```
N; &! &KK&2%'! #K! ON; &! N; *%2; &0! 6:: - '6#$OP! Q; *%! 5#&'! 6%! %&::! - '! */#-%! %; &! 6$K*$%O'! */6:6%<! %#!
56'%6$+-6';!/&%Q&&$!K*26*:!&M90&''6#$'R!
!
1 / '%0*2%(!
               1980)
                                                     (
                                   )
                  (6-12 🗆 12-18
                                                                                 ).
                                    (
            1 🗆
```

\$

## H(!!4\$%0#5 - 2%6#\$! □ (... ) □ , ( , ). **(**1980) ). ( , 1980<sup>-</sup> , 1988 , 1993). (1980) 180 □ . , 180 (1982) ( ), ( 1).

S6+-0&!H(!

, ).  $\Box$  . ) ( .! (1988) ( ), , , (□ □) (1996)

!

&

```
3(!!>&%;#5(!
3(H(!@ - / A&2% ' (!
                              □ 286
                          469
         13
                                                           12
               , 5
                            8
                                     , 7
                                                                    5
                   · ()
                                                                        (
       1).
                 3(3(!@%6 . -:6(!
                                  (
                         )
                                                               (
                                                                        2
       ).
S6+-0&!3(!!N; &!N; *%2; &0!4::-'6#$(!
```

)

20 ( ), □ ) 22 🗆 40 ( 30 ,  $\Box$  , ). ). 100% 550 1980). ( \_, 35 □ , 40 (6 , 10 , 14 10 ). 3(7(!199\*0\*%-'(! 4 1. 3. 5 70/120 , ( 3

S6+-0&!7(!N; &!199\*0\*%-'!-'&5!6\$!%; 6'!90&K&0&\$%6\*:!:##U6\$+!%\*'U(

!

\*

 35
 35
 35
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .

, ,

, .

! ##

\$6+-0&!7(H!N; &! . \*6\$!&KK&2%!#K!%; &!N; \*%2; &0!4::- '6#\$(!

.

!

!

!

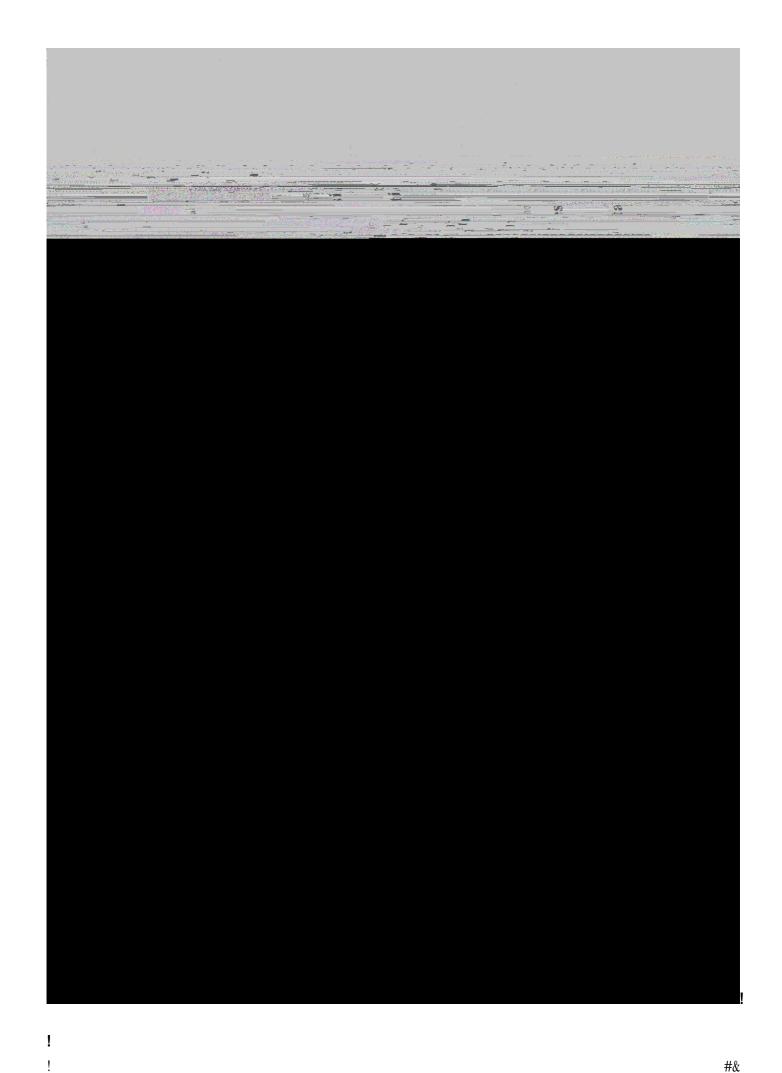
!

