

P†PќPŸPŸP PЈPљP!P†Pİ

**PrP»Cİ PjPµPrPëC‡PSPsPiPs P·P°CÍC,PsCÍCíPIP°PSPSCİ P»C-PeP°CĤCÍCHPePsPiPs
P·P°CÍPs±Cí**

PћPќP”PђPђP

(ONDAAR)

PŸPeP»P°Pr:

PrC-CHC‡P° CĤPµC‡PsPIPëPSP°: PsPSPrP°PSCÍPµC,CĤPsPS;

1 C,P°P±P»PµC,PeP°, C%Ps PrPëCÍPİPµCĤPiCíC”C,CHCÍCİ PI CĤPsC,PsPIC-PNë
PİPsCĤPsP¶PSPëPSC-, PjC-CÍC,PëC,CH PsPSPrP°PSCÍPµC,CĤPsPSCí 4 PjPi P°P±Ps 8 PjPi;

PrPsPiPsPjC-P¶PSC- CĤPµC‡PsPIPëPSPë:

C,P°P±P»PµC,PePë PİPs 4 PjPi: PjP°PSC-C, (P• 421), PeCĤPsCÍPİPsPIC-PrPsPS, PİPsPIC-PrPsPS,
C†PµP»CHP»PsP·P° PjC-PeCĤPsPeCĤPëCÍC,P°P»C-C‡PSP° CÍPëP»C-PePsPSC-P·PsPIP°PSP°,
PSP°C,CĤC-CH PeCĤPsC...PjP°P»CHPiP»C-PePsP»CİC, (C,PëPİ Pђ), P°CÍPİP°CĤC,P°Pj (P• 951),
P°CĤPsPjP°C,PëP·P°C,PsCĤ B«P»PëPjPsPSB», P°CĤPsPjP°C,PëP·P°C,PsCĤ B«PђBĤ™ CİC,P°B»,
C...C-PSPsP»C-PSPsPIPëPNë P¶PsPIC,PëPNë P»P°Pe (P• 104), PeCĤPµPjPSC-CH PrC-PsPeCÍPëPr
PePsP»PsC—PrPSPëPNë P±PµP·PIPsPrPSPëPNë, PSP°C,CĤC-CH CÍC,PµP°CĤPëP»C„CíPjP°CĤP°C,,
PjP°PiPSC-CH CÍC,PµP°CĤP°C,;

C,P°P±P»PµC,PePë PİPs 8 PjPi: PjP°PSC-C, (P• 421), PeCĤPsCÍPİPsPIC-PrPsPS, PİPsPIC-PrPsPS,
C†PµP»CHP»PsP·P° PjC-PeCĤPsPeCĤPëCÍC,P°P»C-C‡PSP° CÍPëP»C-PePsPSC-P·PsPIP°PSP°,
PSP°C,CĤC-CH PeCĤPsC...PjP°P»CHPiP»C-PePsP»CİC, (C,PëPİ Pђ), P°CÍPİP°CĤC,P°Pj (P• 951),
P°CĤPsPjP°C,PëP·P°C,PsCĤ B«P»PëPjPsPSB», P°CĤPsPjP°C,PëP·P°C,PsCĤ B«PђBĤ™ CİC,P°B»,
P¶PsPIC,PëPNë P·P°C...C-Pr FCF P»P°Pe (E 110), PeCĤPµPjPSC-CH PrC-PsPeCÍPëPr
PePsP»PsC—PrPSPëPNë P±PµP·PIPsPrPSPëPNë, PSP°C,CĤC-CH CÍC,PµP°CĤPëP»C„CíPjP°CĤP°C,,
PjP°PiPSC-CH CÍC,PµP°CĤP°C,.

P»C-PeP°CĤCÍCHPeP° C„PsCĤPjP°. PŸP°P±P»PµC,PePë, C%Ps
PrPëCÍPİPµCĤPiCíCHC,CHCÍCİ PI CĤPsC,PsPIC-PNë PİPsCĤPsP¶PSPëPSC-.

PћCÍPSPsPIpsc- C„C-P·PëPePs-C...C-PjC-C‡PSC- PIP»P°CÍC,PëPIPsCÍC,C-:

C,P°P±P»PµC,PePë PİPs 4 PjPi: PeCĤCíPİP»C- PrPIPsPsPİCíPeP»C- C,P°P±P»PµC,PePë
P¶PsPIC,PsPiPs PePsP»CHPsCĤCí C-P· PIPeCĤP°PİP»PµPSPSCİPjPë, PİP»P°PrPµPSCHPeC- P·
PsP±PsC... P±PsPeC-PI;

C,P°P±P»PµC,PePë PİPs 8 PjPi: PeCĤCíPİP»C- PrPIPsPsPİCíPeP»C- C,P°P±P»PµC,PePë
CÍPIC-C,P»Ps-PsCĤP°PSP¶PµPIPsPiPs PePsP»CHPsCĤCí C-P· PIPeCĤP°PİP»PµPSPSCİPjPë,

PiP»P°PrPµPSCbPeC- P· PsP±PsC... P±PsPeC-PI.

PαP°CḡPjP°PePsC,PµCḡP°PīPµPIC,PëC‡PSP° PiCḡCíPīP°.

PµCḡPsC,PëP±P»CḡPIPsC,PSC- P·P°CíPsP±Pë C,P° PīCḡPµPīP°CḡP°C,Pë, C%Ps
CíCíCíPIP°CḡC,Cḡ PSCíPrPsC,Cí. PḡPSC,P°PiPsPSC-CíC,Pë CḡPµC†PµPīC,PSCḡC-PI
CíPµCḡPsC,PsPSC-PSCí (5PḡPḡ₃). PḡPsPr PḡPḡPí Pḡ04Pḡ Pḡ01.

PαP°CḡPjP°PePsP»PsPiC-C‡PSC- PIP»P°CíC,PëPIPsCíC,C-.

PαP°CḡPjP°PePsPrPëPSP°PjC-PeP°.

PḡPµC...P°PSC-P·Pj PrC-C—

PḡPSPPrP°PSCíPµC,CḡPsPS bḡ“ CíPëP»CḡPSPsPrC-CḡC‡PëPNḡ
PIPëCíPsPePsCíPµP»PµPeC,PëPIPsPëPNḡ P°PSC,P°PiPsPSC-CíC, 5PḡPḡ₃
(CíPµCḡPsC,PsPSC-PSPsPIPëC...) CḡPµC†PµPīC,PSCḡC-PI. PµCḡPµPīP°CḡP°C,
PīPsPīPµCḡPµPrP°CíC” P°P±Ps CíCíCíPIP°C” PSCíPrPsC,Cí C- P±P»CḡPIP°PSPSCí, C%Ps
CíPīCḡPëC‡PëPSCíCḡC,CḡCíCí C†PëC,PsC,PsPeCíPëC‡PSPsCḡ
C...C-PjC-PsC,PµCḡP°PīC-C”Cḡ C,P°/P°P±Ps PīCḡPsPjPµPSPµPIPsCḡ C,PµCḡP°PīC-C”Cḡ, P°
C,P°PePsP° PīC-CíP»CíPsPīPµCḡP°C†C-PNḡPSC- PSCíPrPsC,Cí C- P±P»CḡPIP°PSPSCí.
PḡPµC...P°PSC-P·Pj PrC-C— PsPSPPrP°PSCíPµC,CḡPsPSCí PrPs PeC-PSC†Cí PSPµ
P·bḡ™ CíCíCíPsPIP°PSPëPNḡ. PḡPsP°P»PëPIPs, PīCḡPµPīP°CḡP°C, P±P»PsPeCíC”
PIPëPSPëPePSPµPSPSCí P±P»CḡPIPsC,PSPsPiPs CḡPµC,,P»PµPeCíCí, PIPëCíPIP»CíCḡC‡Pë
P°PSC,P°PiPsPSC-CíC,PëC‡PSCí PrC-Cḡ C%PsPrPs 5PḡPḡ₃-CḡPµC†PµPīC,PSCḡC-PI, CíPeC-
P»PsPeP°P»C-P·CíCḡC,CḡCíCí Cí PSPµPNḡCḡPsPSP°C... CíPe PīPµCḡPëC,,PµCḡPëC‡PSPsC—,
C,P°Pe C- C†PµPSC,CḡP°P»CḡPSPsC— PSPµCḡPIPsPIPsC— CíPëCíC,PµPjPë. PµCḡPµPīP°CḡP°C,
PSPµ P·PjPµPSC€CíC” PīCíPëC...PsPjPsC,PsCḡPSPsC— P°PeC,PëPIPsPSCíC,C- PīP°C†C-C”PSC,P°
C- PSPµ PIPëCíPIP»CíC” CíPµPrP°C,PëPIPsPSPiPs PµC,,PµPeC,Cí.

PḡPsC‡PSPëPNḡ PjPµC...P°PSC-P·Pj PePsPSC,CḡPsP»Cḡ PSCíPrPsC,Pë C- P±P»CḡPIP°PSPSCí
PSPµPIC-PrPsPjPëPNḡ. PíC-PjC-PsC,PµCḡP°PīPµPIC,PëC‡PSC- P·P°CíPsP±Pë C-
PīCḡPsPjPµPSPµPIP° C,PµCḡP°PīC-Cí PjPsP°CíC,Cḡ PIPëPeP»PëPeP°C,Pë
PIPëPIC-P»CḡPSPµPSPSCí 5HT Cí C,PsPSPePsPjCí PePëC€PµC‡PSPëPeCí,
CíC,PëPjCíP»CḡCḡC‡Pë P±P»CḡPIPsC,PSPëPNḡ CḡPµC,,P»PµPeCíC €P»CíC...PsPj
P°PeC,PëPIP°C†C-C— PIP°PīP°P»CḡPSPëC... P°C,,PµCḡPµPSC,PSPëC... PSPµCḡPIC-PI
C‡PµCḡPµP· CḡPµC†PµPīC,PSCḡPë 5HT3. PḡPSPPrP°PSCíPµC,CḡPsPS P±P»PsPeCíC”
CíC,PëPjCíP»CḡPIP°PSPSCí C†CḡPsPiPs CḡPµC,,P»PµPeCíCí. PḡPeC,PëPIP°C†C-Cí
P±P»CíPeP°CḡC‡PëC... P°C,,PµCḡPµPSC,PSPëC... PSPµCḡPIC-PI PjPsP°Pµ C,P°PePsP°
PIPëPeP»PëPeP°C,Pë PIPëPIC-P»CḡPSPµPSPSCí 5HT Cí PrC-P»CíPSC†C-, C%Ps
CḡPsP·C,P°C€PsPIP°PSP° PSP° PrPSC- C†PµC,PIPµCḡC,PsPiPs C€P»CíPSPsC‡PeP° (area
postxema), C- C†Pµ C,P°PePsP° PjPsP°Pµ CíPīCḡPëC‡PëPSPëC,Pë P±P»CḡPIP°PSPSCí
C‡PµCḡPµP· C†PµPSC,CḡP°P»CḡPSPëPNḡ PjPµC...P°PSC-P·Pj. PḡP°PePëPj C‡PëPSPsPj, PIPīP»PëPI
PsPSPPrP°PSCíPµC,CḡPsPSCí PSP° PSCíPrPsC,Cí C,P° P±P»CḡPIP°PSPSCí,
PIPëPeP»PëPeP°PSC- C†PëC,PsC,PsPeCíPëC‡PSPsCḡ C...C-PjC-PsC,PµCḡP°PīC-C”Cḡ C,P°
PīCḡPsPjPµPSPµPIPsCḡ C,PµCḡP°PīC-C”Cḡ, PNḡPjPsPIC-CḡPSPs, PīPsCíCíPSCḡC”C,CḡCíCí
P°PSC,P°PiPsPSC-P·PjPsPj 5PḡPḡ₃-CḡPµC†PµPīC,PSCḡC-PI PSP° PSPµPNḡCḡPsPSP°C...,
CḡPsP·C,P°C€PsPIP°PSPëC... CíPe Cí PīPµCḡPëC,,PµCḡPëC‡PSC-PNḡ, C,P°Pe C- PI

C†PμPSC, CḡP°P»CHBPSC- PNē PSPμCḡPIPSPIC- PNē CḡPēCḡC, PμPjC-. PḡPμC...P°PSC-P·Pj PrC-C—
PīCḡPē PīC-CḡP»CḡPSPiPμCḡP°C†C- PNēPSC- PNē PSCḡPrPsC, C- C- P±P»CḡPIP°PSPSC-
PSPμPIC-PrPsPjPēPNē, PīCḡPsC, Pμ PjPμC...P°PSC-P·Pj PrC-C— PjPsPḡPμ P±CḡC, Pē
CḡC...PsPḡPēPj PSP° C, PsPNē, C%oPs CḡPīPsCḡC, PμCḡC-PiP°C”C, CHCḡCḡ PīCḡPē PSCḡPrPsC, C-
C, P° P±P»CḡPIP°PSPSC-, PIPēPeP»PēPeP°PSPēC... C†PēC, PsC, PsPeCḡPēC†PSPSCḡ
C, PμCḡP°PīC-C”Cḡ.

PḡPSPPrP°PSCḡPμC, CḡPsPS PSPμ P·PjC-PSCḡC” PePsPSC†PμPSC, CḡP°C†C-Cḡ
PīCḡPsP»P°PeC, PēPSCḡ Pī PīP»P°P·PjC- PeCḡPsPIC-.

