSPrCfC”C,СҗCГCЦ
PsP±PµCҗPµP¶PSC-CГC,Сҗ PiCҗPë PsPrPSPsC±P°CГPSPsPjCf P·P°CГC,PsCГCfPIP°PSPSC-
PµCГC†PëC,P°P»PsPiCҗP°PjCf P· P»C-PeP°CҗCГCҗPëPëPjPë P·P°CГPsP±P°PjPë, C%oPs
C±PëPSCЦC,Сҗ CГPµCҗPsC,PsPSC-PSPµCҗPiC-C±PSCf PrC-Cҗ, C,P°PePëPjPë CЦPe
C,CҗPëPiC,P°PSPë (PIPëP»CҗC±P°CҗC±Pë CГCfPjP°C,CҗPëPiC,P°PS), B PsPiC-PsC—PrPë
(PIPëP»CҗC±P°CҗC±PëB C,CҗP°PjP°PrPsP») C- C,CҗPëPiC,PsC,,P°PS.

Pj PiP°C†C-C”PSC,C-PI, CЦPeC- PiCҗPëPNëPjP°CҗC,Сҗ PŸP†P—P—PŸ PsPrPSPsC±P°CГPSPs C-P·
CГPµCҗPsC,PsPSC-PSPµCҗPiC-C±PSPëPjPë P»C-PeP°CҗCГCҗPëPëPjPë P·P°CГPsP±P°PjPë, CГ
PiPsPsPrPëPSPsPePëC... PIPëPiP°PrPeP°C... PjPsP¶Pµ CҗPsP·PIPëPSCfC,PëCГCЦ
CГPµCҗPsC,PsPSC-PSPsPIPëPNë CГPëPSPrCҗPsPj. PќPµPsP±C...C-PrPSPs P·
PsP±PµCҗPµP¶PSC-CГC,Сҗ P·P°CГC,PsCГPsPICfPIP°C,Pë PµCГC†PëC,P°P»PsPiCҗP°Pj
PsPrPSPsC±P°CГPSPs P· P»C-PeP°CҗCГCҗPëPëPjPë P·P°CГPsP±P°PjPë, C%oPs C±PëPSCЦC,Сҗ

СГРµСГПсС,PsPSC-PSРµСГРiC-C±PSCr PrC-CГ. PkP° PNsPisPis СГРсP·PIPëC,PsPe PjPsP¶Pµ PIPeP°P·CfPIP°C,Pe PePsPjP±C-PSР°C+C-Cl C,P°PePëC... СГРëPjPëC,PsPjC-PI ClPe P°P¶PëC,P°C+C-Cl, C,СГРµPjPsСГ, PjC-PsPeP»PsPSCrCГ, PiC-PiPµСГC,РµСГРjC-Cl. PïPeC%Ps PIPëPSPëPeP»P° C,P°PeP° СГРëC,CrP°C+C-Cl, C,Ps PÿP†P—P—Pÿ C- СГРµСГПсС,PsPSC-PSРµСГРiC-C±PSC- P»C-PeP°СГРiСГPëC- P·P°СГРsP±Pë PSPµPsP±C...C-PrPSPs C,РµСГРjC-PSPsPIPs PIC-PrPjC-PSPëC,Pe C- PïСГРPëP·PSP°C±PëC,Pe СГРëPjPëC,PsPjP°C,PëC±PSРµ P»C-PeCfPIP°PSPSCl.

P—PIC-СГРPsP±C-PNë. PhPrPSPsC±P°СГРSPµ P·P°СГC,PsCГCfPIP°PSPSCl PÿP†P—P—Pÿ C,P° СГРPsCГP»PëPSPSPëC... P·P°СГPsP±C-PI, C%Ps PjC-СГC,ClC,СГ P·PIC-СГРPsP±C-PNë, PjPsP¶Pµ PïСГРPëP·PIPµCГC,Pe PrPs PïC-PrPIPëC%PµPSPSCl C±P°СГC,PsC,Pe PïPsP±C-C±PSPëC... СГРµPµP°PeC+C-PNë (PrPëPI. СГРPsP·PrC-P» B«P'P·P°C" PjPsPrC-Cl P· C-PSCëPëPjPë P»C-PeP°СГРiСГPëPëPjPë P·P°СГPsP±P°PjPë C,P° C-PSCëC- PIPëPrPë PIP·P°C" PjPsPrC-PNëB»).

PÿPëPjPëC,PsPjPë PIC-PrPjC-PSPë PïСГРPë P·P°PeC-PSC±PµPSPSC- P»C-PeCfPIP°PSPSCl, PsCГPsP±P»PëPIPs СГC-P·PePsPjCf, C" PïPsCëPëСГРµPSPëPjPë. P'C-PrPsPjPs, C%Ps Cr PrPsCГP»C-PrP¶PµPSPSClC... PïСГРPë PïСГРPëPïPëPSPµPSPSC- P»C-PeCfPIP°PSPSCl PïPsP±C-C±PSC- PµC,,PµPeC,Pe PIPëPSPëPeP°P»Pë PïСГРPëP±P»PëP·PSPs Cr 25 % PïP°C+C-C"PSC,C-PI, ClPeC- PïСГРPëPNëPjP°P»Pë PµCГC†PëC,P°P»PsPïСГP°Pj, C,P° Cr 15 % PïP°C+C-C"PSC,C-PI, ClPeC- PïСГРPëPNëPjP°P»Pë PïP»P°C†PµP±Ps. P PëP·PëPe СГРëPjPëC,PsPjC-PI PIC-PrPjC-PSPë PjPsP¶Pµ P·P°P»PµP¶P°C,Pe PIC-Pr PeC-P»СГPëPsC... C,,P°PeC,PsСГC-PI, Cr C,. C±. PIC-Pr C,СГРPëPIP°P»PsCГC,C- C,P° PrPsP·Pë, CëPIPëPrPePsCГC,C- P·PSPëP¶PµPSPSCl PrPsP·Pë. P—P°PïP°PjPsСГPсC±PµPSPSCl, СГРµPSCГPsСГPSC- PïPsСГCfCëPµPSPSCl (Cr C,. C±. PïP°СГРµCГC,РµP·C—, PIC-PrC±CfC,C,Cl CrPrP°СГCf CГC,СГCfPjPsPj), СГРPsP·P»P°PrPë СГРPSCr (Cr C,. C±. P±PµP·CГPsPSPSCl, ClCГPëСГP°PIC- СГРSPsPIPëPrC-PSPSCl), P·P±CfPrP¶PµPSPSCl P°P±Ps C,СГРPëPIPsP¶PSC-СГC,СГ, PSCrPrPsC,P° C,P°/P°P±Ps P±P»СГPIP°PSPSCl, C,СГРµPjPsСГ, СГРiP»CfC,P°PSC-СГC,СГ СГPIC-PrPsPjPsCГC,C-, PïC-PrPIPëC%PµPSPµ PïPsC,PsPIPëPrC-P»PµPSPSCl, PïPsP»PsPIPSPëPNë P±C-P»СГ, PrC-P°СГPµCl, PïPsCГPëP»PµPSPµ СГРµСГC†PµP±PëC,C,Cl, PµPjPsC+C-PNëPSP° PSPµCГC,P°P±C-P»СГPSC-СГC,СГ, PrСГP°C,C-PIP»PëPIC-СГC,СГ C- PïPsСГCfCëPµPSPSCl P·PsСГCf C" PSP°PNëC±P°СГC,C-СëPëPjPë СГРµPµP°PeC+C-ClPjPë. P—P°P·PIPëC±P°PNë C+C- СГРëPjPëC,PsPjPë C" P»PµPiPePëPjPë P°P±Ps СГРµСГРµPrPSC-PjPë P·P° C,ClP¶PeC-СГC,СГ, P°P»Pµ Cr PrPµClPePëC... PïP°C+C-C"PSC,C-PI PjPsP¶CfC,СГ P±CfC,Pe C,ClP¶C±PëPjPë. P'PsPSPë P·P°P·PIPëC±P°PNë PIPëPSPëPeP°СГC,СГ PïСГPсC,ClPiPsPj PïPµСГCëPëC... PeC-P»СГPëPsC... PrC-P± PïC-СГP»Cl PïСГРPëPïPëPSPµPSPSCl P»C-PeCfPIP°PSPSCl, P°P»Pµ P±CfP»Pë PrCfP¶Pµ СГC-PrPeC-СГPSC- PïPsPIC-PrPsPjP»PµPSPSCl PïСГPs PïPsPrC-P±PSC- СГРëPjPëC,PsPjPë Cr PïP°C+C-C"PSC,C-PI, ClPeC- PIPëPïP°PrPePsPIPs PïСГPsPïCfCГC,PëP»Pë PrPsP·Cf. PïPe PïСГP°PIPëP»Ps, СГРëPjPëC,PsPjPë PIC-PrPjC-PSPë PjPëPSP°СГC,СГ PïСГPсC,ClPiPsPj 2 C,PëP¶PSC-PI, PsPrPSP°Pe Cr PrPµClPePëC... PïP°C+C-C"PSC,C-PI PjPsP¶CfC,СГ C,СГРPëPIP°C,Pe P±C-P»СГCëPµ (2-3 PjC-СГCClC+C- P°P±Ps P±C-P»СГCëPµ). PÿP°PePëPj C±PëPSPsPj, СГРµPePsPjPµPSPrCfC"С,СГCГC PïPsCГC,CfPïPsPIPµ PïСГРPëPïPëPSPµPSPSCl P»C-PeCfPIP°PSPSCl PµCГC†PëC,P°P»PsPïСГP°PjPsPj CëP»ClC...PsPj P·PSPëP¶PµPSPSCl PrPsP·Pë PïСГPсC,ClPiPsPj PeC-P»СГPëPsC... C,PëP¶PSC-PI P°P±Ps PjC-СГCClC+C-PI, P·P°P»PµP¶PSPs PIC-Pr CГC,P°PSCr PïP°C+C-C"PSC,P° (PrPëPI. СГРPsP·PrC-P» B«PÿPïPsCГC-P± P·P°СГC,PsCГCfPIP°PSPSCl C,P° PrPsP·PëB»).

PÿPµPeCГCáP°P»СГPSP° PrPëCГC,,CáPSPeC+C-Cl. PÿP†P—P—Pÿ/P†P—P—PÿPk PjPsP¶CfC,СГ СГРPïСГPëC±PëPSClC,Pe СГРëPjPëC,PsPjPë СГРµPeCГCfP°P»СГPSPsC— PrPëCГC,,CfPSPeC+C— (PrPëPI. СГРPsP·PrC-P» B«PµPsP±C-C±PSC- СГРµPµP°PeC+C—B»). P'CrP»Pë PïPsPIC-PrPsPjP»PµPSPSCl PïСГPs C,СГРPëPIP°P»C- СГРµPeCГCfP°P»СГPSC-

PrPëCÍC, „CíPSPeC†C-C—, PrPµ B CÍPëPjPiC, PsPjPë PiCĤPsPrPsPIP¶CíPIP°P»PëCÍCĬ
PiC-CÍP»CĬ PiCĤPëPiPëPSPµPSPSCĬ P»C-PeCíPIP°PSPSCĬ PŸP†P—P—PŸ / P†P—P—PŸPќ.

