

```

[]article
[T1]fontenc [utf8]inputenc
verbatim
:Title: Periodic Table of Chemical Elements
ifpdf tikz [active,tightpage]preview shapes,calc
pst-all
elementcolorrgb0.01, 0.75, 0.24 alkalicolorrgb1.0, 0.62, 0.01 alkalinecolorr-
gb1.0, 0.94, 0.21 metalcolorrgb0.99, 0.74, 0.43 metalloidcolorrgb0.64, 0.64, 0.82
nonmetalcolorrgb0.68, 1.0, 0.18 halogencolorrgb0.61, 0.87, 1.0 noblegascolorr-
gb0.0, 0.75, 1.0 lanthanideactinidecolorrgb0.98, 0.85, 0.87
[font=, scale=0.45, transform shape]
ElementFill = [fill=elementcolor] AlkaliMetalFill = [fill=alkalicolor] Alkaline-
EarthMetalFill = [fill=alkalinecolor] MetalFill = [fill=metalcolor] MetalloidFill =
[fill=metalloidcolor] NonmetalFill = [fill=nonmetalcolor] HalogenFill = [fill=halogencolor]
NobleGasFill = [fill=noblegascolor] LanthanideActinideFill = [fill=lanthanideactinidecolor]
Element = [draw=black, ElementFill, minimum width=2.75cm, minimum hei-
ght=2.75cm, node distance=2.75cm] AlkaliMetal = [Element, AlkaliMetalFill] Al-
kalineEarthMetal = [Element, AlkalineEarthMetalFill] Metal = [Element, MetalFill]
Metalloid = [Element, MetalloidFill] Nonmetal = [Element, NonmetalFill] Halogen
= [Element, HalogenFill] NobleGas = [Element, NobleGasFill] LanthanideActinide
= [Element, LanthanideActinideFill] PeriodLabel = [font=, node distance=2.0cm]
GroupLabel = [font=, minimum width=2.75cm, node distance=2.0cm] TitleLabel
= [font=]

```

**1**      1.0079  
[name=H, Nonmetal]      **H**      ; [name=Li, below of=H, AlkaliMe-  
Idrògenu  
**3**      6.941      **11**      22.990  
tal]      **Li**      ; [name=Na, below of=Li, AlkaliMetal]      **Na**  
Lítium      **19**      39.098      Sòdiu  
; [name=K, below of=Na, AlkaliMetal]      **K**      ; [name=Rb, below  
Potàssiu  
**37**      85.468  
of=K, AlkaliMetal]      **Rb**      ; [name=Cs, below of=Rb, AlkaliMetal]  
Rubídiu

**55** 132.91 **Cs** ; [name=Fr, below of=Cs, AlkaliMetal] **87** 223 **Fr** ;  
 Tzèsiu **4** Fràntziu 9.0122  
 [name=Be, right of=Li, AlkalineEarthMetal] **Be** ; [name=Mg,  
**12** 24.305 Berilliu  
 below of=Be, AlkalineEarthMetal] **Mg** ; [name=Ca, below of=Mg, Al-  
**20** 40.078 Magnèsiu  
 kalineEarthMetal] **Ca** ; [name=Sr, below of=Ca, AlkalineEarthMetal]  
 Càltziu  
**38** 87.62 **Sr** ; [name=Ba, below of=Sr, AlkalineEarthMetal] **56** 137.33 **Ba** ;  
 Istròntziu **88** 226 Bàriu  
 [name=Ra, below of=Ba, AlkalineEarthMetal] **Ra** ;  
**21** 44.956 Ràdiu  
 [name=Sc, right of=Ca, Metal] **Sc** ; [name=Y, below of=Sc, Me-  
**39** 88.906 Scàndiu **57-71**  
 tal] **Y** ; [name=LaLu, below of=Y, LanthanideActinide] **La-Lu**  
 Ìtriu **89-103** Lantànides  
 ; [name=AcLr, below of=LaLu, LanthanideActinide] **Ac-Lr** ;  
 Atinides

