

> # $h^e + h + e = \text{prime}$ by $H \cdot E$ '20 - 8 - 17 :

> $c := 0$:for h from 1 to 100 do for e from 1 to 100 do if $\text{isprime}(h^e + h + e)$ then $c := c + 1$: print($[h]^e + \{h\} + e = (\text{evalf}(h^e + h + e)) \text{Prime}[H \cdot E](\text{No}\{c\})$) : print() fi : od:od

$$[1] + \{1\} + 1 = 3. \text{Prime}_{H \cdot E}(\text{No } \{1\})$$

$$[1]^3 + \{1\} + 3 = 5. \text{Prime}_{H \cdot E}(\text{No } \{2\})$$

$$[1]^5 + \{1\} + 5 = 7. \text{Prime}_{H \cdot E}(\text{No } \{3\})$$

$$[1]^9 + \{1\} + 9 = 11. \text{Prime}_{H \cdot E}(\text{No } \{4\})$$

$$[1]^{11} + \{1\} + 11 = 13. \text{Prime}_{H \cdot E}(\text{No } \{5\})$$

$$[1]^{15} + \{1\} + 15 = 17. \text{Prime}_{H \cdot E}(\text{No } \{6\})$$

$$[1]^{17} + \{1\} + 17 = 19. \text{Prime}_{H \cdot E}(\text{No } \{7\})$$

$$[1]^{21} + \{1\} + 21 = 23. \text{Prime}_{H \cdot E}(\text{No } \{8\})$$

$$[1]^{27} + \{1\} + 27 = 29. \text{Prime}_{H \cdot E}(\text{No } \{9\})$$

$$[1]^{29} + \{1\} + 29 = 31. \text{Prime}_{H \cdot E}(\text{No } \{10\})$$

$$[1]^{35} + \{1\} + 35 = 37. \text{Prime}_{H \cdot E}(\text{No } \{11\})$$

$$[1]^{39} + \{1\} + 39 = 41. \text{Prime}_{H \cdot E}(\text{No } \{12\})$$

$$[1]^{41} + \{1\} + 41 = 43. \text{Prime}_{H \cdot E}(\text{No } \{13\})$$

$$[1]^{45} + \{1\} + 45 = 47. \text{Prime}_{H \cdot E}(\text{No } \{14\})$$

$$[1]^{51} + \{1\} + 51 = 53. \text{Prime}_{H \cdot E}(\text{No } \{15\})$$

$$[1]^{57} + \{1\} + 57 = 59. \text{Prime}_{H \cdot E}(\text{No } \{16\})$$

$$[1]^{59} + \{1\} + 59 = 61. \text{Prime}_{H \cdot E}(\text{No } \{17\})$$

$$[1]^{65} + \{1\} + 65 = 67. \text{Prime}_{H.E}(\text{No } \{18\})$$

$$[1]^{69} + \{1\} + 69 = 71. \text{Prime}_{H.E}(\text{No } \{19\})$$

$$[1]^{71} + \{1\} + 71 = 73. \text{Prime}_{H.E}(\text{No } \{20\})$$

$$[1]^{77} + \{1\} + 77 = 79. \text{Prime}_{H.E}(\text{No } \{21\})$$

$$[1]^{81} + \{1\} + 81 = 83. \text{Prime}_{H.E}(\text{No } \{22\})$$

$$[1]^{87} + \{1\} + 87 = 89. \text{Prime}_{H.E}(\text{No } \{23\})$$

$$[1]^{95} + \{1\} + 95 = 97. \text{Prime}_{H.E}(\text{No } \{24\})$$

$$[1]^{99} + \{1\} + 99 = 101. \text{Prime}_{H.E}(\text{No } \{25\})$$

$$[2] + \{2\} + 1 = 5. \text{Prime}_{H.E}(\text{No } \{26\})$$

$$[2]^3 + \{2\} + 3 = 13. \text{Prime}_{H.E}(\text{No } \{27\})$$

$$[2]^7 + \{2\} + 7 = 137. \text{Prime}_{H.E}(\text{No } \{28\})$$

$$[2]^9 + \{2\} + 9 = 523. \text{Prime}_{H.E}(\text{No } \{29\})$$

$$[2]^{19} + \{2\} + 19 = 524309. \text{Prime}_{H.E}(\text{No } \{30\})$$

$$[2]^{27} + \{2\} + 27 = 1.34217757 \cdot 10^8 \text{Prime}_{H.E}(\text{No } \{31\})$$

