

BLACKJACK ODDS ANALYSIS



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PART 1. BLACKJACK BASIC STRATEGY

6 Decks Dealer hits on Soft 17 Doubling after splitting allowed (Basic strategy will vary depending on house rules)

Player hand	Dealer's upcard									
	2	3	4	5	6	7	8	9	10	A
8 or less	H	H	H	H	H	H	H	H	H	H
9	H	DD	DD	DD	DD	H	H	H	H	H
10	DD	DD	DD	DD	DD	DD	DD	DD	H	H
11	DD	DD	DD	DD	DD	DD	DD	DD	DD	H
12	H	H	S	S	S	H	H	H	H	H
13	S	S	S	S	S	H	H	H	H	H
14	S	S	S	S	S	H	H	H	H	H
15	S	S	S	S	S	H	H	H	H	H
16	S	S	S	S	S	H	H	H	H	H
17 or more	S	S	S	S	S	S	S	S	S	S
A 2	H	H	H	DD	DD	H	H	H	H	H
A 3	H	H	H	DD	DD	H	H	H	H	H
A 4	H	H	DD	DD	DD	H	H	H	H	H
A 5	H	H	DD	DD	DD	H	H	H	H	H
A 6	H	DD	DD	DD	DD	H	H	H	H	H
A 7	S	DD	DD	DD	DD	S	S	H	H	H
A 8	S	S	S	S	S	S	S	S	S	S
A 9	S	S	S	S	S	S	S	S	S	S
2 2	SPL	SPL	SPL	SPL	SPL	SPL	H	H	H	H
3 3	SPL	SPL	SPL	SPL	SPL	SPL	H	H	H	H
4 4	H	H	H	SPL	SPL	H	H	H	H	H
5 5	DD	DD	DD	DD	DD	DD	DD	DD	H	H
6 6	SPL	SPL	SPL	SPL	SPL	H	H	H	H	H
7 7	SPL	SPL	SPL	SPL	SPL	SPL	H	H	H	H
8 8	SPL	SPL	SPL	SPL	SPL	SPL	SPL	SPL	SPL	SPL
9 9	SPL	SPL	SPL	SPL	SPL	S	SPL	SPL	S	S
10 10	S	S	S	S	S	S	S	S	S	S
A A	SPL	SPL	SPL	SPL	SPL	SPL	SPL	SPL	SPL	SPL

Dealer hits on soft 17: helps the dealer +0.20% (busts more often, but gets out of lousy 17 hand more times)

Player can double after split: decreases house edge in like -0.15%. Allowed in most casinos.

Number of decks: more decks means more house edge. 1 deck: -0.18%, 2 decks: +0.37%, 4 decks: +0.55%, 5 decks: +0.59%, 6 decks: 0.61%, 8 decks: +0.64%

Blackjack payout: 6 to 5 payouts increase house edge in almost +1.40%. 3 to 2 is the most common.

(Approximate percentage values, will vary according to combination of rules)

PART 2. WRITTEN BASIC STRATEGY

8 or less

Always hit

9

Double down dealer 3-6, hit others

10, 11

Double down dealer card is below yours (2-9 in case of 10 or 2-10 in case of 11), hit others

12

Stand with dealer 4-6, hit others

13-16

Stand with dealer low card (2-6), hit others

17 or more

Always stand

A2 or A3

Double down dealer 5-6, hit others

A4 or A5

Double down dealer 4-6, hit others

A6

Double down dealer 3-6, hit others

A7

Double down dealer 3-6, Stand dealer below yours (2, 7, 8), hit others. May double against 6.

A8 or A9

Always stay

22 33 or 77

Split dealer 2-7

44

Split dealer 5-6

66

Split dealer 2-6

88 or AA

Always Split

99

Split dealer 2-9, except 7 (take the easy win)

55 or 1010

Play with original hand

BASIC HANDS

SOFT DOUBLE DOWN

SPLITTING STRATEGY

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PART 4A. DEALER HANDS AFTER FIRST CARD

Tables: percent time each hand is achieved given first card 500000 ITERATIONS RUN

2	17	12.99%	3	17	12.59%
	18	13.70%		18	13.21%
	19	13.17%		19	12.69%
	20	12.58%		20	12.16%
	21	12.00%		21	11.65%
	Bust	35.56%		Bust	37.71%
	Blackjack	-		Blackjack	-
4	17	12.23%	5	17	11.88%
	18	12.82%		18	12.27%
	19	12.30%		19	11.79%
	20	11.71%		20	11.36%
	21	11.20%		21	10.93%
	Bust	39.74%		Bust	41.76%
	Blackjack	-		Blackjack	-
6	17	11.49%	7	17	36.88%
	18	11.52%		18	13.73%
	19	11.45%		19	7.90%
	20	11.03%		20	7.77%
	21	10.55%		21	7.46%
	Bust	43.96%		Bust	26.26%
	Blackjack	-		Blackjack	-
8	17	12.86%	9	17	11.96%
	18	35.84%		18	12.00%
	19	12.84%		19	35.01%
	20	6.97%		20	12.03%
	21	6.93%		21	6.15%
	Bust	24.56%		Bust	22.85%
	Blackjack	-		Blackjack	-
10	17	11.21%	A	17	5.49%
	18	11.02%		18	14.17%
	19	11.16%		19	14.24%
	20	34.23%		20	14.13%
	21	3.48%		21	8.33%
	Bust	21.18%		Bust	12.84%
	Blackjack	7.72%		Blackjack	30.79%

