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$ python3
…
>>> from tangram import *
>>> print(TangramPuzzle('kangaroo.tex'))
Small triangle : [(2, 3), (3, 2), (2, 2)]
Large triangle : [(2, 2), (2, 0), (0, 0)]
Small triangle : [(2, -1/2 + √2), (2 + (1/2)√2, -1/2 + (1/2)√2), (2,
-1/2)]
Large triangle : [(0, 0), (2, 0), (0, -2)]
Square         : [(1, -1), (1 + (1/2)√2, -1 - (1/2)√2), (1, -1 -
√2), (1 - (1/2)√2, -1 - (1/2)√2)]
Medium triangle: [(1 - (1/2)√2, -1 - (1/2)√2), (2 - (1/2)√2, -2 -
(1/2)√2), ((-1/2)√2, -2 - (1/2)√2)]
Parallelogram  : [(-√2, -2), (0, -2), ((-1/2)√2, -2 - (1/2)√2),
((-3/2)√2, -2 - (1/2)√2)]
>>> print(TangramPuzzle('cat.tex'))
Small triangle : [(2 - (3/2)√2, 2 + (5/2)√2), (2 - √2, 2 + 2√2), (2
- (3/2)√2, 2 + (3/2)√2)]
Small triangle : [(2 - (1/2)√2, 2 + (5/2)√2), (2 - (1/2)√2, 2 +
(3/2)√2), (2 - √2, 2 + 2√2)]
Square         : [(2 - √2, 2 + 2√2), (2 - (1/2)√2, 2 + (3/2)√2), (2
- √2, 2 + √2), (2 - (3/2)√2, 2 + (3/2)√2)]
Medium triangle: [(2 - √2, 2 + √2), (2 - √2, √2), (1 - √2, 1 + √2)]
Large triangle : [(2 - √2, 2 + √2), (2, 2), (2 - √2, 2 - √2)]
Large triangle : [(2, 2), (2, 0), (0, 0)]
Parallelogram  : [(3, 1), (4, 1), (3, 0), (2, 0)]
>>> print(TangramPuzzle('goose.tex'))
Medium triangle: [(-1 - (3/2)√2, 2 + (1/2)√2), ((-3/2)√2, 1 +
(1/2)√2), (-2 - (3/2)√2, 1 + (1/2)√2)]
Parallelogram  : [(-1 - (3/2)√2, 1 + (1/2)√2), ((-3/2)√2, 1 +
(1/2)√2), (1 - (3/2)√2, (1/2)√2), ((-3/2)√2, (1/2)√2)]
Large triangle : [(√2, √2), (√2, -√2), (0, 0)]
Large triangle : [((-3/2)√2, (1/2)√2), ((1/2)√2, (1/2)√2),
((-1/2)√2, (-1/2)√2)]
Square         : [(0, 0), ((1/2)√2, (-1/2)√2), (0, -√2), ((-1/2)√2,
(-1/2)√2)]
Small triangle : [(√2, (-1/2)√2), ((3/2)√2, -√2), (√2, (-3/2)√2)]
Small triangle : [(1/2, 1/2 - √2), (1/2, -1/2 - √2), (-1/2, -1/2 -
√2)]
>>> ^D
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