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1: /* $Id: database.pl,v 1.1 2016-11-08 15:52:34-08 - - $ */
2:
3: /*
4:  * Airport Database.
5:  * For each airport:
6:  * - three-letter airport code
7:  * - name of city
8:  * - north latitude: degrees and minutes
9:  * - west longitude: degrees and minutes
10: * North latitudes and West longitudes are in degrees, minutes.
11: */
12:
13: airport( atl, 'Atlanta', degmin( 33,39 ), degmin( 84,25 ) ).
14: airport( bos, 'Boston-Logan', degmin( 42,22 ), degmin( 71, 2 ) ).
15: airport( chi, 'Chicago', degmin( 42, 0 ), degmin( 87,53 ) ).
16: airport( den, 'Denver-Stapleton', degmin( 39,45 ), degmin( 104,52 ) ).
17: airport( dfw, 'Dallas-Ft.Worth', degmin( 32,54 ), degmin( 97, 2 ) ).
18: airport( lax, 'Los Angeles', degmin( 33,56 ), degmin( 118,24 ) ).
19: airport( mia, 'Miami', degmin( 25,49 ), degmin( 80,17 ) ).
20: airport( nyc, 'New York City', degmin( 40,46 ), degmin( 73,59 ) ).
21: airport( sea, 'Seattle-Tacoma', degmin( 47,27 ), degmin( 122,18 ) ).
22: airport( sfo, 'San Francisco', degmin( 37,37 ), degmin( 122,23 ) ).
23: airport( sjc, 'San Jose', degmin( 37,22 ), degmin( 121,56 ) ).
24:
25: /*
26:  * Flight schedule.
27:  * Flight number, departure airport, destination airport,
28:  * departure time in hours, minutes.
29: */
30:
31: flight( bos, nyc, time( 7,30 ) ).
32: flight( dfw, den, time( 8, 0 ) ).
33: flight( atl, lax, time( 8,30 ) ).
34: flight( chi, den, time( 8,30 ) ).
35: flight( mia, atl, time( 9, 0 ) ).
36: flight( sfo, lax, time( 9, 0 ) ).
37: flight( sea, den, time( 10, 0 ) ).
38: flight( nyc, chi, time( 11, 0 ) ).
39: flight( sea, lax, time( 11, 0 ) ).
40: flight( den, dfw, time( 11,15 ) ).
41: flight( sjc, lax, time( 11,15 ) ).
42: flight( atl, lax, time( 11,30 ) ).
43: flight( atl, mia, time( 11,30 ) ).
44: flight( chi, nyc, time( 12, 0 ) ).
45: flight( lax, atl, time( 12, 0 ) ).
46: flight( lax, sfo, time( 12, 0 ) ).
47: flight( lax, sjc, time( 12, 0 ) ).
48: flight( nyc, bos, time( 12,15 ) ).
49: flight( bos, nyc, time( 12,30 ) ).
50: flight( den, chi, time( 12,30 ) ).
51: flight( dfw, den, time( 12,30 ) ).
52: flight( mia, atl, time( 13, 0 ) ).
53: flight( sjc, lax, time( 13,15 ) ).
54: flight( lax, sea, time( 13,30 ) ).
55: flight( chi, den, time( 14, 0 ) ).
56: flight( lax, nyc, time( 14, 0 ) ).
57: flight( sfo, lax, time( 14, 0 ) ).
58: flight( atl, lax, time( 14,30 ) ).
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59: flight( lax, atl, time( 15, 0 ) ).
60: flight( nyc, chi, time( 15, 0 ) ).
61: flight( nyc, lax, time( 15, 0 ) ).
62: flight( den, dfw, time( 15,15 ) ).
63: flight( lax, sjc, time( 15,30 ) ).
64: flight( chi, nyc, time( 18, 0 ) ).
65: flight( lax, atl, time( 18, 0 ) ).
66: flight( lax, sfo, time( 18, 0 ) ).
67: flight( nyc, bos, time( 18, 0 ) ).
68: flight( sfo, lax, time( 18, 0 ) ).
69: flight( sjc, lax, time( 18,15 ) ).
70: flight( atl, mia, time( 18,30 ) ).
71: flight( den, chi, time( 18,30 ) ).
72: flight( lax, sjc, time( 19,30 ) ).
73: flight( lax, sfo, time( 20, 0 ) ).
74: flight( lax, sea, time( 22,30 ) ).
75:
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