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bin — run.x86-darwin — 81×47
Last login: Thu Oct 24 16:04:20 on ttys000
asher-pc:~ aimenaberra$ cd /usr/local/smlnj/bin
asher-pc:bin aimenaberra$ ./sml
Standard ML of New Jersey v110.76 [built: Mon Aug 19 10:38:12 2013]
- use "/Users/aimenaberra/Desktop/area.sml";
[opening /Users/aimenaberra/Desktop/area.sml]
val pi = 3.14159 : real
[autoloading]
[library $SMLNJ-BASIS/basis.cm is stable]
[autoloading done]
val radius_array = [|3.0,4.0|] : real array
val base_array = [|3.0,4.0|] : real array
val height_array = [|8.0,7.0|] : real array
val side1_array = [|3.0,4.0|] : real array
val side2_array = [|1.5,3.5|] : real array
val area1 = fn : string * real -> real
val area2 = fn : string * real * real -> real
val area3 = fn : string * real * real * real -> real
[autoloading]
[autoloading done]
val loop_circle = fn : real array * int * int -> string
val loop_triangle = fn : real array * real array * int * int -> string
val loop_trapezoid = fn
  : real array * real array * real array * int * int -> string
val it = () : unit
- area1("circle",5.0);
val it = 78.53975 : real
- area1("square",5.0);
val it = 25.0 : real
- area2("rectangle",4.0,5.0);
val it = 20.0 : real
- area2("triangle",4.0,5.0);
val it = 10.0 : real
- area2("parallelogram",4.0,5.0);
val it = 20.0 : real
- area2("ellipse",4.0,5.0);
val it = 62.8318 : real
- area3("trapezoid",3.0,4.0,5.0);
val it = 17.5 : real
- loop_circle(radius_array,0,2);
val it = "PI*3.0^2=28.27431, PI*4.0^2=50.26544, done!!!" : string
- loop_triangle(base_array,height_array,0,2);
val it = "1/2*3.0*8.0=12.0, 1/2*4.0*7.0=14.0, done!!!" : string
- loop_trapezoid(side1_array,side2_array,height_array,0,2);
val it = "1/2*(3.0+1.5)*8.0=18.0, 1/2*(4.0+3.5)*7.0=26.25, done!!!" : string
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```