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$ python3
...
>>> from tangram import *
>>> T = TangramPuzzle('kangaroo.tex')
>>> for piece in T.transformations:
...     print(f'{piece:16}', T.transformations[piece], sep=': ')
...
Large triangle 1: {'xflip': False, 'yflip': False, 'rotate': 0}
Large triangle 2: {'xflip': False, 'yflip': False, 'rotate': 180}
Small triangle 1: {'xflip': False, 'yflip': False, 'rotate': 45}
Small triangle 2: {'xflip': False, 'yflip': False, 'rotate': 270}
Parallelogram    : {'xflip': True, 'yflip': False, 'rotate': 315}
Medium triangle : {'xflip': False, 'yflip': False, 'rotate': 0}
Square          : {'xflip': False, 'yflip': False, 'rotate': 315}
>>> T = TangramPuzzle('cat.tex')
>>> for piece in T.transformations:
...     print(f'{piece:16}', T.transformations[piece], sep=': ')
...
Square          : {'xflip': False, 'yflip': False, 'rotate': 45}
Large triangle 1: {'xflip': False, 'yflip': False, 'rotate': 0}
Large triangle 2: {'xflip': False, 'yflip': False, 'rotate': 45}
Parallelogram    : {'xflip': False, 'yflip': False, 'rotate': 0}
Small triangle 1: {'xflip': False, 'yflip': False, 'rotate': 45}
Small triangle 2: {'xflip': False, 'yflip': False, 'rotate': 225}
Medium triangle : {'xflip': False, 'yflip': False, 'rotate': 90}
>>> T = TangramPuzzle('goose.tex')
>>> for piece in T.transformations:
...     print(f'{piece:16}', T.transformations[piece], sep=': ')
...
Large triangle 1: {'xflip': False, 'yflip': False, 'rotate': 225}
Square          : {'xflip': False, 'yflip': False, 'rotate': 225}
Large triangle 2: {'xflip': False, 'yflip': False, 'rotate': 315}
Parallelogram    : {'xflip': True, 'yflip': False, 'rotate': 0}
Medium triangle : {'xflip': False, 'yflip': False, 'rotate': 0}
Small triangle 1: {'xflip': False, 'yflip': False, 'rotate': 45}
Small triangle 2: {'xflip': False, 'yflip': False, 'rotate': 0}
>>> ^D
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