PART 5A. EFFECT OF TRUE COUNT ON DEALER BUST

% dealer bust with each true count 500000 ITERATIONS RUN

(Which cards are taken out of deck really matters. So this should only be used as tendency checkers, not actual values)

2	-8	27.88%	3	-8	29.34%
	-4	31.86%		-4	33.71%
	-2	33.79%		-2	35.72%
	0	35.56%		0	37.71%
	+2	36.58%		+2	38.83%
	+4	37.62%		+4	40.65%
	+8	37.45%		+8	41.92%
4	-8	31.26%	5	-8	33.23%
	-4	35.82%		-4	37.87%
	-2	37.84%		-2	39.92%
	0	39.74%		0	41.76%
	+2	40.74%		+2	43.45%
	+4	42.83%		+4	45.91%
	+8	46.99%		+8	51.62%
6	-8	35.50%	7	-8	26.50%
	-4	40.20%		-4	26.60%
	-2	42.15%		-2	26.48%
	0	43.96%		0	26.26%
	+2	46.43%		+2	26.60%
	+4	47.28%		+4	26.68%
	+8	51.46%		+8	27.64%
8	-8	24.48%	9	-8	22.47%
	-4	24.71%		-4	22.86%
	-2	24.89%		-2	22.94%
	0	24.56%		0	22.85%
	+2	24.57%		+2	22.84%
	+4	24.57%		+4	22.08%
	+8	24.26%		+8	20.97%
10	-8	20.66%	A	-8	11.47%
	-4	21.16%		-4	12.30%
	-2	21.13%		-2	12.57%
	0	21.18%		0	12.84%
	+2	20.55%		+2	12.61%
	+4	19.51%		+4	12.59%
	+8	17.42%		+8	11.68%

PART 6.

EXPECTED RETURNS OF EACH HAND – ALL MOVES

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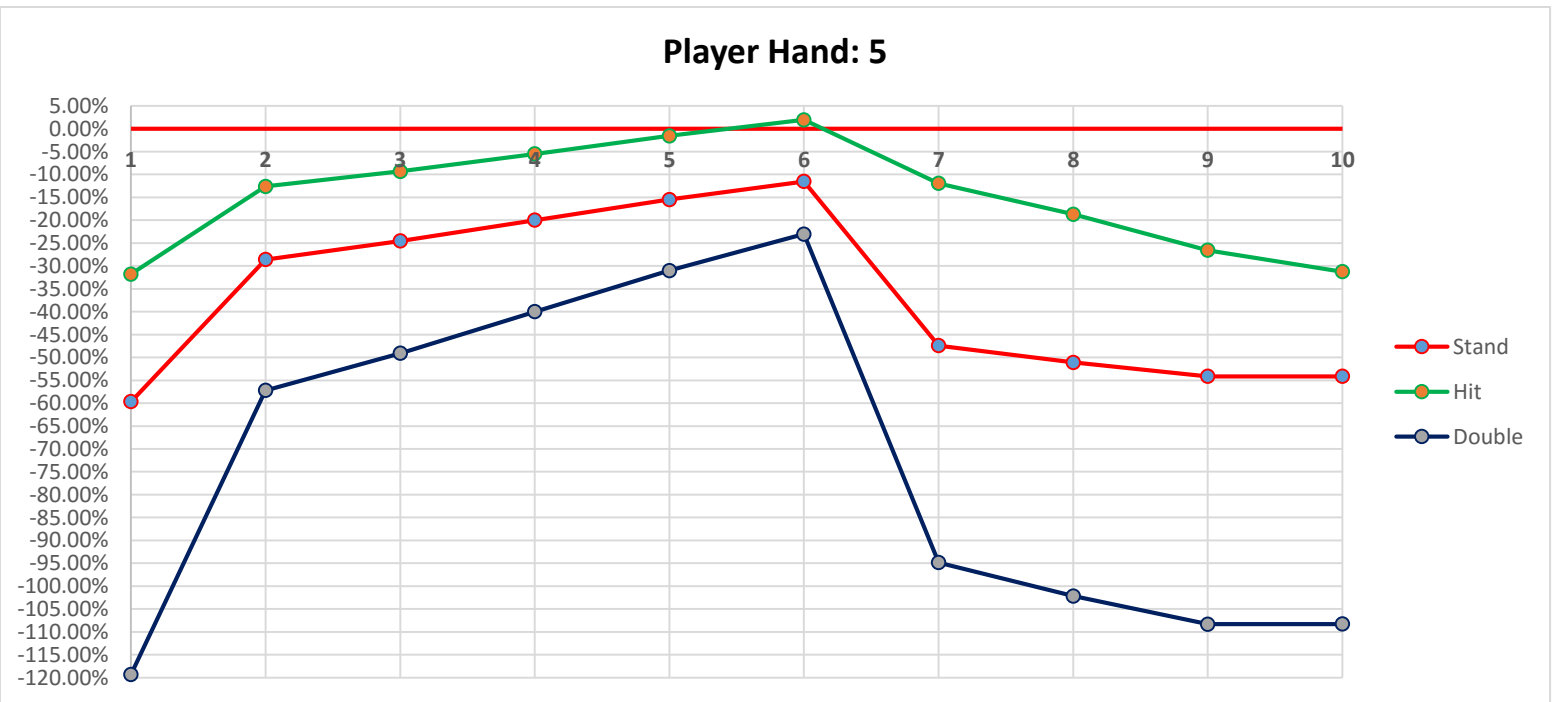
The charts present in Part 6 offer a visual and numerical visualization of how much difference each move option (hit, stand, double or split) offers at each player-dealer setting. The charts show which is the best play option for each setting in comparison to others, and are the basis for the construction of the known **basic strategy**. Analyzing these charts gives a perfect notion of the game, helping players understand that a “better” hand has the meaning of “less bad” in some cases, and what is actually the points in which the basic strategy is a solid truth and the ones in which alternative plays could be considered, especially when the game is affected by a true count. Some things one might understand:

- A 10 10 hand is better than A A
- 12-16 hands are losing hands, even against a dealer 6
- 17 is a lousy hand at all times
- It is possible to double an A8 against a 6 instead of standing, which would mean a slight increase in expect return. What happens is that you lose more games, but win more when you win them.
- You hit a 12 against a 2 but not a 3 **not** because you have a standing return decrease from 2 to 3 so standing becomes worse than hit, but because you have a hitting return increase which makes hitting better than standing. So, this is an advantage for the player. Again, advantage does not mean it is going to be good, but less bad in that case: you go from expected return of -28.94% to -25.22%.

Cases in which doubling is completely out of question have not been included.

- **Green:** Hit
- **Red:** Stand
- **Dark blue:** Double down
- **Dark gray:** Split if doubling after splitting is not allowed
- **Purple:** Split if doubling after splitting is allowed

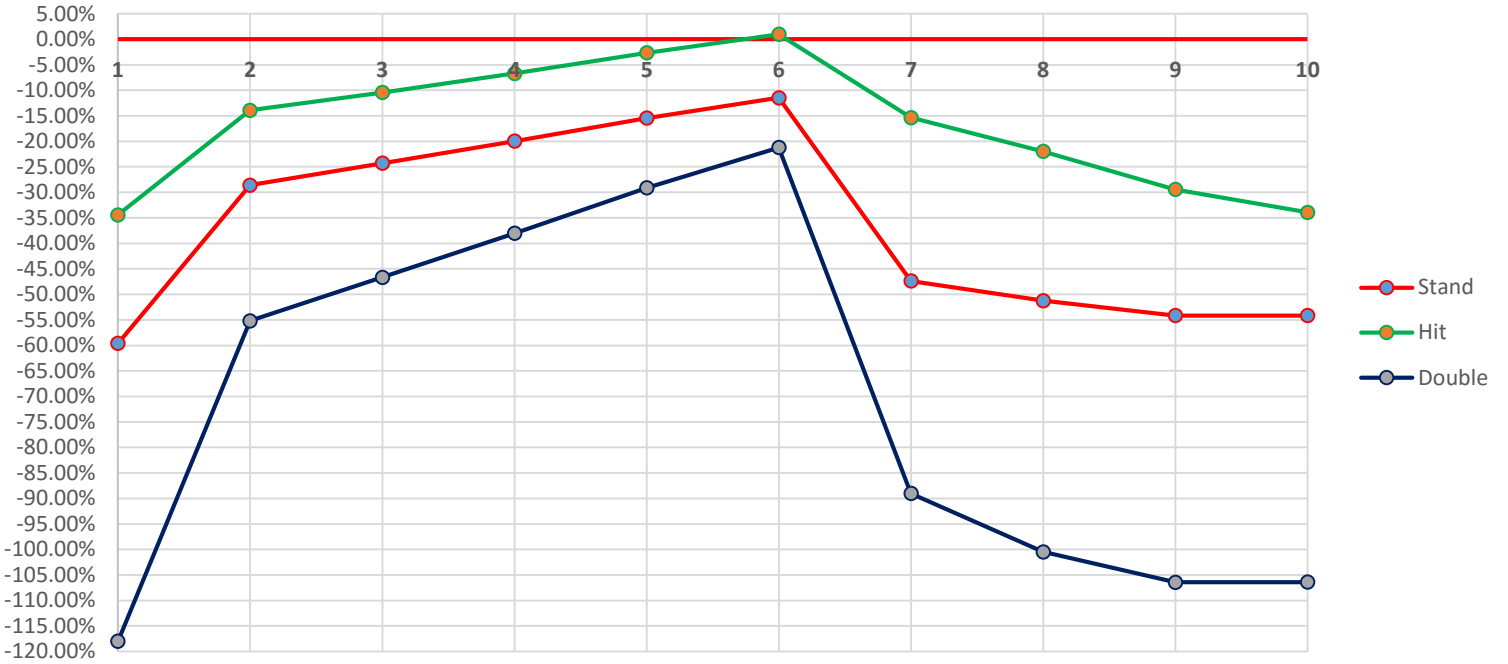
PLAYER HAND: 5										
Dealer:	1	2	3	4	5	6	7	8	9	10
STAND	-59.65%	-28.61%	-24.55%	-20.01%	-15.50%	-11.52%	-47.42%	-51.09%	-54.15%	-54.14%
HIT	-31.77%	-12.60%	-9.32%	-5.53%	-1.56%	1.92%	-11.94%	-18.71%	-26.59%	-31.27%
DOUBLE	-119.30%	-57.22%	-49.11%	-40.02%	-31.00%	-23.04%	-94.85%	-102.18%	-108.31%	-108.29%



