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!B @ 0 = 8 F 0 1/3

: 0 7 0 = 8 0 7 0 A 0 6 4 0 = 5 = 0 1 > @ > 2 8 = : > 2 8 E @ 0 A B 8

gradinar, A J 1 > B 0 28 < 0 @ B 2009 - 16:03:15

8 A > : 0 B 0 1 > @ > 2 8 = : 0 5 8 = B 5 @ 5 A = 0 ? @ C 4 8 2 A 8 G : > A < = > 3 >
5 4 @ 8, : 0 A 8 2 8 8 2 : C A = 8 ? ; > 4 > 2 5, 0 A J I > B 0 : 0 2 8 A > : 0 8
@ 5 4 > 2 = 0 ? @ > 4 C : B 8 2 = > A B. ! @ 5 4 = 8 O B 4 > 1 8 2 > B 5 4 8 = E @ 0 A B 5 3 - 5
: 3, 0 < 0 : A 8 < 0 ; = 8 O B 7 - 10 : 3. A 2 5 = B > 2 0, E @ 0 A B 8 B 5 A 5 > B ; 8 G 0 2 0 B
A 2 8 A > : 0 4 5 : > @ 0 B 8 2 = 0 A B > 9 = > A B ? @ 5 7 F O ; 0 B 0 3 > 4 8 = 0 : ? @ 5 7
? @ > ; 5 B B 0 ? > 2 @ 5 < 5 = 0 F J D B 5 6 ; ; O B > B > A C 7 @ O ; 8 B 5 ? ; > 4 > 2 5 ;
5 A 5 = , : > 3 0 B > 2 A 8 G : 8 ; 8 A B 0 > B 7 5 ; 5 = 8 A 5 > F 2 5 B O 2 0 B 2
> 3 = 5 = > G 5 @ 2 5 = > .

7 1 > @ = 0 < O A B > 8 ? > 4 3 > B > 2 : 0 = 0 ? > G 2 0 B 0.
> @ > 2 8 = : 0 B 0 5 A 2 5 B ; > ; N 1 8 2 0 : C ; B C @ 0. 5 ; 0 B 5 ; = > 5 4 0
? > 4 1 5 @ 5 B 5 < O A B >, : J 4 5 B > @ 0 A B 5 = 8 O B 0 1 5 A 5 > 3 @ 0 2 O B ? @ 5 7
F 5 ; 8 O 4 5 = > B A ; J = F 5 B >. J 7 < > 6 = > 5 G 0 A B 8 G = > 7 0 A 5 = G 2 0 = 5.
@ 8 7 0 A 0 6 4 0 = 5 = 0 1 > @ > 2 8 = : > 2 8 B 5 @ 0 A B 5 = 8 O B @ O 1 2 0 4 0 A 5
8 7 1 8 @ 0 B < 5 A B 0, : > 8 B > 8 < 0 B p H = 0 ? > G 2 0 B 0 < 5 6 4 C 4,5 8 5,5.
? B 8 < 0 ; = > 5 B 0 : > 2 0 < O A B >, : J 4 5 B > ? @ 5 4 8 = 5 5 8 < 0 ; >
: C ; B C @ = 8 @ 0 A B 5 = 8 O . > 4 E > 4 O 1 8 A 0 ; 8 2 0 4 8 8 ? 0 A 8 1 0, : > 8 B >
= 5 A 0 1 8 ; 8 8 7 ? > ; 7 2 0 = 5 7 0 7 5 < 5 4 5 ; 8 5. 5 A B 0, : > 8 B > A 0
< = > 3 > = 8 A : > @ 0 7 ? > ; > 6 5 = 8 B @ O 1 2 0 4 0 A 5 8 7 1 O 3 2 0 B 8 ; 8
4 > 1 @ 5 4 0 A 5 4 @ 5 = 8 @ 0 B, B J 9 : 0 B > 8 < 0 > ? 0 A B = > A B > B
7 0 4 J @ 6 0 = 5 = 0 2 ; 0 3 0.