$$[2]^{33} + \{2\} + 33 = 8.589934627 \cdot 10^9 \text{Prime}_{H.E}(\text{No } \{32\})$$

$$[3] + \{3\} + 1 = 7. \text{Prime}_{H.E}(\text{No } \{33\})$$

$$[3]^5 + \{3\} + 5 = 251. \text{Prime}_{H.E}(\text{No } \{34\})$$

$$[3]^{13} + \{3\} + 13 = 1.594339 \cdot 10^6 \text{Prime}_{H.E}(\text{No } \{35\})$$

$$[3]^{25} + \{3\} + 25 = 8.472886095 \cdot 10^{11} \text{Prime}_{H.E}(\text{No } \{36\})$$

$$[3]^{97} + \{3\} + 97 = 1.908805632 \cdot 10^{46} \text{ Prime}_{H \cdot E}(\text{No } \{37\})$$

$$[4]^3 + \{4\} + 3 = 71. \text{ Prime}_{H \cdot E}(\text{No } \{38\})$$

$$[4]^5 + \{4\} + 5 = 1033. \text{ Prime}_{H \cdot E}(\text{No } \{39\})$$

$$[4]^{11} + \{4\} + 11 = 4.194319 \cdot 10^6 \text{ Prime}_{H \cdot E}(\text{No } \{40\})$$

$$[4]^{15} + \{4\} + 15 = 1.073741843 \cdot 10^9 \text{ Prime}_{H \cdot E}(\text{No } \{41\})$$

$$[4]^{39} + \{4\} + 39 = 3.022314549 \cdot 10^{23} \text{ Prime}_{H \cdot E}(\text{No } \{42\})$$

$$[4]^{41} + \{4\} + 41 = 4.835703278 \cdot 10^{24} \text{ Prime}_{H \cdot E}(\text{No } \{43\})$$

$$[5] + \{5\} + 1 = 11. \text{ Prime}_{H \cdot E}(\text{No } \{44\})$$

$$[5]^7 + \{5\} + 7 = 78137. \text{ Prime}_{H \cdot E}(\text{No } \{45\})$$

$$[5]^{37} + \{5\} + 37 = 7.275957614 \cdot 10^{25} \text{ Prime}_{H \cdot E}(\text{No } \{46\})$$

$$[6] + \{6\} + 1 = 13. \text{ Prime}_{H \cdot E}(\text{No } \{47\})$$

$$[6]^7 + \{6\} + 7 = 279949. \text{ Prime}_{H \cdot E}(\text{No } \{48\})$$

$$[7]^3 + \{7\} + 3 = 353. \text{ Prime}_{H \cdot E}(\text{No } \{49\})$$

$$[7]^{11} + \{7\} + 11 = 1.977326761 \cdot 10^9 \text{ Prime}_{H \cdot E}(\text{No } \{50\})$$

$$[7]^{17} + \{7\} + 17 = 2.326305140 \cdot 10^{14} \text{ Prime}_{H \cdot E}(\text{No } \{51\})$$

$$[7]^{33} + \{7\} + 33 = 7.730993720 \cdot 10^{27} \text{ Prime}_{H \cdot E}(\text{No } \{52\})$$

$$[8] + \{8\} + 1 = 17. \text{ Prime}_{H \cdot E}(\text{No } \{53\})$$

$$[8]^3 + \{8\} + 3 = 523. \text{ Prime}_{H \cdot E}(\text{No } \{54\})$$

$$[8]^{21} + \{8\} + 21 = 9.223372037 \cdot 10^{18} \text{ Prime}_{H \cdot E}(\text{No } \{55\})$$