P PsP»CH PsPSPPrP°PSCḡPμC, CḡPsPSCḡ PīCḡPē PSCḡPrPsC, C- C, P° P±P»CḡPIP°PSPSC-,
CḡPīCḡPēC†PēPSPμPSPēC... PrC-C”Cḡ PsPīC-P°C, C-PI, PrPsC, PμPīPμCḡ PSPμ
PICḡC, P°PSPsPIP»PμPSP°.

PḡP°CḡPjP°PePsPeC-PSPμC, PēPeP°.

PμC-CḡP»Cḡ PīPμCḡPsCḡP°P»CHBPSPsPiPs P·P°CḡC, PsCḡCḡPIP°PSPSCḡ
PsPSPPrP°PSCḡPμC, CḡPsPSCḡ PICḡPjPsPeC, CḡPIP°PSPSCḡ PIC-PrP±CḡPIP°C”C, CHCḡCḡ
CēPIPēPrPePs, PjC-PSC-PjP°P»CHBPSP° PīP»P°P·PjPsPIP° PePsPSC†PμPSC, CḡP°C†C-Cḡ Bḡ”
PīCḡPēP±P»PēP·PSPs 30 PSPi/PjP» Bḡ” PrPsCḡCḡPiP°C”C, CHCḡCḡ PīCḡPēP±P»PēP·PSPs
C†PμCḡPμP· 1,5 PiPsPrPēPSPē PīC-CḡP»Cḡ PIPiPμPrPμPSPSCḡ PrPsP·Pē 8 PjPi. PŸPēCḡPsPī C-
C, P°P±P»PμC, PePē P±C-PsPμPePIC-PIP°P»PμPSC, PSC- C, P° PjP°CḡC, CH P°P±CḡPsP»CḡC, PSCḡ
PīPμCḡPsCḡP°P»CHBPSCḡ P±C-PsPrPsCḡC, CḡPīPSC-CḡC, CH 60 %. P PsP·PīPsPrC-P»
PsPSPPrP°PSCḡPμC, CḡPsPSCḡ PīC-CḡP»Cḡ PīPμCḡPsCḡP°P»CHBPSPsPiPs,
PIPSCḡC, CḡC-CēPSCḡPsPIPμPSPSPsPiPs C- PIPSCḡC, CḡC-CēPSCḡPsPjBḡ™ CḡP·PsPIPSPiPs
P·P°CḡC, PsCḡCḡPIP°PSPSCḡ C” PsPrPSP°PePsPIPēPj, CḡPe C- PīPμCḡC-PsPr
PSP°PīC-PIPIPēPIPμPrPμPSPSCḡ, CḡPePēPNē CḡC, P°PSPsPIPēC, CH PīCḡPēP±P»PēP·PSPs 3
PiPsPrPēPSPē, CḡC, P°C†C-PsPSP°CḡPSPēPNē PsP±Bḡ™ C”Pj CḡPsP·PīPsPrC-P»Cḡ Bḡ”
PīCḡPēP±P»PēP·PSPs 140 P». PḡPSPPrP°PSCḡPμC, CḡPsPS PSPμ P·PjBḡ™ CḡP·CḡC”C, CHCḡCḡ P·
P±C-P»PeP°PjPē PīP»P°P·PjPē PeCḡPsPIC- (70Bḡ”76 %) C- PIPēPIPSPPrPēC, CHCḡCḡ P·C-
CḡPēCḡC, PμPjPSPsPiPs PeCḡPsPIPSPsP±C-PiCḡ PīPμCḡPμPIP°PḡPSPs CēP»CḡC...PsPj
PīPμC†C-PSPePsPIPSPiPs PjPμC, P°P±PsP»C-P·PjCḡ P·P° CḡC†P°CḡC, Cḡ
C,, PμCḡPjPμPSC, P°C, PēPIC-PI. PḡPμPSCēPμ 5 % PIC-Pr PīPsPiP»PēPSPμPSPSC— PrPsP·Pē
PIPēPIPSPPrPēC, CHCḡCḡ Cḡ PSPμP·PjC-PSPμPSPsPjCḡ PIPēPiP»CḡPrC- P·C- CḡPμC†PμCḡ.
PμCḡPē PIC-PrCḡCḡC, PSPsCḡC, C- C,, PμCḡPjPμPSC, Cḡ CYP2D6
(PrPμP±CḡPēP·PsC...C-PSPsPIPēPNē PīPsP»C-PjPsCḡC,, C-P·Pj) PSC-CḡPePēC... P·PjC-PS Cḡ
C,, P°CḡPjP°PePsPeC-PSPμC, PēC†C- PsPSPPrP°PSCḡPμC, CḡPsPSCḡ PSPμ
CḡPīPsCḡC, PμCḡC-PiP°C”C, CHCḡCḡ. PḡP°CḡPjP°PePsPeC-PSPμC, PēC†PSC-
PIP»P°CḡC, PēPIPSPḡC, C- PsPSPPrP°PSCḡPμC, CḡPsPSCḡ PSPμ P·PjC-PSCḡCḡC, CHCḡCḡ PīCḡPē
PīPsPIC, PsCḡPSPsPjCḡ P·P°CḡC, PsCḡCḡPIP°PSPSC-.

PḡCḡPsP±P»PēPIC- PīCḡCḡPīPē PīP°C†C-C”PSC, C-PI:

PŸC, P°C, CH

PḡPSPPrP°PSCḡPμC, CḡPsPS PīPs-CḡC-P·PSPsPjCḡ PIPiP»PēPIP°C” PSP° C†PsP»PsPIC-PeC-PI C, P°
PḡC-PSPsPe, PīCḡPēC†PsPjCḡ Cḡ PḡC-PSPsPe CḡPīPsCḡC, PμCḡC-PiP°C”C, CHCḡCḡ
P±C-P»CHCēP° CēPIPēPrPeC-CḡC, CH C- CḡC, CḡPīC-PSCḡ P°P±CḡPsCḡP±C†C-C—
PīC-CḡP»Cḡ PīPμCḡPsCḡP°P»CHBPSPsPiPs P·P°CḡC, PsCḡCḡPIP°PSPSCḡ, CḡPēCḡC, PμPjPSPēPNē
PeP»C-CḡPμPSCḡ C- PsP±CḡCḡPi CḡPsP·PīPsPrC-P»Cḡ P· CḡCḡP°C...CḡPIP°PSPSCḡPj PjP°CḡPē
C, C-P»P° P·PSPēPḡPμPSC-.

P''C-C,Pë C,P° PïC-PrP»C-C,PePë (PIC-PePsPj PIC-Pr 1 PjC-Cl'ClC†ClI PrPs 17 CËPsPeC-PI)

PJ PïPµPrC-P°C,CËPëC‡PSPëC... PïC-Cl'P»ClIPsPïPµCËP°C†C-PNëPSPëC... PïP°C†C-C''PSC,C-PI
PIC-PePsPj PIC-Pr 1 PrPs 4 PjC-Cl'ClC†C-PI (n=19) PeP»C-CËPµPSCÍ P±C†PI
PïCËPëP±P»PëP·PSPs PSP° 30 % PïPsPIC-P»CHbPSC-CëPëPNë, PSC-P¶ C† PïP°C†C-C''PSC,C-PI
PIC-PePsPj PIC-Pr 5 PrPs 24 PjC-Cl'ClC†C-PI (n=22), P°P»Pµ PrPsCËC-PIPSCHPIP°PI
PeP»C-CËPµPSCÍC† C† PïP°C†C-C''PSC,C-PI PIC-PePsPj PIC-Pr 3 PrPs 12 CËPsPeC-PI.
PµPµCËC-PsPr PSP°PïC-PIPIPëPIPµPrPµPSPSCÍ C† PïP°C†C-C''PSC,C-PI PIC-PePsPj PIC-Pr 1
PrPs 4 PjC-Cl'ClC†C-PI Cl'C,P°PSPsPIPëC,CH C† Cl'PµCËPµPrPSCbPsPjC† 6,7 PïPsPrPëPSPë
PïPsCËC-PIPSCHPIPSs P· 2,9 PïPsPrPëPSPë C† PïP°C†C-C''PSC,C-PI PIC-PePsPj PIC-Pr 5 PrPs 24
PjC-Cl'ClC†C-PI C- PIC-PePsPj PIC-Pr 3 PrPs 12 CËPsPeC-PI. P'C-PrPjC-PSPSPsCl'C,C- C†
C,,P°CËPjP°PePsPeC-PSPµC,PëC‡PSPëC... PïP°CËP°PjPµC,CËP°C... C† PïP°C†C-C''PSC,C-PI
PIC-PePsPj PIC-Pr 1 PrPs 4 PjC-Cl'ClC†C-PI C‡P°C†C,PePsPIPs PïPsClCÍPSCbCHC,CHCÍClI
PIPëC%PëPj PIC-PrCl'PsC,PePsPj P·P°PïP°P»CHbPSPsC— PeC-P»CHbPePsCl'C,C- PIPsPrPë C†
PSPsPIPsPSP°CËPsPrP¶PµPSPëC... C,P° PSPµPjPsPIP»ClIC, C- P±C-P»CHCëPëPj
PsP±bË™ C''PjPsPj CËPsP·PïPsPrC-P»C† PIPsPrPsCËPsP·C‡PëPSPSPëC...
P»C-PeP°CËCl'CHbPePëC... P·P°C†PsP±C-PI, C,P°PePëC... ClIPe PsPSPrP°PSCÍPµC,CËPsPS. PJ
PïPµPrC-P°C,CËPëC‡PSPëC... PïP°C†C-C''PSC,C-PI PIC-PePsPj PIC-Pr 3 PrPs 12 CËPsPeC-PI,
ClIPeC- PïCËPsPNëCëP»Pë PïP»P°PSPsPIC† PsPïPµCËP°C†C-CH C-P· P·P°PïP°P»CHbPSPsCH
P°PSPµCl'C,PµP·C-C''CH, P°P±Cl'PsP»CHC,PSC- P·PSP°C‡PµPSPSCÍ ClIPe PeP»C-CËPµPSCÍC†,
C,P°Pe C- PsP±bË™ C''PjC† CËPsP·PïPsPrC-P»C† PsPSPrP°PSCÍPµC,CËPsPSC†
P·PjPµPSCëC†PIP°P»PëCl'ClI PïPsCËC-PIPSCHPIPSs P·C- P·PSP°C‡PµPSPSCÍPjPë C†
PrPsCËPsCl'P»PëC... PïP°C†C-C''PSC,C-PI. PhP±PëPrPIP° PïP°CËP°PjPµC,CËPë
P·CËPsCl'C,P°P»Pë P»C-PSC-PNëPSPs P·C- P·P±C-P»CHCëPµPSPSCÍPj PjP°C†Pë C,C-P»P° C-
PrPs 12 CËPsPeC-PI, P·PSP°C‡PµPSPSCÍ PSP°P±P»PëP¶P°P»PëCl'ClI PrPs P·PSP°C‡PµPSCb
PjPsP»PsPrPëC... PrPsCËPsCl'P»PëC.... PµPsP»Pë P·PSP°C‡PµPSPSCÍ PeP»C-CËPµPSCÍC† C-
PsP±bË™ C''PjC† CËPsP·PïPsPrC-P»C† PSPsCËPjP°P»C-P·C†PIP°P»PëCl'ClI P·P° PjP°C†PsCH
C,C-P»P°, P·PSP°C‡PµPSPSCÍ C†PëC... PïP°CËP°PjPµC,CËC-PI P±C†P»Pë PsPrPSP°PePsPIPëPjPë
C† CËC-P·PSPëC... PIC-PePsPIPëC... PïCËC†PïP°C.... P—P°C†C,PsCl'C†PIP°PSPSCÍ
PïCËPµPïP°CËP°C,C† PIC-PrPïPsPIC-PrPSPs PrPs PjP°C†Pë C,C-P»P° PePsPjPïPµPSCÍC†C''
PIC-PePsPIC- P·PjC-PSPë C- C'' PµC,,PµPeC,PëPIPSPëPj PïCËPë PSPsCËPjP°P»C-P·P°C†C-C—
Cl'PëCl'C,PµPjPSPsPiPs PIPïP»PëPIC† C† PrC-C,PµPNë. PµPsPïC†P»ClIC†C-PNëPSPëPNë
C,,P°CËPjP°PePsPeC-PSPµC,PëC‡PSPëPNë P°PSP°P»C-P· PïCËPsPIPsPrPëP»Pë C†
PrPsP±CËPsPIPsP»CHC†C-PI (PsPSPePsP»PsPiC-C‡PSPëC... C...PIPsCËPëC...,
C...C-CËC†CËPiC-C‡PSPëC... PïP°C†C-C''PSC,C-PI C- P·PrPsCËPsPIPëC...
PrPsP±CËPsPIPsP»CHC†C-PI) PIC-PePsPj PIC-Pr 1 PjC-Cl'ClC†ClI PrPs 44 CËPsPeC-PI
PïC-Cl'P»ClI PIPSC†C,CËC-CëPSCbPsPIPµPSPSPsPiPs PIPIPµPrPµPSPSCÍ
PsPSPrP°PSCÍPµC,CËPsPSC†. P—P° CËPµP·C†P»CHC,P°C,P°PjPë P°PSP°P»C-P·C†,
Cl'PëCl'C,PµPjPSPëPNë PIPïP»PëPI (AUC) PsPSPrP°PSCÍPµC,CËPsPSC† PïC-Cl'P»ClI
PïPµCËPsCËP°P»CHbPSPsPiPs P°P±Ps PIPSC†C,CËC-CëPSCbPsPIPµPSPSPsPiPs
P·P°C†C,PsCl'C†PIP°PSPSCÍ C† PrC-C,PµPNë C,P° PïC-PrP»C-C,PeC-PI P±C†PI
PïPsCËC-PIPSCHPIPSPSPëPNë P· C,P°PePëPj C† PrPsCËPsCl'P»PëC..., P·P° PIPëPSCÍC,PePsPj
PrC-C,PµPNë PIC-PePsPj PIC-Pr 1 PrPs 4 PjC-Cl'ClC†C-PI. PhP±bË™ C''Pj CËPsP·PïPsPrC-P»C†
P·P°P»PµP¶P°PI PIC-Pr PIC-PeC† C- P±C†PI PSPëP¶C‡PëPj C† PrPsCËPsCl'P»PëC..., PSC-P¶ C†
PSPµPjPsPIP»ClIC, C- PrC-C,PµPNë. P'PëPIPµPrPµPSPSCÍ P±C†P»Ps PïPsPIbË™ ClI·P°PSPs P·
PjP°C†PsCH C,C-P»P°, P° PSPµ P· PIC-PePsPj, P·P° PIPëPSCÍC,PePsPj PrC-C,PµPNë PIC-PePsPj
PIC-Pr 1 PrPs 4 PjC-Cl'ClC†C-PI. P'P°P¶PePs P·CËPsP±PëC,Pë PIPëCl'PSPsPIPsPe, C‡Pë
C-Cl'PSC†PIP°P»Ps PrPsPrP°C,PePsPIPµ P·PSPëP¶PµPSPSCÍ PeP»C-CËPµPSCÍC†,
PïPsPIbË™ ClI·P°PSPµ P· PIC-PePsPj C† PrC-C,PµPNë PIC-PePsPj PIC-Pr 1 PrPs 4
PjC-Cl'ClC†C-PI, C‡Pë C†Pµ P±C†P»Pë PïCËPëCËPsPrPSC- PIC-PrPjC-PSPSPsCl'C,C-
C‡PµCËPµP· PSPëP·CHbPeC† PeC-P»CHbPeC-Cl'C,CH PrPsCl'P»C-PrP¶C†PIP°PSPëC... C† C†C-PNë