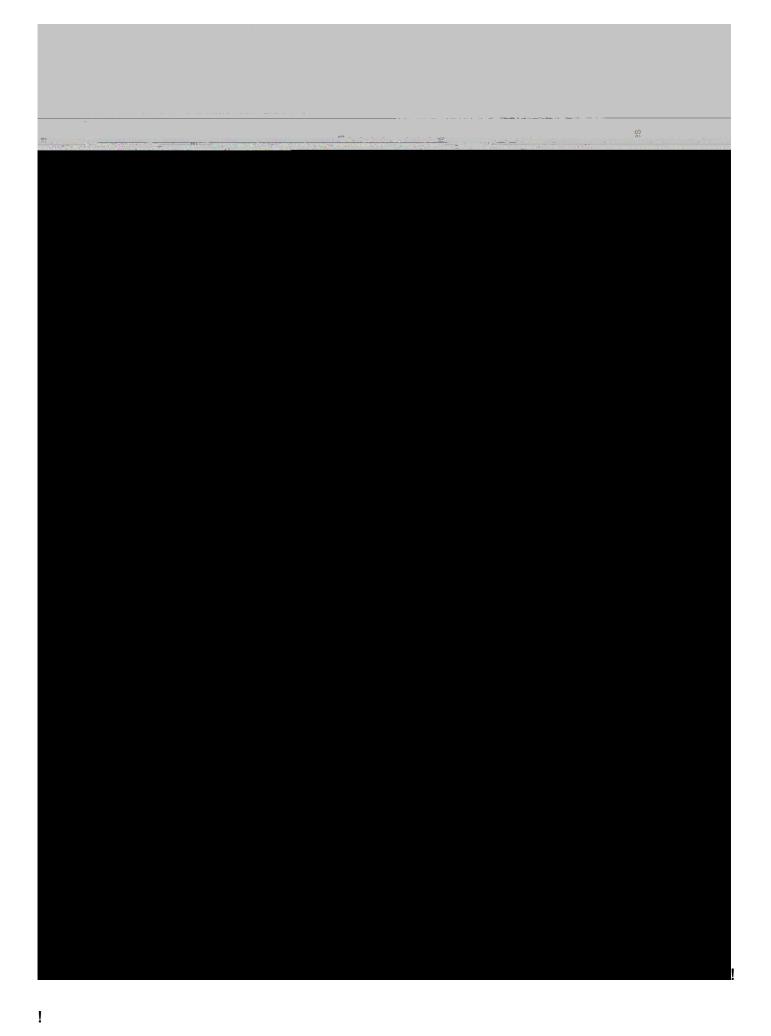
!

**7(3!N; &!&KK&2**%!#K!%; **&!N;** \*%2; **&**0!4::-'6#**\$**!6\$!0&:\*%6#\$!%#!K\*26\*:!**&**M90&''6#\$P!

3.2.

1





```
, & - %0*:!S*2& 'P!4$K*$% '!90& '&$%*%6#$X'65&!90&K&0&$2& '!K#0!$& - %0*:!K*2&!2#$K6+ - 0*%6#$ 'P!
         □ ( (1, 9) 26.369, 0 .001)
                                                             ( (1, 9) 5.163, 0.049).
                                   6 12
                  (9) 0.897, 0.015)
               8.2 8.3
                              ). ,
                                                      6-12
                                                      (9) -2.842,
                                              ( -
 0.019), ( 8.4
                        ).
!
!
!
!
!
!
!
!
!
!
!
!
!
!
!
!
!
                                                                    #)
```

S6+-0&! V(3! Z906+;%! N;\*%2;&0&5! Y\*99<! S\*2&'! M! )0&'&\$%\*%#\$! '65&! 90&K&0&\$2&'(!

! #+

 $S6+-0\&!V(7!4\$W\&0\%\&5!\;,\#0\;.\;*:!Y*99<!S*2\&'!M!\;)\;0\&'\&\$\%*\%\#\$!'65\&!90\&K\&0\&\$2\&'(!)$ 

4\$K\*\$%'!=XH3!.#\$%;'!

!

12-

! \$"

 $S6+-0&! \ V(L! \ 6$W&0\%&5! \ N; *\%2; &0&5! \ Y*99<! \ S*2&'! \ M! \ )0&'&$\%*\%#$! '65&! \\ 90&K&0&$2&'(!)$ 

6-12

Happ faces presen a ion side

12-18

!

```
4$K*$%'!=XH3!.#$%;'!
                                                       !
4$K*$%'!H3XHD!.#$%;'!
                                                     !!!!
N; &!%#9!+0*9;!5&.#$'%0*%&'!%; *%!6$K*$%'!*+&5!=XH3!.#$%; '!:##U!:#$+&0!*%!
'*5!$#0. *:!K*2&'!#$!%;&!:&K%!#K!%;&60!2&$%0*:!+*[&!Q;&$!%;&<!*0&!90&'&$%&5!
6$!%; &! - 906+; %!#06&$%*%6#$(
```

\$\$

!

S6+-0&!=(H!Z906+; %!, #0. \*:!@\*5!S\*2&!M!)0&'&\$%\*%6#\$!'65&!90&K&0&\$2&'(!



