1 Prover
Automated
Euclid 4
8

Main | 1 + 24 = 25
Include | 13 + 13 = 2
GNU
License | 1 + 26 = 27
Help | 14 + 14 = 2

// Axioms (Syntax & Semantics assumed valid) // (0018) (0022) // Lemma Substitutions // (6100) (0020) (0021) (0015) (2100) (6000) (1100) (0012) (0013) (00100) (0014) (9100) (8000) (2000) (5000) (9000) (1000) (0002) (0004) I+I6=I7I + I8 = I9I0 + I0 = 20I2 + I2 = 24II + II = 22I + I4 = I5I+22=23I + I2 = I37 + 7 = 148I = 6 + 6I + 20 = 2I $5+5=I\theta$ $I+I\theta=II$ 6+6=129I = 8 + 8I + I = 26 = 8 + II + 2 = 32 + 2 = 4I + 4 = 5L = 9 + I4+4=8 3 + 3 = 6

(0023)	(0024)	(0025)	(9076)	(0027)	(0028)	(0076)	(0030)	(0031)	(0032)	(0033)	(0034)	(0035)	(0036)	(0037)	(0038)	(6636)	(0040)	(0041)	(0042)	(0043)	(0044)	(0045)	(0046)	(0047)	(0048)	(0049)	(0020)	(1500)	(0052)
I + 24 = 25	I3 + I3 = 26	I + 26 = 27	14 + 14 = 28	I + 28 = 29	IS + IS = 30	$I+3\theta=3I$	I6 + I6 = 32	I + 32 = 33	I7 + I7 = 34	I + 34 = 35	I8 + I8 = 36	I + 36 = 37	I9 + I9 = 38	I + 38 = 39	20 + 20 = 40	I+40=4I	2I + 2I = 42	I + 42 = 43	22 + 22 = 44	I + 44 = 45	23 + 23 = 46	I + 46 = 47	24 + 24 = 48	I + 48 = 49	25 + 25 = 50	I+50=5I	26 + 26 = 52	I + 52 = 53	27 + 27 = 54

I + 54 = 55	(0053)	43 + 43 = 86	(0084)
28 + 28 = 56	(†50a)		(1000)
I + 56 = 57	(0055)	1 + 00 - 0/ $44 + 44 = 88$	(1000)
29 + 29 = 58	(9500)		(2000)
I + 58 = 59	(0027)	•	(0008)
30 + 30 = 60	(0058)		(6800)
I9 = 09 + I	(0059)	2	(0600)
3I + 3I = 62	(1060)	I + 92 = 93	(1600)
I + 62 = 63	(0061)	47 + 47 = 94	(0003)
32 + 32 = 64	(0062)	I + 94 = 95	(6003)
I+64=65	(4063)	48 + 48 = 96	(0004)
33 + 33 = 66	(10064)	26 = 96 + I	(5600)
29 = 99 + I	(4065)	49 + 49 = 98	(9600)
34 + 34 = 68	(9900)	66 = 86 + I	(2600)
69 = 89 + I	(0067)	00	(8600)
35 + 35 = 70	(0068)	I + I 00 = I0I	(6600)
I + 70 = 7I	(6900)	5I + 5I = I02	(0100)
36 + 36 = 72	(4070)	I + I02 = I03	(1010)
I + 72 = 73	(0071)	52 + 52 = 104	(0102)
37 + 37 = 74	(0072)	I + I04 = I05	(0103)
I + 74 = 75	(4073)	53 + 53 = 106	(0104)
38 + 38 = 76	(0074)	I + I06 = I07	(0105)
I + 76 = 77	(0075)	54 + 54 = 108	(90100)
39 + 39 = 78	(90.76)	I + I08 = I09	(2010)
I + 78 = 79	(9077)	$55 + 55 = II\theta$	(0108)
40 + 40 = 80	(00.78)	I + II0 = III	(6010)
$I + 8\theta = 8I$	(0079)	56 + 56 = 112	(0110)
4I + 4I = 82	(0080)	I + I12 = I13	(1110)
I + 82 = 83	(4081)	57 + 57 = II4	(0112)
42 + 42 = 84	(0082)	I + II4 = II5	(6113)
I + 84 = 85	(0083)		

(6883)