22 47.867

[name=Ti, right of=Sc, Metal]

**Ti**

; [name=Zr, below of=Ti,

Titàniu

40 91.224

72 178.49

Metal]

**Zr**

; [name=Hf, below of=Zr, Metal]

**Hf**

;

Zircòniu

104 261

Àlfniu

[name=Rf, below of=Hf, Metal]

[shadow=false,  
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linewidth=.2pt]**Rf**

Rutherfordiu

23 50.942

[name=V, right of=Ti, Metal]

**V**

; [name=Nb, below of=V,

Vanàdiu

41 92.906

73 180.95

Metal]

**Nb**

; [name=Ta, below of=Nb, Metal]

**Ta**

;

Niòbiu

Tantàliu

105 262

[name=Db, below of=Ta, Metal] ;  
[shadow=false, fillstyle=solid, fillcolor=white, linestyle=solid, linecolor=black, linewidth=.2pt]Db

Dùbniù  
24 51.996

[name=Cr, right of=V, Metal] **Cr** ; [name=Mo, below of=Cr,

Cromo

42 95.94

74 183.84

Metal] **Mo** ; [name=W, below of=Mo, Metal] **W** ;

Molibdenu

Tungstenu

106 266

[name=Sg, below of=W, Metal] ;  
[shadow=false, fillstyle=solid, fillcolor=white, linestyle=solid, linecolor=black, linewidth=.2pt]Sg

Seabòrgiu  
25 54.938

[name=Mn, right of=Cr, Metal] **Mn** ; [name=Tc, below of=Mn,

Manganese

43 96 75 186.21  
 Metal] **Tc** ; [name=Re, below of=Tc, Metal] **Re** ;  
 Tecnètziu Rèniu  
 107 264

[name=Bh, below of=Re, Metal] **Bh** ;  
 [shadow=false,  
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Bòhriu  
 26 55.845

[name=Fe, right of=Mn, Metal] **Fe** ; [name=Ru, below of=Fe,  
 Ferru

44 101.07 76 190.23  
 Metal] **Ru** ; [name=Os, below of=Ru, Metal] **Os** ;  
 Rutèniu Òsmiu  
 108 277

[name=Hs, below of=Os, Metal] **Hs** ;  
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Hàssiu

27 58.933

[name=Co, right of=Fe, Metal] **Co** ; [name=Rh, below of=Co,

Cobaltu

45 102.91

77 192.22

Metal] **Rh** ; [name=Ir, below of=Rh, Metal] **Ir** ;

Ròdiu

109 268

Irìdiu

[name=Mt, below of=Ir, Metal] **Mt** ;  
[shadow=false,  
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linestyle=solid,  
linecolor=black,  
linewidth=.2pt]

Meitnèriu  
28 58.693

[name=Ni, right of=Co, Metal] **Ni** ; [name=Pd, below of=Ni,

Nichel

46 106.42

78 195.08

Metal] **Pd** ; [name=Pt, below of=Pd, Metal] **Pt** ;

Pallàdiu

Plàtinu

110 281

[name=Ds, below of=Pt, Metal] **Ds** ;  
[shadow=false, fillstyle=solid, fillcolor=white, linestyle=solid, linecolor=black, linewidth=.2pt]

Darmstàdtiu  
29 63.546

[name=Cu, right of=Ni, Metal] **Cu** ; [name=Ag, below of=Cu,

47 107.87 Ràmene 79 196.97

Metal] **Ag** ; [name=Au, below of=Ag, Metal] **Au** ;

Prata 111 280 Oro

[name=Rg, below of=Au, Metal] **Rg** ;  
[shadow=false, fillstyle=solid, fillcolor=white, linestyle=solid, linecolor=black, linewidth=.2pt]