PLAYER HAND: 6

Dealer:	1	2	3	4	5	6	7	8	9	10
STAND	-59.61%	-28.59%	-24.30%	-19.96%	-15.46%	-11.48%	-47.39%	-51.23%	-54.14%	-54.14%
HIT	-34.43%	-13.92%	-10.42%	-6.70%	-2.67%	0.98%	-15.37%	-21.97%	-29.45%	-33.91%
DOUBLE	-118.01%	-55.18%	-46.67%	-38.03%	-29.12%	-21.21%	-89.02%	-100.46%	-106.43%	-106.40%

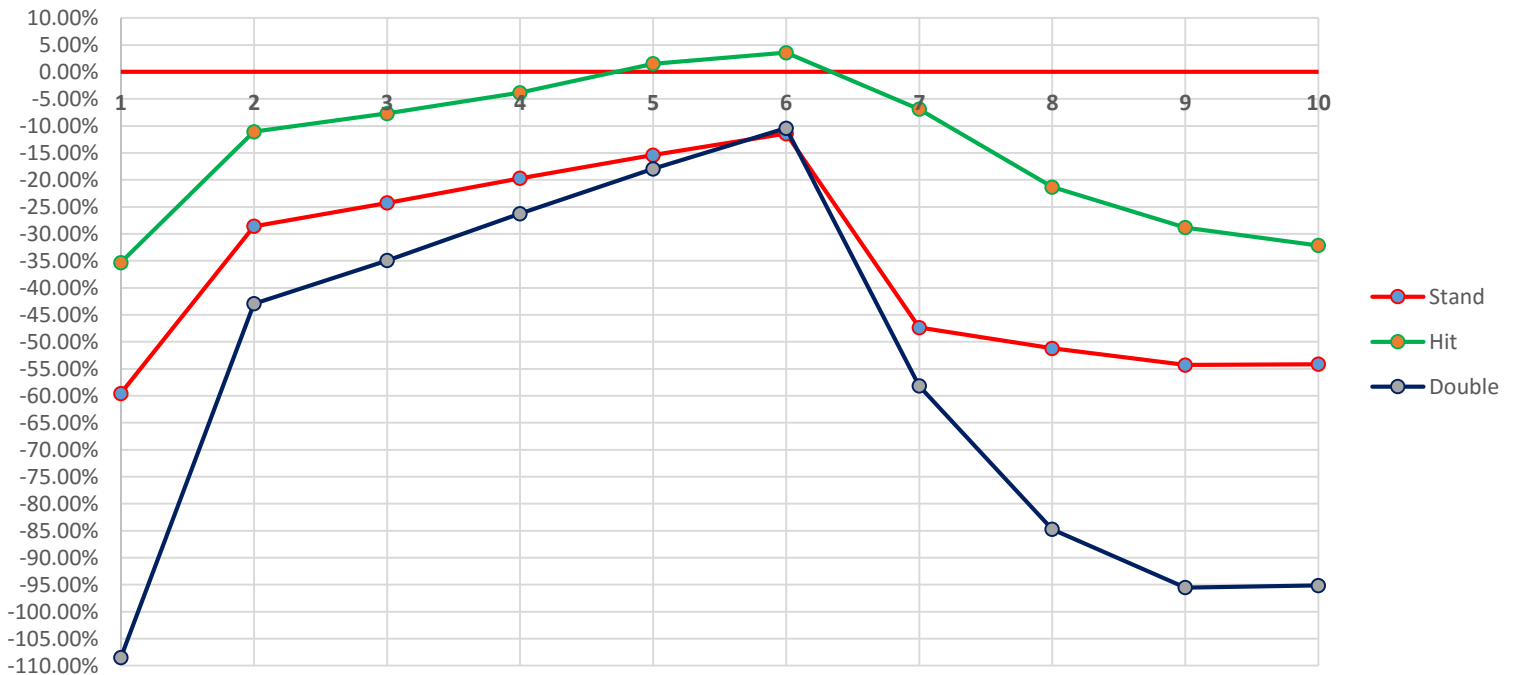
Player Hand: 6



PLAYER HAND: 7

Dealer:	1	2	3	4	5	6	7	8	9	10
STAND	-59.58%	-28.59%	-24.28%	-19.70%	-15.41%	-11.44%	-47.36%	-51.20%	-54.29%	-54.13%
HIT	-35.33%	-11.09%	-7.69%	-3.84%	1.53%	3.58%	-6.91%	-21.32%	-28.84%	-32.15%
DOUBLE	-108.50%	-42.95%	-34.95%	-26.24%	-17.95%	-10.43%	-58.18%	-84.73%	-95.53%	-95.14%