P†C€PµPjC-C†PSP° C...PIPScĤPsP±P° CÍPµCĤC†CĬ. P PµPePsPjPµPSPPrCíC”C, CĤCÍCĬ P·
PsP±PµCĤPµP¶PSC-CÍC, CĤ PiCĤPëP·PSP°C†P°C, Pë P»C-PeP°CĤCÍCĤPëPëPNë
P·P°CÍC-P± PiP°C†C-C”PSC, P°Pj P· C-C€PµPjC-C†PSPScĤ C...PIPScĤPsP±PsCĤ
CÍPµCĤC†CĬ C†PµCĤPµP· PsP±PjPµP¶PµPSPëPNë PeP»C-PSC-C†PSPëPNë PrPsCÍPIC-Pr.

PµPsPrPsPIP¶PµPSPSCĬ C-PSC, PµCĤPIP°P»Cż QT. P’PëCĬPIP»PµPSPs, C%oPs
PµCÍC†PëC, P°P»PsPiCĤP°Pj CÍPiCĤPëC†PëPSCĬC” PrPsP·PsP·P°P»PµP¶PSPµ
PiPsPrPsPIP¶PµPSPSCĬ C-PSC, PµCĤPIP°P»Cí QPŸ. Pj
PiC-CÍP»CĬCĤPµC”CÍC, CĤP°C†C-PNëPSPëPNë PiPµCĤC-PsPr PiPsPIC-PrPsPjP»CĬP»PsCÍCĬ
PiCĤPs PIPëPiP°PrPePë PiPsPrPsPIP¶PµPSPSCĬ C-PSC, PµCĤPIP°P»Cí QT C, P°
C€P»CíPSPSc†PePsPIPëC... P°CĤPëC, PjC-PNë, Cí C, PsPjCí C†PëCÍP»C- PiPsP»C-PjPsCĤC,, PSPSc—
C€P»CíPSPSc†PePsPIPSc— C, P°C...C-PeP°CĤPrC-C— (torsade de pointes), PiPµCĤPµPIP°P¶PSPs
Cí PiP°C†C-C”PSC, C-PI P¶C-PSPSc†PsC— CÍC, P°C, C- P· PiC-PiPsPeP°P»C-C”PjC-C”CĤ P°P±Ps
CĤP°PSC-C€Pµ C-CÍPSCíCĤC†PëPj PiPsPrPsPIP¶PµPSPSCĬPj C-PSC, PµCĤPIP°P»Cí QT, P°P±Ps
C-PSC€PëPjPë CÍPµCĤC†PµPIPëPjPë P·P°C...PIPScĤCĤPIP°PSPSCĬPjPë (PrPëPi. CĤPsP·PrC-P»Pë
B«PµCĤPsC, PëPiPsPeP°P·P°PSPSCĬB», B«P’P·P°C”PjPsPrC-CĬ P· C-PSC€PëPjPë
P»C-PeP°CĤCÍCĤPëPëPjPë P·P°CÍPsP±P°PjPë C, P° C-PSC€C- PIPëPrPë PIP·P°C”PjPsPrC-PNëB»,
B«PµPsP±C-C†PSC- CĤPµP°PeC†C-C—B», B«PµPµCĤPµPrPsP·CíPIP°PSPSCĬB» C, P°
B«PαP°CĤPjP°PePsPrPëPSP°PjC-PeP°B»).

P PµPePsPjPµPSPPrCíC”C, CĤCÍCĬ P· PsP±PµCĤPµP¶PSC-CÍC, CĤ P·P°CÍC, PsCÍPsPICíPIP°C, Pë
P»C-PeP°CĤCÍCĤPëPëPNë P·P°CÍC-P± PiP°C†C-C”PSC, P°Pj P·C- P·PSP°C†PSPScĤ
P±CĤP°PrPëPeP°CĤPrC-C”CĤ P°P±Ps PiP°C†C-C”PSC, P°Pj C·P· PSPµC%oPsPrP°PIPSPs
PiPµCĤPµPSPµCÍPµPSPëPj PiPsCÍC, CĤPëPj C-PSC,, P°CĤPeC, PsPj PjC-PsPeP°CĤPrP° P°P±Ps
PSPµPePsPjPiPµPSCÍPsPIP°PSPScĤ CÍPµCĤC†PµPIPScĤ PSPµPrPsCÍC, P°C, PSC-CÍC, CĤ.

P·P»PµPeC, CĤPsP»C-C, PSC- CĤPsP·P»P°PrPë, C, P°PeC- CĬPe PiC-PiPsPeP°P»C-C”PjC-CĬ C, P°
PiC-PiPsPjP°PiPSC-C”PjC-CĬ, PiC-PrPIPëC%oCíCĤC, CĤ CĤPëP·PëPe PIPëPSPëPePSPµPSPSCĬ
P·P»PsCĬPeC-CÍPSPëC... P°CĤPëC, PjC-PNë, C- C—C... CÍP»C-Pr PePsCĤPëPiCíPIP°C, Pë PrPs
PiPsC†P°C, PeCí P»C-PeCíPIP°PSPSCĬ PµCÍC†PëC, P°P»PsPiCĤP°PjPsPj.

Pj PiP°C†C-C”PSC, C-PI C·P· P·P°C...PIPScĤCĤPIP°PSPSCĬPjPë CÍPµCĤC†CĬ P·C-
CÍC, P°P±C-P»CĤPSPëPj PiPµCĤPµP±C-PiPsPj PrPs PiPsC†P°C, PeCí P»C-PeCíPIP°PSPSCĬ
CÍP»C-Pr PiPµCĤPµPiP»CĬPSCíC, Pë P·PµP”.

PiPeC%oPs PiC-Pr C†P°CÍ P»C-PeCíPIP°PSPSCĬ PµCÍC†PëC, P°P»PsPiCĤP°PjPsPj
PIPëPSPëPeP°CĤC, CĤ PsP·PSP°PePë CÍPµCĤC†PµPIPSc— P°CĤPëC, PjC-C—, CÍP»C-Pr
PiCĤPëPiPëPSPëC, Pë P»C-PeCíPIP°PSPSCĬ C- P·CĤPsP±PëC, Pë P·PµP”.

P—P°PeCĤPëC, PsPeCżC, PsPIP° PiP»P°CżPePsPjP°. PŸP†P—P—PŸ, Cí C, PsPjCí C†PëCÍP»C-
PµCÍC†PëC, P°P»PsPiCĤP°Pj, PjPsP¶CíC, CĤ PIPiP»PëPIP°C, Pë PSP° CĤPsP·PjC-CĤ P·C-PSPëC†C-,
C%oPs PiCĤPsCĬPIP»CĬC”C, CĤCÍCĬ PjC-PrCĤC-P°P·PsPj. P—C- CÍPIPsiPs P±PsPeCí,
CĤPsP·C€PëCĤPµPSPSCĬ P·C-PSPëC†C- PjPsP¶Pµ P·CíPjPsPIP»CĤPIP°C, Pë P·PICíP¶PµPSPSCĬ
PeCíC, P° PsPeP° C-, CĬPe PSP°CÍP»C-PrPsPe, PiC-PrPIPëC%oCíPIP°C, Pë
PIPSCíC, CĤC-C€PSCĤPsPsC†PSPëPNë C, PëCíPe C, P° PiCĤPsPIPSc†PIP°C, Pë
P·P°PeCĤPëC, PsPeCíC, PsPICí PiP»P°CíPePsPjCí, PsCÍPsP±P»PëPIPs Cí CÍC...PëP»CĤPSPëC...
PrPs C†CĤPsPiPs PiP°C†C-C”PSC, C-PI. PŸPsPjCí PµCÍC†PëC, P°P»PsPiCĤP°Pj CÍP»C-Pr P·
PsP±PµCĤPµP¶PSC-CÍC, CĤ P·P°CÍC, PsCÍPsPICíPIP°C, Pë PiP°C†C-C”PSC, P°Pj C-P·
P·P°PeCĤPëC, PsPeCíC, PsPIPScĤ PiP»P°CíPePsPjPsCĤ P°P±Ps PiP»P°CíPePsPjPsCĤ PI

P°PSP°PjPSPµP·C-.

P°PsPiPsPjC-P¶PSC- C¶PµC±PsPIPëPSPë. P|PµPNë P»C-PeP°C¶C¶C¶PµPëPNë P·P°C¶C-P± PjC-C¶C,PëC,C¶ PjPµPSC€Pµ 1 PjPjPsP»C¶ PSP°C,C¶C-C¶ (23 PjPi), C,PSP±C,PSPiC¶P°PeC,PëC±PSPs PIC-P»C¶PSPëPNë PIC-Pr PSP°C,C¶C-C¶.

P—P°C¶C,PSC¶C¿PIP°PSPSC¶ C¿ P¶PµC¶C-PsPr PIP°PiC-C,PSPsC¶C,C- P°P±Ps PiPsPrC¿PIP°PSPSC¶ PiC¶C¿PrPrC¶.

P°P°PiC-C,PSC-C¶C,C¶. P¶P»C-PSC-C±PSC- PrP°PSC- C%PsPrPs P·P°C¶C,PSC¶C¶PIP°PSPSC¶ PµC¶C¶PëC,P°P»PsPiC¶P°PjC¶ PiC¶Pë P»C-PeC¶PIP°PSPSC- PIP°PiC-C,PSPëC... PsP±PjPµP¶PµPSC-.

P°C-PrPsPjPs, C%Ps PrPsC¶P»C-PrP¶PµPSPSC¶ PSP° C,PIP°C¶PëPSP°C... PiPsPeP°P·P°P»Pë C¶PµPiC¶PsPrC¶PeC,PëPIPSC¶ C,PSPeC¶PëC±PSC-C¶C,C¶.

P»C-PeP°C¶C¶C¶PµPëPNë P·P°C¶C-P± P·C¶C¶PëC,P°Pj^B P¶C¶C-PSPs PiC¶PµC,PëPiPsPeP°P·P°PSPëPNë PIP°PiC-C,PSPëPj, P·P° PIPëPSC¶C,PePsPj PIPëPiP°PrPeC-PI, PePsP»Pë PiC-C¶P»C¶ C¶PµC,PµP»C¶PSPsPiPs C¶PµP·PiP»C¶PrC¶ PIC¶C-C... PSPµPrPsP»C-PeC-PI C- PiPµC¶PµPIP°Pi P±C¶P»P° C±C-C,PePs PrPsPIPµPrPµPSP° PSPµPsP±C...C-PrPSC-C¶C,C¶ PiC¶PëP·PSP°C±PµPSPSC¶ P»C-PeP°C¶C¶C¶PµPëPNë P·P°C¶C±C¶.

