Synopsys$î"•#° (Í Ü Wô@b>>!ï

2015. 12*6°*155*•*

Synopsys2'Z¦ • ZÃ_û/_F,5a.·M;A‡9 "• p»&^; p»µ m! # ™$‰°Z5FÇ, WôÁ ³2'Z¦ p»1¹ ¹F,$î"•#° (Í Ü 1q"R"C ` +0#´9ËF,_û/_9Á>> ä1¹ ¹B!; M•+"_Á ¥ ì $î"•#° (Í ÜWô@b>>!ï íp» -´6Ã ÎY);ê1è6± Synopsys$î"•#° (Í Ü&ÐQ¯ 1¾ ‹SynopsysM;A‡9 "•6Çe;` +0_Á C>>!ï ä

1¹ ¹auY>ZH ‰pQœ"C •; Hb5a.·M;A‡9 "•p»-´6Ã ÎY);ê eK ³ _Á9Ë ä&ÐeK ³Q¯Synopsys9 "•e„ j2©N46Çe;` +0 6ÔWô@b>>!ïX Hâp»eK ³2'Z56±OQ"•'-2© ÎMUSynopsysF,2'Z¦p» •6±_û/_F,5a.·M;A‡9 "• äZsHb …eK ³@b Synopsys9 "•F–F,P Zs1¾ ™DÐF,1è6±-• b$‰&ïGUY‹6ÔWô@b>>!ï •#r6Ô>>!ïF, £ ý –4áAð1¾6œ5XAð ä

1¹ ¹auY>Q¯eK ³F,#° e„ jp» 0ÇZÅeK ³$41¹ ¹ ¨] +¯ZH ‰O 5di> õ ä

6 K D Q p H < : 1 H O V R Q
" MåXi
_û/_Q¯#°Y7MåF‹

$î"•#° (Í ÜWô@b>>!ïKÉ s

$î"•#° (Í ÜWô@b>>!ï p· ì >>!ï íp¸ 5× ¨ ¥]—M,&¾℘»2¯+¶ $î"•#° (Í Ü •; Hb5a.·M;A‡9 "• ä$4 M;A‡9 "•X Hâp»#¬$î"•#° (Í Ü#´0·&Đ £ ý#r1è6±0m<i ³&ï` +0 6Ô>>!ïp»'-2©2±6¨j€_û/_9Á>>Wô 3 ä

6Ô>>!ï` DĐ5d$î"•#° (Í Ü

6Ô>>!ï` DĐ5d

2±6¨j€_û/_9Á>>M;A‡9 "•

#uPø4ÿ$4#u\l\j

-´6Ã@b1¾Q¯ -• F,$î"•#° (Í Ü3IDÐ#°C®1ó;]_·_ö` E KI_ûM;A‡9 "• ä &Ð 7x C&Ø"èp»\l\j óh Pø4ÿC¦\ &Ð9 "•M;A‡ Õ/0-àY3 p»# g)*; p» µP¥_Á9ËM;A‡9 "• äPø4ÿ#—-Þ . µ! . !ÑFr p»GÜ(†L£M #—g /Ï ä Y);ê;w ³ b`¥` +0Y7!ï p» •; ü4, ²hP ä

¨QÔPø4ÿ

ì Pø4ÿí _Â-à2¯_·_ö µE 1¾g <}1ó;]C #~1¾Z &¾C #~ ³ b)%Uý1¾9 "•!ÑFr äPø4ÿ#—=1#r €:æ 1¾ L3ƒì £ ý6± ¡B í ä++"-2”\l\j ã"zLÊ1¾5 Yø •#r&†2 äPø4ÿWô@b µ m_ý#u6Ô>>!ïp»

p»

@b5¶Hb] Yþ» I); &Ð 9 "•M;A‡&³_ÚWô £ ý\l\j äeK ³ µ/?@b • ³F–F,#¹
£ ý b3x C £ ýIV$i ã2ƒ/-1¾ £ ý6± ¡B pÉ

