

```
1 -----
2 --
3 -- GNAT RAVENSCAR for NXT --
4 -- Copyright (C) 2010, AdaCore --
5 --
6 -----
7
8 with NXT.LCD;
9
10 package NXT.Fonts is
11
12   subtype Glyph_Tuple is NXT.LCD.LCD_Line (0 .. 4);
13
14   Font5x8 : constant array (Character range ' ' .. '~') of Glyph_Tuple :=
15     (
16       ' ' => (16#00#, 16#00#, 16#00#, 16#00#, 16#00#),
17       '!' => (16#00#, 16#00#, 16#5F#, 16#00#, 16#00#),
18       '"' => (16#00#, 16#07#, 16#00#, 16#07#, 16#00#),
19       '#' => (16#14#, 16#3E#, 16#14#, 16#3E#, 16#14#),
20       '$' => (16#04#, 16#2A#, 16#7F#, 16#2A#, 16#10#),
21       '%' => (16#26#, 16#16#, 16#08#, 16#34#, 16#32#),
22       '&' => (16#36#, 16#49#, 16#59#, 16#26#, 16#50#),
23       ''' => (16#00#, 16#00#, 16#07#, 16#00#, 16#00#),
24       '(' => (16#00#, 16#1C#, 16#22#, 16#41#, 16#00#),
25       ')' => (16#00#, 16#41#, 16#22#, 16#1C#, 16#00#),
26       '*' => (16#2A#, 16#1C#, 16#7F#, 16#1C#, 16#2A#),
27       '+' => (16#08#, 16#08#, 16#3E#, 16#08#, 16#08#),
28       ',' => (16#00#, 16#50#, 16#30#, 16#00#, 16#00#),
29       '-' => (16#08#, 16#08#, 16#08#, 16#08#, 16#08#),
30       '.' => (16#00#, 16#60#, 16#60#, 16#00#, 16#00#),
31       '/' => (16#20#, 16#10#, 16#08#, 16#04#, 16#02#),
32       '0' => (16#3E#, 16#51#, 16#49#, 16#45#, 16#3E#),
33       '1' => (16#00#, 16#42#, 16#7F#, 16#40#, 16#00#),
34       '2' => (16#42#, 16#61#, 16#51#, 16#49#, 16#46#),
35       '3' => (16#21#, 16#41#, 16#45#, 16#4B#, 16#31#),
36       '4' => (16#18#, 16#14#, 16#12#, 16#7F#, 16#10#),
37       '5' => (16#27#, 16#45#, 16#45#, 16#45#, 16#39#),
38       '6' => (16#3C#, 16#4A#, 16#49#, 16#49#, 16#30#),
39       '7' => (16#01#, 16#01#, 16#79#, 16#05#, 16#03#),
40       '8' => (16#36#, 16#49#, 16#49#, 16#49#, 16#36#),
```

```
41      '9' => (16#06#, 16#49#, 16#49#, 16#29#, 16#1E#),
42      ':' => (16#00#, 16#36#, 16#36#, 16#00#, 16#00#),
43      ';' => (16#00#, 16#56#, 16#36#, 16#00#, 16#00#),
44      '<' => (16#08#, 16#14#, 16#22#, 16#41#, 16#00#),
45      '=' => (16#14#, 16#14#, 16#14#, 16#14#, 16#14#),
46      '>' => (16#41#, 16#22#, 16#14#, 16#08#, 16#00#),
47      '?' => (16#02#, 16#01#, 16#59#, 16#05#, 16#02#),
48      '@' => (16#1C#, 16#2A#, 16#36#, 16#3E#, 16#0C#),
49      'A' => (16#7E#, 16#09#, 16#09#, 16#09#, 16#7E#),
50      'B' => (16#7F#, 16#49#, 16#49#, 16#49#, 16#3E#),
51      'C' => (16#3E#, 16#41#, 16#41#, 16#41#, 16#22#),
52      'D' => (16#7F#, 16#41#, 16#41#, 16#22#, 16#1C#),
53      'E' => (16#7F#, 16#49#, 16#49#, 16#49#, 16#41#),
54      'F' => (16#7F#, 16#09#, 16#09#, 16#09#, 16#01#),
55      'G' => (16#3E#, 16#41#, 16#41#, 16#49#, 16#3A#),
56      'H' => (16#7F#, 16#08#, 16#08#, 16#08#, 16#7F#),
57      'I' => (16#00#, 16#41#, 16#7F#, 16#41#, 16#00#),
58      'J' => (16#20#, 16#40#, 16#41#, 16#3F#, 16#01#),
59      'K' => (16#7F#, 16#08#, 16#14#, 16#22#, 16#41#),
60      'L' => (16#7F#, 16#40#, 16#40#, 16#40#, 16#40#),