@ 8 = 5 2 J 7 < > 6 = > A B 4 0 A 5 8 7 ? J ; = O B @ > 2 > 2 5 / 60 - 8 0 A < H 8 @ > : 8 /
8 ; 8 4 C ? : 8 / 60 - 6 0 A < / H 8 @ > : 8 8 = 5 ? > - 4 J ; 1 > : 8 > B 4 0 A <. 0 A 5
= 0 ? J ; = O B A : 8 A 5 ; < 0 B 5 @ 8 0 ; / 1 > @ > 2 8 8 3 ; 8 G : 8, = 0 B @ > H 5 = 8,
1 > @ > 2 8 : > @ 8, B > @ D, C 3 = 8 ; 8 1 > @ > 2 8 A B J @ 3 > B 8 = 8, ; 8 A B 0, ? O A J :
8 4 @ / 2 : > 9 B > 1 5 A 5 7 0 A 0 4 O B @ 0 A B 5 = 8 O B 0. J < ? @ 8 3 > B 2 5 = 0 B 0
A < 5 A : 0 < > 6 5 4 0 @ ? 8 1 0 2 8 B 5 1 5 - 2 0 3 @ : > < 1 8 = 8 @ 0 = B > @ N P K.

0 A 8 ? 2 0 = 5 : 0 = 5 ? > 4 E > 4 O 1 0 B 0 ? > G 2 0 A 5 ? @ 0 2 O B = 0 A 8 ? 8 A
2 8 A > G 8 = 0 > : > ; > 8 0 A < > B 3 > @ 5 ? > A > G 5 = 8 O < 0 B 5 @ 8 0 ; 8
@ 0 A B 5 = 8 O B 0 A 5 A 0 4 O B 2 = 5 3 > .

@ 5 ? > @ J G 8 B 5 ; = > 5 4 0 A 5 = 0 ? @ 0 2 8 < C ; G > : > ; > @ > 7 5 B : 0 B 0
= 0 E @ 0 A B 8 B 5 A 4 5 1 5 ; 8 = 0 5 - 7 A <, : > 9 B > 7 0 4 J @ 6 0 2 ; 0 3 0 B 0,
? > 4 B 8 A : 0 @ 0 A B 5 6 0 = 0 ? ; 5 2 5 ; 8 B 5 8 ? > 4 > 1 @ O 2 0 A B @ C : B C @ 0 B 0
= 0 ? > G 2 0 B 0.

O 7 0 = 5 B > ? @ 8 1 > @ > 2 8 = : 8 B 5 A 5 ? @ 0 : B 8 : C 2 0 A ; 5 4 2 B > @ 0 B 0
3 > 4 8 = 0, : 0 B > A 5 > B A B @ 0 = O 2 0 B ; 5 3 = 0 ; 8 2 J @ E C 7 5 < O B 0 : ; > = 8.

'0: A ; 54 G 5 B 2 J @ B 0 B 0 3 > 4 8 = 0 <> 6 5 4 0 A 5 = 0 ? @ 0 2 8
? @ > A 2 5 B ; O 2 0 = 5 = 0 : > @ > = 0 B 0.

