# ACADEMIC POLICIES AND PROCEDURES

! ""#\$%%&&&'()\*'+, \*%(+-./0+(%-+1/("-2-%02"2)31%45

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```
, *-/<1:>/<2):+U29:&++Mm:"!+:R+2<:9*(":2##-3.+:
+U0+#"/3<(':020*)"@:&/)):2,9/</("+-:>/<2):
+U29/<2"/3<(:2003-,/<1:"3:"!+:(0!+,*)+:>3-:
>/<2):+U29/<2"/3<(:>3*<,:2":
!""#$%%-+1/("-2-'()*'+,*':
```

- $\begin{array}{l} \mathsf{K: } \mathbb{N}{>}:2:("*, +<":! 2(:"! -++:>/<2):+\mathbb{U}29/<2"/3<(:\\ (0!+, *)+, :>3-:"! +:(29+:, 2@?:2:-+\mathbb{A}*+(":"3:\\ \#3("#3<+:"! +:+\mathbb{U}29/<2"/3<:(0!+, *)+, :/<:"! +:\\ 9/, , )+:92@:=+:92, +':020*)"@:&/)):1/.+:+.+-@:\\ 03<(/, +-2"/3<:"3:"! +:("*, +<"J(:-+\mathbb{A}*+("':$
- $$\begin{split} & \mathsf{K}\colon \mathsf{D}<:2\,,\ 2<0+:2^*\,!\,3-/\mathsf{W}2^*/3<:>3-:\,+>+--/<1:"\,!\,+:\\ & "2\mathsf{M}/<1:3>:2:>/<2):+\mathsf{U}2\,9/<2^*/3<:9\,2@:=+:1/.\,+<?:=*\,":\\ & 3<)@:-2-+)@:2<\,,:>3-:(+-/3^*(:-+2\,(3<(:\mathsf{F}+'1')?:\\ & 9+,\,/02):3-:-+)/1/3^*(1':\mathsf{B}\,!\,+:("^*,\,+<":9^*(":-+\mathsf{A}^*+(":")^*(":++*)/2):\\ & "!\,+:\,,\,+>+-2):/<:\&\,-'''/<1:/<:2\,,\,\,2<0+:3>:"\,!\,+:>/<2):\\ & 2<\,,:-+0+/.\,+:\#+-9/((/3<:>-3\,9:"\,!\,+:\mathsf{N}<("-*\,0"\,3-':\mathsf{B}\,!\,+:\\ & \mathsf{R}+2<\mathsf{J}(:\mathsf{P}>>/0+:9^*(":2)(3:=+:<3"/>)/+,\,': \end{split}$$
- K: B! +:)2(":+U29/<2"/3<:/<:2:03\*-(+:9\*(":=+:1/.+<: ,\*-/<1:>/<2):+U29:&++Mm:"!+:R+2<:9\*(":2##-3.+: +U0+#"/3<(':020\*)"@:&/)):2,9/</("+-:>/<2): +U29/<2"/3<(:2003-,/<1:"3:"!+:(0!+,\*)+:>3-: >/<2):+U29/<2"/3<(:2(:#-/<"+,:/<:"!+:;0!+,\*)+:3>: S)2((+(:#\*=)/02"/3<':B!+:>/<2):+U29/<2"/3<:3>: "!+:03\*-(+:/(:<3":"3:=+:1/.+<:,\*-/<1:"!+:)2(": &++M:3>:"!+:202,+9/0:(+9+("+-:3-:3<:("\*,@:,2@':

## **G**RADE **A**

C:: C<(2"/(>20"3-@:

2. + - 21 + ':

B! +:>3))3&/<1:03\*-(+:("2"\*(+(:2-+:-+03-, +, :3<:"!+: 202, +9/0:"-2<(0-/#"?:=\*":2-+:<3":1-2, +(':B!+-+:2-+: <3:A\*2)/"@:#3/<"(:2((30/2"+, :2<, :"!+-+>3-+:!2.+:<3: /9#20": 3<: ("\*, +<"(J: 0\*9\*)2"/.+: 1-2, +: #3/<":

DC: D\*,/"':;++:S3\*-(+:D\*,/":#3)/0@:>3-: 2,,/"/3<2):/<>3-92"/3<':

- N: : S3\*-(+:&3-M:/<039#)+"+':;++: N<039#)+"+:S3\*-(+:#3)/0@:>3-:2,,/"/3<2): /<>3-92"/3<'::
- NH:: N<:H-31-+((':;++:=+)3&:2,,/"/3<2): /<>3-92"/3<:
- h:: h/"!, -2&2)':H)+2(+:(++:h/"!, -2&2): #3)/0@:>3-:2,,/"/3<2):/<>3-92"/3<':