PIC-PePsPIC-PN₆ PiC₇Cr₇PiC-. PhC₇PeC-P»CH₇PePë P₇P°C†C-C”PSC,Pë PIC-PePsPj PrPs 6
PjC-C₇Cl₇C†C-PI PsC,C₇PëPjCr₇ChC,CH₇ C,C-P»CH₇PePë PsPrPSC₇ PrPsP·Cr₇ PiC₇Pë
PIPëPSPëPePSP₇PSPSC- PiC-C₇P»C₇IPsPiP₇μC₇P°C†C-PN₆PSPëC... PSC₇PrPsC,Pë C,P°
P±P»C₇PIP°PSPSC₇, PN₆PjPsPIC-C₇PSPs, P·PSPëP₇μPSPSC₇ PeP»C-C₇P₇μPSC₇Cr₇ PSP₇
P±Cr₇PrP₇ PjP°C,Pë PeP»C-PSC-C†PSPsPiPs P·PSP°C†P₇μPSPSC₇.

P₇μP°C†C-C”PSC,Pë P»C-C,PSC₇PsPiPs PIC-PeC₇

P—P°PiP°P»PsPj PSP₇ P±Cr₇P»Ps PIPëC₇PIP»P₇μPSPs PIC-PrPjC-PSPSPsC₇Cr₇,P₇μPN₆ C%₇PsPrPs
P±P₇μP·PiP₇μPePë C,P° P₇μC,,P₇μPeC,PëPIPSPsC₇Cr₇,C- P·P°C₇Cr₇PIP°PSPSC₇
PsPSPPrP°PSC₇P₇μC,C₇PsPSC₇ PjPsP»PsPrPëPj PsPSPePsP»PsPiC-C†PSPëPj C...PIP₇C₇PëPj C-
PsPSPePsP»PsPiC-C†PSPëPj C...PIP₇C₇PëPj P»C-C,PSC₇PsPiPs PIC-PeCr₇, C,PsPjCr₇ PSP₇PjP°C”
PsC₇PsP±P»PëPIPëC... C₇P₇μPePsPjP₇μPSPPrP°C†C-PN₆ C%₇PsPrPs PrPsP·Cr₇PIP°PSPSC₇ PrP»C₇
C...PIP₇C₇PëC... P»C-C,PSC₇PsPiPs PIC-PeCr₇.

Pj P₇P°C†C-C”PSC,C-PI PIC-PePsPj PIC-Pr 75 C₇PsPeC-PI PsC†C-PeCr₇C”C,CH₇C₇Cl₇
P±C-P»CH₇CëPëPN₆ PIPiP»PëPI PsPSPPrP°PSC₇P₇μC,C₇PsPSC₇ PSP° C-PSC,P₇μC₇PIP°P» QtcF,
P₇PsC₇Cr₇-PIPSC₇IPSPs P· PjPsP»PsPrPëPjPë.

P₇μPsC₇Cr₇CëP₇μPSPSC₇ C,,C₇zPSPeC†C-C— PSPëC₇PsPe

Pj P₇P°C†C-C”PSC,C-PI C-P· P₇PsC₇Cr₇CëP₇μPSPSC₇IPjPë C,,Cr₇PSPeC†C-C— PSPëC₇PsPe
(PeP»C-C₇P₇μPSC₇ PeC₇P₇μP°C,PëPSC-PSC₇ 15b₇”60 PjP»/C...PI) C₇PëC₇Cr₇,P₇μPjPSPëPN₆
PeP»C-C₇P₇μPSC₇ C- PsP±b₇™ C”Pj C₇PsP·P₇PsPrC-P»Cr₇ P·PSPëP₇Cr₇ChC,CH₇C₇Cl₇, C%₇Ps
C₇PiC₇PëC†PëPSC₇Cr₇” P₇PsPjC-C₇PSP₇μ, P°P»P₇μ PeP»C-PSC-C†PSPs PSP₇μP·PSP°C†PSP₇μ,
P·P±C-P»CH₇CëP₇μPSPSC₇ PiP₇μC₇Cr₇-PsPrCr₇ PSP°PiC-PIPIPëPIP₇μPrP₇μPSPSC₇ (5,4 PiPsPrPëPSPë).
P”PsC₇Cr₇P»C-PrP₇μPSPSC₇ Cr₇ P₇P°C†C-C”PSC,C-PI P· C,C₇IP₇μPePsCh PSPëC₇PePsPIP₇Ch
PSP₇μPrPsC₇Cr₇,P°C,PSC-C₇Cr₇,Ch, C₇IPeC- PiPsC,C₇P₇μP±Cr₇PIP°P»Pë C₇P₇μPiC₇Cr₇P»C₇IP₇μPSPsPiPs
PiP₇μPjPsPrC-P°P»C-P·Cr₇, P₇PsPeP°P·P°P»Ps, C%₇Ps C,,P°C₇PjP°PePsPeC-PSP₇μC,PëPeP°
PsPSPPrP°PSC₇P₇μC,C₇PsPSC₇ PiC₇P°PeC,PëC†PSPs PSP₇μ P·PjC-PSC₇Cr₇C,CH₇C₇Cl₇.

P₇μPsC₇Cr₇CëP₇μPSPSC₇ C,,C₇zPSPeC†C-C— PiP₇μC†C-PSPePë

Pj P₇P°C†C-C”PSC,C-PI P· C,C₇IP₇μPePsCh PiP₇μC†C-PSPePsPIP₇Ch
PSP₇μPrPsC₇Cr₇,P°C,PSC-C₇Cr₇,Ch C₇PëC₇Cr₇,P₇μPjPSPëPN₆ PeP»C-C₇P₇μPSC₇ PiPsPjC-C,PSPs
P·PSPëP₇Cr₇C”C,CH₇C₇Cl₇ P· C,C₇PëPIP°P»PëPj PiP₇μC₇Cr₇-PsPrPsPj
PSP°PiC-PIPIPëPIP₇μPrP₇μPSPSC₇ (15b₇”32 PiPsPrPëPSPë), P° PiP₇μC₇PsC₇P°P»CH₇PSP°
P±C-PsPrPsC₇Cr₇,Cr₇PiPSC-C₇Cr₇,Ch PSP°P±P»PëP₇μP°C”C,CH₇C₇Cl₇ PrPs 100 % C†P₇μC₇P₇μP·
P·PjP₇μPSCëP₇μPSPSC₇ PiP₇μC₇P₇μPrC₇PëC₇Cr₇,P₇μPjPSPsPiPs PjP₇μC,P°P±PsP»C-P·PjCr₇.

P₇μP»C-PSC-C†PSC- C...P°C₇P°PeC,P₇μC₇PëC₇Cr₇,PëPePë.

P₇μPsPeP°P·P°PSPSC₇.

P”PsC₇PsC₇Cr₇P»C-

PhPSPPrP°PSC₇P₇μC,C₇PsPS Cr₇ C,,PsC₇PjC- C,P°P±P»P₇μC,PsPe, C%₇Ps
PrPëC₇PiP₇μC₇PiC₇ChC,CH₇C₇Cl₇ PI C₇PsC,PsPIC- PiPsC₇PsP₇μPSPëPSC-,
PiC₇PëP·PSP°C†P°ChC,Ch PrP»C₇Cl₇ P»C-PeCr₇PIP°PSPSC₇ PSC₇PrPsC,Pë C,P°
P±P»C₇PIP°PSPSC₇, PIPëPeP»PëPeP°PSPëC... C†PëC,PsC,PsPeC₇PëC†PSPsCh
C...C-PjC-PsC,P₇μC₇P°PiC-C”Ch C,P° PiC₇PsPjP₇μPSP₇μPIP₇Ch C,P₇μC₇P°PiC-C”Ch.

PhPSPPrP°PSCÍPµC,ChPsPS Cr C,,PsChPjC- C,P°P±P»PµC,PsPe, C%Ps
PrPëCÍPµCChPiCrChC,ChCÍCÍ PI ChPsC,PsPIC-PNë PíPsChPsP¶PSPëPSC-,
PíChPëP·PSP°C±P°ChC,Ch PrP»CÍ PíChPsC,,C-P»P°PeC,PëPePë
PíC-CÍP»CÍPsPíPµCChP°C†C-PNëPSPëC... PSCÍPrPsC,Pë C,P° P±P»ChPIP°PSPSCÍ (PµPhP´K´P´).

P°P»CÍ P»C-PeCÍPIP°PSPSCÍ PµPhP´K´P´ ChPµPePsPjPµPSPPrCÍC°C,ChCÍCÍ
PíChPëP·PSP°C±PµPSPSCÍ PsPSPPrP°PSCÍPµC,ChPsPSCÍ Cr PIPëPiP»CÍPrC-
C-PSB¶™ C°PeC†C-PNë.

P°C-C,Pë

PhPSPPrP°PSCÍPµC,ChPsPS Cr C,,PsChPjC- C,P°P±P»PµC,PsPe, C%Ps
PrPëCÍPµCChPiCrChC,ChCÍCÍ PI ChPsC,PsPIC-PNë PíPsChPsP¶PSPëPSC-,
PíChPëP·PSP°C±P°ChC,Ch PrP»CÍ P»C-PeCÍPIP°PSPSCÍ PSCÍPrPsC,Pë C,P°
P±P»ChPIP°PSPSCÍ, PIPëPeP»PëPeP°PSPëC... C...C-PjC-PsC,PµChP°PíC-C°Ch, Cr PrC-C,PµPNë
PIC-PePsPj PIC-Pr 6 PjC-CÍCÍC†C-PI*.

P°P»CÍ PíChPsC,,C-P»P°PeC,PëPePë PµPhP´K´P´ Cr PrC-C,PµPNë PIC-PePsPj PIC-Pr 1
PjC-CÍCÍC†CÍ ChPµPePsPjPµPSPPrCÍC°C,ChCÍCÍ PíChPëP·PSP°C±P°C,Pë PíChPµPíP°ChP°C, Cr
PIPëPiP»CÍPrC- C-PSB¶™ C°PeC†C-C—.

* P—P°CÍC,PsCÍCÍPIP°PSPSCÍ PsPSPPrP°PSCÍPµC,ChPsPSCÍ PI ChC-P·PSPëC...
P»C-PeP°ChCÍChPePëC... C,,PsChPjP°C... PsPíPëCÍP°PSPs Cr ChPsP·PrC-P»C- B«PÿPíPsCÍC-P±
P·P°CÍC,PsCÍCÍPIP°PSPSCÍ C,P° PrPsP·PëB», PrPµ P·P°P·PSP°C±PµPSPs, C%Ps
P»C-PeCÍPIP°PSPSCÍ PrC-C,PµPNë C,P°P±P»PµC,PeP°PjPë ChPsP·PíPsC±PëPSP°C°C,ChCÍCÍ P·
PrPsCÍCÍPiPSPµPSPSCÍ PíP»PsC%C- PíPsPIPµChC...PSC- C,C-P»P° PrPëC,PëPSPë 0,6 Pj²,
C%Ps PíChPëP±P»PëP·PSPs PIC-PrPíPsPIC-PrP°C° 4-ChC-C±PSPsPjCr PIC-PeCÍ.