0 > ? @ 0 H 2 0 = 5 B > A 0 = 5 > 1 E > 4 8 < 8 ? G 5 ; 8 8 4 @ C 3 8
? G 5 ; > ? > 4 > 1 = 8 = 0 A 5 : > < 8. @ 5 4 ; 0 3 0 = 8 B 5 A > @ B > 2 5 A 0
A 0 <> ? @ 0 H 2 0 1 8 A 5, = > 2 O B J @ J B = 5 5 4 > A B 0 B J G 5 = 7 0
> ? @ 0 H 2 0 = 5 B > = 0 2 A 8 G : 8 F 2 5 B > 2 5.
! B > ? 0 = 8 B 5 B @ O 1 2 0 4 0 7 = 0 O B, G 5 ? B 8 F 8 B 5 <=> 3 > E 0 @ 5 A 2 0 B
? ; > 4 > 2 5 B 5 = 0 1 > @ > 2 8 = : 0 B 0 8 G 5 A B > ? @ 8 G 8 = O 2 0 B
7 = 0 G 8 B 5 ; = 8 1 5 B 8. J 7 <> 6 = > 5 4 0 8 7 : J ; 2 0 B 2 A 8 G : 8 ? ; > 4 > 2 5
> 1 5 2 = 0 G 0 ; => > F 2 5 B O 2 0 = 5. 0 B > ? @ 5 4 ? 0 7 = 0 < O @ : 0 <> 6 5
4 0 A 5 8 7 ? > ; 7 2 0 7 0 1 8 B = 0 < @ 5 6 0, : > O B > 4 0 A 5 ? > A B 0 2 8 ? @ 8
7 0 ? > G = 0 ; > > F 2 5 B O 2 0 = 5 = 0 ? ; > 4 > 2 5 B 5.

> @ > 2 8 = : 8 B 5 = 5 A 0 <> A 0 <=> 3 > 2 : C A = 8, = > A 0 8 <=> 3 >
? > ; 5 7 = 8. 0 C G = > 5 4 > : 0 7 0 = >, G 5 A 0 = 8 A : > : 0 ; > @ 8 G 5 = ? ; > 4
A 8 7 G 8 A B 2 0 I > / 0 = B 8 > : A 8 4 0 = B = > / 4 5 9 A B 2 8 5, ? > 4 E > 4 O 1 8 7 0
@ 0 7 ; 8 G = 8 4 8 5 B 8.

C : 5

1. 0 A B 5 6 : 1,20 1,60 <, H 8 @ > : @ 0 A B 5 6. 7 8 A : 2 0 A 8 ; = > @ 0 7 0 = 5, 8 = 0 G 5
5 A : ; > = 5 = : J < A ; 0 1 @ 0 A B 5 6, 1 J @ 7 > 7 0 A B 0 @ 0 2 0 = 5 = 0
4 J @ 2 5 A 8 = 0 B 0.
2. @ 5 < 5 = 0 7 @ 5 5 = 5 : > B 1 5 N = 8
3. > 1 8 2 : @ 5 4 > 2 = > 2 8 A > : , 6-8 : 3
4. ; > 4 > 2 5 : > ; 5 < 8, B 2 J @ 4 8 ? ; > 4 > 2 5 A E C 1 0 2 A 2 5 B ; > A 8 = F 2 O B
(17 <>), A ; 5 4 2 0 1 8 B 5 ? ; > 4 > 2 5 < 0 ; : > ? > - < 0 ; : 8. = > 3 > B @ 0 9 = >
: 0 G 5 A B 2 > = 0 ? ; > 4 > 2 5 B 5, @ 0 2 = > < 5 @ = > C 7 @ 0 2 0 = 5, 7 0 B > 2 0
< 0 : A 8 < C < 3 1 @ 0 = 5 B 0. > 1 J @ 2 : C A, : > 9 B > ? @ 8 ? J ; = 0 7 @ 0 ; > A B
A B 0 2 0 ? > - A ; 0 1. ! 8 ; = > ? @ 8 ; 5 ? = 0 ; ? @ 0 H 5 F.
5. @ C 3 8 : & J D B 8 > B = > A 8 B 5 ; = > : J A = > 8 5 ? > 4 E > 4 O 1 7 0 @ 0 9 > = 8
A G 5 A B > 8 7 < @ J 7 2 0 = 5 = 0 F 2 5 B > 2 5 B 5. 0 : B > F 2 5 B > 2 5 B 5, B 0 : 0 8
4 J @ 2 5 A 8 = 0 B 0 A 0 > A > 1 5 = > A B C 4 > C A B > 9 G 8 2 8. 7 8 A : 2 0 4 > 1 @ 5
4 @ 5 = 8 @ 0 = 8, B > ? ; 8 ? > G 2 8. 'C 2 A B 2 8 B 5 ; 5 = 5 : J < = 5 ? > 4 E > 4 O 1
pH.