$$[8]^{25} + \{8\} + 25 = 3.777893186 \cdot 10^{22} \text{ Prime}_{H.E}(\text{No } \{56\})$$

$$[9] + \{9\} + 1 = 19. \text{ Prime}_{H.E}(\text{No } \{57\})$$

$$[9]^5 + \{9\} + 5 = 59063. \text{ Prime}_{H.E}(\text{No } \{58\})$$

$$[9]^{89} + \{9\} + 89 = 8.464149783 \cdot 10^{84} \text{ Prime}_{H.E}(\text{No } \{59\})$$

$$[10]^3 + \{10\} + 3 = 1013. \text{ Prime}_{H.E}(\text{No } \{60\})$$

$$[11] + \{11\} + 1 = 23. \text{ Prime}_{H.E}(\text{No } \{61\})$$

$$[11]^{69} + \{11\} + 69 = 7.179517789 \cdot 10^{71} \text{ Prime}_{H.E}(\text{No } \{62\})$$

$$[12]^{13} + \{12\} + 13 = 1.069932054 \cdot 10^{14} \text{ Prime}_{H.E}(\text{No } \{63\})$$

$$[12]^{17} + \{12\} + 17 = 2.218611107 \cdot 10^{18} \text{ Prime}_{H.E}(\text{No } \{64\})$$

$$[12]^{59} + \{12\} + 59 = 4.695626196 \cdot 10^{63} \text{ Prime}_{H.E}(\text{No } \{65\})$$

$$[13]^3 + \{13\} + 3 = 2213. \text{ Prime}_{H.E}(\text{No } \{66\})$$

$$[13]^5 + \{13\} + 5 = 371311. \text{ Prime}_{H.E}(\text{No } \{67\})$$

$$[14] + \{14\} + 1 = 29. \text{ Prime}_{H.E}(\text{No } \{68\})$$

$$[14]^9 + \{14\} + 9 = 2.066104681 \cdot 10^{10} \text{ Prime}_{H.E}(\text{No } \{69\})$$

$$[14]^{45} + \{14\} + 45 = 3.764970741 \cdot 10^{51} \text{ Prime}_{H.E}(\text{No } \{70\})$$

$$[15] + \{15\} + 1 = 31. \text{ Prime}_{H.E}(\text{No } \{71\})$$

$$[15]^7 + \{15\} + 7 = 1.70859397 \cdot 10^8 \text{ Prime}_{H.E}(\text{No } \{72\})$$

$$[16]^{11} + \{16\} + 11 = 1.759218604 \cdot 10^{13} \text{ Prime}_{H.E}(\text{No } \{73\})$$

$$[16]^{17} + \{16\} + 17 = 2.951479052 \cdot 10^{20} \text{ Prime}_{H.E}(\text{No } \{74\})$$

$$[17]^3 + \{17\} + 3 = 4933. \text{Prime}_{H.E}(\text{No } \{75\})$$

$$[17]^7 + \{17\} + 7 = 4.10338697 \cdot 10^8 \text{Prime}_{H.E}(\text{No } \{76\})$$

$$[18] + \{18\} + 1 = 37. \text{Prime}_{H.E}(\text{No } \{77\})$$

$$[18]^{25} + \{18\} + 25 = 2.408865921 \cdot 10^{31} \text{Prime}_{H.E}(\text{No } \{78\})$$

$$[19]^{11} + \{19\} + 11 = 1.164902589 \cdot 10^{14} \text{Prime}_{H.E}(\text{No } \{79\})$$

$$[19]^{53} + \{19\} + 53 = 5.942112235 \cdot 10^{67} \text{Prime}_{H.E}(\text{No } \{80\})$$