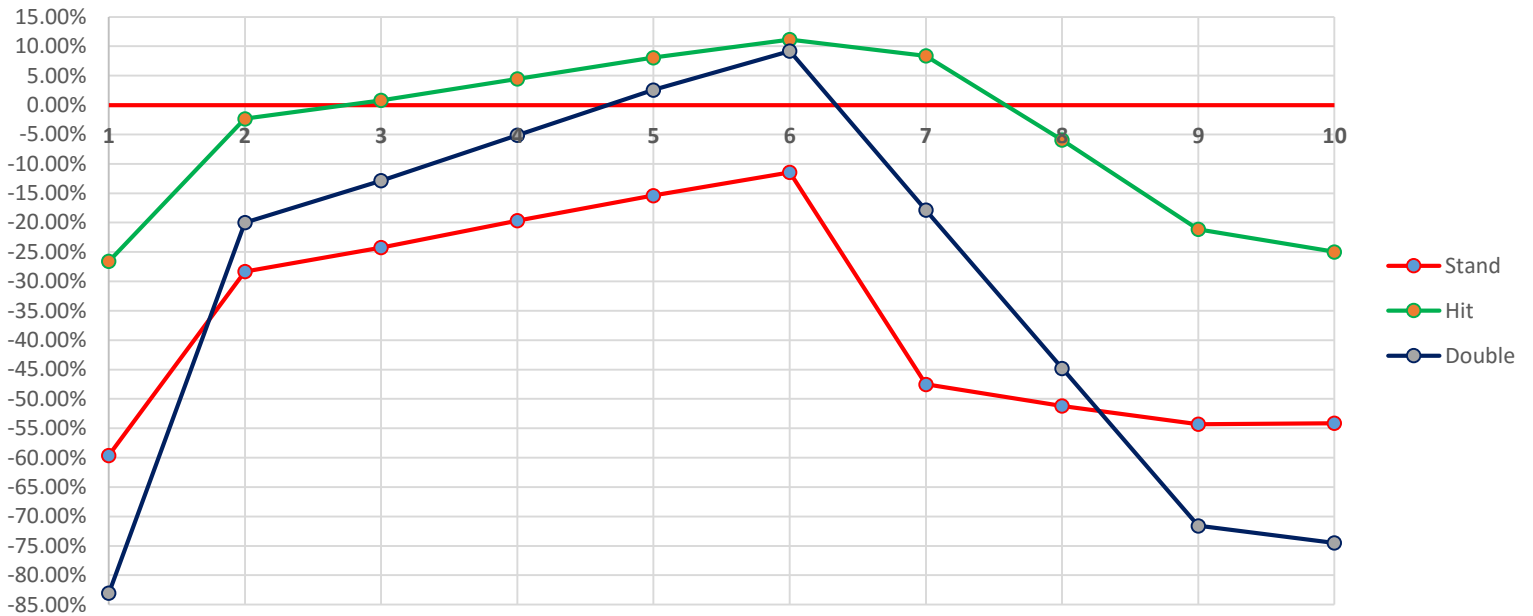
Player Hand: 7



PLAYER HAND: 8

Dealer:	1	2	3	4	5	6	7	8	9	10
STAND	-59.59%	-28.33%	-24.24%	-19.67%	-15.38%	-11.43%	-47.50%	-51.19%	-54.28%	-54.12%
HIT	-26.58%	-2.31%	0.80%	4.46%	8.08%	11.14%	8.38%	-5.94%	-21.13%	-24.96%
DOUBLE	-83.04%	-19.99%	-12.85%	-5.12%	2.58%	9.20%	-17.86%	-44.80%	-71.57%	-74.50%