P PµPePsPjPµPSPPrC¶C,C,C¶C¶C¶ C¶PµC,PµP»C¶PSPµ PsP±C¶C,PµP¶PµPSPSC¶ PSPsPiPsPSP°C¶PµPrP¶PµPSPëC..., PjP°C,PµC¶C- C¶PePëC... PiC¶PëPNëPjP°P»Pë P»C-PeP°C¶C¶C¶PµPëPNë P·P°C¶C-P± P·C¶C¶PëC,P°Pj^B P¶C¶C-PSPs PiC¶PµC,C¶PiPsPj PIP°PiC-C,PSPsC¶C,C-, PsC¶PsP±P»PëIPs PI P±P±P± C,C¶PëPjPµC¶C,C¶C-. P¶PµPsP±C...C-PrPSPs C¶PSPëPeP°C,Pë C¶P°PiC,PSPiPsPiPs PiC¶PëPiPëPSPµPSPSC¶ P·P°C¶C,PSC¶C¶PIP°PSPSC¶ P»C-PeP°C¶C¶C¶PµPëPNë P·P°C¶C±C¶ C¶ PiPµC¶C-PsPr PIP°PiC-C,PSPsC¶C,C-.

Pj PSPsPiPsPSP°C¶PµPrP¶PµPSPëC..., PjP°C,PµC¶C- C¶PePëC... PiC¶PëPNëPjP°P»Pë P¶P±P—P—P¶/P¶P±P—P—P¶P¶ PSP° PiC-P·PSC-C... C¶C,P°PrC-C¶C... PIP°PiC-C,PSPsC¶C,C-, PjPsP¶P»PëPIPµ PIPëPSPëPePSPµPSPSC¶ C,P°PePëC... C¶PëPjPiC,PsPjC-PI: C¶PµC¶PiC-C¶P°C,PsC¶PSPëPNë PrPëC¶C,C¶PµC¶, C±C-P°PSPsP·, P°PiPSPsPµ, C¶C¶PrPsPjPë, PePsP»PëPIP°PSPSC¶ C,PµPjPiPµC¶P°C,C¶C¶Pë C,C-P»P°, PiC¶PµP±P»PµPjPë PiC-Pr C±P°C¶ PiPsPrC¶PIP°PSPSC¶, P±P»C¶PIP°PSPSC¶, PiC-PiPsPiP»C-PePµPjC-C¶, PiC-PiPµC¶C,PsPSC-C¶ P°P±Ps PiC-PiPsC,PsPSC-C¶, PiC-PiPµC¶C¶PµC,,P»PµPeC¶C-C¶, C,C¶PµPjPsC¶, PSPµC¶PIPµ P·P±C¶PrP¶PµPSPSC¶, PrC¶P°C,C-PIP»PëPIC-C¶C,C¶, P°PiP°C,C-C¶, PiPsC¶C,C-PNëPSPëPNë PiP»P°C±, C¶PsPSP»PëPIC-C¶C,C¶ C- C,C¶C¶PrPSPsC%C- P·C- C¶PSPsPj. P|C- C¶PëPjPiC,PsPjPë PjPsP¶C¶C,C¶ C¶PµP·PIPëPSC¶C,PëC¶C¶ PIPSP°C¶P»C-PrPsPe C¶Pe C¶PµC¶PsC,PsPSC-PSPµC¶PiC-C±PSPëC... PµC,,PµPeC,C-PI, C,P°Pe C- P±C¶C,Pë PsP·PSP°PeP°PjPë C¶PëPSPrC¶PµPjC¶ PIC-PrPjC-PSPë. Pj P±C-P»C¶C¶PsC¶C,C- PIPëPiP°PrPeC-PI PiC¶PµC¶PIPë C¶C¶PeP»P°PrPSPµPSC¶ PIPëPSPëPeP°C¶C,C¶ PsPrC¶P°P·C¶ P°P±Ps C±PµC¶PµP· PSPµP·PSP°C±PSPëPNë C±P°C¶ (< 24 PiPsPrPëPs) PiC-C¶P»C¶ PiPsP»PsPiC-PI.

P·PiC-PrPµPjC-PsP»PsPiC-C±PSC- PrP°PSC- PiPsPeP°P·P°P»Pë, C%Ps P·P°C¶C,PSC¶C¶PIP°PSPSC¶ P¶P±P—P—P¶ PIP°PiC-C,PSPëPj PjPsP¶Pµ PiC-PrPIPëC%C¶PIP°C,Pë C¶PëP·PëPe C¶C,C-PNëPePsC— P»PµPiPµPSPµPiPsC— PiC-PiPµC¶C,PµPSP·C-C— C¶

PSPsPIPsPSP°CḥPsPrP¶PμPSPëC... (PrPs 5 PIPëPïP°PrPeC-PI PSP° 1000 PIP°PiC-C,PSPëC...). PJ P·P°PiP°P»CHḥPSC-PMḥ PïPsPïCfP»CḶC†C-C— PIPëPSPëPeP°C” PIC-Pr 1 PrPs 2 PIPëPïP°PrPeC-PI PSP° 1000 PIP°PiC-C,PSPëC....

PμPμCḥC-PsPr PiPsPrCzPIP°PSPSCḶ PiCḥCzPrPrCḥ. PḥCḶPeC-P»CHḥPePë PμCḶC†PëC,P°P»PsPïCḥP°Pj PïCḥPsPSPëPeP°C” Cr PïCḥCfPrPSPμ PjPsP»PsPePs, PïCḥPsC,CḶPiPsPj P»C-PeCfPIP°PSPSCḶ PSPμ CḥPμPePsPjPμPSPPrCfC”C,CHḥCḶCḶ PiPsPrCfPIP°PSPSCḶ PïCḥCfPrPrCḥ.

P”P°PSC- CḶPïPsCḶC,PμCḥPμP¶PμPSCḥ PIPeP°P·CfCḥC,CHḥ PSP° PïC-PrPIPëC%PμPSPëPNḥ CḥPëP·PëPe (PjPμPSC€ PSC-P¶ Cr 2 CḥP°P·Pë) PïC-CḶP»CḶPiPsP»PsPiPsPIPsC— PeCḥPsPIPsC,PμC†C- PïC-CḶP»CḶ PIPïP»PëPICf PŸP†P—P—PŸ/PŸP†P—P—PŸPḶ PïCḥPsC,CḶPiPsPj PjC-CḶCḶC†CḶ PïC-CḶP»CḶ PSP°CḥPsPrP¶PμPSPSCḶ (PrPëPI. CḥPsP·PrC-P»Pë B«PḥCḶPsP±P»PëPIPsCḶC,C- P·P°CḶC,PSCḶCfPIP°PSPSCḶB» C,P° B«PμPsP±C-C†PSC- CḥPμP°PeC†C-C—B»).

PαPμCḥC,PëP»CHḥPSC-CḶC,CH. P”PμCḶPeC- PŸP†P—P—PŸ PjPsP¶CfC,CHḥ PIPïP»PëPIP°C,Pë PSP° CḶPeC-CḶC,CHḥ CḶPïPμCḥPjPë. PμPsPIC-PrPsPjP»PμPSPSCḶ PïCḥPs P·P°CḶC,PSCḶCfPIP°PSPSCḶ PrPμCḶPePëC... PŸP†P—P—PŸ PïPsPeP°P·P°P»Pë, C%Ps PIPïP»PëPI PSP° CḶPeC-CḶC,CHḥ CḶPïPμCḥPjPë Cr P»CḥPrPëPSPë C” PsP±PsCḥPsC,PSPëPj. P’PïP»PëPI PSP° C,,PμCḥC,PëP»CHḥPSC-CḶC,CHḥ Cr P»CḥPrPëPSPë PrPsCḶC- PSPμ CḶPïPsCḶC,PμCḥC-PiP°PICḶCḶ.

P—PrP°C,PSC-CḶC,CHḥ PIPïP»PëPIP°C,Pë PSP° C€PIPëPrPeC-CḶC,CHḥ CḥPμP°PeC†C-C— PïCḥPë PePμCḥCzPIP°PSPSC- P°PIC,PSC,CḥP°PSCḶPïPsCḥC,PsPj P°P±Ps C-PSC€PëPjPë PjPμC...P°PSC-P·PjP°PjPë.

P—P°PiP°P»PsPj PμCḶC†PëC,P°P»PsPïCḥP°Pj PSPμ PIPïP»PëPIP°C” PSP° C-PSC,PμP»PμPeC,CfP°P»CHḥPSC- C,,CfPSPeC†C-C— P°P±Ps PïCḶPëC...PsPjPsC,PSCḥPSC- CḥPμP°PeC†C-C—, P°P»Pμ CḶP»C-Pr PICḥP°C...PsPICfPIP°C,Pë, C%Ps P±CfPrCḥ-CḶPePëPNḥ PïCḶPëC...PsP°PeC,PëPIPsPëPNḥ P·P°CḶC-P± PjPsP¶Pμ PïPsCḥCfC€CfPIP°C,Pë PSP°PIPëC†PePë P°P±Ps P·PrP°C,PSC-CḶC,CHḥ CḥPsP·CḶCfPrP»PëPIPsPiPs PjPëCḶP»PμPSPSCḶ. PŸP»C-Pr PïPsPïPμCḥPμPrPëC,Pë PïP°C†C-C”PSC,C-PI PïCḥPs PïPsC,PμPSC†C-PMḥPSPëPNḥ CḥPëP·PëPe PIPïP»PëPICf PSP° PePμCḥCfPIP°PSPSCḶ P°PIC,PSC,CḥP°PSCḶPïPsCḥC,PsPj P°P±Ps C-PSC€PëPjPë PjPμC...P°PSC-P·PjP°PjPë.

PŸPïPsCḶC-P± P·P°CḶC,PSCḶCzPIP°PSPSCḶ C,P° PrPsP·Pë.

P’PμP·PïPμPeP° P·P°CḶC,PSCḶCfPIP°PSPSCḶ PrPsP· PïPsPSP°Pr 20 PjPi PSP° PrPsP±Cf PSPμ P±CfP»P° PICḶC,P°PSPsPIP»PμPSP°.

P·CḶC†PëC,P°P»PsPïCḥP°Pj P·P°CḶC,PSCḶPsPICfPIP°C,Pë PrPsCḥPsCḶP»PëPj PIPSCfC,CḥC-C€PSCḥPs 1 CḥP°P· PSP° PrPsP±Cf PSPμP·P°P»PμP¶PSPs PIC-Pr PïCḥPëPNḥPsPjCf C—P¶C-.

P’PμP»PëPePëPNḥ PrPμPïCḥPμCḶPëPIPSPëPNḥ PμPïC-P·PsPr.

P—P°P·PIPëC†P°PNḥ CḶP»C-Pr PïCḥPëP·PSP°C†P°C,Pë 10 PjPi 1 CḥP°P· PSP° PrPsP±Cf. P—P°P»PμP¶PSPs PIC-Pr C-PSPPrPëPIC-PrCfP°P»CHḥPSPsC— C†CfC,P»PëPIPsCḶC,C-

PiP°C†C-C"°PSC,P° PrPsP±PsPICr PrPsP·Cr PjPsP¶PSP° P·P±C-P»CHC€PëC,Pë PrPs PjP°PeC†PëPjP°P»CHPSPsC— Bñ" 20 PjPi.