I + 84 = 85

1 + 146 = 147 (0) 45)									$78 + 78 = I56 \tag{0.0154}$	I + I56 = I57 (0155)	79 + 79 = 158		$80 + 80 = 160 \tag{0158}$	I + I60 = I6I (0159)		I + I62 = I63 (0161)	$82 + 82 = 164 \tag{0162}$			I + I66 = I67 (0165)	$84 + 84 = 168 \tag{0166}$	I + I68 = I69 (0167)	$85 + 85 = 170 \tag{0168}$	I + I 70 = I7I	$86 + 86 = I72 \tag{0170}$	I + I72 = I73 (0171)				
(0114)	(0115)	(0116)	(0117)	(0118)	(6110)	(0120)	(0121)	(0122)	(0123)	(0124)	(0125)	(0126)	(0127)	(0128)	(0129)	(0130)	(0131)	(0132)	(0133)	(0134)	(0135)	(0136)	(0137)	(0138)	(0139)	(0140)	(0141)	(0142)	(0143)	
58 + 58 = 116	I + II6 = II7	59 + 59 = 118	I+II8=II9	$\theta\theta + \theta\theta = 12\theta$	I + I20 = I2I	6I + 6I = 122	I + I22 = I23	62 + 62 = 124	I + 124 = 125	63 + 63 = 126	I + I26 = I27	64 + 64 = 128	I + I28 = I29	65 + 65 = 130	I + I30 = I3I	66 + 66 = 132	I + I32 = I33	67 + 67 = 134	I + I34 = I35	98 + 68 = 136	I + I36 = I37	69 + 69 = 138	I + I38 = I39	70 + 70 = 140	I + I40 = I4I	7I + 7I = 142	I + I42 = I43	72 + 72 = 144	I + I44 = I45	

I + I76 = I77	(0.175)	104 + 104 = 208	(0200)
89 + 89 = 178	(0176)	I + 208 = 209	(0207)
I + I / 8 = I / 9	(0.177)	105 + 105 = 210	(0208)
90 + 90 = 180	(0178)	I + 210 = 211	(0200)
I + I80 = I8I	(0179)	106 + 106 = 212	(0210)
9I + 9I = I82	(0180)	I + 212 = 213	(0211)
I + 182 = 183	(0181)	107 + 107 = 214	(0212)
92 + 92 = 184	(0182)	I + 214 = 215	(0213)
I + I84 = I85	(0.183)	108 + 108 = 216	(0214)
93 + 93 = 186	(0.184)	I + 216 = 217	(0215)
I + I86 = I87	(0.185)	109 + 109 = 218	(0216)
94 + 94 = 188	(0186)	I + 2I8 = 2I9	(0217)
I + I88 = I89	(287)	II0 + II0 = 220	(0218)
95 + 95 = 190	(0188)	I + 220 = 22I	(0219)
I + I = 06I + I	(0189)	III + III = 222	(0220)
96 + 96 = 192	(0190)	I + 222 = 223	(0221)
I + I92 = I93	(0191)	I12 + I12 = 224	(0222)
97 + 97 = 194	(0192)	I + 224 = 225	(0223)
I + I94 = I95	(0193)	II3 + II3 = 226	(0224)
96I = 86 + 86	(0194)	I + 226 = 227	(0225)
I + 196 = 197	(0195)	114 + 114 = 228	(0226)
99 + 99 = 198	(9196)	I + 228 = 229	(0227)
I + I98 = I99	(0197)	II5 + II5 = 230	(0228)
100 + 100 = 200	(6198)	I + 230 = 23I	(0229)
I + 200 = 20I	(610)	116 + 116 = 232	(0230)
10I + 10I = 202	(0.70)	I + 232 = 233	(0231)
I + 202 = 203	(0201)	II7 + II7 = 234	(0232)
102 + 102 = 204	(0202)	I + 234 = 235	(0233)
I + 204 = 205	(0203)	II8 + II8 = 236	(0234)
103 + 103 = 206	(0204)	I + 236 = 237	(0235)
I + 206 = 207	(0.205)		

								0	Prove: I + I + I + I + I + I + I + I + I + I
(0236)	(0237)	(0238)	(0239)	(0240)	(0241)	(0242)	(0243)	(0244)	+ + + + + + + + + +
II9 + II9 = 238	I + 238 = 239	120 + 120 = 240	I + 240 = 24I	I2I + I2I = 242	I + 242 = 243	122 + 122 = 244	I + 244 = 245	123 + 123 = 246	Prove: 1+1+1+1 +1+1+1+1+1+1+1+1+1+1+1+1+1+1+1+

View Source View Symbo

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Q.E.D. (via Auto)