Ertai

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Magic The Gathering.

EXILE

HAND

GRAVEYARD

LIBRARY

BATTLEFIELD

LIBRARY

GRAVEYARD

HAND

From: https://magic.wizards.com/en/magic-gameplay

NAME — **Serra Angel** 3 {W}{W} — MANA COST

TYPE LINE — Creature — Angel — EXPANSION SYMBOL

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. — TEXT BOX

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4/4 — POWER/TOUGHNESS

Play demo.

What is the probability of being able to play on first turn?

NAME

MANA COST

TYPE LINE

EXPANSION SYMBOL

TEXT BOX

POWER/ TOUGHNESS


```python
@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
```
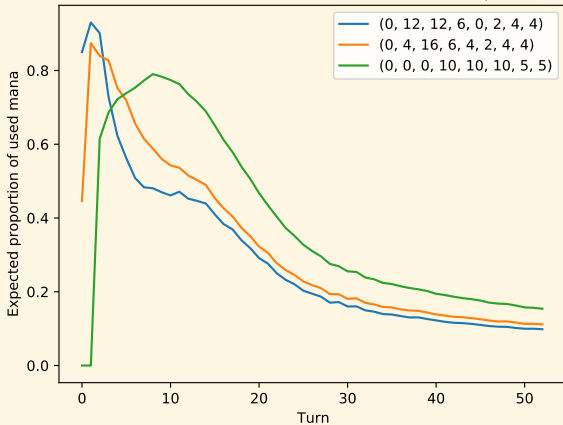
src/

tests/

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

Legend:
- (0, 12, 12, 6, 0, 2, 4, 4)
- (0, 4, 16, 6, 4, 2, 4, 4)
- (0, 0, 0, 10, 10, 10, 5, 5)

X-axis: Turn

Y-axis: Expected proportion of used mana

```
python -m pip install ertai
```

https://github.com/drvinceknight/ertai