



Neow's Counterexample



COMPLETE TO COLLECT

Tumbled Carnelian

Level 2 · 3 Glints

THE PROBLEM

In the game *Slay the Spire*, the Ironclad spends Energy to play cards. He starts this turn with **3 Energy**. After each card, subtract its cost. He can keep playing while he can pay the next cost. Ignore other card effects.

Neow claims, "Every hand of three different cards from the table lets the Ironclad play at least two cards." A **counterexample** is one allowed hand that makes his word "every" false.



START



Strike
PAY 1



LEFT



Cleave
PAY 1



LEFT

One working turn: start with 3 Energy, play Strike for 1, then play Cleave for 1. The Ironclad has played two cards and has 1 Energy left.

AVAILABLE CARDS

Card	Energy cost
Strike	1
Cleave	1
Bash	2
Heavy Blade	2
Uppercut	2
Bludgeon	3

QUESTIONS

Circle in the table; use separate paper for sums and explanations.

- Find a counterexample: circle three different cards in the table. Explain why, no matter which card the Ironclad plays first, he cannot afford a second card.
- The picture shows one hand where Neow's claim works. Why does your one counterexample still prove that his word "every" is false?