PñPSC,PëPrPµPìCñPµC†PëPIPSPëPNë PµC,,PµPeC, P·P°P·PIPëC†P°PNë PSP°C†C,P°C" C†PµCñPµP· 2-4 C,PëP¶PSC-. PµC-C†P»C† P·PSPëPePSPµPSPSC† C†PëPjPìC,PsPjC-PI P»C-PeC†PIP°PSPSC† PSPµPsP±C...C-PrPSPs PìCñPsPrPsPIP¶C†PIP°C,Pë PìCñPsC,C†PìPsPj 6 PjC-C†C†C†C-PI P· PjPµC,PsCñ P·PjC-C†PSPµPSPSC† PµC,,PµPeC,C†.

PµP°PSC-C†PSC- CñPsP·P»P°PrPë P· P°PìPsCñP°C,,PsP±C-C"°Cñ P°P±Ps P±PµP· PSPµC—.

PµCñPsC,C†PìPsPj PìPµCñC€PsPìPs C,PëP¶PSC† CñPµPePsPjPµPSPPrC†C"°C,CHC†C†C† PìPsC†P°C,PePsPIP° PrPsP·P° 5 PjPi PSP° PrPsP±C†, PìC-C†P»C† C†PsPìPs PrPsP·Cr PjPsP¶PSP° P·P±C-P»CHC€PëC,Pë PrPs 10 PjPi PSP° PrPsP±C†. P"°PsP·P° PjPsP¶Pµ P±C†C,Pë C† PìPsPrP°P»CHC€PsPjC† P·P±C-P»CHC€PµPSP° PrPs PjP°PeC†PëPjP°P»CHPSPsC— Bñ" 20 PjPi PSP° PrPsP±C† Bñ" P·P°P»PµP¶PSPs PIC-Pr C-PSPPrPëPIC-PrC†P°P»CHPSPsC— C†C†C,P»PëPIPSC†C,C- PìP°C†C-C"°PSC,P°.

PñP°PeC†PëPjP°P»CHPSPëPNë PµC,,PµPeC, PìCñPë P»C-PeC†PIP°PSPSC- PìP°PSC-C†PSPëC... CñPsP·P»P°PrC-PI PrPsC†C†PìP°C"°C,CHC†C†C† C†PµCñPµP· 3 PjC-C†C†C†C-. PÿPµCñPjC-PS P»C-PeC†PIP°PSPSC† C†C,P°PSPsPIPëC,CH PrPµPeC-P»CHPeP° PjC-C†C†C†C-PI C- P·P°P»PµP¶PëC,CH PIC-Pr C,C†P¶PëPsC†C,C- P·P°C...PIPSCñPìP°PSPSC†.

PÿPsC†C-P°P»CHPSC- C,CñPëPIPSP¶PSC- CñPsP·P»P°PrPë (C†PsC†C-P°P»CHPSP° C,,PsP±C-C†).

P—P°P·PIPëC†P°PNë C†P»C-Pr PìCñPëP·PSP°C†P°C,Pë 10 PjPi 1 CñP°P· PSP° PrPsP±C†. PµPsP»PµPìC€PµPSPSC† C†PëPjPìC,PsPjC-PI, C†Pë PìCñP°PIPëP»Ps, PIC-PrP±C†PIP°C"°C,CHC†C†C† C†PµCñPµP· 2-4 C,PëP¶PSC- P»C-PeC†PIP°PSPSC†. P—P°P»PµP¶PSPs PIC-Pr C-PSPPrPëPIC-PrC†P°P»CHPSPsC— CñPµP°PeC†C-C— PìP°C†C-C"°PSC,P° PrPsP·Cr C† PìPsPrP°P»CHC€PsPjC† PjPsP¶PSP° P·PjPµPSC€PëC,Pë PrPs 5 PjPi/PrPsP±C† P°P±Ps PìC-PrPIPëC%PëC,Pë PrPs PjP°PeC†PëPjP°P»CHPSPsC— Bñ" 20 PjPi/PrPsP±C†.

PñC†PeC-P»CHPePë C†PsC†C-P°P»CHPSPëPNë C,CñPëPIPSP¶PSPëPNë CñPsP·P»P°Pr C" P·P°C...PIPSCñPìP°PSPSC†Pj C...CñPsPSC-C†PSPsPìPs PìPµCñPµP±C-PìC†, CñPµPePsPjPµPSPPrC†C"°C,CHC†C†C† PìCñPsPrPsPIP¶PëC,Pë P»C-PeC†PIP°PSPSC† PìCñPsC,C†PìPsPj 12 C,PëP¶PSC-PI PrP»C† P·P°PeCñC-PìP»PµPSPSC† PrPsC†C†PìPSC†C,PsPìPs PµC,,PµPeC,C†.

P"°PìPìPsC,CñPëPIP°P»Pµ P»C-PeC†PIP°PSPSC† PìCñPsC,C†PìPsPj 6 PjC-C†C†C†C-PI PìCñPëP·PSP°C†P°C,Pë P· PjPµC,PsCñ P·P°PìPsP±C-PìP°PSPSC† CñPµC†PëPrPëPIC†, PICñP°C...PsPIC†CñC†Pë C-PSPPrPëPIC-PrC†P°P»CHPSC- PìCñPsC†PìPë P·P°C...PIPSCñPìP°PSPSC†; CñPµPìC†P»C†CñPSPs PsC†C-PSCñCñC,CH PµC,,PµPeC,PëPIPSC-C†C,CH P»C-PeC†PIP°PSPSC†.

PÿPsC†C-P°P»CHPSPëPNë C,CñPëPIPSP¶PSPëPNë CñPsP·P»P°Pr Bñ" C†Pµ C†C-C,PePs PìPëP·PSP°C†PµPSPëPNë PrC-P°PìPSPsC†C,PëC†PSPëPNë C,PµCñPjC-PS PrP»C† PìPsP·PSP°C†PµPSPSC† C†PìPµC†PëC,,C-C†PSPsPìPs CñPsP·P»P°PrC†, C†PëPëPNë PSPµ C†P»C-Pr PìP»C†C,P°C,Pë P· PSP°PrPjC-CñPSPsCñ C†PsCñPsPjBñ" C†P»PëPIC-C†C,Cñ. PñPµPrPëPeP°PjPµPSC,PsP·PSP° C,PµCñP°PìC-C† PìPsPeP°P·P°PSP° P»PëC€Pµ PI C,PsPjC† CñP°P·C-, C†PëC%Ps CñPsP·P»P°Pr P·PSP°C†PSPs P·P°PIP°P¶P°C" PìCñPsC,,PµC†C-PNëPSC-PNë PrC-C†P»CHPSPsC†C,C- C,P° C†PsC†C-P°P»CHPSC-PNë P°PeC,PëPIPSPsC†C,C-.

P—PSP°C‡PμPSPSCİ C,P°PePsPiPs P»C—PeCfPIP°PSPSCİ PİPsCḡC—PIPSCİPSPs P·
PePsPiPSC—C,PëPIPSPs—PİPsPIPμPrC—PSPePsPIPsCḡ C,PμCḡP°PİC—C”Cḡ PSPμ
PsC†C—PSCḡPIP°P»PsCfCİ. PḡPμPrPëPeP°PjPμPSC,PsP·PSP° C,PμCḡP°PİC—Cİ C” PsPrPSC—C”Cḡ
P·C— CfPeP»P°PrPsPIPëC... P·P°PİP°P»CḡPSPsC— CfC,CḡP°C,PμPİC—C— P»C—PeCfPIP°PSPSCİ
PİP°C†C—C”PSC,P°.

P”PμPSPμCḡP°P»C—P·PsPIP°PSC— C,CḡPëPIPsPḡPSC— CḡPsP·P»P°PrPë.

P—P°P·PIPëC‡P°PNḡ CfP»C—Pr PİCḡPëP·PSP°C‡P°C,Pë 10 PjPi 1 CḡP°P· PSP° PrPsP±Cf.
P—P°P»PμPḡPSPs PIC—Pr C—PSPrPëPIC—PrCfP°P»CḡPSPsC— C‡CfC,P»PëPIPsCfC,C— PrPsP·Cf
PjPsPḡPSP° P·P±C—P»CḡCëPëC,Pë PjP°PeCfPëPjCfPj PrPs 20 PjPi PSP° PrPsP±Cf.

P”PsPIPiPsC,CḡPëPIP°P»Pμ P»C—PeCfPIP°PSPSCİ PİCḡPsC,CİPiPsPj 6 PjC—CfCİC†C—PI
PİCḡPëP·PSP°C‡P°C,Pë P· PjPμC,PsCḡ P·P°PİPsP±C—PİP°PSPSCİ CḡPμC†PëPrPëPICf,
PICḡP°C...PsPICfCḡC‡Pë C—PSPrPëPIC—PrCfP°P»CḡPSC— PİCḡPsCİPIPë
P·P°C...PIPsCḡCḡPIP°PSPSCİ; CḡPμPİCfP»CİCḡPSPs PsC†C—PSCḡCḡC,Cḡ
PμC,,PμPeC,PëPIPSC—CfC,Cḡ P»C—PeCfPIP°PSPSCİ.

PḡP±CfPμCfPëPIPSPs—PePsPjPİCžP»CḡCfPëPIPSC— CḡPsP·P»P°PrPë (PḡPḡP).

P—P°P·PIPëC‡P°PNḡ CfP»C—Pr PİCḡPëP·PSP°C‡P°C,Pë 10 PjPi 1 CḡP°P· PSP° PrPsP±Cf.
P—P°P»PμPḡPSPs PIC—Pr C—PSPrPëPIC—PrCfP°P»CḡPSPsC— C‡CfC,P»PëPIPsCfC,C— PrPsP·Cf
PjPsPḡPSP° P·P±C—P»CḡCëPëC,Pë PrPs 20 PjPi PSP° PrPsP±Cf. PḡPḡP ḡḡ“ C...CḡPsPSC—C‡PSPμ
P·P°C...PIPsCḡCḡPIP°PSPSCİ, P»C—PeCfPIP°PSPSCİ PjP°C” C,CḡPëPIP°C,Pë
PrPsCfC,P°C,PSC—PNḡ PİPμCḡC—PsPr PrP»Cİ P·P°P±PμP·PİPμC‡PμPSPSCİ PİPsPIPSPsPiPs
P·PSPëPePSPμPSPSCİ CfPëPjPİC,PsPjC—PI, C%Ps PjPsPḡPμ CfC,P°PSPsPIPëC,Pë PeC—P»CḡPeP°
PjC—CfCİC†C—PI P°P±Ps PSP°PIC—C,Cḡ P±C—P»CḡCëPμ. PḡPsCḡPëCfC,Cḡ
P»C—PeCfPIP°PSPSCİ C,P° PrPsP·Cf P»C—PeP°CḡCfCḡPePsPiPs P·P°CfPsP±Cf
PSPμPsP±C...C—PrPSPs PsC†C—PSCḡPIP°C,Pë C‡PμCḡPμP· CḡPμPİCfP»CİCḡPSC—
PİCḡPsPjC—PḡPePë C‡P°CfCf.

PμP°C†C—C”PSC,Pë P»C—C,PSCHḡPsPiPs PIC—PeCž (PIC—PePsPj PIC—Pr 65 CḡPsPeC—PI).