$$[20] + \{20\} + 1 = 41. \text{Prime}_{H.E}(\text{No } \{81\})$$

$$[21] + \{21\} + 1 = 43. \text{Prime}_{H.E}(\text{No } \{82\})$$

$$[21]^{65} + \{21\} + 65 = 8.795370887 \cdot 10^{85} \text{Prime}_{H.E}(\text{No } \{83\})$$

$$[22]^{29} + \{22\} + 29 = 8.516433191 \cdot 10^{38} \text{Prime}_{H.E}(\text{No } \{84\})$$

$$[23] + \{23\} + 1 = 47. \text{Prime}_{H.E}(\text{No } \{85\})$$

$$[23]^7 + \{23\} + 7 = 3.404825477 \cdot 10^9 \text{Prime}_{H.E}(\text{No } \{86\})$$

$$[23]^{37} + \{23\} + 37 = 2.420638479 \cdot 10^{50} \text{Prime}_{H.E}(\text{No } \{87\})$$

$$[24]^{13} + \{24\} + 13 = 8.764883385 \cdot 10^{17} \text{Prime}_{H.E}(\text{No } \{88\})$$

$$[25]^{27} + \{25\} + 27 = 5.551115123 \cdot 10^{37} \text{Prime}_{H.E}(\text{No } \{89\})$$

$$[26] + \{26\} + 1 = 53. \text{Prime}_{H.E}(\text{No } \{90\})$$

$$[26]^{61} + \{26\} + 61 = 2.057662895 \cdot 10^{86} \text{Prime}_{H.E}(\text{No } \{91\})$$

$$[28]^{27} + \{28\} + 27 = 1.183768683 \cdot 10^{39} \text{Prime}_{H.E}(\text{No } \{92\})$$

$$[29] + \{29\} + 1 = 59. \text{Prime}_{H.E}(\text{No } \{93\})$$

$$[29]^3 + \{29\} + 3 = 24421. \text{Prime}_{H.E}(\text{No } \{94\})$$

$$[29]^{79} + \{29\} + 79 = 3.384089450 \cdot 10^{115} \text{Prime}_{H.E}(\text{No } \{95\})$$

$$[30] + \{30\} + 1 = 61. \text{Prime}_{H.E}(\text{No } \{96\})$$

$$[30]^{11} + \{30\} + 11 = 1.771470000 \cdot 10^{16} \text{Prime}_{H.E}(\text{No } \{97\})$$

$$[31]^5 + \{31\} + 5 = 2.8629187 \cdot 10^7 \text{Prime}_{H.E}(\text{No } \{98\})$$

$$[31]^{15} + \{31\} + 15 = 2.346526199 \cdot 10^{22} \text{Prime}_{H.E}(\text{No } \{99\})$$

$$[32]^3 + \{32\} + 3 = 32803. \text{Prime}_{H.E}(\text{No } \{100\})$$

$$[32]^{31} + \{32\} + 31 = 4.567192617 \cdot 10^{46} \text{Prime}_{H.E}(\text{No } \{101\})$$

$$[33] + \{33\} + 1 = 67. \text{Prime}_{H.E}(\text{No } \{102\})$$

$$[34]^3 + \{34\} + 3 = 39341. \text{Prime}_{H.E}(\text{No } \{103\})$$

$$[35] + \{35\} + 1 = 71. \text{Prime}_{H.E}(\text{No } \{104\})$$

$$[35]^{87} + \{35\} + 87 = 2.157346272 \cdot 10^{134} \text{Prime}_{H.E}(\text{No } \{105\})$$

$$[36] + \{36\} + 1 = 73. \text{Prime}_{H.E}(\text{No } \{106\})$$

$$[38]^7 + \{38\} + 7 = 1.144155826 \cdot 10^{11} \text{Prime}_{H.E}(\text{No } \{107\})$$

$$[38]^{27} + \{38\} + 27 = 4.509798197 \cdot 10^{42} \text{Prime}_{H.E}(\text{No } \{108\})$$