• µE 5a.·C /?1¾ …E 9 "• pÊ
+µ$î9 <"Jþ5e"H µE / g§ pÊ1¾
C #~ µ! . !ÑFr ä

IV$i ã5mWô ã2ƒ/-$4! ~3P.‹\c
3x C$43M#•IV$i#r2ƒ/-#— •5×F$+ý9 "•e„ jF,Iõ9 1ó;] p» î/mg°Zá0ö 'DÐ p» Î_óDÐR)%F,!Ì
5_"C ä_ÁX Hâ; h IV$i / 2ƒ/- µ/?/ g§ £ ý bF,9 "•!Ì5_"C1¾+JYh/Ï p» µ/?/ g§! +µ ™ ã
F,/ˆZH1¾OQ"• ä

@b1¾ ‹ -• 5ê p»$î"•#° (Í Ü#—` 4o3x C1¾3M#•IV$i / 2ƒ/- p»!õ3x5×Z IV$i / 2ƒ/- ¡
ä µj€ Î µ5×C¦ay ä; h IV$i / 2ƒ/-/mg°#°<} p· 3)* µ/?0·&¾\l\j1¾DÐ &†2 1¾6±\l\j1¾&†
2 ó*t p¸ ä; h IV$i / 2ƒ/-_Â-à1q` +0E &Ø9 "•1 3 p» î&Ø5a1 3Q¯; Uý1è_˜ ó#G!ïX J)5ê
f (¾ ä

7á4, F,4çJþ$46Ô>>!ïp»#¹4ç.D+@$‰3x CF,; E IV$i ã2ƒ/-1¾! ~3P.‹\c µ îY) ¡ ä
µj€ Î µ5×C¦ayp»O´ ¼ ;w. 3x CF,:É5 µ/?]-_ö! :É pÊ 6ÒM; _û/_Q¯#°Y7MåF‹
3 ð6 g 2!!n p»&ÐB!+B+°7ð1¾+‘2!/-<"6Çe; µ/?#¹F e„+@$‰3xpÊ•#r µ/?DÐIi b\oay
g¸ € ä

E7_Â\c
ì E7_Â\cí 2¯#¹ öLÂ4ç.D+@$‰4× €F,+·gõ:æp»0·&Ð"H/“4ç.D-àY7-• F,UýC®_Ç.N1¾Hb …!
, Wôp» 3)*5/ žUýC® ä µZ~5×#Î#°<}1¾5×#Î&ÐB!+B&³+p» &ïI); 4× €E7_Â\c ä

4× €M 4ç.DF,#°<}:æg-
Îg 1è6±4× €M 4ç.DF,:æg-`¥6±$÷gô1¾, g <} €:æ ä 3)* p»#—&Ð; -à9 "•_öI³ Õ#¹4ç.D:
9s €:æp»"-2”N LµI-:æ1¾4ç.D: 9s5×+J1Þ1¾ C1q$î ä µ_öp»#¹B!+B4ç.D+@$‰ €:æhPfR/0
j€ p»eK ³/mg°9 ! Zá0ö Î m` A 6Ô>>!ïWô 3 ä

._Q¯+1! €:æ

&Ð9 +¹5 0m<i ³ p»#—P¥6±/mY)#¹4ç.D+@$‰p6:æõ ³ b ._ ã+1! 1¾Q’DÙ#•!Ø)©P- ä&ˆ@b

, 5d 3(¾0m<i p»; h €:æ µ_ý#u6Ô>>!ï óY7+B ä

YÀb¬ …+

#¹4ç.D+@$‰F,1è6± €pæ µZ~Fœ3M`,5×e;3M¸ ¥/mg°>>Hb&ØYÀb¬&Ð$î"•#° (Í ÜF,\”!2$4YÀb¬

Õ ä

JÔ ±5a

1è6±$î"•#° (Í Ü&ÐP DÐJÔ ±5a ó!õ`¥/mg°e3+ýF‰P Zg7• ä_ÁX HâeK ³Y)!Þ+B!Þ.N1¾<ép³»