PμPsC‡P°C,PePsPIP° PrPsP·P° CfC,P°PSPsPIPëC,Cḡ 5 PjPi PSP° PrPsP±Cf. P—P°P»PμPḡPSPs
PIC—Pr C—PSPrPëPIC—PrCfP°P»CḡPSPsC— CḡPμP°PeC†C—C— PİP°C†C—C”PSC,P° PrPsP±PsPICf
PrPsP·Cf PjPsPḡPSP° P·P±C—P»CḡCëPëC,Pë PrPs 10 PjPi PSP° PrPsP±Cf.

P·C,,PμPeC,PëPIPSC—CfC,Cḡ PμCfC†PëC,P°P»PsPİCḡP°PjCf PİCḡPë CfPsC†C—P°P»CḡPSPsPjCf
C,CḡPëPIPsPḡPSPsPjCf CḡPsP·P»P°PrC— Cf PİP°C†C—C”PSC,C—PI P»C—C,PSCHḡPsPiPs PIC—PeCf
PSPμ PsC†C—PSCḡPIP°P»Pë.

PμPμPrC—P°C,CḡPëC‡PSP° PİPsPİCžP»CİC†C—Cİ.

P·CfC†PëC,P°P»PsPİCḡP°Pj PSPμ CfP»C—Pr P·P°CfC,PsCfPsPICfPIP°C,Pë PrP»Cİ
P»C—PeCfPIP°PSPSCİ PrC—C,PμPNḡ C,P° PİC—PrP»C—C,PeC—PI PIC—PePsPj PrPs 18 CḡPsPeC—PI.

PḡPëCḡPePsPIP° PSPμPrPsCfC,P°C,PSC—CfC,Cḡ.

Pj CḡP°P·C— PSP°CİPIPSPsCfC,C— PSPëCḡPePsPIPsC— PSPμPrPsCfC,P°C,PSPsCfC,C—
P»PμPİPePsPiPs C,P° PİPsPjC—CḡPSPsPiPs CfC,CfPİPμPSCİ PSPμPsP±C...C—PrPSPsCfC,C— Cf
PePsCḡPëPİCfPIP°PSPSC— PrPsP·Pë PSPμPjP°C”. P— PsP±PμCḡPμPḡPSC—CfC,Cḡ
PSPμPsP±C...C—PrPSPs P·P°CfC,PsCfPsPICfPIP°C,Pë P»C—PeP°CḡCfCḡPePëPNḡ P·P°CfC—P±
PİP°C†C—C”PSC,P°Pj C—P· C,CİPḡPePsCḡ PSPëCḡPePsPIPsCḡ PSPμPrPsCfC,P°C,PSC—CfC,Cḡ

(PeP»C-CḥPμPSCÍ PeCḥPμP°C,PëPSC-PSCÍ < 30 PjP»/C...PI).

P—PSPëP¶PμPSPSCÍ C,,C¿PSPeC†C-C— PiPμC‡C-PSPePë.

PμP°C†C-C”PSC,P°Pj C-P· PiPsPjC-CḥPSPsCḥ C,P° CÍP»P°P±PePsCḥ PiPμC‡C-PSPePsPIPsCḥ
PSPμPrPsCÍC,P°C,PSC-CÍC,Cḥ CḥPμPePsPjPμPSPPrPsPIP°PSP° PiPsC‡P°C,PePsPIP° PrPsP·P°
PiCḥPSc,CÍPiPsPj PiPμCḥC€PëC... PrPIPsC... C,PëP¶PSC-PI P»C-PeCÍPIP°PSPSCÍ
CÍC,P°PSPsPIPëC,Cḥ 5 PjPi PSP° PrPsP±CÍ. P—P°P»PμP¶PSPs PIC-Pr
C-PSPPrPëPIC-PrCÍP°P»CḥPSPsC— CḥPμP°PeC†C-C— PiP°C†C-C”PSC,P° PrPsP·CÍ PjPsP¶PSP°
P·P±C-P»CḥC€PëC,Pë PrPs 10 PjPi PSP° PrPsP±CÍ. PμCḥPë C,CÍP¶PeC-PNë
PiPμC‡C-PSPePsPIC-PNë PSPμPrPsCÍC,P°C,PSPsCÍC,C- PSPμPsP±C...C-PrPSC-
PsP±PμCḥPμP¶PSC-CÍC,Cḥ CÍ PiCḥPëP·PSP°C‡PμPSPSC- C- CḥPμC,PμP»CḥPSPμ
C,PëC,CḥCÍPIP°PSPSCÍ PrPsP·Pë.

P—PSPëP¶PμPSP° P°PeC,PëPIPSC-CÍC,Cḥ C-P·PsC,,PμCḥPjPμPSC,C¿ CYP2C19.

P”P»CÍ PiP°C†C-C”PSC,C-PI P·C- CÍP»P°P±PePsCḥ P°PeC,PëPIPSC-CÍC,Cḥ
C-P·PsC,,PμCḥPjPμPSC,CÍ CYP2C19 CḥPμPePsPjPμPSPPrPsPIP°PSP° PiPsC‡P°C,PePsPIP° PrPsP·P°
PiCḥPSc,CÍPiPsPj PiPμCḥC€PëC... PrPIPsC... C,PëP¶PSC-PI P»C-PeCÍPIP°PSPSCÍ
CÍC,P°PSPsPIPëC,Cḥ 5 PjPi PSP° PrPsP±CÍ. P—P°P»PμP¶PSPs PIC-Pr
C-PSPPrPëPIC-PrCÍP°P»CḥPSPsC— CḥPμP°PeC†C-C— PiP°C†C-C”PSC,P° PrPsP·CÍ PjPsP¶PSP°
P·P±C-P»CḥC€PëC,Pë PrPs 10 PjPi PSP° PrPsP±CÍ.

PŸPëPjPiC,PsPjPë PIC-PrPjC-PSPë, CÍPeC- P·eḥ™ CÍPIP»CÍCḥC,CḥCÍCÍ PiCḥPë
PiCḥPëPiPëPSPμPSPSC- P»C-PeC¿PIP°PSPSCÍ.

PŸP»C-Pr CÍPSPëPeP°C,Pë CḥC-P·PePsPiPs PiCḥPëPiPëPSPμPSPSCÍ P»C-PeCÍPIP°PSPSCÍ.
PμCḥPë PiCḥPëPiPëPSPμPSPSC- P»C-PeCÍPIP°PSPSCÍ P»C-PeP°CḥCÍCḥPePëPj
P·P°CÍPsP±PsPj P·CÍC†PëC,P°Pj^B PḥCÍC-PSPs PrPsP·CÍ CÍP»C-Pr P·PSPëP¶CÍPIP°C,Pë
PiPsCÍC,CÍPiPsPIPs PiCḥPSc,CÍPiPsPj 1Bḥ“2 C,PëP¶PSC-PI, C%°PsP± CÍPSPëPePSCÍC,Pë
PjPsP¶P»PëPIPëC... CÍPëPjPiC,PsPjC-PI PIC-PrPjC-PSPë (PrPëPI. CḥPsP·PrC-P»Pë
B«PḥCÍPsP±P»PëPIPsCÍC,C- P·P°CÍC,PsCÍCÍPIP°PSPSCÍB» C,P° B«PμPsP±C-C‡PSC-
CḥPμP°PeC†C-C—B»). PiPeC%°Ps PiC-Pr C‡P°CÍ PiPsCÍC,CÍPiPsPIPsPiPs P·PjPμPSC€PμPSPSCÍ
PrPsP·Pë PiPëPSPëPeP°CḥC,Cḥ CÍPëPjPiC,PsPjPë PIC-PrPjC-PSPë, PjPsP¶PSP°
PIC-PrPSPsPIPëC,Pë PiCḥPëPNëPsPj CÍ PiPsPiPμCḥPμPrPSC-PNë PiCḥPëP·PSP°C‡PμPSC-PNë
PrPsP·C-. Pj PiPsPrP°P»CḥC€PsPjCÍ P»C-PeP°Cḥ PjPsP¶Pμ PiCḥPsPrPsPIP¶PëC,Pë
P·PjPμPSC€CÍPIP°C,Pë PrPsP·CÍ, P°P»Pμ P±C-P»CḥC€ PiPsCÍC,CÍPiPsPIPs.

P”C-C,Pë.

PḥPSC,PëPrPμPiCḥPμCÍP°PSC,Pë PSPμ CÍP»C-Pr P·P°CÍC,PsCÍPsPICÍPIP°C,Pë PrP»CÍ
P»C-PeCÍPIP°PSPSCÍ PrC-C,PμPNë C,P° PiC-PrP»C-C,PeC-PI (PIC-PePsPj PrPs 18 CḥPsPeC-PI).
PŸCÍC—C†PëPrP°P»CḥPSP° PiPsPIPμPrC-PSPeP° (CÍCÍC—C†PëPrP°P»CḥPSC- CÍPiCḥPsP±Pë
C,P° CÍCÍC—C†PëPrP°P»CḥPSC- PrCÍPjPePë) C- PIPsCḥPsP¶C-CÍC,Cḥ (PiPμCḥPμPIP°P¶PSPs
P°PiCḥPμCÍC-CÍ, PsPiPsP·PëC†C-PNëPSP° PiPsPIPμPrC-PSPeP° C,P° PiPSC-PI) C‡P°CÍC,C-C€Pμ
CÍPiPsCÍC,PμCḥC-PiP°C”C,CḥCÍCÍ PI C...PsPrC- PeP»C-PSC-C‡PSPëC...
PiPëPiCḥPsP±CÍPIP°PSCḥ CÍ PrC-C,PμPNë C,P° PiC-PrP»C-C,PeC-PI, CÍPeC-
PiCḥPëPNëPjP°CḥC,Cḥ P°PSC,PëPrPμPiCḥPμCÍP°PSC,Pë, PiPsCḥC-PIPSCÍPSPs P· C,PëPjPë,
CÍPeC- PiCḥPëPNëPjP°CḥC,Cḥ PiP»P°C†PμP±Ps. PiPeC%°Ps P· PeP»C-PSC-C‡PSPëC...
PjC-CḥPeCÍPIP°PSCḥ CḥC-C€PμPSPSCÍ PiCḥPs PiCḥPëP·PSP°C‡PμPSPSCÍ

P°PSC, PëPrPµPīCḡPµCġP°PSC, C-PI PICġPµ-C, P°PePë PīCḡPëPNḡPSCġC, Ps, PīPsC, CḡC-P±PSPs
P·P°P±PµP·PīPµC±PëC, Pë CḡPµC, PµP»CHḡPSPµ CġPīPsCġC, PµCḡPµP¶PµPSPSCġ C°PsPrPs
PīPsCġPIPë CġCġC—C†PëPrP°P»CHḡPSPëC... PSP°CġC, CḡPsC—PI Cġ PīP°C†C-C”PSC, P° .B

PµPµCḡPµPrPsP·CáPIP°PSPSCġ.