$$[39] + \{39\} + 1 = 79. \text{Prime}_{H.E}(\text{No } \{109\})$$

$$[39]^{11} + \{39\} + 11 = 3.174758373 \cdot 10^{17} \text{Prime}_{H.E}(\text{No } \{110\})$$

$$[41] + \{41\} + 1 = 83. \text{Prime}_{H.E}(\text{No } \{111\})$$

$$[41]^{31} + \{41\} + 31 = 9.915156154 \cdot 10^{49} \text{Prime}_{H.E}(\text{No } \{112\})$$

$$[42]^5 + \{42\} + 5 = 1.30691279 \cdot 10^8 \text{ Prime}_{H \cdot E}(\text{No } \{113\})$$

$$[42]^{11} + \{42\} + 11 = 7.173683211 \cdot 10^{17} \text{ Prime}_{H \cdot E}(\text{No } \{114\})$$

$$[42]^{23} + \{42\} + 23 = 2.161392694 \cdot 10^{37} \text{ Prime}_{H \cdot E}(\text{No } \{115\})$$

$$[44] + \{44\} + 1 = 89. \text{ Prime}_{H \cdot E}(\text{No } \{116\})$$

$$[44]^{21} + \{44\} + 21 = 3.254664345 \cdot 10^{34} \text{ Prime}_{H \cdot E}(\text{No } \{117\})$$

$$[45]^{67} + \{45\} + 67 = 5.824228738 \cdot 10^{110} \text{ Prime}_{H \cdot E}(\text{No } \{118\})$$

$$[46]^{99} + \{46\} + 99 = 4.102280347 \cdot 10^{164} \text{ Prime}_{H \cdot E}(\text{No } \{119\})$$

$$[48] + \{48\} + 1 = 97. \text{ Prime}_{H \cdot E}(\text{No } \{120\})$$

$$[48]^5 + \{48\} + 5 = 2.54804021 \cdot 10^8 \text{ Prime}_{H \cdot E}(\text{No } \{121\})$$

$$[48]^7 + \{48\} + 7 = 5.870683423 \cdot 10^{11} \text{ Prime}_{H \cdot E}(\text{No } \{122\})$$

$$[49]^3 + \{49\} + 3 = 117701. \text{ Prime}_{H \cdot E}(\text{No } \{123\})$$

$$[49]^9 + \{49\} + 9 = 1.628413598 \cdot 10^{15} \text{ Prime}_{H \cdot E}(\text{No } \{124\})$$

$$[50] + \{50\} + 1 = 101. \text{ Prime}_{H \cdot E}(\text{No } \{125\})$$

$$[50]^3 + \{50\} + 3 = 125053. \text{ Prime}_{H \cdot E}(\text{No } \{126\})$$

$$[50]^9 + \{50\} + 9 = 1.953125000 \cdot 10^{15} \text{ Prime}_{H \cdot E}(\text{No } \{127\})$$

$$[51] + \{51\} + 1 = 103. \text{ Prime}_{H \cdot E}(\text{No } \{128\})$$

$$[52]^3 + \{52\} + 3 = 140663. \text{ Prime}_{H \cdot E}(\text{No } \{129\})$$

$$[52]^5 + \{52\} + 5 = 3.80204089 \cdot 10^8 \text{ Prime}_{H \cdot E}(\text{No } \{130\})$$

$$[53] + \{53\} + 1 = 107. \text{ Prime}_{H \cdot E}(\text{No } \{131\})$$

$$[53]^3 + \{53\} + 3 = 148933. \text{Prime}_{H \cdot E}(\text{No } \{132\})$$

$$[53]^{33} + \{53\} + 33 = 7.963494727 \cdot 10^{56} \text{Prime}_{H \cdot E}(\text{No } \{133\})$$

$$[54] + \{54\} + 1 = 109. \text{Prime}_{H \cdot E}(\text{No } \{134\})$$

$$[54]^{23} + \{54\} + 23 = 6.999330098 \cdot 10^{39} \text{Prime}_{H \cdot E}(\text{No } \{135\})$$