 $\begin{array}{l} \mathsf{B}! +: \mathbb{N} <: \mathsf{H} - 31 - + ((:\_\mathbb{N}\mathsf{Ha}: ("2"*(:/(:.2)/,:3<)@:>3-:>/+), \mathsf{L} \\ = 2(+,:03*-(+(:2<,:/<,/./,*2)/\mathbb{W} +,:("*,@:03*-(+(:2(:,+>/<+,:=+)3\&\)::) \\ \end{array}$ 

K: S)+-M(!/#:
K: S)/</02):
K: N<"+-<(!/#:
K: YU"+-<(!/#:
K: H-20"/0\*9:
K: H-+0+#"3-(!/#:</pre>

# GRADUATE ASSISTANTSHIPS AND

## **F**ELLOWSHIPS

; 2/<": E3\*/(: C</.+-(/"@J(: 1-2, \*2"+: >+))3&(!/#?: 2((/("2<"(!/#?:2<, :(0!3)2-(!/#:#-31-29(:2-+:92, +: #3((/=)+: "!-3\*1!: C</.+-(/"@: -+(3\*-0+(?: 1-2<"(?: /<, /./, \*2):, 3<3-(?:03-#3-2"/3<(?:>3\*<, 2"/3<(?:2<, : 2)\*9</'::

D)): 1-2, \*2"+: ("\*, +<"(: ! 3), /<1: 2#3/<"9+<"(: 2(: 0+))3&(?: B-2/<++(: 3-: G-2, \*2"+: D((/("2<"(: <math>2-+: 03<(/, +-+, :>\*))L"/9+: -+12-, )+((: <math>3>: "!+: <\*9=+-: 3>: 0-+, /"(: +<-3))+, :F/+'?: 2: ("\*, +<": 02<: ! 2. +: >+&+-:"! <math>2<: f: 0-+, /"(: &!/)+: =+/<1: >\*))@: >\*<, +, I': B!/(:9+2<(:"! <math>2": 2: ("\*, +<":, 3+(:<3":! 2. +:"3:\*(+:"!+:>\*)): 68:3-:46:0-+, /"(: 2))302"+, :3<: 2<: 2((/("2<"(!/#:/>:"!+:("\*, +<":, 3+(: <math><3": <++, : 2)): 3>: "! <math>3(+: 0-+, /"(: 02<:=+:, /./, +, :/(3:9\*)"/#)+:(+9+("+-(:"3:-+20!:"!+: -+A\*/-+, : 0-+, /"(': N<"+-<2"/3<2): ("\*, +<"(: <math>3<: 2((/("2<"(!/#(?:>+)))3&(!/#(: 3-:"-2/<++(!/#(:, 3:<3": ! 2.+:"3:=+: +<-3))+, : f: 0-+, /"(: "3: 9++": ./(2: -+A\*/-+9+<"(':

/5,0",1%.9##'#1,&1#<'\$#.</pre>

; 2/<": E3\*/(: C</.+-(/"@:/<:;"': E3\*/(: 3>>+-(: "!-++: 02"+13-/+(: 3>: #3("L=2002)2\*-+2"+: 2((/("2<"(!/#(': B! +: 2((/("2<"(!/#(: 3>>+-+,: /<0)\*, +: 2: -2<1+: 3>:("/# + <, (?: "\*/"/3 <: (0!3)2 - (!/#(?: 2 <, : !+2)"!:/<(\*-2<0+: 03.+-21+: , +#+<, /<1: \*#3<: "!+: , +1-++:</pre> )+.+)?:"!+:>/+),:3>:("\*,@?:2<,:"!+:)+<1"!:3>:"!+: 2##3/<"9+<"':D((/("2<"(:(#+<,:2":)+2(":6Z:=\*":<3: 93-+:"! 2<:45:! 3\*-(:#+-:&++M:#+->3-9/<1:2((/1<+,: \*"/+(': D)): D((/("2<"(: 9\*(": =+: S)2((/>/+, : #3("L =2002)2\*-+2"+: ("\*, +<"(: 2<,: -+92/<: /<: 133,: ("2<,/<1'::D((/("2<"(:2-+:+U#+0"+,:"3:92/<"2/<:2: 0\*9\*)2"/.+:1-2,+L#3/<":2.+-21+:3>:^'55:,\*-/<1:"!+: 202, +9/0:@+2-:3>:2##3/<"9+<"'::N>:("\*,+<"(J:1-2,+: #3/<":2.+-21+:>2))(:=+)3&:2:^'55:, \*-/<1:2<@:#3-"/3<: 3>: "! +: 202, +9/0: @+2-: ("\*, +<" (:02<:=+:"+-9/<2"+, : >-39: "!+: 2((/("2<"(!/#: =@: "!