PŷPsPeCġPëC±PSC-CġC, CH. P”P°PSC- PīCḡPs PīPµCḡPµPrPsP·CġPIP°PSPSCġ
PµCġC†PëC, P°P»PsPīCḡP°PjCġ PsP±PjPµP¶PµPSC-. P’C-P»CHḡCëC-CġC, CH PIPëPīP°PrPeC-PI
CġPīCḡPëC±PëPSPµPSP° PsPrPSPsC±P°CġPSPëPj PīPµCḡPµPrPsP·CġPIP°PSPSCġPj C-PSCëPëPjPë
P»C-PeP°CḡCġCHḡPePëPjPë P·P°CġPsP±P°PjPë. P’ PsCġPSPsPIPSPsPjCġ
CġPīPsCġC, PµCḡC-PiP°P»PëCġCġ P»PµPiPeC- CġPëPjPīC, PsPjPë P°P±Ps
P±PµP·CġPëPjPīC, PsPjPSC-CġC, CH PīPµCḡPµPrPsP·CġPIP°PSPSCġ. PµPsPIC-PrPsPjP»PµPSPSCġ
PīCḡPs P»PµC, P°P»CHḡPSC- PSP°CġP»C-PrPePë PīPµCḡPµPrPsP·CġPIP°PSPSCġ
PµCġC†PëC, P°P»PsPīCḡP°PjCġ C” PIPëPSCġC, PePsPIPëPjPë, P±C-P»CHḡCëC-CġC, CH P·PSPëC...
PIPëP»CHḡC±P°C” PsPrPSPsC±P°CġPSPµ PīPµCḡPµPrPsP·CġPIP°PSPSCġB C-PSCëPëPjPë
P»C-PeP°CḡCġCHḡPePëPjPë P·P°CġPsP±P°PjPë. PµCḡPëPNḡPsPj PrPsP· Cġ PjPµP¶P°C... 400-800
PjPi PµCġC†PëC, P°P»PsPīCḡP°PjCġ PSPµ CġPīCḡPëC±PëPSCġPI P±CġPrCH-CġPePëC...
C, CġP¶PePëC... CġPëPjPīC, PsPjC-PI.

PŷPëPjPīC, PsPjPë. PµPµCḡPµPrPsP·CġPIP°PSPSCġ PµCġC†PëC, P°P»PsPīCḡP°PjCġ
PīCḡPsCġPIP»CġC”C, CHḡCġCġ PīPsP»PsPIPSPëPj C±PëPSPsPj CġPëPjPīC, PsPjP°PjPë P· P±PsPeCġ
C†PµPSC, CḡP°P»CHḡPSPsC— PSPµCḡPIPSPsC— CġPëCġC, PµPjPë (PIC-Pr
P·P°PīP°PjPsCḡPsC±PµPSPSCġ, C, CḡPµPjPsCḡCġ C, P° P°P¶PëC, P°C†C-C— PrPs
CḡC-PrPeC-CġPSPëC... PIPëPīP°PrPeC-PI CġPµCḡPsC, PsPSC-PSPsPīPsPīPs CġPëPSPḡCḡPsPjCġ,
CġCġPrPsPj C- PePsPjPë), CëP»CġPSPePsPīPs-PePëCëPePsPīPsC— CġPëCġC, PµPjPë
(PSCġPrPsC, P°/P±P»CHḡPIP°PSPSCġ), CġPµCḡC†PµPIPSPs-CġCġPrPëPSPSPsC— CġPëCġC, PµPjPë
(P°CḡC, PµCḡC-P°P»CHḡPSP° PīC-PīPsC, PµPSP·C-Cġ, C, P°C...C-PeP°CḡPrC-Cġ,
PīPsPrPsPīP¶PµPSPSCġ C-PSC, PµCḡPIP°P»Cġ QT, P°CḡPëC, PjC-Cġ) C, P°
PīPsCḡCġCëPµPSPSCġPj PµP»PµPeC, CḡPsP»C-C, PSPsPīPs P±P°P»P°PSCġCġ
(PīC-PīPsPeP°P»C-C”PjC-Cġ, PīC-PīPsPSP°C, CḡC-C”PjC-Cġ).

P>C-PeCáPIP°PSPSCġ. PŷPīPµC†PëC,, C-C±PSPsPīPs P°PSC, PëPrPsC, Cġ PSPµ C-CġPSCġC”.
PŷP»C-Pr PīC-PrC, CḡPëPjCġPIP°C, Pë PSP°P»PµP¶PSPµ C,, CġPSPeC†C-PsPSCġPIP°PSPSCġ
PrPëC...P°P»CHḡPSPsC— CġPëCġC, PµPjPë, P·P°P±PµP·PīPµC±PëC, Pë P°PrPµPePIP°C, PSCġ
PsPeCġPëPīPµPSP°C†C-Cḡ. PḡPsP¶P»PëPIPµ P·P°CġC, PsCġCġPIP°PSPSCġ
PīP°CġC, CḡP°P»CHḡPSPsPīPs P»P°PIP°P¶Cġ C, P° P°PeC, PëPIPSPsPīPs PICġPīC-P»P»Cġ.
P PµPePsPjPµPSPḡCġC, CHḡCġCġ PjPsPSC-C, PsCḡPëPSPi CġPµCḡC†PµPIPëC... C, P°
P¶PëC, C, C”PīPs PIP°P¶P»PëPIPëC... C,, CġPSPeC†C-PNḡ CḡP°P·PsPj C-P·
CġPëPjPīC, PsPjP°C, PëC±PSPëPj PīC-PrC, CḡPëPjCġCḡC±PëPj P»C-PeCġPIP°PSPSCġPj.

Pj CḡP°P·C- PīPµCḡPµPrPsP·CġPIP°PSPSCġ CḡPµPePsPjPµPSPḡCġC, CHḡCġCġ P·PḡP”-
PjPsPSC-C, PsCḡPëPSPi Cġ PīP°C†C-C”PSC, C-PI C-P· P·P°CġC, C-PNḡPSPsCḡ CġPµCḡC†PµPIPSPsCḡ
PSPµPrPsCġC, P°C, PSC-CġC, CH/P±CḡP°PrPëP°CḡPëC, PjC-C”Cḡ, Cġ PīP°C†C-C”PSC, C-PI,
CġPeC- PsPrPSPsC±P°CġPSPs PīCḡPëPNḡPjP°CḡC, CH P»C-PeP°CḡCġCHḡPeC- P·P°CġPsP±Pë,
CġPeC- PīPsPrPsPīP¶CġCḡC, CH C-PSC, PµCḡPIP°P» QT, P°P±Ps Cġ PīP°C†C-C”PSC, C-PI C-P·
PīPsCḡCġCëPµPSPSCġPj PjPµC, P°P±PsP»C-P·PjCġ, PSP°PīCḡPëPeP»P°Pr, PīCḡPë
PīPµC±C-PSPePsPIC-PNḡ PSPµPrPsCġC, P°C, PSPsCġC, C-.

PμPsP±C-C±PSC- CḡPμP°PeC†C-C—.

PμPsP±C-C±PSC- CḡPμP°PeC†C-C— PSP°PNεC±P°C†C,C-CεPμ
C†PīPsC†C,PμCḡC-PiP°CḡC,CHC†C†C PīCḡPsC,C†PīPsPj PīPμCḡCεPsPīPs P°P±Ps
PrCḡC†PīPsPīPs C,PëP¶PSC† P»C-PeC†PIP°PSPSC†, C,P° P·P°P·PIPëC±P°PNε C—C...
C±P°C†C,PsC,P° C,P° C-PSC,PμPSC†PëPIPSC-C†C,CH PīPsC†C,C†PīPsPIP
P·PjPμPSCεC†CḡC,CHC†C†C PīCḡPë PīPsPrP°P»CHCεPsPjC† P»C-PeC†PIP°PSPSC-.

PμPsP±C-C±PSC- CḡPμP°PeC†C-C—, C...P°CḡP°PeC,PμCḡPSC- PrP»C† PIC†C-C...
P»C-PeP°CḡC†CHPePëC... P·P°C†PsP±C-PI PeP»P°C†C† PŸP†P—P—PŸ C,P°
PμC†C†PëC,P°P»PsPīCḡP°PjC†, C†PeC- C†PīPsC†C,PμCḡC-PiP°P»PëC†CH C†
PīP»P°C†PμP±Ps-PePsPSC,CḡPsP»CHPsPIP°PSPëC... PrPsC†P»C-PrP¶PμPSPSC†C... C,P°
PīCḡPë PjPμPrPëC±PSPsPjC† P·P°C†C,PsC†C†PIP°PSPSC-, P·P°P·PSP°C±PμPSC- P·P°
C†PëC†C,PμPjP°PjPë PsCḡPīP°PSC-PI C- C±P°C†C,PsC,PsCḡ: PrC†P¶Pμ C±P°C†C,C- (≥
1/10), C±P°C†C,C- (≥ 1/100 PrPs < 1/10), PSPμC±P°C†C,C- (≥ 1/1000 PrPs < 1/100),
CḡC-PrPeC-C†PSC- (≥ 1/10000 PrPs < 1/1000), PrC†P¶Pμ CḡC-PrPeC-C†PSC- (<
1/10000) P°P±Ps C±P°C†C,PsC,P° PSPμPIC-PrPsPjP° (PSPμPjPsP¶P»PëPIP
PIC†C,P°PSPsPIPëC,Pë P·P° PSP°C†PIPSPëPjPë PrP°PSPëPjPë).

P— P±PsPeCž PeCḡPsPIPsPSPsC†PSPsC— C,P° P»C-PjC„P°C,PëC±PSPsC— C†PëC†C,PμPjPë:
C±P°C†C,PsC,P° PSPμPIC-PrPsPjP° вḡ“ C,CḡPsPjP±PsC†PëC,PsPīPμPSC-C†.

P— P±PsPeCž C-PjCžPSPSPsC— C†PëC†C,PμPjPë: CḡC-PrPeC-C†PSC- вḡ“
P°PSP°C„C-P»P°PeC,PëC±PSC- CḡPμP°PeC†C-C—.

P— P±PsPeCž PμPSPPrPsPeCḡPëPSPSPsC— C†PëC†C,PμPjPë: C±P°C†C,PsC,P° PSPμPIC-PrPsPjP°
вḡ“ PīPsCḡC†CεPμPSPSC† C†PμPeCḡPμC†C-C— P°PSC,PëPrC-C†CḡPμC,PëC±PSPsPīPs
PīPsCḡPjPsPSC†, PiC-PīPμCḡPīCḡPsP»P°PeC,PëPSPμPjC-C†.

P— P±PsPeCž PjPμC,P°P±PsP»C-P·PjCž C,P° PsP±PjC-PSCž CḡPμC±PsPIPëPS: C±P°C†C,C- вḡ“
P·PSPëP¶PμPSPSC† P°P±Ps PīPsC†PëP»PμPSPSC† P°PīPμC,PëC,C†, P·P±C-P»CHCεPμPSPSC†
PjP°C†Pë C,C-P»P°; PSPμC±P°C†C,C- вḡ“ P·PjPμPSCεPμPSPSC† PjP°C†Pë C,C-P»P°;
C±P°C†C,PsC,P° PSPμPIC-PrPsPjP° вḡ“ PiC-PīPsPSP°C,CḡC-C”PjC-C†, P°PSPsCḡPμPeC†C-C†².