Roentgèniu  
30 65.39

[name=Zn, right of=Cu, Metal] **Zn** ; [name=Cd, below of=Zn,

Zincu

	48	112.41		80	200.59
Metal]	<b>Cd</b>		; [name=Hg, below of=Cd, Metal]	<b>Hg</b>	;
	Càdmium			Mercúriu	
		112	285		
			[shad- ow=false, fillsty- le=solid, fillco- lor=white, linesty- le=solid, lineco- lor=black, linewid- th=.2pt]		;
	[name=Uub, below of=Hg, Metal]		<b>Uub</b>		
			Unùnbium		
		31	69.723		
	[name=Ga, right of=Zn, Metal]		<b>Ga</b>	;	[name=Al, above of=Ga,
			Gàllium		
	13	26.982		5	10.811
Metal]	<b>Al</b>		; [name=B, above of=Al, Metalloid]	<b>B</b>	;
	Alluminiu			Boro	
		49	114.82		
	[name=In, below of=Ga, Metal]		<b>In</b>	;	[name=Tl, below of=In, Metal]
			Ìndiu		



			113	284
				[shadow=false, fillstyle=solid, fillcolor=white, linestyle=solid, linecolor=black, linewidth=.2pt] <b>Uut</b>
81	204.38			
	<b>Tl</b>	; [name=Uut, below of=Tl, Metal]		
	Tàlliu			
			6	12.011
				Unùntriu
		[name=C, right of=B, Nonmetal]	<b>C</b>	; [name=Si, below of=C,
				Carbòniu
	14	28.086		32
				72.64
				Metalloid]
	<b>Si</b>	; [name=Ge, below of=Si, Metalloid]		<b>Ge</b>
	Silitziu			Germàniu
			50	118.71
		[name=Sn, below of=Ge, Metal]	<b>Sn</b>	; [name=Pb, below of=Sn,
				Istagnu
				114
				289
				[shadow=false, fillstyle=solid, fillcolor=white, linestyle=solid, linecolor=black, linewidth=.2pt] <b>Uuq</b>
82	207.2			
	<b>Pb</b>	; [name=Uuq, below of=Pb, Metal]		
	Prumu			
				Ununcuàdiu

		7	14.007		
	[name=N, right of=C, Nonmetal]	<b>N</b>			; [name=P, below of=N,
			Azotu		
	<b>15</b>	30.974		<b>33</b>	74.922
Nonmetal]	<b>P</b>				<b>As</b>
					; [name=As, below of=P, Metalloid]
		Fòsforu			Arsènicu
		<b>51</b>	121.76		
	[name=Sb, below of=As, Metalloid]	<b>Sb</b>			; [name=Bi, below of=Sb,
			Antimòniu		
				<b>115</b>	288
					[shad- ow=false, fillsty- le=solid, fillco- lor=white, linesty- le=solid, lineco- lor=black, linewid- th=.2pt]Uup
	<b>83</b>	208.98			
Metal]	<b>Bi</b>				; [name=Uup, below of=Bi, Metal]
		Bismutu			
					Ununpèntiu
		<b>8</b>	15.999		
	[name=O, right of=N, Nonmetal]	<b>O</b>			; [name=S, below of=O,
			Ossìgenu		
	<b>16</b>	32.065		<b>34</b>	78.96
Nonmetal]	<b>S</b>				<b>Se</b>
					; [name=Se, below of=S, Nonmetal]
		Sùrfuru			Selèniu
		<b>52</b>	127.6		
	[name=Te, below of=Se, Metalloid]	<b>Te</b>			; [name=Po, below of=Te,
			Tellùriu		

116 293

84 209

Metalloid] **Po** ; [name=Uuh, below of=Po, Metal]

Polòniu

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linestyle=solid,  
linecolor=black,  
linewidth=.2pt]Uuh

Ununèxiu

;

9 18.998

[name=F, right of=O, Halogen]

**F**

; [name=Cl, below of=F,

Fluoro

17 35.453

35 79.904

Halogen] **Cl** ; [name=Br, below of=Cl, Halogen]

**Br**

Cloro

Bromo

53 126.9

; [name=I, below of=Br, Halogen]