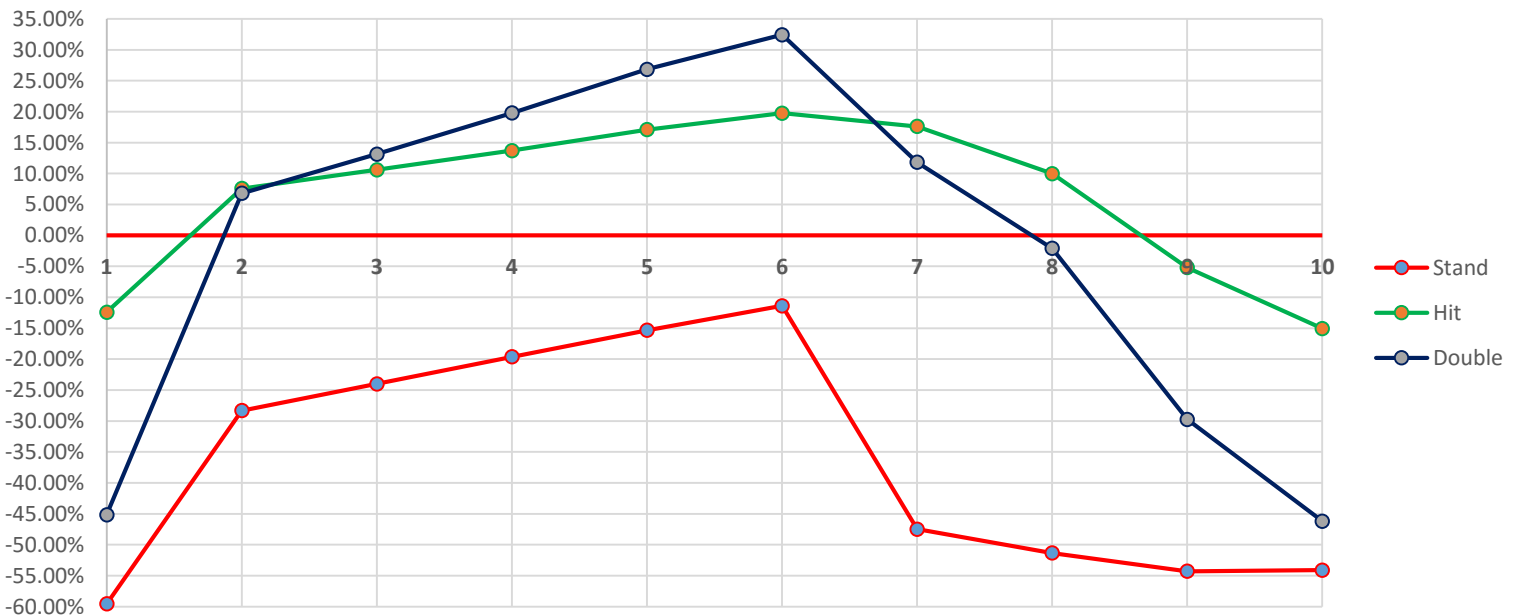
Player Hand: 8



PLAYER HAND: 9

Dealer:	1	2	3	4	5	6	7	8	9	10
STAND	-59.56%	-28.32%	-23.99%	-19.62%	-15.34%	-11.39%	-47.47%	-51.33%	-54.27%	-54.11%
HIT	-12.41%	7.57%	10.59%	13.70%	17.09%	19.76%	17.62%	9.99%	-5.21%	-15.05%
DOUBLE	-45.16%	6.80%	13.14%	19.79%	26.84%	32.44%	11.81%	-2.10%	-29.74%	-46.19%