P— P±PsPeCž PīC†PëC...C-PePë: C±P°C†C,C- вḡ“ C,CḡPëPIPSP¶PSC-C†C,CH,
PSPμC†PīPsPeC-PNε, P°PSPsPjP°P»CHPSC- C†PSPë, P·PSPëP¶PμPSPSC† P»C-P±C-PrPs C†
C±PsP»PsPIC-PeC-PI C- P¶C-PSPsPe, P°PSPsCḡPīP°P·PjC-C† C† P¶C-PSPsPe; PSPμC±P°C†C,C-
вḡ“ C†PeCḡPμPīPsC,C-PSPSC† P·C†P±P°PjPë, P·P±C†PrP¶PμPSPSC†,
PSPμCḡPIPSP·PSC-C†C,CH, PīP°PSC-C±PSC- PSP°PīP°PrPë, C†PīP»C†C,P°PSC-C†C,CH
C†PIC-PrPsPjPsC†C,C-; CḡC-PrPeC-C†PSC- вḡ“ P°PiCḡPμC†C-C†,
PrPμPīPμCḡC†PsPSP°P»C-P·P°C†C-C†, PiP°P»CḡC†PëPSP°C†C-C—; C±P°C†C,PsC,P°
PSPμPIC-PrPsPjP° вḡ“ PjP°PSC-C†, C†C†C—C†PëPrP°P»CHPSC- PrC†PjPePë,
C†C†C—C†PëPrP°P»CHPSP° PīPsPIPμPrC-PSPeP°¹.

P— P±PsPeCž PSPμCḡPIPsPIPsC— C†PëC†C,PμPjPë: PrC†P¶Pμ C±P°C†C,C- вḡ“
PīPsP»PsPIPSPëPNε P±C-P»CH; C±P°C†C,C- вḡ“ P±PμP·C†PsPSPSC†, C†PsPSP»PëPIC-C†C,CH,
P·P°PīP°PjPsCḡPsC±PμPSPSC†, PīP°CḡPμC†C,PμP·C-C†, C,CḡPμPjPsCḡ; PSPμC±P°C†C,C- вḡ“
PīPsCḡC†CεPμPSPSC† C†PjP°PeC†, PīPsCḡC†CεPμPSPSC† C†PSC†,
PSPμPīCḡPëC,PsPjPSC-C†C,CH; CḡC-PrPeC-C†PSC- вḡ“ C†PμCḡPsC,PsPSC-PSPsPIPëPNε
C†PëPSPrCḡPsPj; C±P°C†C,PsC,P° PSPμPIC-PrPsPjP° вḡ“ PrPëC†PeC-PSPμP·C-C†,
CḡC†C...PsPIC- CḡPsP·P»P°PrPë, C†C†PrPsPjPë, PīC†PëC...PsPjPsC,PsCḡPSPëPNε

PSPμCÍPīPsPeC-PN₂/P°PeP°C, PēP·C-CI².

P— P±PsPeCž PsC₇PiP°PSC-PI P·PsC₇Cž: PSPμC±P°CÍC,C- в₇“ C₇PsP·CēPēC₇PμPSPSC₇ P·C-PSPēC†C-, P·P°C, CíPjP°PSPμPSPSC₇ P·PsC₇Cí.

P— P±PsPeCž PsC₇PiP°PSC-PI CÍP»CžC...Cž: PSPμC±P°CÍC,C- в₇“ PrP·PIC-PS Cí PICíC...P°C....

P— P±PsPeCž CÍPμC₇C†C₇: PSPμC±P°CÍC,C- в₇“ C,P°C...C-PeP°C₇PrC-C₇; C₇C-PrPeC-CÍPSC- в₇“ P±C₇P°PrPēPeP°C₇PrC-C₇; C±P°CÍC,PsC,P° PSPμPIC-PrPsPjP° в₇“ PīPsPrPsPIP¹PμPSPSC₇ C-PSC,PμC₇PIP°P»Cí QT PSP° PμP»PμPeC,C₇PsPeP°C₇PrC-PsPiC₇P°PjC-, CēP»CíPSPsC±PePsPIP° P°C₇PēC,PjC-C₇, PIPeP»C₇C±P°C₇C±Pē torsade de pointes.

P— P±PsPeCž CÍCžPrPēPSPSPSC— CÍPēCÍC,PμPjPē: C±P°CÍC,PsC,P° PSPμPIC-PrPsPjP° в₇“ PsC₇C,PsCÍC,P°C,PēC±PSP° PiC-PīPsC,PμPSP·C-C₇.

P PμCÍPīC-C₇P°C,PsC₇PSC- C₇PsP·P»P°PrPē: C±P°CÍC,C- в₇“ CÍPēPSCíCÍPēC,Pē, PīPsP·C-C...P°PSPSC₇; PSPμC±P°CÍC,C- в₇“ PSPsCÍPsPIP° PeC₇PsPIPsC,PμC±P°.

P— P±PsPeCž CēP»CžPSPePsPIPs-PePēCēPePsPIPsPiPs C,C₇P°PeC,Cž: PrCíP¹Pμ C±P°CÍC,C- в₇“ PSCíPrPsC,P°; C±P°CÍC,C- в₇“ PrC-P°C₇PμC₇, P·P°PīPsC₇, P±P»C₇PIP°PSPSC₇, CÍCíC...C-CÍC,C₇ Cí C₇PsC,C-; PSPμC±P°CÍC,C- в₇“ CēP»CíPSPePsPIPs-PePēCēPePsPIC-PeC₇PsPIPsC,PμC±C- (Cí C., C±. C₇PμPeC,P°P»C₇PSC-).

P— P±PsPeCž PīPμC±C-PSPePē C,P° P¹PsPIC±PsPIPēPIC-PrPSPēC... CēP»C₇C...C-PI: C±P°CÍC,PsC,P° PSPμPIC-PrPsPjP° в₇“ PiPμPīP°C,PēC,, P·PjC-PSPē C,,CíPSPeC†C-PsPSP°P»C₇PSPēC... PīPμC±C-PSPePsPIPēC... C,PμCÍC,C-PI.

P— P±PsPeCž CēPeC-C₇Pē C,P° PiC-PrCēPeC-C₇PSPSC— PeP»C-C,PePsPIPēPSPē: C±P°CÍC,C- в₇“ PīPsCÍPēP»PμPSPμ PīPsC,PsPIPēPrC-P»PμPSPSC₇; PSPμC±P°CÍC,C- в₇“ PIPēCÍPēPīPē, PsP±P»PēCÍC-PSPSC₇, PeC₇PsPīPēPīBTMC₇IPSPeP°, CÍPIPμC₇P±C-P¹; C±P°CÍC,PsC,P° PSPμPIC-PrPsPjP° в₇“ CÍPēPSC†C-, PSP°P±C₇C₇IPePē.

PŸPePμP»PμC,PSPs-Pj¹™ C₇IP·PsPIC- PīPsC₇CžCēPμPSPSC₇: C±P°CÍC,C- в₇“ P°C₇C,C₇P°P»PiC-C₇, PjC-P°P»PiC-C₇.

P— P±PsPeCž PSPēC₇PsPe C,P° CÍPμC±PsPIPēPIC-PrPSPēC... CēP»C₇C...C-PI: C±P°CÍC,PsC,P° PSPμPIC-PrPsPjP° в₇“ P·P°C,C₇PēPjPeP° CÍPμC±PsPIPēPīCíCÍPeP°PSPSC₇.

P— P±PsPeCž C₇PμPīC₇PsPrCžPeC,PēPIPSPSC— CÍPēCÍC,PμPjPē C,P° PjPsP»PsC±PSPēC... P·P°P»PsP·: C±P°CÍC,C- в₇“ Cí C±PsP»PsPIC-PeC-PI: C₇PsP·P»P°PrPē PμC₇IPeCíP»C₇C†C-C-, C-PjPīPsC,PμPSC†C-C₇; PSPμC±P°CÍC,C- в₇“ Cí P¹C-PSPsPe: PjPμC,C₇PsC₇P°PiC-C₇, PjPμPSPsC₇P°PiC-C₇; C±P°CÍC,PsC,P° PSPμPIC-PrPsPjP° в₇“ PiP°P»P°PeC,PsC₇PμC₇, PīC-CÍP»C₇IPīPsP»PsPiPsPIP° PeC₇PsPIPsC,PμC±P°³, Cí C±PsP»PsPIC-PeC-PI в₇“ PīC₇C-P°PīC-P·Pj.

P— P°PiP°P»C₇PSC- C₇PsP·P»P°PrPē: C±P°CÍC,C- в₇“ PIC,PsPjP°, PiC-C₇PμPeCÍC-C₇; PSPμC±P°CÍC,C- в₇“ PSP°P±C₇C₇IPe.

¹ PμC₇Ps PIPēPīP°PrPePē CÍCíC—C†PēPrP°P»C₇PSPēC... PrCíPjPsPe C,P° PīPsPIPμPrC-PSPePē PīPsPIC-PrPsPjP°»C₇IP»Pē PīC₇PsC,C₇IPiPsPj P»C-PeCíPIP°PSPSC₇ PμCÍC†PēC,P°P»PsPīC₇P°PjPsPj P°P±Ps PSPμP·P°P±P°C₇PsPj PīC-CÍP»C₇IP N₂PsPiPs PīC₇PēPīPēPSPμPSPSC₇.

² PŸP°PeC- PIPēPīP°PrPePē PIC-PrPsPjC- PrP»C₇IP P·P°CÍPsP±C-PI CíCÍC₇PsPiPs PeP»P°CÍCí

PŸP†P—P—PŸ.

³ PµCŤPs C,P°PeC- PIPëPïP°PrPePë PïPsPIC-PrPsPjP»CŤP»Pë PrP»CŤ
C,PµCŤP°PïPµPIC,PëC†PSPsPiPs PeP»P°CŤCŤ PŸP†P—P—PŸ P°P±Ps PŸP†P—P—PŸPĸ (PrPëPI.
CŤPsP·PrC-P»Pë B«PhCŤPsP±P»PëPIPsCŤC,C- P·P°CŤC,PsCŤCŤPIP°PSPSCŤB»,
B«P—P°CŤC,PsCŤCŤPIP°PSPSCŤ CŤ PïPµCŤC-PsPr PIP°PiC-C,PSPsCŤC,C- P°P±Ps
PiPsPrCŤPIP°PSPSCŤ PiCŤCŤPrPrCŤB»).