$$[54]^{31} + \{54\} + 31 = 5.060652942 \cdot 10^{53} \text{Prime}_{H \cdot E}(\text{No } \{136\})$$

$$[56] + \{56\} + 1 = 113. \text{Prime}_{H \cdot E}(\text{No } \{137\})$$

$$[56]^{39} + \{56\} + 39 = 1.511238654 \cdot 10^{68} \text{Prime}_{H \cdot E}(\text{No } \{138\})$$

$$[58]^{11} + \{58\} + 11 = 2.498664400 \cdot 10^{19} \text{Prime}_{H \cdot E}(\text{No } \{139\})$$

$$[59]^3 + \{59\} + 3 = 205441. \text{Prime}_{H \cdot E}(\text{No } \{140\})$$

$$[60]^{79} + \{60\} + 79 = 2.978165171 \cdot 10^{140} \text{Prime}_{H \cdot E}(\text{No } \{141\})$$

$$[61]^{15} + \{61\} + 15 = 6.024867845 \cdot 10^{26} \text{Prime}_{H \cdot E}(\text{No } \{142\})$$

$$[63] + \{63\} + 1 = 127. \text{Prime}_{H \cdot E}(\text{No } \{143\})$$

$$[64]^{23} + \{64\} + 23 = 3.484491437 \cdot 10^{41} \text{Prime}_{H \cdot E}(\text{No } \{144\})$$

$$[65] + \{65\} + 1 = 131. \text{Prime}_{H \cdot E}(\text{No } \{145\})$$

$$[65]^3 + \{65\} + 3 = 274693. \text{Prime}_{H \cdot E}(\text{No } \{146\})$$

$$[65]^{67} + \{65\} + 67 = 2.918736540 \cdot 10^{121} \text{Prime}_{H \cdot E}(\text{No } \{147\})$$

$$[68] + \{68\} + 1 = 137. \text{Prime}_{H \cdot E}(\text{No } \{148\})$$

$$[69] + \{69\} + 1 = 139. \text{Prime}_{H \cdot E}(\text{No } \{149\})$$

$$[69]^5 + \{69\} + 5 = 1.564031423 \cdot 10^9 \text{Prime}_{H \cdot E}(\text{No } \{150\})$$

$$[70]^3 + \{70\} + 3 = 343073. \text{Prime}_{H \cdot E}(\text{No } \{151\})$$

$$[70]^{11} + \{70\} + 11 = 1.977326743 \cdot 10^{20} \text{Prime}_{H \cdot E}(\text{No } \{152\})$$

$$[71]^{15} + \{71\} + 15 = 5.873205959 \cdot 10^{27} \text{Prime}_{H \cdot E}(\text{No } \{153\})$$

$$[71]^{21} + \{71\} + 21 = 7.523593509 \cdot 10^{38} \text{Prime}_{H \cdot E}(\text{No } \{154\})$$

$$[71]^{27} + \{71\} + 27 = 9.637744646 \cdot 10^{49} \text{Prime}_{H \cdot E}(\text{No } \{155\})$$

$$[72]^{11} + \{72\} + 11 = 2.695612495 \cdot 10^{20} \text{Prime}_{H \cdot E}(\text{No } \{156\})$$

$$[73]^{51} + \{73\} + 51 = 1.070202266 \cdot 10^{95} \text{Prime}_{H \cdot E}(\text{No } \{157\})$$

$$[74] + \{74\} + 1 = 149. \text{Prime}_{H \cdot E}(\text{No } \{158\})$$

$$[75] + \{75\} + 1 = 151. \text{Prime}_{H \cdot E}(\text{No } \{159\})$$

$$[76]^{15} + \{76\} + 15 = 1.630061103 \cdot 10^{28} \text{Prime}_{H \cdot E}(\text{No } \{160\})$$