! \$&

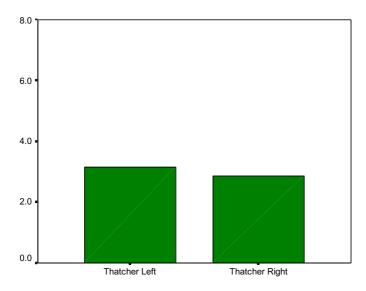
```
4$K*$%'!=XH3!.#$%;'!
                                                       !
4$K*$%'!H3XHD!.#$%;'!
                                                       !
!
!
                                                                       $'
```

 $S6+-0&!=(L!4\$W\&0\%\&5!N\;;\; *\%2\;;\; \&0\&5!@\; *5!S\; *2\&!M!\;)\; 0\&\; '\&\$\%*\%\#\$!\; '65\&!90\&K\&0\&\$2\&\; '(!) \; |\; (!)$ 

\$6+-0&!C(H!Z906+;%!,#0.\*:!1\$+0<!\$\*2&'!M!)0&'&\$%\*%6#\$!'65&!90&K&0&\$2&'(!)
4\$K\*\$%'!=XH3!.#\$%;'!

!

6-12



ngry Faces presentation side

12-18

, !

ļ

!

S6+-0&! C(L! 4\$W&0%&5! N; \*%2; &0&5! 1\$+0<! S\*2&'! M! )0&'&\$%\*%#\$! '65&! 90&K&0&\$2&'(!

6-12

\$6+-0&!D(H!Z906+;%!,#0.\*:!,&-%0\*:!\$\*2&'!M!)0&'&\$%\*%6#\$!'65&!90&K&0&\$2&'(!
4\$K\*\$%'!=XH3!.#\$%;'!!

Normal Left

Normal Right

Neutral Faces x presentation side

,-./-01!#\$2#\*!34-051!

!

!

\$6+-0&!D(7!4\$W&0%&5!, #0. \*:!, &-%0\*:!\$\*2&'!M!)0&'&\$%\*%6#\$!'65&!90&K&0&\$2&'(!
4\$K\*\$%'!=XH3!.#\$%;'!

!

!

!

S6+-0&! D(L! 4\$W&0%&5! N; \*%2; &0&5! , &-%0\*:! S\*2&'! M! )0&'&\$%\*%6#\$! '65&! 90&K&0&\$2&'(!

4\$K\*\$%'!=XH3!.#\$%;'!

!

12-18

!

%%

6-

! %&

! %'

	(1990)						
		(1993)		[	, , , , , , , , , , , , , , , , , , ,		
		,				,	
	, (1993)						
!	,			6-12		12-18	
	· □ ,	,	6-12				
	,	· ,	).	. ,			
	5-7		,	,	' (19 (1993)		
				,		1986)	
!	,				[		
!						%)	





,, , . (1993). , 281-316. , (1989).	
65-69.	
, ., , ., , .,	, . (1993).
	( 149-163).
, . □ (1997). .!	
, ., , (1990).	7
, 497-511.	

. ., , ., , .. (1976). -

V(!J&K&0&\$2&'(!!

```
815-817.!
                                                     , . . (1996).
   904-915.
                                               , 483-484. !
        , . (1980).
                                               .
                                  , . (1988).
                                           , 471-491.
        , . (1991).
 ), 161-2-4.
                                            , .., (1969).
                 141-145.
!
ļ
!
!
!
!
!
!
!
!
```

, . (1988).

!

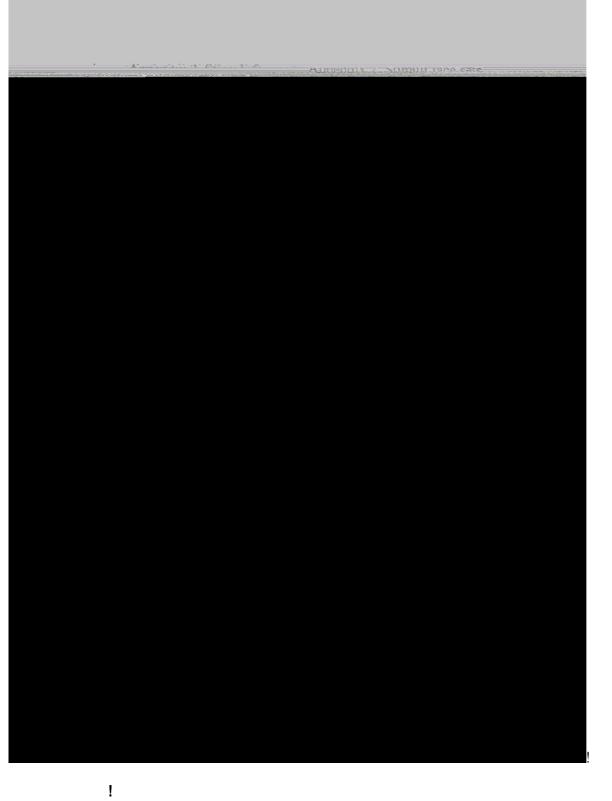
&\$

).

```
! ""#$%&'(
```

)\* +,-#(./&012&(3(4#1/5,2(,\$%(.,%(-6\$%&/&6\$7( 8\* +,-#(./&012&(3(9,"":(,\$%(!\$;5:(,\$%(!\$823(,)1\$





! ! ! ! ! ! ! ! ! ! ! ! ! ! !! ! ! !

!