PµChPsC,PëPíPsPeP°P·P°PSPSCÍ.

P—P°CÍC,PsCÍCÍPIP°PSPSCÍ PsPSPPrP°PSCÍPµC,ChPsPSCÍ ChP°P·PsPj P·
P°PíPsPjPsChC,,C-PSCÍ PíC-PrChPsC...P»PsChPëPrPsPj PíChPsC,PëPíPsPeP°P·P°PSPµ.

PµC-PrPIPëC%PµPSP° C±CÍC,P»PëPIC-CÍC,Ch PrPs P±CÍPrChC-CÍPePsPiPs
PePsPjPíPsPSPµPSC,P° P»C-PeP°ChCÍChPePsPiPs P·P°CÍPsP±CÍ.

***P°P·P°C°PjPsPrC-CÍ P· C-PSC€PëPjPë P»C-PeP°ChCÍChPePëPjPë P·P°CÍPsP±P°PjPë C,P°
C-PSC€C- PIPëPrPë PIP·P°C°PjPsPrC-PNë.***

PhPSPPrP°PSCÍPµC,ChPsPS PSPµ PíChPëCÍPePsChChC° C- PSPµ PíP°P»ChPjCrC°
PjPµC,P°P±PsP»C-P·Pj C-PSC€PëC... PíChPµPíP°ChP°C,C-PI PíChPë PsPrPSPsC±P°CÍPSPsPjCr P·
PSPëPjPë P·P°CÍC,PsCÍCÍPIP°PSPSC-. PÿPíPµC†C-P°P»ChPSC- PrPsCÍP»C-PrP¶PµPSPSCÍ
PíPsPeP°P·P°P»Pë, C%Ps PsPSPPrP°PSCÍPµC,ChPsPS PSPµ PIP·P°C°PjPsPrC-C° P·
P°P»PePsPiPsP»PµPj, C,PµPjP°P·PµPíP°PjPsPj, C,,CÍChPsCÍPµPjC-PrPsPj,
P°P»C,,PµPSC,P°PSC-P»PsPj, C,ChP°PjP°PrPsP»PsPj, PjPsChC,,C-PSPsPj, P»C-PrPsPeP°C—PSPsPj,
C,C-PsPíPµPSC,P°P»PsPj P°P±Ps PíChPsPíPsC,,PsP»PsPj.

P—P°CfC,PsCfCfPIP°PSPSCf PsPSPPrP°PSCfPμC,CfPSPSCf CfP°P·PsPj P·
P°PiPsPjPsCfC,,C—PSCf PiC—PrCfPSc...P»PsCfPëPrPsPj PiCfPSc,PëPiPsPeP°P·P°PSPμ,
PsCfPeC—P»ChbPePë CfPiPsCfC,PμCfC—PiP°P»PëCfCf PIPëPiP°PrPePë CfPëP»ChbPSPSc—
PiC—PiPsC,PμPSP·C—C— C,P° PIC,CfP°C,Pë CfPIC—PrPsPjPsCfC,C— PiC—Pr C‡P°Cf
CfCfPjC—CfPSPsPiPs P·P°CfC,PsCfCfPIP°PSPSCf.

PrP_uPSC-C, PsC—PS, PeP°C₇P±P°PjP°P·P_uPiC-PS C- C₇PëC,,P°PjPiC-C†PëPS

Pj PiP°C†C-C" PSC, C-PI, C₇PeC- P»C-PeC₇C₇C, C₇C₇C₇ PiPsC, P_uPSC†C-PN₂PSPëPjPë
C-PSPrC₇PeC, PsC₇P°PjPë CYP3A4 (PSP°PiC₇PëPeP»P°Pr, C,, P_uPSC-C, PsC—PSPsPj,
PeP°C₇P±P°PjP°P·P_uPiC-PSPsPj C- C₇PëC,,P°PjPiC-C†PëPSPsPj), PeP»C-C₇P_uPSC†
PsPSPrP°PSC†P_uC, C₇PsPSC† P·P±C-P»C₇C₇C₇C, C₇C₇C₇ C- PN₂PsPiPs
PePsPSC†P_uPSC, C₇P°C†C-C₇ C₇ PeC₇PsPIC- P·PjP_uPSC€C₇C₇C, C₇C₇C₇.

P₇C₇P°PjP°PrPsP»

P—P° PrP°PSPëPjPë PrP_uC₇PePëC... PeP»C-PSC-C†PSPëC... PrPsC†P»C-PrP_uPSC₇,
PsPSPrP°PSC†P_uC, C₇PsPS PjPsP_uP_u P·PjP_uPSC€C₇PIP°C, Pë P°PSP°P»PiP_uC, PëC†PSPëPN₂
P_uC,, P_uPeC, C, C₇P°PjP°PrPsP»C₇.

PhC†PsP±P»PëPIPsC†C, C- P·P°C†C, PsC†C₇PIP°PSPSC₇.

P_uC₇Pë P»C-PeC₇PIP°PSPSC- PiP°C†C-C" PSC, C-PI C-P· PiC₇PsC₇PIP°PjPë
PiC-PiP_uC₇C†C₇C, P»PëPIPsC†C, C- PrPs C-PSC€PëC... C†P_uP»P_uPeC, PëPIPsPëC...
P°PSC, P°PiPsPSC-C†C, C-PI 5P₇P₇3-C₇P_uC†P_uPiC, PsC₇C-PI C†PiPsC†C, P_uC₇C-PiP°P»PëC†C₇
C₇P_uP°PeC†C-C— PiC-PiP_uC₇C†C₇C, P»PëPIPsC†C, C-.

P P_uP°PeC†C-C—, PiPsPiB₇TM C₇P·P°PSC- P· PrPëC...P°P»C₇PsPsC₇ C†PëC†C, P_uPjPsC₇,
P»C-PeC₇C₇C, C₇ C†PëPjPiC, PsPjP°C, PëC†PSPs. P₇P_uPrPëC†PSC- PiC₇P°C†C-PIPSPëPePë
PjP°C₇C, C₇ P·PiP_uC₇C, P°C, Pë PSP° PSPëC... PsC†PsP±P»PëPIC₇ C†PIP°PiC₇,
PsC†PeC-P»C₇PePë PIPsPSPë C" PsP·PSP°PeP°PjPë C₇P_uP°PeC†C-PN₂ PiC-PrPIPëC%P_uPSPsC—
C†C₇C, P»PëPIPsC†C, C- PSP° P»C-PeP°C₇C†C₇PePëPN₂ P·P°C†C-P±.

PhPSPrP°PSC†P_uC, C₇PsPS C₇ PrPsP·PsP·P°P»P_uP_uPSC-PN₂ C,, PsC₇PjC- PiPsPrPsPIP_uC†C"
C-PSC, P_uC₇PIP°P» QT. P"PsPrP°C, PePsPIPs PiC-Pr C†P°C†
PiC-C†P»C₇PjP°C₇PeP_uC, PëPSPiPsPIPsPiPs C†PiPsC†C, P_uC₇P_uP_uPSPSC₇ P±C†P»Pë
PiPsPIC-PrPsPjP»P_uPSPSC₇ PiC₇Ps PIPëPiP°PrPePë
C, C₇P_uPjC, C-PSPSC₇/PjP_uC₇P_uC...C, C-PSPSC₇ C€P»C†PSPsC†PeC-PI (*torsade de pointes*)
PiC₇Pë P·P°C†C, PsC†C†PIP°PSPSC- PsPSPrP°PSC†P_uC, C₇PsPSC†. P₇P»C-Pr C†PSPëPeP°C, Pë
P·P°C†C, PsC†C†PIP°PSPSC₇ PsPSPrP°PSC†P_uC, C₇PsPSC† PiP°C†C-C" PSC, P°Pj C-P·
PIC₇PsPrP_uPSPëPj C†PëPSPrC₇PsPjPsPj PiPsPrPsPIP_uPSPSC₇ QT.
PhPSPrP°PSC†P_uC, C₇PsPS P· PsP±P_uC₇P_uP_uPSC-C†C, C₇ PiPsC, C₇C-P±PSPs
P·P°C†C, PsC†PsPIC†PIP°C, Pë PrP»C₇ P»C-PeC†PIP°PSPSC₇ PiP°C†C-C" PSC, C-PI, C₇PeC-
PjP°C₇C, C₇ P°P±Ps C₇ C₇PePëC... PjPsP_uP_u C₇PsP·PiPëPSC†C, PëC†C₇ PiPsPrPsPIP_uPSPSC₇
C-PSC, P_uC₇PIP°P»C† QT P°P±Ps C†P_uC₇C†P_uPIC- P°C₇PëC, PjC-C—, PIPeP»C₇C†P°C₇C†Pë
PiP°C†C-C" PSC, C-PI C-P· PiPsC₇C†C€P_uPSPSC₇PjPë P_uP»P_uPeC, C₇PsP»C-C, PSPsPiPs
P±P°P»P°PSC†C†, P·P°C†C, C-PN₂PSPsC₇ C†P_uC₇C†P_uPIPsC₇ PSP_uPrPsC†C, P°C, PSC-C†C, C₇,
P±C₇P°PrC-P°C₇PëC, PjC-C" C₇, PiP°C†C-C" PSC, C-PI, C₇PeC- P»C-PeC₇C₇C, C₇C₇C₇
C-PSC€PëPjPë PiC₇P_uPiP°C₇P°C, P°PjPë, C%Ps PjPsP_uC†C, C₇ C†PiC₇PëC†PëPSC₇C, Pë
PiPsPrPsPIP_uPSPSC₇ C-PSC, P_uC₇PIP°P»C† QT P°P±Ps PiPsC₇C†C€P_uPSPSC₇
P_uP»P_uPeC, C₇PsP»C-C, PSPsPiPs P±P°P»P°PSC†C†. P_uP_uC₇P_uPr PiPsC†P°C, PePsPj
P·P°C†C, PsC†C†PIP°PSPSC₇ PiC₇P_uPiP°C₇P°C, C† C†P»C-Pr C†PePsC₇P_uPiC†PIP°C, Pë
PiC-PiPsPeP°P»C-C" PjC-C₇ C, P° PiC-PiPsPjP°PiPSC-C" PjC-C₇.

P_uC-C†P»C₇ PsPrPSPsC†P°C†PSPsPiPs P·P°C†C, PsC†C†PIP°PSPSC₇
PsPSPrP°PSC†P_uC, C₇PsPSC† C, P° C-PSC€PëC... C†P_uC₇PsC, PsPSC-PSP_uC₇PiC-C†PSPëC...

РiСґРµРiР°СґР°С,С-Рi (РiРeР»СґС±Р°СґС±Рё РҮРґР—Р—РҮ С,Р° РґР—Р—РҮРґ) Р±СґРi
РsРiРёСґР°Р°Р°Р°Р° СґРµСґРsС,РsРsС-РsРsРiРёР° СґРёРsРґСґРsРj (Сґ С,РsРjСґ С±РёСґР»С-
Р·РjС-РsРё РiСґРёС...С-С±РsРsРiРs СґС,Р°РsСґ, РiРsСґСґСґРµРµРsРsС Р· Р±РsРёСґ
РiРµРiРµС,Р°С,РёРiРsРsС— РsРµСґРiРsРiРsС— СґРёСґС,РµРjРё С,Р° РsРµСґРiРsРiРs-
РjРґ™ СґР·РsРiС- РiРsСґСґСґРµРµРsРsС). РiРёС%Рs РsРґРsРsС±Р°СґРsРµ
Р»С-РёСґРiР°РsРsС РsРsРґР°РsСґРµС,СґРsРsРj С,Р° С-РsСРёРjРё
СґРµСґРsС,РsРsС-РsРµСґРiС-С±РsРёРjРё РiСґРµРiР°СґР°С,Р°РjРё РeР»С-РsС-С±РsРs
РsР±Т'СґСґРsС,РsРiР°РsРs, СґРµРeРsРjРµРsРґСґС"С,СґСґСґ РiС-РґРiРsРiС-РґРsРµ
СґРiРsСґС,РµСґРµРµРµРsРsРsРsР° Р·Р° РiР°СґС-С"РsС,РsРj.

РґСґРeС-Р»СґРeРё РsРsРґР°РsСґРµС,СґРsРs РiРsСґР»Р°Р±»СґС
РiРµСґРёСґС,Р°Р»Сґ,РёРeСґ РeРёСґРµС±РsРёРeСґ, РiРsС,СґС-Р±РsРёР°
СґРµС,РµР»СґРsРёР° РsР°РiР»СґРґ Р·Р° РiР°СґС-С"РsС,Р°РjРё Р· РsР·РsР°РeР°РjРё
РiС-РґРiРsСґС,СґРsС— РsРµРiСґРsС...С-РґРsРsСґС,С- РeРёСґРµС±РsРёРeСґ РiС-Рґ С±Р°Сґ
Р·Р°СґС,РsСґСґРiР°РsРsС РiСґРµРiР°СґР°С,Сґ.