61      'M' => (16#7F#, 16#02#, 16#04#, 16#02#, 16#7F#),
62      'N' => (16#7F#, 16#04#, 16#08#, 16#10#, 16#7F#),
63      'O' => (16#3E#, 16#41#, 16#41#, 16#41#, 16#3E#),
64      'P' => (16#7F#, 16#09#, 16#09#, 16#09#, 16#06#),
65      'Q' => (16#3E#, 16#41#, 16#51#, 16#21#, 16#5E#),
66      'R' => (16#7F#, 16#09#, 16#19#, 16#29#, 16#46#),
67      'S' => (16#26#, 16#49#, 16#49#, 16#49#, 16#32#),
68      'T' => (16#01#, 16#01#, 16#7F#, 16#01#, 16#01#),
69      'U' => (16#3F#, 16#40#, 16#40#, 16#40#, 16#3F#),
70      'V' => (16#1F#, 16#20#, 16#40#, 16#20#, 16#1F#),
71      'W' => (16#7F#, 16#20#, 16#18#, 16#20#, 16#7F#),
72      'X' => (16#63#, 16#14#, 16#08#, 16#14#, 16#63#),
73      'Y' => (16#03#, 16#04#, 16#78#, 16#04#, 16#03#),
74      'Z' => (16#61#, 16#51#, 16#49#, 16#45#, 16#43#),
75      '[' => (16#00#, 16#7F#, 16#41#, 16#41#, 16#00#),
76      '\' => (16#02#, 16#04#, 16#08#, 16#10#, 16#20#),
77      ']' => (16#00#, 16#41#, 16#41#, 16#7F#, 16#00#),
78      '^' => (16#04#, 16#02#, 16#01#, 16#02#, 16#04#),
79      '_' => (16#40#, 16#40#, 16#40#, 16#40#, 16#40#),
80      '`' => (16#00#, 16#00#, 16#07#, 16#00#, 16#00#),
```

```
81      'a' => (16#20#, 16#54#, 16#54#, 16#54#, 16#78#),
82      'b' => (16#7f#, 16#48#, 16#44#, 16#44#, 16#38#),
83      'c' => (16#30#, 16#48#, 16#48#, 16#48#, 16#20#),
84      'd' => (16#38#, 16#44#, 16#44#, 16#48#, 16#7f#),
85      'e' => (16#38#, 16#54#, 16#54#, 16#54#, 16#18#),
86      'f' => (16#08#, 16#7e#, 16#09#, 16#09#, 16#02#),
87      'g' => (16#0c#, 16#52#, 16#52#, 16#52#, 16#3e#),
88      'h' => (16#7f#, 16#08#, 16#04#, 16#04#, 16#78#),
89      'i' => (16#00#, 16#44#, 16#7d#, 16#40#, 16#00#),
90      'j' => (16#20#, 16#40#, 16#40#, 16#3d#, 16#00#),
91      'k' => (16#7f#, 16#10#, 16#28#, 16#44#, 16#00#),
92      'l' => (16#00#, 16#41#, 16#7f#, 16#40#, 16#00#),
93      'm' => (16#7c#, 16#04#, 16#18#, 16#04#, 16#78#),
94      'n' => (16#7c#, 16#08#, 16#04#, 16#04#, 16#78#),
95      'o' => (16#38#, 16#44#, 16#44#, 16#44#, 16#38#),
96      'p' => (16#fc#, 16#14#, 16#14#, 16#14#, 16#08#),
97      'q' => (16#08#, 16#14#, 16#14#, 16#18#, 16#7c#),
98      'r' => (16#7c#, 16#08#, 16#04#, 16#04#, 16#08#),
99      's' => (16#48#, 16#54#, 16#54#, 16#54#, 16#20#),
100     't' => (16#04#, 16#3f#, 16#44#, 16#40#, 16#20#),
101     'u' => (16#3c#, 16#40#, 16#40#, 16#20#, 16#7c#),
102     'v' => (16#1c#, 16#20#, 16#40#, 16#20#, 16#1c#),
103     'w' => (16#3c#, 16#40#, 16#38#, 16#40#, 16#3c#),
104     'x' => (16#44#, 16#28#, 16#10#, 16#28#, 16#44#),
105     'y' => (16#0c#, 16#50#, 16#50#, 16#50#, 16#3c#),
106     'z' => (16#44#, 16#64#, 16#54#, 16#4c#, 16#44#),
107     '{' => (16#00#, 16#08#, 16#36#, 16#41#, 16#00#),
108     '|' => (16#00#, 16#00#, 16#7f#, 16#00#, 16#00#),
109     '}' => (16#00#, 16#41#, 16#36#, 16#08#, 16#00#),
110     '~' => (16#00#, 16#07#, 16#00#, 16#07#, 16#00#)
```

```
111 );
```

```
112
```

```
113 end NXT.Fonts;
```

```
114
```