**I**

; [name=At, below of=I,

Iòdiu

117 292

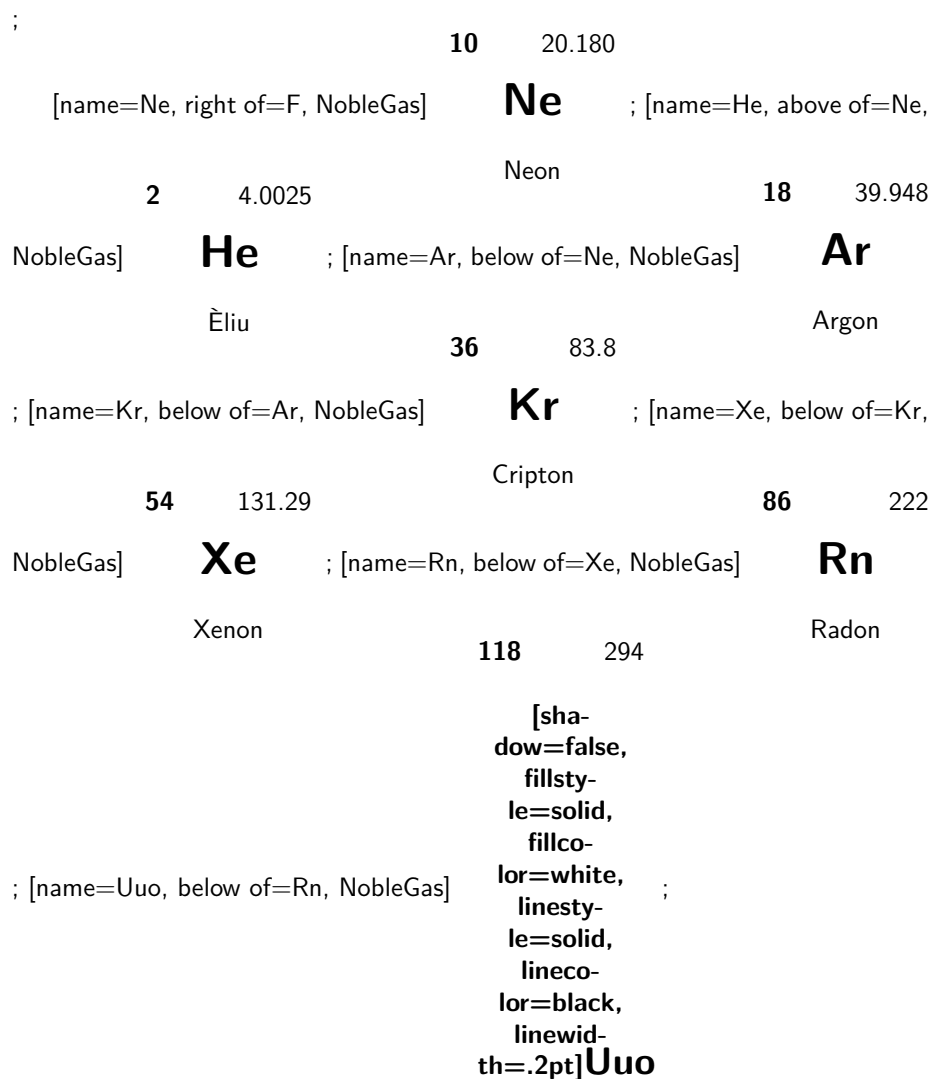
85 210

Halogen] **At** ; [name=Uus, below of=At, Halogen]

Astatu

[shadow=false,  
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linecolor=black,  
linewidth=.2pt]Uus

Ununsèptiu



Ununòctiu

[name=Period1, left of=H, PeriodLabel] 1; [name=Period2, left of=Li, PeriodLabel] 2; [name=Period3, left of=Na, PeriodLabel] 3; [name=Period4, left of=K, PeriodLabel] 4; [name=Period5, left of=Rb, PeriodLabel] 5; [name=Period6, left of=Cs, PeriodLabel] 6; [name=Period7, left of=Fr, PeriodLabel] 7;