Hb …#’P DÐ6±_û/_F,JÔ ±5a p» Î2©N43IDÐ)M%,5a.·F‹3OQ¯JÔ ±5aF,e„ j ä

! . JžAÕ

&Ð1è6±9 "•&Ø"è$4&³+^&ïIõ9 #kQ¯JžAõ p» •! . 5a.·AÕ#~+J1Þ p»1¾O-Hb … C1q$î •!

. 5a.·AÕ#~ 9 "• äJžAÕ<} p· 6±5ê#pXSIÙ@b#u(‡5 p<}&ˆ&³O´E p» î`¥I); &Ð+µ=0\cO-

<:6± £ ý)%UýF,0m<i ³@b=Ã+¹JžAÕO´_ü1¸"ü+B1¾3I#~Wô"} ä_ý#u; h <} 39s1¸&\au$÷p»ô

$4Q¯ M;A‡9 "•F,! ~5a#—P¥Y)` !Ø&\#ZF,!¹ 3UýO ä

µ! . ¼g <}F,JžAÕ#—P¥6±/0(ÂIÖ äQ¯JžAÕ+µ1ó óe;F,>E_Â, 5dhPfR6¨(ÏF, ¨IÖ0m<i ä

$4JžAÕ+µ1ó óe;F,#°<}>E_Â/0-àYp3» #—DÊDÇIõ9 4ð7D p» 3)*Hæ L<ã"} ã\g5»+ý6«1¾

KåO #°\o ©9 "ü+B ä µ_ö p»$4JžAÕ+µ1ó>E_Â5ã p»ô f SEW U<i ³@f 9 "• äJžAÕ< w/îÌÕfŠ`H • .BØ@p»

KåO #°\o ©9 "öîÌÒ09 .°‹p»

O´ ½p»$4 +J1Þ1û L_û5ê»eK ³1qE Må5»pÉ

)*+Ž sLá 6µ"•$4DÊ$ipÊ
`' õ µ! . 1¾:âiÁ/ÏF,\g5»Wô@b pÊ
5¶Hb [_ü b_$ÖY°EpÊ$4
ôC¦2'Z¦ ä

` +0\g5»<} 3

#¹! C«+J1Þ3x C6µ"•p»&^; ! DÊ$i ãIy2(ã\o5A$46µ"•/mg°` +0#¬h !¢#‹KI!Þ ãM; ?‡!ÞXi ã_Ú#‹ ã= e„$4! ~\g5»#°Y7<} 3 ä

!¢#‹KI!Þ$4\g5»#°Y7<} 3#—eø!Þ1¾l); #¹7x C&Ø5a ã: 9s$4 ³ b^ñ[; DÊ$i$4Iy2(p» "-2”Fœ3M1¾e;3M>8Q’ DÊi4Iy2(F,DÊ$i ä 3)*p»&\I)#¹#Œ-œ ã ²6¿ ã"¿6ÅkV ãU¯ á ã5 !Ñ F$4@w óUÕ óatL F&Ø"è^ñ[; £ ýDÊi4Iy2(ä`,6± p»&Ð! ~YÙ(Â&³+ºp»/mg°i> ð#~/?4ç.DYÙ#—5a#—^ñ[;#•KI!ÞF,B!+BDÊi4Iy2(ä

DÊ$i1¾Iy2(F, 'DÐ5a.· p· ì 6¨LêDÐ_½p¸ #—P¥#•eø Î/ g§b_$Ö ä 3)* p»6¨LêDÐ5d^u 3F,DÊ i4Iy2(/mg°` +06±e„b_$Ö ãC #~ ã>E_Â$4YÀb¬ …+ 5ag F,&\7ä2¯.½ ä!¢#‹KI!Þ<} 3F,=1#r g /0+” p»` DÐ5dpÉ