Рj РiР°СґС-С"РsС,С-Рi, СґРeРёРj РiСґРsРiРsРґРёС,СґСґСґ С...С-СґСґРiС-С±РsРµ
РiС,СґСґС±Р°РsРsС Рi Р°РґРµРsРsС,РsРsР·РёР»СґРsС-Р° РґС-Р»СґРsСґС-,
Р·Р°СґС,РsСґСґРiР°РsРsС РsРsРґР°РsСґРµС,СґРsРsС РґР»Сґ РiСґРsС,С-Р»Р°РeС,РёРeРё
РsСґРґРsС,Рё С,Р° Р±Р»РiР°РsРsС РjРsРµРµ РjР°СґРeСґРiР°С,Рё РiРёРsРёРeРsРµРsРsС
РeСґРsРiРsС,РµСґС-. РҮРsРjСґ С,Р°РeС- С...РiРsСґС- РiРsС,СґРµР±СґСґС,Сґ
СґРµС,РµР»СґРsРiРs РsР°РiР»СґРґ РiС-СґР»Сґ Р·Р°СґС,РsСґСґРiР°РsРsС
РsРsРґР°РsСґРµС,СґРsРsС.

Р»С-РeР°СґСґСґРeРёР° Р·Р°СґС-Р± РjС-СґС,РёС,Сґ Р°СґРiР°СґС,Р°Рj (Р· 951) С,Р°
РjРsРµРµ РjР°С,Рё РsРµРiР°С,РёРiРsРёР° РiРiР»РёРi РsР° С...РiРsСґРёС... РsР°
С,,РµРsС-Р»РeРµС,РsРsСґСґС-Сґ.

РµРsРiС-РґРsРjР»СґР»РsСґСґ РiСґРs РiРёРiР°РґРeРё С-СґРµРjС-С— РjС-РsРeР°СґРґСґ Сґ
РiР°СґС-С"РsС,С-Рi, СґРeС- РsС,СґРёРjСґРiР°Р»Рё РsРsРґР°РsСґРµС,СґРsРs. Рj
РґРµСґРeС... РiР°СґС-С"РsС,С-Рi, РsСґРsР±Р»РiРs Сґ СґР°Р·С-
РiРsСґС,СґС-СґРsРsРiРµРsРiРs РiРiРµРґРµРsРsС, СґРёРjРiС,РsРjРё
Р·Рґ™ СґРiРёР»Р»РёСґС РsРґСґР°Р· РiС-СґР»Сґ РiРiРµРґРµРsРsС
РsРsРґР°РsСґРµС,СґРsРsС. РµР°СґС-С"РsС,С-Рi СґР»С-Рґ РiРsРiРµСґРµРёС,Рё РiСґРs
РsР·РsР°РeРё С,Р° СґРёРjРiС,РsРjРё С-СґРµРjС-С— РjС-РsРeР°СґРґР°.

РҮР»С-Рґ РґРsС,СґРёРjСґРiР°С,РёСґС РsР±РµСґРµРµРsРsСґС,С- РiСґРё
Р·Р°СґС,РsСґСґРiР°РsРsС- РiРёСґРsРeРёС... РґРsР·, РsСґРsР±Р»РiРs Сґ РiР°СґС-С"РsС,С-Рi
Р· РiРµСґС-РsРeРsРiРsС С,Р° РsРёСґРeРsРiРsС РsРґРґСґС,Р°С,РsС-СґС,Сґ,
РiРsР°СґР»С-РґРsРe РiС-РґРiРёС%РµРsРsС— СґРёР·РёРeСґ РeСґРjСґР»СґСґС— С,Р°
СґРsР·РiРёС,РeСґ С,РsРeСґРёС±РsРsСґС,С- (РjРµС,Р°Р±РsР»С-С±РsР»С-С±РsРёР° Р°СґРґРsР·).

Р"С-С,Рё

Рj РґС-С,РµР°, СґРeС- РsС,СґРёРjСґСґС,Сґ РsРsРґР°РsСґРµС,СґРsРs СґР°Р·РsРj С-Р·
РiРµРiР°С,РsС,РsРeСґРёС±РsРёРjРё С...С-РjС-РsС,РµСґР°РiРµРiС,РёС±РsРёРjРё
РiСґРµРiР°СґР°С,Р°РjРё, РiРsС,СґС-Р±РsРs СґРµС,РµР»СґРs СґС,РµРµРёС,Рё Р·Р°
РjРsРµР»Р»РiРёРjРё РiРsСґСґСґРµРµРsРsС РґС,,СґРsРeСґС— РiРµСґС-РsРeРё.

РґСґРґРsС,Р° С,Р° Р±Р»РiР°РsРsС, РiРёРeР»Р»РeР°РsС- С...С-РjС-РsС,РµСґР°РiС-С"Сґ

РµСґРё СґРsР·СґР°С...СґРsРeСґ РґРsР·Рё Р·РiС-РґРsРs Р· РjР°СґРsС С,С-Р»Р°С-

$P \cdot P^{\circ} C \dot{I} C, P s C \dot{I} C r P I P^{\circ} P S P S C - C, C \dot{H} C H P s C \dots P r P s P \cdot C - P \cdot 4 - P i P s P r P \ddot{e} P S P S P \ddot{e} P j$
 $C - P S C, P \mu C \dot{H} P I P^{\circ} P \gg P s P j P \cdot P^{\circ} P i P^{\circ} P \gg C H P S P^{\circ} P r P s P \pm P s P I P^{\circ} P r P s P \cdot P^{\circ} P \pm C r P r P \mu P I P \ddot{e} C \% P s C \dot{H},$
 $P S C - P \parallel P i C \dot{H} P \ddot{e} P \cdot P^{\circ} C \dot{I} C, P s C \dot{I} C r P I P^{\circ} P S P S C - P s P r P S C - C'' C - P r P s P \cdot P \ddot{e} 5 P j P i / P j^2 C - P s P r P S C - C'' C -$
 $P r P s P \cdot P \ddot{e} P i C \dot{H} P \mu P i P^{\circ} C \dot{H} P^{\circ} C, C r P i P \mu C \dot{H} P s C \dot{H} P^{\circ} P \gg C H P S P s. P \mu P s C \dot{H} C - P I P S C \dot{I} P \gg C H P S P^{\circ}$
 $P \mu C,, P \mu P e C, P \ddot{e} P I P S C - C \dot{I} C, C H C \dot{I} P \ddot{e} C \dots P r P I P s C \dots C \dot{H} P \mu P \parallel P \ddot{e} P j C - P I P r P s P \cdot C r P I P^{\circ} P S P S C \dot{I} P S P \mu$
 $P \pm C r P \gg P^{\circ} P s C \dot{I} C - P S P \mu P S P^{\circ} C r P e P \gg C - P S C - C \ddot{I} P S P \ddot{e} C \dots P r P s C \dot{I} P \gg C - P r P \parallel P \mu P S P S C \dot{I} C \dots$
 $P \mu P s C \dot{H} C - P I P S C \dot{I} P S P S C \dot{I} C \dot{H} P \mu P \cdot C r P \gg C H C, P^{\circ} C, C - P I C \dot{H} C - P \cdot P S P \ddot{e} C \dots P r P s C \dot{I} P \gg C - P r P \parallel P \mu P S C H$
 $C \dot{I} P I C - P r C \ddot{I} P \ddot{e} C, C H P i C \dot{H} P s P i P s P r C - P \pm P S C r P \mu C,, P \mu P e C, P \ddot{e} P I P S C - C \dot{I} C, C H P s P \pm P s C \dots$
 $C \dot{H} P \mu P \parallel P \ddot{e} P j C - P I P r P s P \cdot C r P I P^{\circ} P S P S C \dot{I} P.$

$P - P^{\circ} C \dot{I} C, P s C \dot{I} C \dot{I} P I P^{\circ} P S P S C \dot{I} C \dot{I} P i P \mu C \dot{H} C - P s P r P I P^{\circ} P i C - C, P S P s C \dot{I} C, C - P^{\circ} P \pm P s$
 $P i P s P r C \dot{I} P I P^{\circ} P S P S C \dot{I} P P i C \dot{H} C \dot{I} P r P r C \dot{H}.$

$P - C - P S P e P \ddot{e} P r C - C, P s C \dot{H} P s P r P S P s P i P s P I C - P e C \dot{I}$

$P j C \dot{H} P^{\circ} P \cdot C - P \cdot P^{\circ} C \dot{I} C, P s C \dot{I} C r P I P^{\circ} P S P S C \dot{I} P s P S P r P^{\circ} P S C \dot{I} P \mu C, C \dot{H} P s P S C r P \parallel C - P S P e P^{\circ} P j$
 $P r C - C, P s C \dot{H} P s P r P S P s P i P s P I C - P e C r C \dot{I} P \gg C - P r C \dot{H} P s P \cdot P i P \gg C \dot{I} P S C r C, P \ddot{e} P i P \ddot{e} C, P^{\circ} P S P S C \dot{I} P P i C \dot{H} P s$
 $P e P s P S C, C \dot{H} P^{\circ} C \dot{I} P \mu P i C \dot{I} C - C \dot{H}.$

$P' P^{\circ} P i C - C, P S C - C \dot{I} C, C H$

$P - P^{\circ} P r P^{\circ} P S P \ddot{e} P j P \ddot{e} P i C \dot{H} P s P I P \mu P r P \mu P S P \ddot{e} C \dots P \mu P i C - P r P \mu P j C - P s P \gg P s P i C - C \ddot{I} P S P \ddot{e} C \dots$
 $P r P s C \dot{I} P \gg C - P r P \parallel P \mu P S C H, P s P S P r P^{\circ} P S C \dot{I} P \mu C, C \dot{H} P s P S P j P s P \parallel P \mu C \dot{I} P i C \dot{H} P \ddot{e} C \dot{I} P \ddot{e} P S C \dot{I} C, P \ddot{e}$
 $P I P^{\circ} P r P \ddot{e} C \% P \mu P \gg P \mu P i P S P s - P \gg P \ddot{e} C \dot{I} C H P s P I P s C - P r C - P \gg C \dot{I} P S P e P \ddot{e} P i C \dot{H} P \ddot{e}$
 $P \cdot P^{\circ} C \dot{I} C, P s C \dot{I} C r P I P^{\circ} P S P S C - P i C \dot{H} P s C, C \dot{I} P i P s P j P \dot{I} C, C \dot{H} P \ddot{e} P j P \mu C \dot{I} C, C \dot{H} C r P I P^{\circ} P i C - C, P S P s C \dot{I} C, C -.$
 $P' P s P r P S P s P j C r P \cdot P e P s P i P s C \dot{H} C, P S P \ddot{e} C \dots P r P s C \dot{I} P \gg C - P r P \parallel P \mu P S C H, C \% P s P I P e P \gg C \dot{H} C \dot{I} P^{\circ} P \gg P s$
 $1,8 P j C - P \gg C H P N \ddot{e} P s P S P^{\circ} P I P^{\circ} P i C - C, P S P s C \dot{I} C, P \mu P N \ddot{e}, P \cdot P^{\circ} C \dot{I} C, P s C \dot{I} C r P I P^{\circ} P S P S C \dot{I} P$
 $P s P S P r P^{\circ} P S C \dot{I} P \mu C, C \dot{H} P s P S C r C r P \dot{I} C, C \dot{H} P \ddot{e} P j P \mu C \dot{I} C, C \dot{H} C - P \pm C r P \gg P s P i P s P i P \dot{H}^{\text{TM}} C \dot{I} P \cdot P^{\circ} P S P s P \cdot$
 $P i C - P r P I P \ddot{e} C \% P \mu P S P \ddot{e} P j C \dot{H} P \ddot{e} P \cdot P \ddot{e} P e P s P j C \dot{H} P s P \cdot C \% P \mu P i P \gg P \mu P S P S C \dot{I} P P i C - P r P S P \mu P \pm C - P S P S C \dot{I} P$
 $[3 P r P s P r P^{\circ} C, P e P s P I C - P I P \ddot{e} P i P^{\circ} P r P e P \ddot{e} P S P^{\circ} 10000 P \parallel C - P S P s P e, C \dot{I} P e C - P s C, C \dot{H} P \ddot{e} P j C r P I P^{\circ} P \gg P \ddot{e}$
 $P s P S P r P^{\circ} P S C \dot{I} P \mu C, C \dot{H} P s P S; C \dot{I} P e P s C \dot{H} P \ddot{e} P i P s P I P^{\circ} P S P \ddot{e} P N \ddot{e} P I C - P r P S P s C \dot{I} P S P \ddot{e} P N \ddot{e} C \dot{H} P \ddot{e} P \cdot P \ddot{e} P e:$
 $1,24 (95 \% P'' P \dot{I} (P r P s P I C - C \dot{H} C \dot{I} P \ddot{e} P N \ddot{e} C - P S C, P \mu C \dot{H} P I P^{\circ} P \gg) 1,03 \text{в} \dot{H} "1,48)].$
 $P \cdot P i C - P r P \mu P j C - P s P \gg P s P i C - C \ddot{I} P S C - P r P s C \dot{I} P \gg C - P r P \parallel P \mu P S P S C \dot{I} C \dot{I} P \mu C \dot{H} C \dot{I} P \mu P I P \ddot{e} C \dots P I P^{\circ} P r$
 $P i P s P e P^{\circ} P \cdot C r C \dot{H} C, C H C \dot{I} C r P i P \mu C \dot{H} P \mu C \dot{I} P \gg P \ddot{e} P I C - C \dot{H} P \mu P \cdot C r P \gg C H C, P^{\circ} C, P \ddot{e}.$
 $P'' P s C \dot{I} P \gg C - P r P \parallel P \mu P S P S C \dot{I} P S P^{\circ} C, P I P^{\circ} C \dot{H} P \ddot{e} P S P^{\circ} C \dots P S P \mu P I P \ddot{e} C \dot{I} P I P \ddot{e} P \gg P \ddot{e}$
 $C \dot{H} P \mu P i C \dot{H} P s P r C r P e C, P \ddot{e} P I P S P s C - C, P s P e C \dot{I} P \ddot{e} C \dot{I} P S P s C \dot{I} C, C -. P \dot{H} P S P r P^{\circ} P S C \dot{I} P \mu C, C \dot{H} P s P S P S P \mu$
 $C \dot{I} P \gg C - P r P \cdot P^{\circ} C \dot{I} C, P s C \dot{I} P s P I C r P I P^{\circ} C, P \ddot{e} P i C \dot{H} P s C, C \dot{I} P i P s P j P \dot{I} C, C \dot{H} P \ddot{e} P j P \mu C \dot{I} C, C \dot{H} C r$
 $P I P^{\circ} P i C - C, P S P s C \dot{I} C, C -.$