+: ,+#2-"9+<"': ;"\*, +<"(: 92@: 2)(3: =+: -+93.+,: >-39: 2<:2((/("2<"(!/#:>3-:>2/)\*-+:"3:9++":+U#+0"2"/3<(:3-: ./3)2"/<1:#3)/0/+(:F\*</.+-(/"@?:>+,+-2)?:+"01:#-/3-:"3: "! +: +<, : 3>: 2: 03<"-20": "+-9': D((/("2<"(:2-+:"3:=+:  $(+, 2)^{*}2^{"}+, (2 < < *2))@: = +>3-+: -+<+&2): 3>: "!+:$ 2((/("2<"(!/#':B!+:+.2)\*2"/3<(:2-+:03<,\*0"+,:=2(+,: 3 <: (0! 33)(03) + 1 + (0 + (0 + -))(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -)(0 + -

 >20\*)"@?: "+20!/<1:2((/("2<"(:03<0\*--+<")@:,+.+)3#: "+20!/<1:(M/))(:2<,:2:,++#+-:\*<,+-("2<,/<1:3>:"!+: ,/(0/#)/<+':

 $\begin{array}{l} \mathsf{D}: \mathsf{O}\%'' 1 2'', 3\&; 343''\% + 9\&' 44^*4, ''-, : 92@:=+:>^*<, +, :=@: \\ ''!+: \mathsf{C}</.+-(/'@:3-:=@:2<:+U"+-<2))@:>^*<, +, :-+(+2-0!: \\ \#-3V+0'': N<:+/''!+-: 02(+?:(''*, +<"(:2-+:2((/1<+, :2: -2<+1+:3>:, *''+(:(^*0!:2(:)/=-2-@:(+2-0!+(?:>/+), :&3-M?: )2=3-2''3-@:+U\#+-/9+<"(?:2<, :\#-+\#2-2''/3<:3>:1-2<'': \\ 2\#\#)/02''/3<(: 2<, : \#-3\#3(2)(: (3: 2(: "3: 12/<: \\ \#-3>+((/3<2):(M/))(:/<:-+(+2-0!: \&!/0!:039\#)+9+<'': \\ \#3(''L=2002)2^*-+2''+:+, *02''/3 \end{array}$ 

D. + -21 + :2(:>3))3&(

;*992:0*9:)2*,+\$:	
] 21<2:0*9:)2*,+\$:	

^'g5:2<,:1-+2"+-:

"3:"!+:92V3-:>/+), ':D12/<?:<3:93-+:"!2<:"+<:0-+, /"(: /<:"3"2):92@:=+:"2M+<:2":"!+:I555L)+.+)':

 $\begin{array}{l} 03: ] 2("+-J(: , +1-++: \#-31-29: 92@: /<0)^{*}, +: 93-+: \\ "! 2<: (/U: 0-+, /"(: /<: X+(+2-0!: B3\#/0(: FZg75I: 3-: G-2, *2"+: X+2, /<1: FZg85I?: 3-: 2: 039=/<2"/3<: \\ "! +-+3>': ] 2("+-J(: , +1-++: ("*, +<"(: 92@: <3": +<-3)): \\ /<: ^{*}<("-*0"^{*}-+, :^{*}<, +-1-2, *2"+: 03^{*}-(+&3-M': \end{array}$ 

#### K%#%, 5: <LB((-#.K%M"'5%+%&1.

$$\begin{split} \mathbb{N}_{<, /./, *2} &: ] 2("+-J(:, +1-++: #-31-29(:92@:!2.+:2: -+A*/-+9+<":3>:"-2<()2"/3<:#-3>/0/+<0@:/<:2:>3-+/1<: )2<1*21+?:("2"/("/0(?:039#*"+-:)/"+-20@?:3-:"!+:)/M+': ;"*, +<"(:(++M/<1:"-2<()2"/3<:(M/))(:2-+:+<03*-21+,:"3: +<-3)): /<: 03*-(+(: /<: "!+: R+#2-"9+<": 3>: E2<1*21+(?: E/"+-2"*-+(?: 2<,: S*)"*-+(: ,+(/1<+,: (#+0)>/02))@:>3-: "!+9': X+(+2-0!L"33): #-3>/0/+<0@: 92@: =+: ,+93<("-2"+,: "!-3*1!: +U29/<2"/3<: />: #+-9/""+,: =@: "!+: 92V3-:>/+), ': D--2<1+9+<"(:>3-: 2, 9/</("-2"/3<: 3>: (*0!: 2<: +U29: 2-+: "!+: -+(#3<(/=/)/"@:3>:"!+:92V3-:>/+), ': D--2<1+9+<"(:>3-: 2)$$