PµPsPrPsPIP¶PµPSPSCŤ C-PSC,PµCŤPIP°P»CŤ QT. Pj
PiC-CŤP»CŤCŤPµC”CŤC,CŤP°C†C-PNëPSPsPjCŤ PïPµCŤC-PsPrC- PïPsPIC-PrPsPjP»CŤP»Pë
PiCŤPs PIPëPïP°PrPePë PïPsPrPsPIP¶PµPSPSCŤ C-PSC,PµCŤPIP°P»CŤ QT C,P°
C€P»CŤPSPsC†PePsPIPsC— P°CŤPëC,PjC-C—, CŤ C,PsPjCŤ C†PëCŤP»C-
PïPsP»C-PjPsCŤC,,PSPsC— C€P»CŤPSPsC†PePsPIPsC— C,P°C...C-PeP°CŤPrC-C— (*torsade de*
pointes), PïPµCŤPµPIP°P¶PSPs CŤ P¶C-PSPsPe, CŤ PïP°C†C-C”PSC,C-PI P·
PiC-PïPsPeP°P»C-C”PjC-C”CŤ C,P° CŤ PïP°C†C-C”PSC,C-PI P· CŤP°PSC-C€Pµ
C-CŤPSCŤCŤPëPj PïPsPrPsPIP¶PµPSPëPj C-PSC,PµCŤPIP°P»PsPj QT P°P±Ps C-PSC€PëPj
P·P°C...PIPsCŤCŤPIP°PSPSCŤPj CŤPµCŤC†CŤ (PrPëPI. CŤPsP·PrC-P»Pë
B«PµCŤPsC,PëPïPsPeP°P·P°PSPSCŤB», B«PhCŤPsP±P»PëPIPsCŤC,C-
P·P°CŤC,PsCŤCŤPIP°PSPSCŤB», B«P’P·P°C”PjPsPrC-CŤ P· C-PSC€PëPjPë
P»C-PeP°CŤCŤCŤPePëPjPë P·P°CŤPsP±P°PjPë C,P° C-PSC€C- PIPëPrPë PIP·P°C”PjPsPrC-PNëB»,
B«PµPµCŤPµPrPsP·CŤPIP°PSPSCŤB» C,P° B«PαP°CŤPjP°PePsPrPëPSP°PjC-PeP°B»).

PµP»P°CŤ-CŤPïPµC†PëC,,C-C†PSC- PµC,,PµPeC,Pë. PµPsPIC-PrPsPjP»CŤP»Pë, C°Ps
PµPiC-PrPµPjC-PsP»PsPiC-C†PSC- PrPsCŤP»C-PrP¶PµPSPSCŤ, PïPµCŤPµPIP°P¶PSPs CŤ
PïP°C†C-C”PSC,C-PI PIC-PePsPj PIC-Pr 50 CŤPsPeC-PI, PiCŤPsPrPµPjPsPSCŤC,CŤCŤPIP°P»Pë
PiC-PrPIPëC°PµPSPëPNë CŤPëP·PëPe PïPµCŤPµP»PsPjC-PI PeC-CŤC,PsPe PiCŤPë
P·P°CŤC,PsCŤCŤPIP°PSPSC- PŸP†P—P—PŸ, PIPeP»CŤC†P°CŤC†Pë PµCŤC†PëC,P°P»PsPiCŤP°Pj,
C,P° C,CŤPëC†PëPeP»C-C†PSPëC... P°PSC,PëPrPµPiCŤPµCŤP°PSC,C-PI. PµPµC...P°PSC-P·Pj
C†CŤPsPiPs CŤPIPëC°P° PSPµPIC-PrPsPjPëPNë.

PŸPëPjPiC,PsPjPë PIC-PrPjC-PSPë. PµCŤPëPïPëPSPµPSPSCŤ P»C-PeCŤPIP°PSPSCŤ PŸP†P—P—PŸ
(PsCŤPsP±P»PëPIPs CŤP°PiC,PsPIPµ) P·P°P·PIPëC†P°PNë PiCŤPëP·PIPsPrPëC,CŤ PrPs
CŤPëPjPiC,PsPjC-PI PIC-PrPjC-PSPë. P—P°PïP°PjPsCŤPsC†PµPSPSCŤ, CŤPµPSCŤPsCŤPSC-
CŤPsP·P»P°PrPë (CŤ C,. C†. PïP°CŤPµCŤC,PµP·C-CŤ C,P° PIC-PrC†CŤC,C,CŤ CŤPrP°CŤCŤ
CŤC,CŤCŤPjPsPj), CŤPsP·P»P°PrPë CŤPSCŤ (CŤ C,. C†. P±PµP·CŤPsPSPSCŤ C,P°
CŤCŤPëCŤP°PIC- CŤPSPsPIPëPrC-PSPSCŤ), P·P±CŤPrP¶PµPSPSCŤ P°P±Ps
C,CŤPëPIPsP¶PSC-CŤC,CŤ, PSCŤPrPsC,P° C,P°/P°P±Ps P±P»CŤPIP°PSPSCŤ, C,CŤPµPjPsCŤ,
CŤPïP»CŤC,P°PSC-CŤC,CŤ CŤPIC-PrPsPjPsCŤC,C-, PiC-PrPIPëC°PµPSPµ
PïPsC,PsPIPëPrC-P»PµPSPSCŤ, PiPsP»PsPIPSPëPNë P±C-P»CŤ, PrC-P°CŤPµCŤ,
PïPsCŤPëP»PµPSPµ CŤPµCŤC†PµP±PëC,C,CŤ, PµPjPsC†C-PNëPSP°
PSPµCŤC,P°P±C-P»CŤPSC-CŤC,CŤ, PrCŤP°C,C-PIP»PëPIC-CŤC,CŤ C- PïPsCŤCŤC€PµPSPSCŤ
P·PsCŤCŤCŤ PSP°PNëC†P°CŤC,C-C€PëPjPë CŤPµP°PeC†C-CŤPjPë. P—P°P·PIPëC†P°PNë C†C-
CŤPëPjPiC,PsPjPë C” P»PµPiPePëPjPë P°P±Ps CŤPµCŤPµPrPSC-PjPë P·P° C,CŤP¶PeC-CŤC,CŤ
C,P° PjPëPSCŤC°PëPjPë, PsPrPSP°Pe CŤ PrPµCŤPëC... PïP°C†C-C”PSC,C-PI PjPsP¶CŤC,CŤ
P±CŤC,Pë C,CŤP¶PePëPjPë C,P°/P°P±Ps C,CŤPëPIP°P»PëPjPë. PŸP°PePëPj C†PëPSPsPj,
CŤPµPePsPjPµPSPPrCŤC”C,CŤCŤCŤ PïPsCŤC,CŤPïPsPIPµ PiCŤPëPïPëPSPµPSPSCŤ
P»C-PeCŤPIP°PSPSCŤ PµCŤC†PëC,P°P»PsPiCŤP°PjPsPj C€P»CŤC...PsPj P·PSPëP¶PµPSPSCŤ
PrPsP·Pë (PrPëPI. CŤPsP·PrC-P»Pë B«PŸPïPsCŤC-P± P·P°CŤC,PsCŤCŤPIP°PSPSCŤ C,P°
PrPsP·PëB», B«PhCŤPsP±P»PëPIPsCŤC,C- P·P°CŤC,PsCŤCŤPIP°PSPSCŤB»).

РиPsPIC-PrPsPjP»PμPSPSCЦ ПiCтjPs ПiC-PrPsP·CтjCтjPIP°PSC- ПiPsP±C-C±PSC-
CтjPμP°PeC†C-C—.

РиPsPIC-PrPsPjP»PμPSPSCЦ ПiCтjPs ПiPsP±C-C±PSC- CтjPμP°PeC†C-C— ПiC-Cl†P»CЦ
CтjPμC”Cl†C,CтjP°C†C-C— P»C-PeP°CтjCl†CтjPePsPiPs P·P°Cl†PsP±C† PjP°C” PIP°P¶P»PëPIPμ
P·PSP°C±PμPSPSCЦ. P†Pμ PrP°C” P·PjPsPiC† ПiCтjPsPIPsPrPëC,Pë PjPsPSC-C,PsCтjPëPSPi
Cl†PiC-PIPIC-PrPSPSc€PμPSPSCЦ PePsCтjPëCl†C,Cтj/CтjPëP·PëPe ПiCтjPë
P·P°Cl†C,PsCl†C†PIP°PSPSC- C†CтjPsPiPs P»C-PeP°CтjCl†CтjPePsPiPs P·P°Cl†PsP±C†.
PтPμPrPëC±PSPëPj C,P° C,,P°CтjPjP°C†PμPIC,PëC±PSPëPj ПiCтjP°C†C-PIPSPëPeP°Pj, P°
C,P°PePsP¶ ПiP°C†C-C”PSC,P°Pj P°P±Ps C—C... P·P°PePsPSPSPëPj ПiCтjPμPrCl†C,P°PIPSPëPeP°Pj
Cl†P»C-Pr ПiPsPIC-PrPsPjP»CЦC,Pë ПiCтjPs Cl†Cl†C- PIPëPiP°PrPëPë ПiC-PrPsP·CтjCтjPIP°PSPëC...
ПiPsP±C-C±PSPëC... CтjPμP°PeC†C-PNë C,P° PIC-PrCl†C†C,PSPSc†C,C-
PμC,,PμPeC,PëPIPSPSc†C,C- P»C-PeP°CтjCl†CтjPePsPiPs P·P°Cl†PsP±C† C±PμCтjPμP·
PтPIC,PsPjP°C,PëP·PsPIP°PSC† C-PSC,,PsCтjPjP°C†C-PNëPSC† Cl†PëCl†C,PμPjC† P·
C,,P°CтjPjP°PePsPSP°PiP»CЦPrC† P·P° ПiPsCl†PëP»P°PSPSCЦPj: <https://aisf.dec.gov.ua>.

РjPμCтjPjC-PS ПiCтjPëPrP°C,PSPSc†C,C-. 3 CтjPsPePë.

PIPjPsPIPë P·P±PμCтjC-PiP°PSPSCЦ. P—P±PμCтjC-PiP°C,Pë Cl† PSPμPrPsCl†C,C†PiPSPsPjC†
PrP»CЦ PrC-C,PμPNë PjC-Cl†C†C- PI PsCтjPëPiC-PSP°P»CтjPSC-PNë Cl†PiP°PePsPIC†C- ПiCтjPë
C,PμPjPiPμCтjP°C,Cl†CтjC- PSPμ PIPëC‰Pμ 25 B°PŸ.

PIP°PePsPIPeP°. РиPs 10 C,P°P±P»PμC,PsPe Cl† P±P»C-Cl†C,PμCтjC-; ПiPs 1 P°P±Ps 3, P°P±Ps
6 P±P»C-Cl†C,PμCтjC-PI Cl† PeP°CтjC,PsPSPSC-PNë ПiP°C†C†C-.

РлP°C,PμPiPsCтjC-CЦ PIC-PrPiC†Cl†PeC†. P—P° CтjPμC†PμPiC,PsPj.

Р’PëCтjPsP±PSPëPe. PŸPтP’ B«PαP°CтjPjP° PŸC,P°CтjC,B», PjPeCтjP°C—PSP°.

**РтC-Cl†C†PμP·PSP°C...PsPrP¶PμPSPSCЦ PIPëCтjPsP±PSPëPeP° C,P° P°PrCтjPμCl†P°
PjC-Cl†C†CЦ ПiCтjPsPIP°PrP¶PμPSPSCЦ PNëPsPiPs PrC-CЦP»CтjPSPSc†C,C-.**

PjPeCтjP°C—PSP°, 03124, Pj. РлPëC—PI, P±C†P»CтjPIP°Cтj P’P°C†P»P°PIP° P”P°PIPμP»P°, 8.