[name=Group1, above of=H, GroupLabel] 1 IA; [name=Group2, above of=Be, GroupLabel] 2 IIA; [name=Group3, above of=Sc, GroupLabel] 3 IIIA; [name=Group4, above of=Ti, GroupLabel] 4 IVB; [name=Group5, above of=V, GroupLabel] 5 VB; [name=Group6, above of=Cr, GroupLabel] 6 VIB; [name=Group7, above of=Mn, GroupLabel] 7 VIIB; [name=Group8, above of=Fe, GroupLabel] 8 VIIIB; [name=Group9, above of=Co, GroupLabel] 9 VIIIB;

[name=Group10, above of=Ni, GroupLabel] 10 VIII B; [name=Group11, above of=Cu, GroupLabel] 11 IB; [name=Group12, above of=Zn, GroupLabel] 12 IIB; [name=Group13, above of=B, GroupLabel] 13 IIIA; [name=Group14, above of=C, GroupLabel] 14 IVA; [name=Group15, above of=N, GroupLabel] 15 VA; [name=Group16, above of=O, GroupLabel] 16 VIA; [name=Group17, above of=F, GroupLabel] 17 VIIA; [name=Group18, above of=He, GroupLabel] 18 VIIIA;  
**57** 138.91

[name=La, below of=Rf, LanthanideActinide, yshift=-1cm] **La** ;

**58** 140.12 Lantàniu

[name=Ce, right of=La, LanthanideActinide] **Ce** ; [name=Pr, right

**59** 140.91 Tzèriu

of=Ce, LanthanideActinide] **Pr** ; [name=Nd, right of=Pr, LanthanideActinide]

**60** 144.24 Praseodìmiu

nideActinide] **Nd** ; [name=Pm, right of=Nd, LanthanideActinide]

**61** 145 Neodìmiu **62** 150.36

**Pm** ; [name=Sm, right of=Pm, LanthanideActinide] **Sm**

Promètzium **63** 151.96 Samàriu

; [name=Eu, right of=Sm, LanthanideActinide] **Eu** ; [name=Gd,

**64** 157.25 Euròpiu

right of=Eu, LanthanideActinide] **Gd** ; [name=Tb, right of=Gd, LanthanideActinide]

**65** 158.93 Gadolìniu

thanideActinide] **Tb** ; [name=Dy, right of=Tb, LanthanideActinide]

Tèrbium

<p><b>66</b>    162.50</p> <p><b>Dy</b>    ; [name=Ho, right of=Dy, LanthanideActinide]</p> <p>Dispròsiu</p>	<p><b>67</b>    164.93</p> <p><b>Ho</b>    ;</p> <p>Òlmiu</p>
<p>[name=Er, right of=Ho, LanthanideActinide]</p>	<p><b>68</b>    167.26</p> <p><b>Er</b>    ; [name=Tm, right of=Er, LanthanideActinide]</p> <p>Èrbiu</p>
<p>of=Er, LanthanideActinide]</p>	<p><b>69</b>    168.93</p> <p><b>Tm</b>    ; [name=Yb, right of=Tm, LanthanideActinide]</p> <p>Tùliu</p>
<p><b>70</b>    173.04</p> <p>thanideActinide]</p>	<p><b>Yb</b>    ; [name=Lu, right of=Yb, LanthanideActinide]</p> <p>Itèrbiu</p>
<p><b>71</b>    174.97</p> <p><b>Lu</b>    ;</p> <p>Lutètziu</p>	<p><b>89</b>    227</p> <p>[name=Ac, below of=La, LanthanideActinide, yshift=-1cm]</p> <p><b>Ac</b></p> <p>Atìniu</p>
<p>; [name=Th, right of=Ac, LanthanideActinide]</p>	<p><b>90</b>    232.04</p> <p><b>Th</b>    ; [name=Pa, right of=Th, LanthanideActinide]</p> <p>Tòriu</p>
<p>right of=Th, LanthanideActinide]</p>	<p><b>91</b>    231.04</p> <p><b>Pa</b>    ; [name=U, right of=Pa, LanthanideActinide]</p> <p>Protoatìniu</p>
<p>thanideActinide]</p>	<p><b>92</b>    238.03</p> <p><b>U</b>    ; [name=Np, right of=U, LanthanideActinide]</p> <p>Uràniu</p>