#### /5, 0", 1'(&.K%M"'5% + %&1#..

] 2("+-J(: , +1-++: ("\*, +<"(: 2<"/0/#2"/<1: "!+: >/<2): 202, +9/0:"+-9:9\*(":>/)+:2<:2##)/02"/3<:>3-:, +1-++': B!+:2##)/02"/3<:9\*(":=+:039#)+"+, ?:=@:2:(+":, 2"+: /<:"! 2":>/<2):"+-9':;\*=(+A\*+<")@2-235767m/TT6163(2-235767m/TT616-1")10(33((0)8("7m/2()-83215586.0(3)3)) Saint Louis University Academic Catalog

 $\begin{array}{l} +A^*/-+9+<"(':B!+:-+(+2-0!:9+<"3-?:2<,:92V3-L\\ >/+),:0!2/-\#+-(3<:3-:\#-31-29:,/-+0"3-?:D((30/2"+:R+2<:3-:S+<"+-:R/-+0"3-?:2<,:"!+:D((30/2"+:H-3.3(":>3-:D02,+9/0:D>>2/-(:9^*(":2##-3.+:"!+:#+"/"/3<':D:92U/9*9:3>:"&3:+U"+<(/3<(:=+@3<,:"!+:*#+"/"/3<':D:92U/9*9:3>:"&3:+U"+<(/3<(:=+@3<,:"!+:<3-92):"/9+:"3:,+1-++:&/)):=+:#+-9/""+,':YU"+<(/3<(:2-+:1-2<"+,:>3-:3<+:02)+<,2-:@+2-?:=*":02<:=+:1/.+<:>3-:2)+((:/>:"!+:0)+*(:3)):=(:(20039#2</+,:=@:"!+:++4*/-+9+<":3>:+<+3))9+<":/>+A*/-+9+<":3>:+<-3))9+<":/>$ 

## HOLDS ON REGISTRATION

-+1/("-2"/3<(:2-+:"3:=+:93</"3-+,:=@:"!+:92\3-: >/+), (':

## LEAVE OF ABSENCE (LOA)

D:)+2.+:3>:2=(+<0+:3>>+-(:("\*,+<"(:"!+:3##3-"\*</"@: "3:)+2.+:;2/<":E3\*/(:C</.+-(/"@:"+9#3-2-/)@?:<3:)3<1+-:"!2<:3<+:02)+<,2-:@+2-?:2<,:-+"\*-<:&/"!3\*": -+2##)@/<1:"!-3\*1!:2,9/((/3<':

Q3-: ("\*, +<"(:"3:=+:#)20+, :3<:2:)+2.+:3>:2=(+<0+:"!+@:9\*("\$:

- K: ; \*=9/":039#)+"+, :H+"/"/3<:>3-:E+2.+:3>:D=(+<0+: 2<, :
- $\mathsf{K}: \ \mathsf{X} + \mathsf{0} + /. + : 2 \# \# 3 . 2): = @:"! + /-: 03)) + 1 + : 3 : (0! 33)':$

 $R^{*} - (<1:"!+:)+2.+:3>:2 = (+<0+?:("*,+<"($:$ 

- K: X+"2/<:"!+:1-2, \*2"/3<:-+A\*/-+9+<"(:>-39:"!+: C<,+-1-2, \*2"+:S2"2)31:3>:"!+/-:@+2-:3>: 2, 9/((/3<?:
- K: X+"2/<:"!+/-:; EC'YRC:+92/):2003\*<"?:200+((:"3: 9@; EC'()\*'+, \*:2<, :200+((:"3:"!+:)/=-2(:0+:+ 9@K57R\*57R\*#0q0.20R0q!"</pre>

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## (UNDERGRADUATE)

C < , +-1-2, \*2"+: ("\*, +<"(: 92@: +<-3)): /<: 03\*-(+(: <\*9=+-+, : Z555: 2<, : 2=3. +: #-3. /, +, : 2)): 3>: "!+: >3))3&/<1:03<, /"/3<(:2-+:9+"\$:

- K: ; "\*, +<"(:9\*(":=+:0)2((/>/+, :2(:(+</3-(':H)+2(+: (++:S)2((/>/02"/3<:#3)/0@:>3-:2, , /"/3<2): /<>3-92"/3<':</pre>
