Ertai

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Magic The Gathering.
Serra Angel

Creature — Angel

Flying, vigilance

The angel remembers her past lives like dreams. Her song held up meadows. Her blade drove back darkness. Her wings carried her across the ages.
Play demo.
What is the probability of being able to play on first turn?
@dataclass
class Card:
    """A class for a base card."""

title: Union[str, None] = None
cost: Mana = Mana()
tapped: bool = False

def tap(self) -> None:
    """A method to tap a card"""
    self.tapped = True

def untap(self) -> None:
    """A method to untap a card"""
    self.tapped = False

def cast(self, pool: Mana) -> Mana:
    """
    A method to cast a card.
    Parameters:
    - pool: a mana pool
    It returns the pool after casting it.
    If there is insufficient mana in the pool the pool will be unmodified.
    """
    if self.cost <= pool:
        pool -= self.cost
    return pool
tests/
README.md
Mana curve for decks with 20 lands (over 5000 repetitions)

Expected proportion of used mana

Mana curve for decks with 20 lands (over 5000 repetitions)

- (0, 12, 12, 6, 0, 2, 4, 4)
- (0, 4, 16, 6, 4, 2, 4, 4)
- (0, 0, 0, 10, 10, 10, 5, 5)
python -m pip install ertai
https://github.com/drvinceknight/ertai