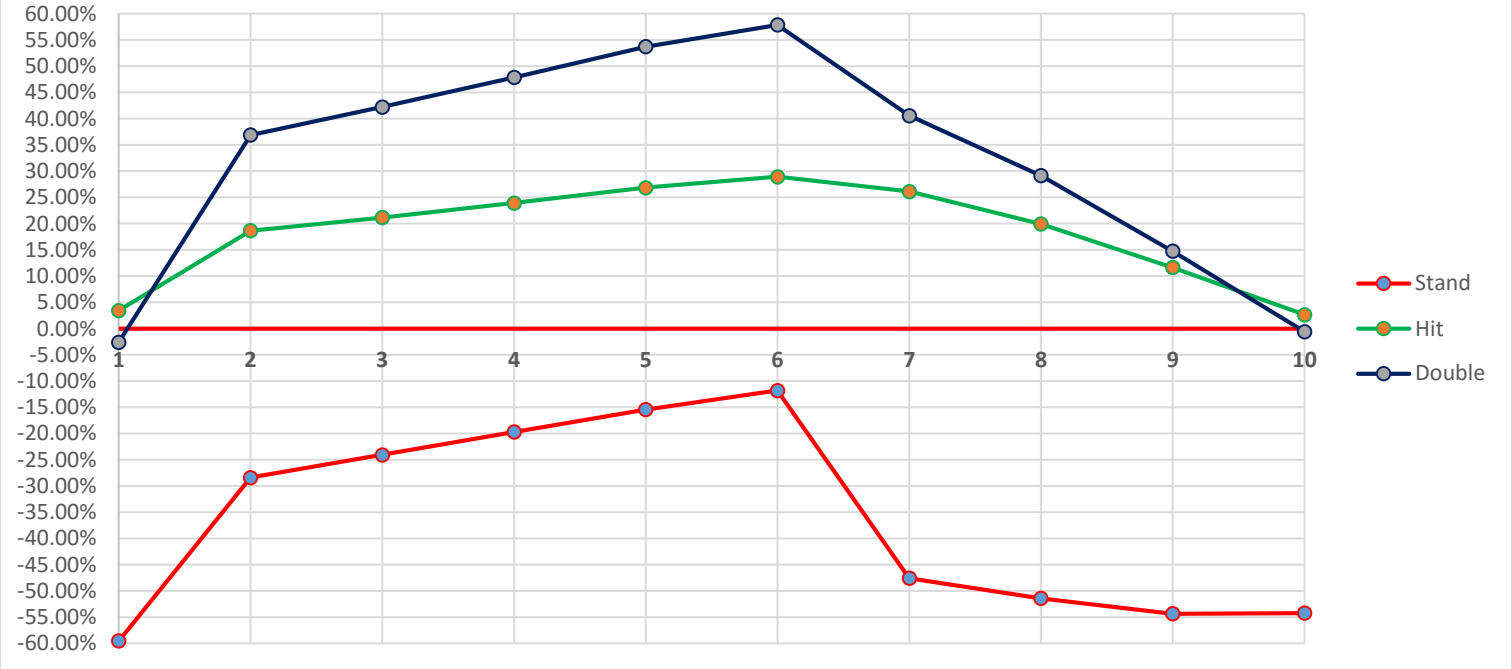
Player Hand: 9



PLAYER HAND: 10

Dealer:	1	2	3	4	5	6	7	8	9	10
STAND	-59.49%	-28.37%	-24.04%	-19.67%	-15.41%	-11.79%	-47.55%	-51.40%	-54.33%	-54.20%
HIT	3.46%	18.67%	21.18%	23.93%	26.86%	28.94%	26.15%	19.96%	11.67%	2.67%
DOUBLE	-2.57%	36.89%	42.24%	47.87%	53.72%	57.89%	40.60%	29.16%	14.77%	-0.56%