$P \mu P \mu C \dot{H} C - P s P r P i P s P r C \dot{I} P I P^{\circ} P S P S C \dot{I} P P i C \dot{H} C \dot{I} P r P r C \dot{H}$

$P' P \mu P e C \dot{I} P i P \mu C \dot{H} P \ddot{e} P j P \mu P S C, P^{\circ} P \gg C H P S P \ddot{e} C \dots P r P s C \dot{I} P \gg C - P r P \parallel P \mu P S P S C \dot{I} C \dots P \pm C r P \gg P s$
 $P i P s P e P^{\circ} P \cdot P^{\circ} P S P s, C \% P s P s P S P r P^{\circ} P S C \dot{I} P \mu C, C \dot{H} P s P S P i C \dot{H} P s P S P \ddot{e} P e P^{\circ} C'' C r P i C \dot{H} C r P r P S P \mu$
 $P j P s P \gg P s P e P s C, P I P^{\circ} C \dot{H} P \ddot{e} P s. P j C \dot{H} P^{\circ} P \cdot C - P S P \mu P s P \pm C \dots C - P r P S P s C \dot{I} C, C -$
 $P \cdot P^{\circ} C \dot{I} C, P s C \dot{I} C r P I P^{\circ} P S P S C \dot{I} P \gg C - P e P^{\circ} C \dot{H} C \dot{I} C H P e P s P i P s P \cdot P^{\circ} C \dot{I} P s P \pm C r C \dot{I} P \gg C - P r$
 $P i C \dot{H} P \ddot{e} P i P \ddot{e} P S P \ddot{e} C, P \ddot{e} P i P s P r C r P I P^{\circ} P S P S C \dot{I} P P i C \dot{H} C r P r P r C \dot{H}.$

$P \propto P \mu C \dot{H} C, P \ddot{e} P \gg C H P S C - C \dot{I} C, C H$

$P \acute{K} P \mu P j P^{\circ} C'' C - P S C,, P s C \dot{H} P j P^{\circ} C \dot{I} C - C - C \% P s P r P s P I P i P \gg P \ddot{e} P I C r P s P S P r P^{\circ} P S C \dot{I} P \mu C, C \dot{H} P s P S C r P S P^{\circ}$

C,,PμCḡC,PëP»CHPSC-ĆĆC,CH.

*P—PrP°C,PSC-ĆĆC,CH PIPiP»PëPIP°C,Pë PSP° C€PIPëPrPeC-ĆĆC,CH CḡPμP°PeC†C-C— PïCḡPë
PePμCḡC¿PIP°PSPSC- P°PIC,PsC,CḡP°PSCĴPïPsCḡC,PsPj P°P±Ps C-PSC€PëPjPë
PjPμC...P°PSC-P·PjP°PjPë.*

PμĆĴPëC...PsPjPsC,PsCḡPSC- C,PμĆĴC,Pë PïPsPeP°P·P°P»Pë, C%Ps PsPSPPrP°PSCĴPμC,CḡPsPS
PSPμ PIPiP»PëPIP°C” PSP° P·PrP°C,PSC-ĆĆC,CH PePμCḡC¿PIP°C,Pë PjPμC...P°PSC-P·PjP°PjPë C-
PSPμ C†PëPSPëC,CH ĴĴPμPrP°C,PëPIPSPsC— PrC-C—.

PŸPïPsĆĴC-P± P·P°ĆĴC,PsĆĴC¿PIP°PSPSCĴ C,P° PrPsP·Pë.

PŸP°P±P»PμC,PePë ĴĴP»C-Pr P·P°ĆĴC,PsĆĴPsPICĴPIP°C,Pë PsPrCḡP°P·CĴ PïC-ĆĴP»CĴ
PIPëP»ĆĴC†PμPSPSCĴ P· ĴĴPïP°PePsPIPePë.

PμPsPjC-ĆĴC,PëC,Pë C,P°P±P»PμC,PeCĴ PSP° ĴĴP·PëPe PrPs PïPsPIPSPsPiPs
CḡPsP·PïP°PrP°PSPSCĴ. PŸP°P±P»PμC,PeCĴ ĴĴP»C-Pr P±CḡP°C,Pë ĴĴCĴC...PëPjPë
CḡCĴPeP°PjPë.

*PĴC¿PrPsC,P° C- P±P»CḡPIP°PSPSCĴ, ĴĴPïCḡPëC†PëPSPμPSC- C...C-PjC-PsC,PμCḡP°PïC-C”Cḡ
C,P° PïCḡPsPjPμPSPμPIPsCḡ C,PμCḡP°PïC-C”Cḡ*

P”PsCḡPsĆĴP»C-

P·PjPμC,PsPiPμPSPSPëPNë PïPsC,PμPSC†C-P°P» C,PμCḡP°PïC-C— CḡP°PeCĴ PIP°CḡC-CḡC”
P·P°P»PμP¶PSPs PIC-Pr PrPsP·Pë C- PePsPjP±C-PSP°C†C-C— CḡPμP¶PëPjC-PI
C...C-PjC-PsC,PμCḡP°PïC-C— C,P° PïCḡPsPjPμPSPμPIPsC— C,PμCḡP°PïC-C—. P’PëP±C-Cḡ
CḡPμP¶PëPjCĴ PrPsP·CĴPIP°PSPSCĴ P·P°P»PμP¶PëC,CH PIC-Pr C,ĴĴP¶PePsĆĴC,C-
PμPjPμC,PsPiPμPSPSPsPiPs PIPiP»PëPICĴ.

P·PjPμC,PsPiPμPSPSP° C...C-PjC-PsC,PμCḡP°PïC-CĴ C,P° PïCḡPsPjPμPSPμPIP° C,PμCḡP°PïC-CĴ

P”PsP·CĴ 8 PjPi PïCḡPëPNëPjP°CḡC,CH P·P° 1Бḡ”2 PïPsPrPëPSPë PrPs
C...C-PjC-PsC,PμCḡP°PïC-C— P°P±Ps PïCḡPsPjPμPSPμPIPsC— C,PμCḡP°PïC-C—, PïPsC,C-Pj
PrPsP·CĴ 8 PjPi PïCḡPëPNëPjP°CḡC,CH PePsP¶PSC- 12 PïPsPrPëPS PïCḡPsC,ĴĴPiPsPj
PjP°PeCĴPëPjCĴPj 5 PrPSC-PI PrP»CĴ PïCḡPsC,,C-P»P°PeC,PëPePë PIC-PrĆĴC,CḡPsC†PμPSPsPiPs
P°P±Ps C,CḡPëPIP°P»PsPiPs P±P»CḡPIP°PSPSCĴ.

*P’PëĆĴPsPePsPμPjPμC,PsPiPμPSPSP° C...C-PjC-PsC,PμCḡP°PïC-CĴ (PSP°PïCḡPëPeP»P°Pr,
PIPëĆĴPsPeC- PrPsP·Pë C†PëĆĴPïP»P°C,PëPSC¿): ĴĴP»C-Pr P·P°ĆĴC,PsĆĴPsPICĴPIP°C,Pë
PïCḡPμPïP°CḡP°C, ĴĴ PIPëPiP»ĴĴPrC- PsPrPSPsCḡP°P·PsPIPsC— PrPsP·Pë PrPs 24 PjPi
PsPSPPrP°PSCĴPμC,CḡPsPSCĴ P· 12 PjPi PrPμPeCĴP°PjPμC,P°P·PsPSCĴ PSP°C,CḡC-Cḡ
C,,PsĆĴC,,P°C,ĴĴ PïPμCḡPsCḡP°P»CHPSPs, P·P° 1Бḡ”2 PïPsPrPëPSPë PrPs
C...C-PjC-PsC,PμCḡP°PïC-C—.*

P”P»CĴ PïCḡPsC,,C-P»P°PeC,PëPePë PIC-PrĆĴC,CḡPsC†PμPSPsPiPs P°P±Ps C,CḡPëPIP°P»PsPiPs
P±P»CḡPIP°PSPSCĴ PïC-ĆĴP»CĴ PïPμCḡC€PëC... 24 PïPsPrPëPS
CḡPμPePsPjPμPSPPrCĴ”C,CHĆĴCĴ PïPμCḡPsCḡP°P»CHPSPμ P·P°ĆĴC,PsĆĴCĴPIP°PSPSCĴ
PïCḡPμPïP°CḡP°C,ĴĴ PïCḡPsC,ĴĴPiPsPj PjP°PeCĴPëPjCĴPj 5 PrPSC-PI PïC-ĆĴP»CĴ PeCĴCḡCĴCĴ

$P \gg C - PeCfPIP^{\circ}PSPSCfI$.

$P \cdot P_{\mu}PePsPjP_{\mu}PSPPrPsPIP^{\circ}PSP^{\circ} PrPsP \cdot P^{\circ} PrP \gg CfI \Pi P_{\mu}CfPsCfP^{\circ}P \gg CHbPSPsPiPs$
 $P \cdot P^{\circ}CfC, PsCfCfPIP^{\circ}PSPSCfI CfC, P^{\circ}PSPsPIP^{\circ}C, CHb 8 PjPi 2 CfP^{\circ}P \cdot P^{\circ}PSP^{\circ} PrPsP \pm Cf.$

$P''C - C, P^{\circ}$

$P PsP \cdot CfP^{\circ}C \dots C^{\circ}PSPsPe PrPsP \cdot P^{\circ} PrP \gg CfI PrC - C, P_{\mu}PN_{\circ} PIC - PePsPj PIC - Pr 6 PjC - CfCfCfC - PI$
 $C, P^{\circ} PiC - PrP \gg C - C, PeC - PI PIC - PePsPj PrPs 17 CfPsPeC - PI$

$P''PsP \cdot Cf \Pi CfP_{\mu}PiP^{\circ}CfP^{\circ}C, Cf PjPsP \Pi PSP^{\circ} CfPsP \cdot CfP^{\circ}C \dots CfPIP^{\circ}C, P^{\circ} P \cdot P^{\circ} PiP \gg PsC^{\circ}P_{\mu}Cf$
 $PiPsPIP_{\mu}CfC \dots PSC - C, C - P \gg P^{\circ} P^{\circ} P \pm Ps P \cdot P^{\circ} PjP^{\circ}CfPsCf C, C - P \gg P^{\circ} PrP^{\circ}C, P^{\circ}PSP^{\circ}. P \Pi PeC^{\circ}Ps$
 $PrPsP \cdot Cf CfPsP \cdot CfP^{\circ}C \dots PsPICfCfC, CHb P \cdot P^{\circ} PjP^{\circ}CfPsCf C, C - P \gg P^{\circ}, P \cdot P^{\circ}PiP^{\circ}P \gg CHbPSP^{\circ}$
 $PrPsP \pm PsPIP^{\circ} PrPsP \cdot P^{\circ} PIP^{\circ}C^{\circ}P^{\circ} PiPsCfC - PIPSCfIPSPs P \cdot PrPsP \cdot CfPIP^{\circ}PSPSCfI Pj P \cdot P^{\circ}$
 $PiP \gg PsC^{\circ}P_{\mu}Cf PiPsPIP_{\mu}CfC \dots PSC - C, C - P \gg P^{\circ}.$

$P PsP \cdot CfP^{\circ}C \dots C^{\circ}PSPsPe PrPsP \cdot P^{\circ} P \cdot PiC - PrPSPs P \cdot PiP \gg PsC^{\circ}P_{\mu}Cf PiPsPIP_{\mu}CfC \dots PSC - C, C - P \gg P^{\circ}$
 $PrP^{\circ}C, P^{\circ}PSP^{\circ}$