3MY 7xIÖDÊ$i1¾Iy2(F, b(“R•@bB!+B&³+^ ó! ;¹p· 3)* ²6¿ p¸p»# 'Z b(“ Î6Ò O ^S5dZ &³; h <} 3 ` DÐ pÊ
5mWô5ê+¯#•KI!ÞDÊ$i1¾Iy2(-Þ! 7x&³(+!p»# 'Z DÊ$i1¾Iy2(Î6ÒQ¯ £ ý! ~ b ! DÐpÊ$4
•V 4”5a.· [^à#•KI!ÞF,DÊ$i1¾Iy2(p» 3)*!ÑDÐf£`• ãf£Z 1¾_·_ö ³^Ë€îÁø ` &þ± Æ+Ü± 1ø

i19`t.^± ³29v . ã ä'“¶ .3 à. -ƒ[€.b½ÎìÍ" +3#—a–ñ i„D&>ìÍ2 . 3

ì …+n\oY²í 2¯ µ/?#¹! Fæ2SfÚF, £ ý\oY² p» 3)*+J1Þ#µ%V ã+B ¡JþE ãWôb_Y°E ãLìMüLø 9s&¾$4 ™$‰\o5A ä6± C …+n\oY²F,1è6±O-5× p»6± C …+n\oY²F,1è6±O-5×! ~5æ· 3)* F,+J1Þ1¾! ~#° (Í Ü p¸ äeK ³/mg° …[LM eK ³1¾eK ³ @b $î"• #° (Í ÜC /?F,1è6± …+n\oY² p» µZ~5× `,5×+J1Þ1¾#° (Í ÜF, …+n\oY² äeK ³#'P¥7á 4, 1¾; h +J1Þ1¾#° (Í ÜF,30:² 'DÐ; h …+n\oY² p» Î µ/?Q¯ £ ý6ÒM;30:²O-! DÐ ä eK ³ …[; h …+n\oY²F,OQ"•&ÐeK ³Q¯ F,9 "•e„ jLê; /4 u2©N4+ &Ð ä

ì 6"1 \IDÊ í 5×+µ" 0·1¾<él³F,#°<}1è6±:² p»_Â-àM;DÙ+°!Ñ1¾Að:²C /? ä_Á! Õ"-2”>¼K? <} ã sg ãDÊ$iLø9s$4>8 ‹Hd1¾F–9Á ‹Hd ä6± C6"1 \IDÊ 5× …+n\oY²p»1q2± …+n\oY²Uý C® ä`,6± C6"1 \IDÊ#—#¹! Fæ3x C ä µ_öp»1è6±6"1 \IDÊ`¥1q"H • …[p»# •1è6±O-30:²F, 5a.· 'DÐ ä$î"•#° (Í ÜR•6±:² 'DÐ 6"1 \IDÊ1¾ 1¾! P A‡! # 3x CF,! ~ 6"1 \IDÊp»/mg°` +0$î"•#° (Í ÜQ¯ 1¾ P A‡! # KåYªF,"ü[ä

@b …[$î9ÁF, ¡ ä$4P [% p» !Þ+B . ¨ C2¯.½ p»! j|ZR5¶1q)* ý •#r&Ð ý5ê 'DÐ $î9Á ä$î"•#° (Í Ü&Ð 'DÐ $î9Á$4$iAô5ê/mg°` +0 $î9Á2¯.½ ä

`' õ! -ý L5»

+µ! &ÐO6&³Zñ!à<} 3g- ³F,\T £"é!®auY> p» ÎY);ê$î"•#° (Í Ü _Á9Ë äeK ³ #'P¥&Ðau(Ïg ! e3\oY² p·6±5ê#p#“ì ! -ý\oY² íp¸ ; .·! e3/4 'DÐ1¾2SfÚ; h \oY² p»# ' eK ³ 3!õ-š/?G• µ 3(¾ äJÎ#° • ³8E žF,\oY²9s1¸ ì au(Ïg ! e3\oY² ípÉ