$$[77]^3 + \{77\} + 3 = 456613. \text{Prime}_{H \cdot E}(\text{No } \{161\})$$

$$[78] + \{78\} + 1 = 157. \text{Prime}_{H \cdot E}(\text{No } \{162\})$$

$$[79]^3 + \{79\} + 3 = 493121. \text{Prime}_{H \cdot E}(\text{No } \{163\})$$

$$[81] + \{81\} + 1 = 163. \text{Prime}_{H \cdot E}(\text{No } \{164\})$$

$$[81]^{35} + \{81\} + 35 = 6.265787482 \cdot 10^{66} \text{Prime}_{H \cdot E}(\text{No } \{165\})$$

$$[83] + \{83\} + 1 = 167. \text{Prime}_{H \cdot E}(\text{No } \{166\})$$

$$[83]^3 + \{83\} + 3 = 571873. \text{Prime}_{H \cdot E}(\text{No } \{167\})$$

$$[83]^7 + \{83\} + 7 = 2.713605099 \cdot 10^{13} \text{Prime}_{H \cdot E}(\text{No } \{168\})$$

$$[83]^{13} + \{83\} + 13 = 8.871870642 \cdot 10^{24} \text{Prime}_{H \cdot E}(\text{No } \{169\})$$

$$[83]^{31} + \{83\} + 31 = 3.100422384 \cdot 10^{59} \text{ Prime}_{H \cdot E}(\text{No } \{170\})$$

$$[85]^{23} + \{85\} + 23 = 2.380319703 \cdot 10^{44} \text{ Prime}_{H \cdot E}(\text{No } \{171\})$$

$$[85]^{81} + \{85\} + 81 = 1.918372689 \cdot 10^{156} \text{ Prime}_{H \cdot E}(\text{No } \{172\})$$

$$[86] + \{86\} + 1 = 173. \text{ Prime}_{H \cdot E}(\text{No } \{173\})$$

$$[88]^3 + \{88\} + 3 = 681563. \text{ Prime}_{H \cdot E}(\text{No } \{174\})$$

$$[88]^{53} + \{88\} + 53 = 1.141777877 \cdot 10^{103} \text{ Prime}_{H \cdot E}(\text{No } \{175\})$$

$$[89] + \{89\} + 1 = 179. \text{ Prime}_{H \cdot E}(\text{No } \{176\})$$

$$[90] + \{90\} + 1 = 181. \text{ Prime}_{H \cdot E}(\text{No } \{177\})$$

$$[90]^{19} + \{90\} + 19 = 1.350851718 \cdot 10^{37} \text{ Prime}_{H \cdot E}(\text{No } \{178\})$$

$$[91]^9 + \{91\} + 9 = 4.279298001 \cdot 10^{17} \text{ Prime}_{H \cdot E}(\text{No } \{179\})$$

$$[93]^{11} + \{93\} + 11 = 4.501035457 \cdot 10^{21} \text{ Prime}_{H \cdot E}(\text{No } \{180\})$$

$$[95] + \{95\} + 1 = 191. \text{ Prime}_{H \cdot E}(\text{No } \{181\})$$

$$[96] + \{96\} + 1 = 193. \text{ Prime}_{H \cdot E}(\text{No } \{182\})$$

$$[96]^{37} + \{96\} + 37 = 2.208185849 \cdot 10^{73} \text{ Prime}_{H \cdot E}(\text{No } \{183\})$$

$$[97]^3 + \{97\} + 3 = 912773. \text{ Prime}_{H \cdot E}(\text{No } \{184\})$$

$$[97]^{57} + \{97\} + 57 = 1.761930823 \cdot 10^{113} \text{ Prime}_{H \cdot E}(\text{No } \{185\})$$

$$[98] + \{98\} + 1 = 197. \text{ Prime}_{H \cdot E}(\text{No } \{186\})$$

$$[99] + \{99\} + 1 = 199. \text{ Prime}_{H \cdot E}(\text{No } \{187\})$$