- K: H-+-+A\*/(/"+(:>3-:+20!:03\*-(+:/<:A\*+("/3<:9\*(": =+:>\*)>/))+, :#-/3-:"3:"!+:>/-(":9++"/<1:3>:"!+: 03\*-(+':
- K: ; "\*, +<"(:9\*(":!2.+:2":)+2(":2:^'55:0\*9\*)2"/.+: 1-2, +:#3/<":2.+-21+':
- K: ; "\*, +<"(:92@:<3":+<-3)):/<:93-+:"!2<:2:"3"2):3>:

, 3 < +:"3:+U0)\*, +:"!+:0-+, /"(:>3-:"!+:-+#+2"+, :
03\*-(+':
K: B!/(:-\*)+:2##)/+(:&!+"!+-:3-:<3":("\*, +<"(:
-+0+/.+, :2/, :>3-:+2-)/+-:+<-3))9+<"(:/<:"!+:
03\*-(+':</pre>

# **RESEARCH-PHASE REGISTRATIONS**

:

-+1/("-2-r ()\*'+, \*':

; "\*, +<"(: 92@: =+: 2(M+, : "3: #-3./, +: 2: (@))2=\*(: 03<"2/</1:2:&-/""+<:, +(0-/#"/3<:3>:"!+:03\*-(+F(1: >-39:"!+:3"!+-:/<("/"\*"/3<'::

 $\mathsf{B}\text{-}2<(\mathsf{>+-:}\ \mathsf{0-+}\ ,\ /":\ \mathsf{9}2@:\ =+:\ 2\&2\text{-}\ ,\ +\ ,\ :\ \mathsf{>3-:}\ \&\ !\ /0\ !:\ ;\ 2/<":$ 

 $\begin{array}{l} + U\# + 0" + ,: \ 03 \ 9 \ \#) + "/3 <: \ , \ 2" +: \ 3>: \ "! +: \ pDL2 \ \# - 3 . + ,: \\ \# - 31 - 2 \ 9 : \ 3 -: \ 132)' : \ p + " + - 2 <: ("* , + <"(: \ 9 * (": \ \# - 3 \ 9 \ \#)") \ @: \\ / <> 3 - 9 : \ "! +: \ 0 + - "/> @/ <1 : \ 3>>/0/2) : / <: \ "! +: \ P>>/0 +: \ 3>: \ "! +: \\ C </ . + - (/" \ @: X + 1/(" - 2 -?: R * ` 3 * -1 : [ 2))?: X 3 3 \ 9 : \ 44?: \ 3>: 2 < \ @: \\ 0! \ 2 < 1 + (: \ / <: \ ("2" * (: \ "! \ 2": \ 9/1! \ ": \ 2>>+0": \ = + <+>/"(': \\ 02/) * -+: \ "3: \ -+ \ \# 3 - ": \ (*0!: \ 0! \ 2 < 1 + (: \ 02 <: \ -+ \ (*)": \ / <: \\ 3 . + - \ \# 2 @ \ 9 + <"(: 2 <, : 3"! + -: \ 03 \ 9 \ \#)/02"/3 < (: / <: -+ 0 + / \ \#": \\ 3>: = + <+>/"(': \end{array}$ 

 $\begin{array}{l} @'\&'+"+.!1, &0, 50\#; (5./WW.X'-..!1"0\%\&1\#. \\ D(:2:-+(*)":3>:+("2=)/(!+,:pD:9/</9*9:("2<,2-,(:>3-:(0!33):2""+<,2<0+?:.+"+-2<(:(!3*),:=+:2&2-+:3>:"!+:>3))3\&/<1:-+1*)2"/3<(?:&!/0!:13.+-<:0+-"/>/02"/3<:=@:"!+:C</.+-(/"@:2<,:200+#"2<0+:3>:"!+:0+-"/>/02"/3<:=@:"!+:p+"+-2<J(:D,9/</("-2"/3<$:$ 

- K: p+"+-2<:("\*, +<"(:&! 3:0+2(+:2""+<, /<1?:=\*":&! 3: , 3:<3":3>>/0/2))@:&/"!, -2&:>-39:0)2((:3-:>-39: "!+:C</.+-(/"@?:&/)):=+:-+#3-"+, :2(:<3":92M/<1: (2"/(>20"3-@:#-31-+((':
- K: B! +:pD:&/)):=+:<3"/>/+, :>3-:"!+:>3))3&/<1: -+2(3<(?:2<,:2<:3.+-#2@9+<":92@:=+:0!2-1+,: 212/<(":"!+:.+"+-2<\$:

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