; N 3 > ; 4

1. 0 A B 5 6 : 1,60 2,00 <, 2 5 @ B 8 : 0 ; 5 = @ 0 A B 5 6. > 3 0 B > 5 > B @ C ? 0 = A
? ; > 4 > 2 5, 5 A : ; > = 5 = : J < > 3 J 2 0 = 5 2 A B @ 0 = 8 8 = 0 2 J =, < 0 ; : 8
8 7 8 A : 2 0 = 8 O : J < ? > G 2 0 B 0.
2. @ 5 < 5 = 0 7 @ 5 5 = 5 : B 2 8 N = 8
3. > 1 8 2 : @ 5 4 > 2 = > 2 8 A > : , 8 10 : 3
4. ; > 4 > 2 5 : 1 6 <<, A 2 5 B ; > A 8 = 8 7 J @ = 0 A ? @ 0 H 5 F, A J A 7 4 @ 0 2 >
: 0 G 5 A B 2 >, > B : @ 8 B 8, 4 J ; 3 8 3 @ > 7 4 > 2 5.
5. @ C 3 8 : B ; 8 G = 0 4 5 : > @ 0 B 8 2 = 0 A B > 9 = > A B, E C 1 0 2 8 7 5 ; 5 = 8
; 8 A B 0 ? @ 5 7 ; O B > B >, > 3 = 5 = > G 5 @ 2 5 = > > F 2 5 B O 2 0 = 5 ? @ 5 7
5 A 5 = B 0. = > 3 > 7 4 @ 0 2.

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!B @ 0 = 8 F 0 3/3

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1. 0 A B 5 6: 1,60 1,80 <. \$ > @ < 0 B 0 = 0 ? > 4 > 1 O 2 0 > 2 > I = 8 4 J @ 2 5 B 0 = 0
H ? 0 ; 8 @.
2. @ 5 < 5 = 0 7 @ 5 5 = 5: > B 15 N ; 8
3. > 1 8 2: 4-6 : 3
4. ; > 4 > 2 5: 3 > ; 5 < 8, 7 4 @ 0 2 8, A 2 5 B ; > A 8 = 8 7 J @ = 0 (16 < <). => 3 >
0 @ > < 0 B = 8.
5. @ C 3 8: > 1 @ 0 4 5 : > @ 0 B 8 2 = 0 A B > 9 = > A B.

Elliott

1. 0 A B 5 6: 1, 50 2,10 <
2. @ 5 < 5 = 0 7 @ 5 5 = 5: B 6 0 2 3 C A B
3. > 1 8 2: 6-8 : 3
4. ; > 4 > 2 5: 0 ; : 8 4 > A @ 5 4 = > 3 > ; 5 < 8 7 J @ = 0 (11 < <). 4 @ 0 2 >
: 0 G 5 A B 2 >, A @ 5 4 = > A 8 = F 2 O B. @ 8 ? J ; = 0 7 @ O ; > A B D 8 =, < 5 :
0 @ > < 0 B, => ? @ 5 4 8 4 0 A 0 C 7 @ 5 ; 8 60% > B ? ; > 4 > 2 5 B 5 5 A : 8 A 5 ;
2 : C A.
5. @ C 3 8: => 3 > 2 8 A > : 0 4 5 : > @ 0 B 8 2 = 0 A B > 9 = > A B,
A 8 = J >- 7 5 ; 5 = 8 ; 8 A B 0 8 : J A 5 = F J D B 5 6. => 3 > 7 4 @ 0 2 A > @ B.