



Région académique
HAUTS-DE-FRANCE

Tgevqt cv'f g'h'cecf² o lg'f g'Nlmg
42. 't wg'Uclp'V'Lces wgu'
DR'92; ''
7; 255'NKNG'E GF GZ ''''

'GZ RGF KVGWT

'F GUVK CVCKTG

'F RR'Dwt gc'w'f gu'c'cekf gpw't t qhgukppgn

F QUUKGT'C'TGO RNKT
RCT'NC'XKVKO G

F GENCTCVKQP'F)CEEK GP V'F G'UGTXKKG. F WVT CXCKN'QWF G'TGEJ WGG'
*r gt uqppgn'f kt gevgo gpv't² o wp²t²u'lw'w'ig'd'wf i gv'f g'h)Gw v+'''

C'TGO RNKT'C'N)GP ETG'DNGWG

Pg'r cu'w'w'k'ugt 'égv'ko r t lo² 'r qwt 'igu'r gt uqppgn'r t ku'gp'ej cti g'r ct 'ie'ERCO '*pqp'kw'w'k' gu't get w² u'k''
vgo r ul'peqo r rgy'gv'q'w'r qwt 'wpg'f w² g'lp'f t l'gwt g'k' 'wp'cp. 'r gt uqppgn't² o wp²t²u'f ct 'igu'GRNG+0''

FCVG'FG'N)CEEK GP V'z'.....'F CVG'FG'NC'TGEJ WGG'z'

*eqej gt 'ie'ecug'eqttgur qpf cpvg+

V[RG'F)CEEK GP V'z' Ceekf gpv'lw'w'ig'h'g'w'f g'tcxcln Ceekf gpv'f g'tclgv Ceekf gpv'gp'o kuukp

TGPUGK PGO GPVUEQPEGTP CP V'NC'XKVKO G'z'

O o g O O

P qo 'f g'pckuucpeg'z'.....'P qo 'f)uci g'z'

Rt²p qo u'z'

.....
F cvg'f g'P ckuucpeg'z'.....'P wo² tq'K UGG'z'

P wo² tq'f)Ci gpv'P WO GP +z'

Cf t guug'r gt uqppgn'z'

Eqf g'r qucr'z'.....'Xkr'z'

V² r r j qpg'z'

qw
Cf t guug'² r gev't pks w'g'z'.....'B ''
*icwnc'wh+

UVCVW'GV'ECVGI QTK'F'G'N)CI GPV'<'

""Uci lckg"*****Vkwrc'k'g"*****P qp\'kwrc'k'g"*****O c ,t'g'«\'k'g'f'²h'p'k'h'I"*****C"*****D"*****E"

I'TCF'G/'F'R'P'N'P'G/'H'Q'P'E'V'R'Q'P"*****gp\'q'w'g'u'g'w'g'u'<"

PQO 'GV'CF'T'GU'G'F'G'N)GE'Q'NG'IF'G'N)GV'CD'NK'UGO GP'V'IF'W'UG'T'X'IE'G

*ig'ecu'² ej'² cpv'lpf'ks wgt'h'² vcd'ku'ugo gpv'f'g't'cw'cej go gpv'<

Eqf'g'R'qu'rc'i'<"*****X'k'ng'<'<

V²'f'r'j'q'p'g'f'g'h'² vcd'ku'ugo gpv'<

C'f't'g'u'g'²'g'e'v't'q'p'k's w'g'r't'q'h'g'u'k'q'p'p'g'm'g'<"*****B

TGP'UG'K'P'GO GP'V'U'E'Q'P'E'G'T'P'CP'V'N)CEE'K'GP'V'<

F'c'g'f'g'h'²'c'ee'k'f'gpv'<"*****J'g'w'g'f'g'h'²'c'ee'k'f'gpv'<"*****j

F'c'g'f'g'h'²'c'h'g'e'v'k'q'p'f'c'p'u'h'g'r'q'u'g'q'e'w'²'c'w'o'q'o'gpv'f'g'h'²'c'ee'k'f'gpv'<

J'Q'T'CK'G'U'F'G'V'T'CX'CK'N'G'L'Q'W'T'F'G'N)CEE'K'GP'V'<

.....O'CV'R'.....C'R'T'G'U'O'K'K'.....U'Q'K'T'
f'g'.....j'.....«'.....j'.....f'g'.....j'.....«'.....j'.....f'g'.....j'.....«'.....j'.....