93 237

[shadow=false,  
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linewidth=.2pt]**Np** ; [name=Pu, right of=Np, LanthanideActinide]

Netùniu

94 244

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linewidth=.2pt]**Pu** ;

Plutòniu

95 243

[name=Am, right of=Pu, LanthanideActinide] [shadow=false,  
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Amerìtziu

96 247

of=Am, LanthanideActinide] ; [name=Bk, right of=Cm, Lan-

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97 247 Cùriu

thanideActinide] ; [name=Cf, right of=Bk, LanthanideActinide]

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Berkèliu



98 251

[shadow=false,  
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 linewidth=.2pt]**Cf**

; [name=Es, right of=Cf, LanthanideActinide]

Califòrniu

99 252

[shadow=false,  
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 linewidth=.2pt]**Es**

;

Einsteiniu

100 257

[name=Fm, right of=Es, LanthanideActinide]

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 linewidth=.2pt]**Fm**

; [name=Md, right

Fèrmiu

101 258

[shadow=false,  
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linewidth=.2pt]Md

of=Fm, LanthanideActinide] ; [name=No, right of=Md, Lan-

102 259 Mendelèviu

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linewidth=.2pt]No

thanideActinide] ; [name=Lr, right of=No, LanthanideActinide]

Nobèliu

```

[shadown=false,
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linestyle=solid,
linewidth=.2pt]Lr

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```

Laurèntziu
(LaLu.north west) edge[dotted] (La.north west) (LaLu.north east) edge[dotted]
(Lu.north east) (LaLu.south west) edge[dotted] (La.south west) (LaLu.south east)
edge[dotted] (Lu.south east); (AcLr.north west) edge[dotted] (Ac.north west) (AcLr.north
east) edge[dotted] (Lr.north east) (AcLr.south west) edge[dotted] (Ac.south west)
(AcLr.south east) edge[dotted] (Lr.south east);

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[black, AlkaliMetalFill] ((La.north - |Fr.west) + (1em, -0.0em)) rectangle
+(1em, 1em) node[right, yshift=-1ex]Metallos Alcalinos; [black, AlkalineEarthMetalFill]
((La.north - |Fr.west) + (1em, -1.5em)) rectangle +(1em, 1em) node[right, yshift=-1ex]
Metallos Alcalinos Terrosos; [black, MetalFill] ((La.north - |Fr.west) + (1em, -3.0em))
rectangle +(1em, 1em) node[right, yshift=-1ex]Metallos; [black, MetalloidFill]
((La.north - |Fr.west) + (1em, -4.5em)) rectangle +(1em, 1em) node[right, yshift=-1ex]
Metalloïdes; [black, NonmetalFill] ((La.north - |Fr.west) + (1em, -6.0em)) rectangle
+(1em, 1em) node[right, yshift=-1ex]Non-metallos; [black, HalogenFill] ((La.north -
|Fr.west) + (1em, -7.5em)) rectangle +(1em, 1em) node[right, yshift=-1ex]Alògenos;
[black, NobleGasFill] ((La.north - |Fr.west) + (1em, -9.0em)) rectangle +(1em, 1em)
node[right, yshift=-1ex]Gassos Nòbiles; [black, LanthanideActinideFill] ((La.north -
|Fr.west) + (1em, -10.5em)) rectangle +(1em, 1em) node[right, yshift=-1ex]Lantànides/Atinides;
at ((La.north - |Fr.west) + (5em, -15em)) [name=elementLegend, Element,
Z massa

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```

fill=white] Simbulu ; [Element, fill=white, right of=elementLegend, xshift=1em]

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Nùmene