+Â6Ò#¹! Fæ.‹<ƒ [4UpÊ$4
C®6"2=\oO-#—P¥Z5@bauY)F,\p»#—4,; !¢__Ú1¾\‹!¢B!+BZñ!àF,<"+B ä

eK ³Q¯ 9 "•e„ j2©N46Çe; p»eK ³ YÙP¥C /?6±e„ 1¾! ~! # F,! -ý\oY² äeK ³6±OQ"•@b; h \oY² …+np» Î µ/?7á4,; h ! -ý\oY²_\‹ £ ýZñ!à äh äF, p»eK ³ £ ý5ê Á `¥ µ/?3x CPII \oY² p»1¾Q¯#—P¥ 'DÐ; h \oY²_\‹PII F, £ ý! ~ b(“!® S! -ý\oY² ä

!ÑFrX J)2SfÚY7+B

I); 'Ù/Q

£ ýa…+µZH+ŽQ±'Ù$÷gôO-+Ž5eF,1û4r'Ù/Q`¥9s1¸_ý#u6Ô>>!ï$4<} 3 ä µ/?&ˆ@b £ ý bZH+ŽQ± 'Ù$÷gô1¾#kQ¯Zg7• g+µ! 3I#~ µ!ÑWô'þ»"-2” î µeø5dfŠP ãeõP ã)©P- ãiß4¦1¾; Y> ä$î "•#° (Í Ü1q#¹-• b$‰ [_üF e„<éI³ p» C! Q±'Ùe„<• 3g- p» µ/m4|/k` !Ø1û4r'Ù/Q ä

Q±'Ù$÷gô$4e„<• 3g-

$î"•#° (Í Ü1q#r5ê3x!¢_û/_$4#°Y7$÷gô p» ÎJs# Q±'Ù/ g§ ã! P A‡! # ã-• b $‰ ã+J1Þ1¾#° (Í ÜF,E9 ä µ_û/_ ãg <}1¾#—E9Wô@b ä)*7DeK ³1ŸE96± b6±g <}1¾ µ_û/_ Wô@þ»Zs(ÏQeZR!¢ . ä • ì e34æá 4çJþ+µ/-eK ³3x!¢F,$÷gô p»"-2”Q¯9 "•Wô@b$4_û /_6±e„F,$÷gô ä

Y)Q±'Ù £ ý 3 ž p»eK ³#— •$4 <}"•`•F, £ ý bP M ä&Ð<} 3 éYÙF,0m<i ³p»eK ³`, #— •fP5ê!ÑDÐ 3•F$ b …[AYM,M, ²"ç#µQ±'Ù £ ý 3 žp»F#! F,JÔ ±5a_û/_ $÷gôQ±'ÙL£M # #—p»&Ø&è5×pÉ

$î"•#° (Í ÜWô@b>>!ï3M4Þ&†'Ÿ

p· • ³KÉIÙ ì $î"•#° (Í Ü íp¸ B!; P 5¶ p»!
-š4Þ!Ø ÎeY[(. 6° 5•Að ì $î"•#° (Í ÜWô@b>>!ï íp· ì >>!ï íp¸ ä

KåO 6Ô5/ žX Hâ»$î"•#° (Í ÜGUY‹ Î#´0·` +0! 8E:æ ä

; (¾ p»$î"•#° (Í Ü`,2'Z5 p»_ý#u6Ô>>!ï1¾ µ_û/_F,Wô@b#—9s1¸! Q¯ óe;$î"•#° (Í Üe„ jLê; 1¾ µ!5N4L¬F,C®DÙ ä

! # pÉ_____

Kå#µpÉ_____

-•5){#µ pÉ