S'W'Q'V'K'G'F'G'U'G'I'X'IE'G"*****gp'r'q'w't'eg'p'c'i'g'<"*****

NG'W'RT'GE'K'U'F'G'N)CEE'K'GP'V'<

E'K'T'E'Q'P'U'V'C'P'E'G'U'F'G'V'CK'N'G'G'U'F'G'N)CEE'K'GP'V'Q'W'F'G'N'C'T'G'E'J'W'G'"

*gp'x'k'q'p'p'g'o'gpv'<'u'c'ng'f'g'eq'w'u.'d'w'g'c'w.'g'ue'c'k'g't.'h'd'q't'c'v'k'g'g'e.'v'ej'g'g'z'²'ew'²'g.'i'g'ug'g'h'g'ew'²'<

.....

RTGEKUKPUEQORNGOPVCKTGURQWT'WP'CEEKGPV'FG'VTCLGV'<

Lqpf t g'nc'eqr kg'f owp g'ect v g' t qwk' g' q w' f owp' r rcp' f g' x kmg' q h h e k g n' u w' r s w m g' u g t c' r t' e k' g' <

"0hg'vtclgv'wkk'kg'lqwt'f g'h'nceekf gpv

"0hg'r qkp'v'f g'f'2 r ctv'F "gv'hg'r qkp'v' r t'2 xw'r qwt'h'cttk'2 g'C."

"0hg'hgw'f g'h'nceekf gpvZ."

"0hg'vtclgv'wkk'kg'cdkswmgo gpv'u'knf h'f'g'f w'vtclgv'wkk'kg'lqwt'f g'h'nceekf gpv'

N'ceekf gpv'guv'kn'uw'xgpw'uw'ig'vtclgv'f w'f qo lekg'c'w'hgw'f g'vtcxcknA'""Qwk'""P qp"

"J gwt'g'f g'f'2 r ctv'f w'f qo lekg'<""""""""j

"J gwt'g'<'r s w m g' h'nceekf gpv' "eqo o gpeg'f j cdkwf g'uq'vtcxckn'<""""""""j

N'ceekf gpv'guv'kn'uw'xgpw'uw'ig'vtclgv'f w'hgw'f g'vtcxckn'c'w'f qo lekg'A'""Qwk'""P qp

"J gwt'g'f g'f'2 r ctv'f w'hgw'f g'vtcxckn'<""""""""j "

"J gwt'g'<'r s w m g' h'nceekf gpv' "gto kpg'f j cdkwf g'uq'vtcxckn'<""""""""j

N'ceekf gpv'guv'kn'uw'xgpw'uw'ig'vtclgv'f w'hgw'f g'vtcxckn'c'w'hgw'f g'tgr cu'j cdkwgnA'""Qwk'""P qp

*f c p u' h c h h o c v k s' g' l q p f t g' i g u' l w m h e c v i h u +

S w g n u' o q i g p u' f g' h e q o q v k p' u q p v' w k k u' u' r q w' g h g e w g t' i g' v t c l g v' A

E q o d k p' f g' v o r u' f w g' i g' v t c l g v' <""""""""j

U k' i g' v t c l g v' c' 2 v' 2 f' 2 q w t p' 2 . ' o q w k u' <

U k' i g' v t c l g v' c' 2 v' 2 p v g t t q o r w' o q w k u' <

N'ceekf gpv'c/v'kn'gw'hgw'cxcpv'qw'cr t'3 u' h'p'v'g'tw' v'k'p'f w'vtclgv'A'""""""""C'xcpv'""Cr t'3 u'