$PhPSPPrP^{\circ}PSCfP_{\mu}C, CfPsPs CfP \gg C - Pr PIPiPsPrP^{\circ}C, P^{\circ} P \pm P_{\mu}P \cdot PiPsCfP_{\mu}CfP_{\mu}PrPSCfPs$
 $PiP_{\mu}CfP_{\mu}Pr C \dots C - PjC - PsC, P_{\mu}CfP^{\circ}PiC - C''Cf C \notin P \gg CfI C \dots PsPj PsPrPSPsCfP^{\circ}P \cdot PsPiPsC -$
 $PIPSCfC, CfC - C \notin PSCHbPsPiP_{\mu}PSPSPsC - C - PSb_{\mathcal{H}}^{\mathcal{T}} C''PeCfC - C - Cf PrPsP \cdot C - 5 PjPi/Pj^2,$
 $PIPSCfC, CfC - C \notin PSCHbPsPiP_{\mu}PSPSP^{\circ} PrPsP \cdot P^{\circ} PSP_{\mu} PjP^{\circ}C'' PiP_{\mu}CfP_{\mu}PiP^{\circ}C^{\circ}CfPIP^{\circ}C, P^{\circ} 8 PjPi.$
 $PSP_{\mu}CfP_{\mu}P \cdot 12 PiPsPrP^{\circ}PS PjPsP \Pi PSP^{\circ} CfPsP \cdot PiPsC \pm P^{\circ}PSP^{\circ}C, P^{\circ} PiP_{\mu}CfPsCfP^{\circ}P \gg CHbPSP_{\mu}$
 $P \cdot P^{\circ}CfC, PsCfCfPIP^{\circ}PSPSCfI PiCfP_{\mu}PiP^{\circ}CfP^{\circ}C, Cf, CfPeP_{\mu} PjPsP \Pi P_{\mu} C, CfP^{\circ}PiP^{\circ}C, P^{\circ} C^{\circ}P_{\mu} 5$
 $PrPSC - PI (PrP^{\circ}PI. C, P^{\circ}P \pm P \gg PeCfCf 1). P - P^{\circ}PiP^{\circ}P \gg CHbPSP^{\circ} PrPsP \pm PsPIP^{\circ} PrPsP \cdot P^{\circ}$
 $(CfPsP \cdot PiPsPrC - P \gg P_{\mu}PSP^{\circ} PSP^{\circ} PiCfP^{\circ}PN_{\circ}PsPjP^{\circ}) PSP_{\mu} PiPsPiP^{\circ}PSPSP^{\circ}$
 $PiP_{\mu}CfP_{\mu}PiP^{\circ}C^{\circ}CfPIP^{\circ}C, P^{\circ} PrPsP \cdot Cf PrP \gg CfI PrPsCfPsCfP \gg PeC \dots 32 PjPi.$

$P^{\circ}P \pm P \gg PeCfCf 1$

$P PsP \cdot CfP^{\circ}C \dots CfPSPsPe PrPsP \cdot P^{\circ} P \cdot PiC - PrPSPs P \cdot PiP \gg PsC^{\circ}P_{\mu}Cf PiPsPIP_{\mu}CfC \dots PSC - C, C - P \gg P^{\circ}$
 $PrP \gg CfI PrC - C, P_{\mu}PN_{\circ} PIC - PePsPj PIC - Pr 6 PjC - CfCfCfC - PI C, P^{\circ} PiC - PrP \gg C - C, PeC - PI$

$P_{\mu}P \gg PsC^{\circ}P^{\circ} C, C - P \gg P^{\circ}$ $PrP^{\circ}C, P^{\circ}PSP^{\circ}$	$P''P_{\mu}PSCf 1^{(P^{\circ}, P^{\pm})}$	$P''P_{\mu}PSCf 2b_{\mathcal{H}}^{\mathcal{T}} 6^{(P^{\pm})}$
$< 0,6 Pj^2$	$0,5 PjPi/Pj^2$ $PIPSCfC, CfC - C \notin PSCHbPsPiP_{\mu}PSPSPs$ $CfP^{\circ}CfPsPi^* Cf PrPsP \cdot C - 2 PjPi$ $C \pm P_{\mu}CfP_{\mu}P \cdot 12 PiPsPrP^{\circ}PS$	$P^{\circ}P^{\circ}CfPsPi^* Cf PrPsP \cdot C - 2$ $PjPi PePsP \Pi PSC - 12$ $PiPsPrP^{\circ}PS$
$\geq 0,6 Pj^2 PrPs \leq 1,2 Pj^2$	$5 PjPi/Pj^2$ $PIPSCfC, CfC - C \notin PSCHbPsPiP_{\mu}PSPSPs$ $C, P^{\circ}P \pm P \gg P_{\mu}C, PeP^{\circ} Cf PrPsP \cdot C - 4 PjPi$ $C \pm P_{\mu}CfP_{\mu}P \cdot 12 PiPsPrP^{\circ}PS$	$C, P^{\circ}P \pm P \gg P_{\mu}C, PeP^{\circ} Cf$ $PrPsP \cdot C - 4 PjPi PePsP \Pi PSC -$ $12 PiPsPrP^{\circ}PS$
$> 1,2 Pj^2$	$5 PjPi/Pj^2 P^{\circ}P \pm Ps 8 PjPi$ $PIPSCfC, CfC - C \notin PSCHbPsPiP_{\mu}PSPSPs$ $C, P^{\circ}P \pm P \gg P_{\mu}C, PeP^{\circ} Cf PrPsP \cdot C - 8 PjPi$ $C \pm P_{\mu}CfP_{\mu}P \cdot 12 PiPsPrP^{\circ}PS$	$C, P^{\circ}P \pm P \gg P_{\mu}C, PeP^{\circ} Cf$ $PrPsP \cdot C - 8 PjPi PePsP \Pi PSC -$ $12 PiPsPrP^{\circ}PS$

* $P - P^{\circ}CfC, PsCfPsPICfC''C, CHbCfCf C - PSC \notin P^{\circ}PN_{\circ} P \gg C - PeP^{\circ}CfCfCHbPeP^{\circ}PN_{\circ} P \cdot P^{\circ}CfC - P \pm,$
 $C^{\circ}Ps PjC - CfC, P^{\circ}C, CHb PsPSPPrP^{\circ}PSCfP_{\mu}C, CfPsPs Cf PIP^{\circ}PiP \gg CfI PrC - CfP^{\circ}CfPsPiCf.$

P° $P''PsP \cdot P^\circ$ $PiC\bar{H}P\bar{e}$ $PIPSCrC, C\bar{H}C - C\bar{e}PSC\bar{H}PsPIP\mu PSPSPsPjCr$ $PIPIP\mu PrP\mu PSPSC - PSP\mu$
 $PiPsPIP\bar{e}PSPSP^\circ$ $PiP\mu C\bar{H}P\mu PIP\bar{e}C\%CrPIP^\circ C, P\bar{e}$ 8 $PjPi$.

$P^\pm$ $P - P^\circ PiP^\circ P \gg CH\bar{P}SP^\circ$ $PrPsP \pm PsPIP^\circ$ $PrPsP \cdot P^\circ$ $PSP\mu$ $PiPsPIP\bar{e}PSPSP^\circ$
 $PiP\mu C\bar{H}P\mu PIP\bar{e}C\%CrPIP^\circ C, P\bar{e}$ $PrPsP \cdot Cr$ $PrP \gg C\bar{I}$ $PrPsC\bar{H}PsC\bar{I}P \gg P\bar{e}C \dots$ 32 $PjPi$.

$P PsP \cdot C\bar{H}P^\circ C \dots C\bar{e}PSPsPe$ $PrPsP \cdot P\bar{e}$ $P \cdot PiC - PrPSPs$ $P \cdot PjP^\circ C\bar{I}PsC\bar{H}$ $C, C - P \gg P^\circ$ $PrP\bar{e}C, P\bar{e}PSP\bar{e}$

$PiP\bar{e}C\%Ps$ $PrPsP \cdot Cr$ $C\bar{H}PsP \cdot C\bar{H}P^\circ C \dots PsPICrC\bar{H}C, CH$ $P \cdot P^\circ$ $PjP^\circ C\bar{I}PsC\bar{H}$ $C, C - P \gg P^\circ$,
 $P \cdot P^\circ PiP^\circ P \gg CH\bar{P}SP^\circ$ $PrPsP \pm PsPIP^\circ$ $PrPsP \cdot P^\circ$ $PIP\bar{e}C\%P^\circ$ $PiPsC\bar{H}C - PIPSC\bar{I}PSPs$ $P \cdot$
 $PrPsP \cdot CrPIP^\circ PSPSC\bar{I}Pj$ $P \cdot P^\circ$ $PiP \gg PsC\%P\mu C\bar{H}$ $PiPsPIP\mu C\bar{H}C \dots PSC - C, C - P \gg P^\circ$.

$P\bar{h}PSPrP^\circ PSC\bar{I}P\mu C, C\bar{H}PsPS$ $C\bar{I}P \gg C - Pr$ $PIPIPsPrP\bar{e}C, P\bar{e}$ $P \pm P\mu P \cdot PiPsC\bar{I}P\mu C\bar{H}P\mu PrPSC\bar{H}Ps$
 $PiP\mu C\bar{H}P\mu Pr$ $C \dots C - PjC - PsC, P\mu C\bar{H}P^\circ PiC - C''C\bar{H}$ $C\bar{e}P \gg C\bar{I}C \dots PsPj$ $PsPrPSPsC\bar{H}P^\circ P \cdot PsPIP\bar{e}C -$
 $PIPSCrC, C\bar{H}C - C\bar{e}PSC\bar{H}PsPIP\mu PSPSPsC - C - PS\bar{B}\bar{H}^{\text{TM}}$ $C''PeC\bar{I}C - C - Cr$ $PrPsP \cdot C - 0,15$ $PjPi/PePi$.
 $P'PSCrC, C\bar{H}C - C\bar{e}PSC\bar{H}PsPIP\mu PSPSP^\circ$ $PrPsP \cdot P^\circ$ $PSP\mu$ $PjP^\circ C''$ $PiP\mu C\bar{H}P\mu PIP\bar{e}C\%CrPIP^\circ C, P\bar{e}$ 8 $PjPi$.
 Pj $PiP\mu C\bar{H}C\bar{e}P\bar{e}PN\bar{e}$ $PrP\mu PSCH$ $PjPsP\bar{I}PSP^\circ$ $PIPIP\mu C\bar{I}C, P\bar{e}$ $C\%P\mu$ 2
 $PIPSCrC, C\bar{H}C - C\bar{e}PSC\bar{H}PsPIP\mu PSPSC - PrPsP \cdot P\bar{e}$ $P \cdot 4 - PiPsPrP\bar{e}PSPSP\bar{e}Pj$ $C - PSC, P\mu C\bar{H}PIP^\circ P \gg PsPj$.
 $P\bar{s}P\mu C\bar{H}P\mu P \cdot 12$ $PiPsPrP\bar{e}PS$ $PjPsP\bar{I}PSP^\circ$ $C\bar{H}PsP \cdot PiPsC\bar{I}P\bar{e}PSP^\circ C, P\bar{e}$ $PiP\mu C\bar{H}PsC\bar{H}P^\circ P \gg CH\bar{P}SP\mu$
 $P \cdot P^\circ C\bar{I}C, PsC\bar{I}CrPIP^\circ PSPSC\bar{I}$ $PiC\bar{H}P\mu PiP^\circ C\bar{H}P^\circ C, Cr$, $C\bar{I}PeP\mu$ $PjPsP\bar{I}P\mu$ $C, C\bar{H}P\bar{e}PIP^\circ C, P\bar{e}$ $C\%P\mu$ 5
 $PrPSC - PI$ ($PrP\bar{e}PI$. $C, P^\circ P \pm P \gg P\bar{e}C\bar{I}C\bar{H}$ 2). $P - P^\circ PiP^\circ P \gg CH\bar{P}SP^\circ$ $PrPsP \pm PsPIP^\circ$ $PrPsP \cdot P^\circ$
 $(C\bar{H}PsP \cdot PiPsPrC - P \gg P\mu PSP^\circ$ PSP° $PiC\bar{H}P\bar{e}PN\bar{e}PsPjP\bar{e})$ $PSP\mu$ $PiPsPIP\bar{e}PSPSP^\circ$
 $PiP\mu C\bar{H}P\mu PIP\bar{e}C\%CrPIP^\circ C, P\bar{e}$ $PrPsP \cdot Cr$ $PrP \gg C\bar{I}$ $PrPsC\bar{H}PsC\bar{I}P \gg P\bar{e}C \dots$ 32 $PjPi$.

