

The LineGoat No-Vig Cheat Sheet

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1. Convert the odds

- Plus odds to decimal: $1 + \text{odds} / 100$. $+170 = 2.70$
- Minus odds to decimal: $1 + 100 / |\text{odds}|$. $-200 = 1.50$
- Implied probability: $1 / \text{decimal odds}$. $2.70 = 37.04\%$
- Shortcut for minus odds: $|\text{odds}| / (|\text{odds}| + 100)$. $-110 = 52.38\%$

2. Implied probability table

Price	Decimal	Implied probability
-300	1.333	75.00%
-200	1.500	66.67%
-150	1.667	60.00%
-110	1.909	52.38%
+100	2.000	50.00%
+150	2.500	40.00%
+200	3.000	33.33%
+300	4.000	25.00%

3. Remove the vig (multiplicative method)

1. Get both sides of the same market, from the same book, at the same time.
2. Add the two implied probabilities. Example $-200 / +170$: $66.667\% + 37.037\% = 103.704\%$ (103.70%).
3. Divide each side by that sum. $66.667 / 103.704 = 64.29\%$; $37.037 / 103.704 = 35.71\%$. Fair odds: $-180.0 / +180.0$.

Fair decimal odds = $1 / \text{fair probability}$. At 2.00 or more, American = $+(\text{decimal} - 1) \times 100$. Below 2.00, American = $-100 / (\text{decimal} - 1)$.

4. Size the margin

- Overround = sum of implied probabilities - 100%. $-110 / -110$: 4.76%
- Hold = $1 - 1 / \text{sum}$. $-110 / -110$: 4.55%
- Hold is always a little smaller than overround. A calculator's "Vig (hold)" figure is the hold.

5. Expected value

EV = fair probability x decimal odds at your book - 1
Real example, LineGoat scan, Oct 16, 2026:
Pinnacle Georgia State +306 / James Madison -391 gives Georgia State a fair probability of 23.62% (+323.3). Hard Rock Bet offered +350 (4.50). EV = $0.2362 \times 4.50 - 1 = +6.3\%$.

Pinnacle lines are used only as a sharp reference price; LineGoat doesn't promote betting at Pinnacle.

6. Closing line value

CLV = your decimal odds x no-vig closing probability - 1

Devig the closing price the same way as step 3.
Positive CLV means your price beat the close.

7. Pre-bet price checklist (LineGoat's scan filters, plus how its tracker grades)

- ☐ Two-way market; for a spread, your book and the sharp book on the same number
- ☐ Sharp price devigged from both sides, not one
- ☐ Your book's price updated in the last 90 minutes
- ☐ Price between -400 and +500
- ☐ EV between 1% and 12%. Above 12% usually means a stale or wrong line; LineGoat's scan drops them
- ☐ Game starts at least 10 minutes from now
- ☐ Stake in flat units, and note the closing price for CLV (how LineGoat's tracker grades)

Read this before you use it

Fair odds are an estimate. A different devig method gives a different fair price, mostly on longshots. A +EV bet still loses often, and nothing on this sheet promises a win or a profit.

21+ only. Bet only where legal. Gambling problem? Call or text 1-800-GAMBLER (1-800-426-2537).

Full method: linegoat.com/edge/how-it-works ·

Worked examples: linegoat.com/no-vig-fair-odds