Q'Á'nc'x'le'v'o g' u' g u' v' g m g' t' g p f w g' c r t' 3 u' h'nceekf gpv'A'Q'Á'c/v'gmg'2 v' "t'cpur qt v' g' cr t' 3 u' h'nceekf gpv'A

Nc'x'le'v'o g'c'v'gmg'vtcxckn'ig'lqwt'f g'h'nceekf gpv'A'""Qwk'""P qp

UKN)CEEKGPV'CGV'ECWUG'RCT'WP'VIGTU'""*wp'tgeqwtu'ugtc'gpi ci 2'r ct'hcf o k'p'k'v'k'p'p'<

P qo "gv'r t'2 p qo "f w'v'gtu'<

C f t g u g' < "

P qo "g'v'c f t g u g' f g' h'c u u t c p e g' <

P Á'f g' r q n e g' <

Wp'r t qe'3 u' x g t d c n f g' r q n e g' q w' f g' i g p f c t o g t k g' q w' w p' e q p u c v' c o k c d r g' c' v' k n' 2 v' 2 w d r k' A

""Qwk'""P qp"

Lqpf t g'wpg'eqr kg'f w'r t qe'3 u' x g t d c n' q w' f w e q p u c v' c o k c d r g' O'

""

PCVWTG'FG'N)CEEK GPV'<

.....cevkxk² 'ur qt vkgej wg'f)qdlgv.....gzi qukkqpo cpwgp vkp
.....ceekf gpvf g'rc'xqlg'r wdrks wgeqpcev*ri tqf wkv+Ij gwtv*o gwdrg+i rkuacf gtkus wgu'r u{ ej quqekcwz
.....ci tguukqp² rgevt kucvkqp I² rgevt qewkqpj gwtvf g'r gtuqppgvqtukqp
.....ej wg'f g'r gtuqppggzi rquukqp
.....cwtg

Gr? o gpv'o c² tgn'cuuqek² "«n'ceekf gpv*o cej lpg."qwn "qwnk«'o clp."x² j lewg."gveí +<

.....
NGUDNGUWT GU QWNGUKQP U QP V'NGU UWK CP VGU<r t² ekugt "e/½² f tqk'qwí cwej g'lg'ecu² ej gcpv!"

FCVGF'G'NC'E QP UVCVCVKQP 'O GF ÆCNG'FGUNGUKQP U<

Lqlpf t g'qdri cvqlt go gpv'igu'xqrgu'3'gv'4'qt li lpcwz'f w'egt vllcec'v'² f lecnrlpkcnf² et kcpv'igu'fi ukpu'gv'
² wdrkf cpu'igu'46'qv'igu'6: 'j gwt gu's wkkpv'lwskkh)ceekf gpv0

UKI G'FGUNGUKQP U

"Et -pg
"O go dt g'lw² tlgwt
"² r cwg"
"tcej ku'egt xlecn
"dtcu
"cxcpv'dtcu
"eqwf g"
"r qki pgv
"O clp"
"r qweg"
"cwtg*u+f qki v'u+*ri t² ekugt+

"f'gwz""
"" 'ò krif tqkv
"" 'ò krí cwej g"

"Vt qpe
"" 'eqw'
"" 'eqmppg"xgt² dtcrg
"" 'j qtcz
"" e/½gu
"" r qwo qpu
"" tcej ku'f qtucn
"" tcej ku'qo dckg
"" 'dcuukp
"" 'cdf qo gp"
"" "eqee{z

"F gpv*u+
"" 'O -ej qktg'lpf² tlgwtg"
"" 'O -ej qktg'lw² tlgwtg"

"Rgcw
" Cwt gu'fi ukpu'ri t² ekugt +

"Hceg
"" htpv
"" pgl "
"O go dt g'lpf² tlgwt
"" 'j cpej g
"" hguukgt
"" 'ewkug
"" 'i gpqw'
"" lco dg
"" 'o qngv
"" 'ej gxkng

"Rlqf
"" 'qtvkr'u+*ri t² ekugt+<