$P\bar{y}P^\circ P \pm P \gg P\bar{e}C\bar{I}C\bar{I}$ 2

$P PsP \cdot C\bar{H}P^\circ C \dots CrPSPsPe$ $PrPsP \cdot P\bar{e}$ $P \cdot PiC - PrPSPs$ $P \cdot PjP^\circ C\bar{I}PsC\bar{H}$ $C, C - P \gg P^\circ$ $PrP \gg C\bar{I}$ $PrC - C, P\mu PN\bar{e}$
 $PIC - PePsPj$ $PIC - Pr$ 6 $PjC - C\bar{I}C\bar{I}C\bar{I}C\bar{I}C - PI$ C, P° $PiC - PrP \gg C - C, PeC - PI$

$P\bar{H}P^\circ C\bar{I}P^\circ C, C - P \gg P^\circ$	$P''P\mu PSCH$ 1 ^($P^\circ, P^\pm$)	$P''P\mu PSCH$ 2 $\bar{B}\bar{H}$ "6" ^($P^\pm$)
≤ 10 $PePi$	$P''Ps$ 3 $PrPsP \cdot 0,15$ $PjPi/PePi$ $PePsP\bar{I}PSC - 4$ $PiPsPrP\bar{e}PSP\bar{e}$	$P\bar{Y}P\bar{e}C\bar{H}PsPi$ 2 $PjPi$ $PePsP\bar{I}PSC - 12$ $PiPsPrP\bar{e}PS$
> 10 $PePi$	$P''Ps$ 3 $PrPsP \cdot 0,15$ $PjPi/PePi$ $PePsP\bar{I}PSC - 4$ $PiPsPrP\bar{e}PSP\bar{e}$	$P\bar{Y}P\bar{e}C\bar{H}PsPi$ $P^\circ P \pm Ps$ $C, P^\circ P \pm P \gg P\mu C, PeP^\circ$ Cr $PrPsP \cdot C -$ 4 $PjPi$ $PePsP\bar{I}PSC - 12$ $PiPsPrP\bar{e}PS$

P° . $P'PSCrC, C\bar{H}C - C\bar{e}PSC\bar{H}PsPIP\mu PSPSP^\circ$ $PrPsP \cdot P^\circ$ $PSP\mu$ $PiPsPIP\bar{e}PSPSP^\circ$
 $PiP\mu C\bar{H}P\mu PIP\bar{e}C\%CrPIP^\circ C, P\bar{e}$ 8 $PjPi$.

$P^\pm$. $P - P^\circ PiP^\circ P \gg CH\bar{P}SP^\circ$ $PrPsP \pm PsPIP^\circ$ $PrPsP \cdot P^\circ$ $PSP\mu$ $PiPsPIP\bar{e}PSPSP^\circ$
 $PiP\mu C\bar{H}P\mu PIP\bar{e}C\%CrPIP^\circ C, P\bar{e}$ $PrPsP \cdot Cr$ $PrP \gg C\bar{I}$ $PrPsC\bar{H}PsC\bar{I}P \gg P\bar{e}C \dots$ 32 $PjPi$.

$$PuP^{\circ}C\uparrow C-C''PSC,PeP\cdot PSP\ddot{e}C\uparrow PePsPIPsC\uparrow PSP\mu PrPsC\uparrow C,P^{\circ}C,PSC-C\uparrow C,C\uparrow$$

$P\ddot{Y}P_{\mu}C\ddot{H}P_{\mu}Pr$ $PiC\ddot{H}PsC\ddot{I}PI C-PI$ $PiP_{\mu}C\ddot{H}P_{\mu}PrPsP\cdot C\acute{r}PIP^{\circ}PSPSC\ddot{I}$ $PiPsPIC-PrPsPjP\gg C\ddot{I}P\gg PsC\acute{I}C\ddot{H}$
 $PiC\ddot{H}Ps$ $C,P^{\circ}PeC-$, $C\ddot{I}Pe$ $P\cdot PsC\ddot{H}PsPIC-$ $C\ddot{H}PsP\cdot P\gg P^{\circ}PrP\ddot{e}$, $P\cdot P^{\circ}PiPsC\ddot{H}$ $C,C\ddot{I}P\P PePsPiPs$
 $C\acute{I}C,C\acute{r}PiP_{\mu}PSC\ddot{I}$, $PiC-PiPsC$, $P_{\mu}PSP\cdot C-C\ddot{I}$, $PIP^{\circ}P\cdot PsPIP^{\circ}PiP^{\circ}P\gg C\ddot{H}PSC-$ $PiC\ddot{H}PsC\ddot{I}PI P\ddot{e}$ $C-P\cdot$
 $C,C\ddot{H}P^{\circ}PSP\cdot P\ddot{e}C$, $PsC\ddot{H}PSPsC\ddot{H}$ $P^{\circ}C,C\ddot{H}C-PsPIP_{\mu}PSC,C\ddot{H}P\ddot{e}PeC\acute{r}P\gg C\ddot{I}C\ddot{H}PSPsC\ddot{H}$
 $P\pm P\gg PsPeP^{\circ}PrPsC\ddot{H}$ $P\ddagger P\ddagger$ $C\acute{I}C,C\acute{r}PiP_{\mu}PSC\ddot{I}$.

PhPSPPrP°PSCÍPµC,ChPsPS PíPsPrPsPIP¶CíC” C-PSC,PµChPIP°P» QT P·P°P»PµP¶PSPs PIC-Pr
PrPsP·Pë. PJ ChP°P·C- PíPµChPµPrPsP·CíPIP°PSPSCÍ ChPµPePsPjPµPSPPrCíC”C,ChCÍCÍ
PíChPsPIPµPrPµPSPSCÍ P·PµP”-PjPsPSC-C,PScHjPëSPiCí.

P”C-C,Pë

PµPsPIC-PrPsPjP»CÍP»PScÍCÍ PíChPs PIPëPíP°PrPePë CÍPµChPsC,PSPSC-PSPsPIPsPiPs
CÍPëPSPPrChPsPjCí Cí PrC-C,PµPNë PíC-CÍP»CÍ PSPµPSP°PIPjPëCÍPSPsPiPs
PíPµChPµPrPsP·CíPIP°PSPSCÍ PsPSPPrP°PSCÍPµC,ChPsPSCí PíPµChPsChP°P»ChPSPs
(PíPµChPµPIPëC%PëP»P° ChPsP·ChP°C...CíPSPePsPICí PrPsP·Cí 4 PjPi/PePi) Cí
PSPµPjPsPIP»CÍC, C,P° PrC-C,PµPNë PIC-PePsPj PIC-Pr 12 PjC-CÍCÍC†C-PI PrPs 2 ChPsPeC-PI.

P>C-PeCíPIP°PSPSCÍ

PŸPíPµC†PëC,,C-C†PSPsPiPs P°PSC,PëPrPsC,Cí PSPµ C-CÍPSCíC”, C,PSPjCí Cí
PIPëPíP°PrPeP°C... PíPµChPµPrPsP·CíPIP°PSPSCÍ PSPµPsP±C...C-PrPSPs
P·P°CÍC,PScÍPsPICíPIP°C,Pë CÍPëPjPíC,PSPjP°C,PëC†PSCí C,P°
PíC-PrC,ChPëPjCíPIP°P»ChPSCí C,PµChP°PíC-Ch.

P—P°CÍC,PScÍCíPIP°PSPSCÍ C-PíPµPeP°PeCíP°PSPë PrP»CÍ P>C-PeCíPIP°PSPSCÍ
PíPµChPµPrPsP·CíPIP°PSPSCÍ PsPSPPrP°PSCÍPµC,ChPsPSCí PSPµ
ChPµPePsPjPµPSPPrCíC”C,ChCÍCÍ, PsCÍPeC-P»ChPePë C—C— PrC-CÍ PSPµ PjPsP¶Pµ
PIPëCÍPIPëC,PëCÍCÍ C†PµChPµP· P°PSC,PëPµPjPµC,PëC†PSPëPNë PIPíP»PëPI
PsPSPPrP°PSCÍPµC,ChPsPSCí.

PµPsP±C-C†PSC- ChPµP°PeC†C-C—.

PµPsP±C-C†PSC- ChPµP°PeC†C-C—, PSP°PIPµPrPµPSC- PSPëP¶C†Pµ,
PeP»P°CÍPëC,,C-PePsPIP°PSC- P·P° PsChPiP°PSP°PjPë C- CÍPëCÍC,PµPjP°PjPë C,P° P·P°
C†P°CÍC,PSc,PScH PIPëPSPëPePSPµPSPSCÍ. P—P° C†P°CÍC,PSc,PScH PIPëPSPëPePSPµPSPSCÍ
PíPsP±C-C†PSC- ChPµP°PeC†C-C— ChPsP·PíPsPrC-P»PµPSPs PSP° C,P°PeC-
PeP°C,PµPiPsChC-C—: PrCíP¶Pµ C†P°CÍC,Ps (≥1/10), C†P°CÍC,Ps (≥1/100 C,P° <1/10),
PSPµC†P°CÍC,Ps (≥1/1000 C,P° <1/100), ChC-PrPePs (≥1/10000 C,P° <1/1000), PrCíP¶Pµ
ChC-PrPePs (<1/10000). P”CíP¶Pµ C†P°CÍC,C-, C†P°CÍC,C- C,P° PSPµC†P°CÍC,C-
PíPsP±C-C†PSC- ChPµP°PeC†C-C— P±CíP»Pë P·P°PíP°P»PsPj PIPëCÍPIP»PµPSC- Cí
PeP»C-PSC-C†PSPëC... PrPsCÍP»C-PrP¶PµPSPSCÍC.... P C-PrPeC- C,P° PrCíP¶Pµ ChC-PrPeC-
PíPsP±C-C†PSC- ChPµP°PeC†C-C— PI PsCÍPSPsPIPsPjCí P±CíP»Pë PIPëCÍPIP»PµPSC- Cí
PíC-CÍP»CÍChPµC”CÍC,ChP°C†C-PNëPSPëPNë PíPµChC-PsPr.

PµChPsC,,C-P»Ch PíPsP±C-C†PSPëC... ChPµP°PeC†C-PNë Cí PrC-C,PµPNë C,P°
PíC-PrP»C-C,PeC-PI P±CíPI C,P°PePëPj P¶Pµ, CÍPe C- Cí PrPsChPsCÍP»PëC....

P— P±PsPeCé C-PjCéPSPSPsC— CÍPëCÍC,PµPjPë: ChC-PrPePs bH” ChPµP°PeC†C-C—
PíC-PrPIPëC%PµPSPsC— C†CíC,P»PëPIPsCÍC,C- PSPµPiP°PNëPSPsPiPs C,PëPíCí, C-PSPePsP»Pë
C,CÍP¶PeC-, P°P¶ PrPs P°PSP°C,,C-P»P°PeCÍC-C—.

P— P±PsPeCé PSPµChPIPsPIPsC— CÍPëCÍC,PµPjPë: PrCíP¶Pµ C†P°CÍC,Ps bH”
PíPsP»PsPIPsPëPNë P±C-P»Ch; PSPµC†P°CÍC,Ps bH” CÍCíPrPsPjPë, ChCíC...PsPIC-
PíPsChCíC¶PµPSPSCÍ (PIPeP»ChC†P°ChC†Pë PµPeCÍC,ChP°PíC-ChP°PjC-PrPSC-

PJPjPsPIPë P·P±PμCḦC-PiP°PSPSCЦ.

P—P±PμCḡC–PiP°C,Pë PïCḡPë C,PμPjPïPμCḡP°C,ĆCḡC– PSPμ PIPëC‰Pμ 30 B°PŸ PI
PsCḡPëPiC–PSP°P»CḤPSC–PN̄ ĆPïP°PePsPIC†C–.

P—P±PμCḡC–PiP°C,Pë Ć PSPμPrPsĆC,ĆPïPSPsPjĆ PrP»Cḡ PrC–C,PμPN̄ PjC–ĆC†C–.

PJPïP°PePsPIPëP°.

PμPs 10 C,P°P±P»PμC,PsPe Ć P±P»C–ĆC,PμCḡC–, PïPs 1 P±P»C–ĆC,PμCḡĆ PI
PeP°CḡC,PsPSPSC–PN̄ ĆPïP°PePsPIC†C–.

PḡP°C,PμPiPsCḡC–Cḡ PIC–PrPïĆĆPeĆ.

P—P° CḡPμC†PμPïC,PsPj.

P’PëCḡPsP±PSPëPe.

PḡP°PSPëP°PN̄PSP† PᄋP°CḡPjP° P>C–PjC–C,PμPr, P®PSC–C,-II.

**PḡC–ĆC†PμP•PSP°C...PsPrP¶PμPSPSCḡ PIPëCḡPsP±PSPëPeP° C,P° P°PrCḡPμĆP°
PjC–ĆC†Cḡ PïCḡPsPIP°PrP¶PμPSPSCḡ PN̄PsPiPs PrC–CḡP»CḤPSPsĆC,C–.**

P’C–P»PμPrP¶ PḡC–C€P°PSPiĆCḡP°, Pμ.Pḡ. P”P¶P°PjPSC–PIP°P»P°, PŸPμC...ĆC–P»
PμP°PsPSC,P° PŸP°C...C–P±, P”C–ĆC,CḡC–PeC, PŸC–CḡPjPsĆCḡ 173025, PḡC–PjP°C‡P°P»
PμCḡP°PrPμC€, P†PSP†C–Cḡ.

P—P°CḡPIIPSPëPe.

PḡPḡP PᄋPḡP PḡPḡ PᄋP—P>P>PŸ

AAR PHARMA FZ-LLC

PḡC–ĆC†PμP•PSP°C...PsPrP¶PμPSPSCḡ P•P°CḡPIIPSPëPeP°.

PμCḡPëPjC–C‰PμPSPSCḡ 702, 7-PN̄ PïPsPIPμCḡC..., P’ĆPrC–PIP»Cḡ: P”C–P•ĆPŸC–
PŸP°ĆPμCḡ, Pï/Ć вḡ“ 478837, P”ĆP±P°PN̄, PḡP±вḡ™C”PrPSP°PSC– PḡCḡP°P±ĆCḤPeC–
P•PjC–CḡP°C,Pë.

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