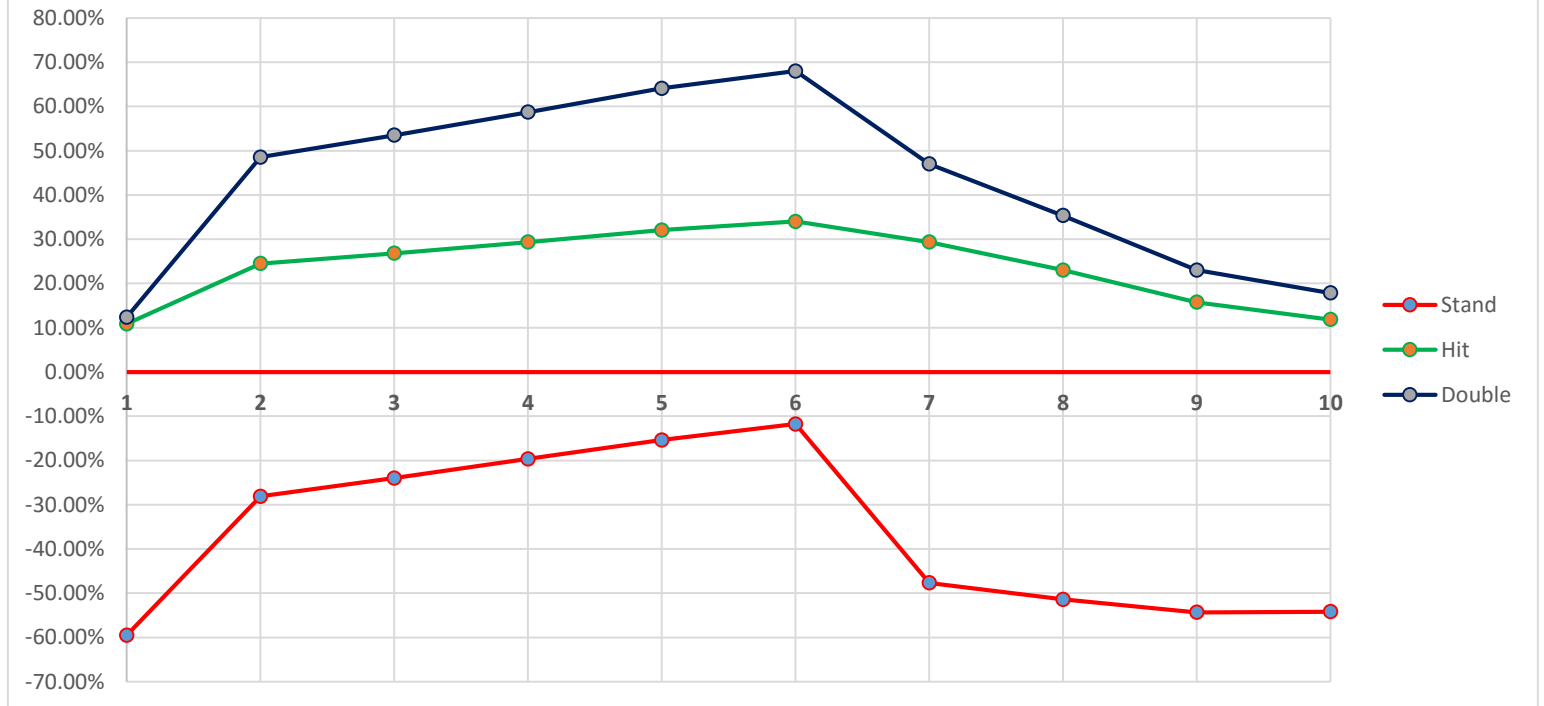
Player Hand: 10



PLAYER HAND: 11

Dealer:	1	2	3	4	5	6	7	8	9	10
STAND	-59.50%	-28.12%	-24.00%	-19.64%	-15.38%	-11.78%	-47.69%	-51.39%	-54.32%	-54.19%
HIT	10.86%	24.49%	26.81%	29.35%	32.05%	33.99%	29.34%	23.01%	15.74%	11.85%
DOUBLE	12.40%	48.55%	53.50%	58.70%	64.10%	67.98%	46.97%	35.34%	23.00%	17.84%

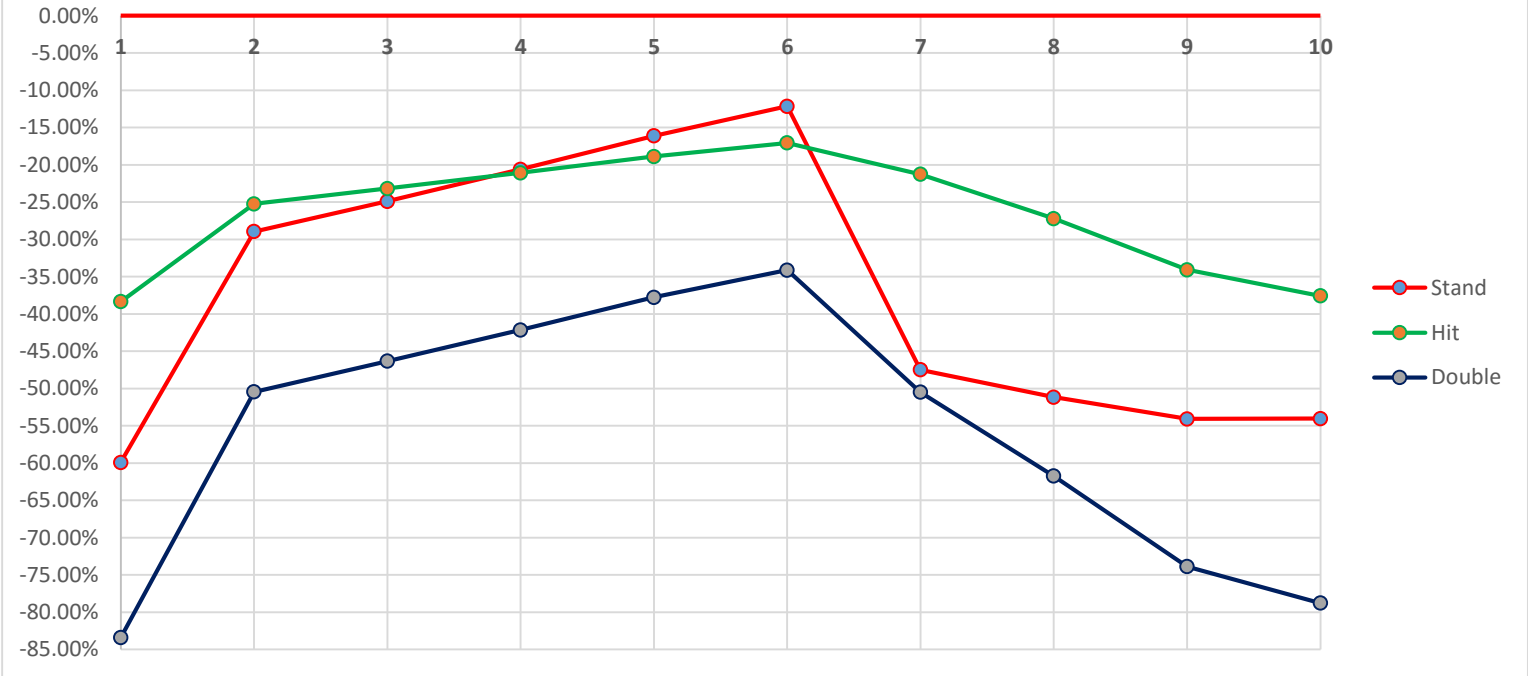
Player Hand: 11



PLAYER HAND: 12

Dealer:	1	2	3	4	5	6	7	8	9	10
STAND	-59.91%	-28.94%	-24.89%	-20.59%	-16.11%	-12.14%	-47.49%	-51.16%	-54.06%	-54.03%
HIT	-38.33%	-25.22%	-23.16%	-21.06%	-18.87%	-17.05%	-21.26%	-27.20%	-34.07%	-37.56%
DOUBLE	-83.40%	-50.44%	-46.33%	-42.13%	-37.77%	-34.11%	-50.48%	-61.73%	-73.88%	-78.78%

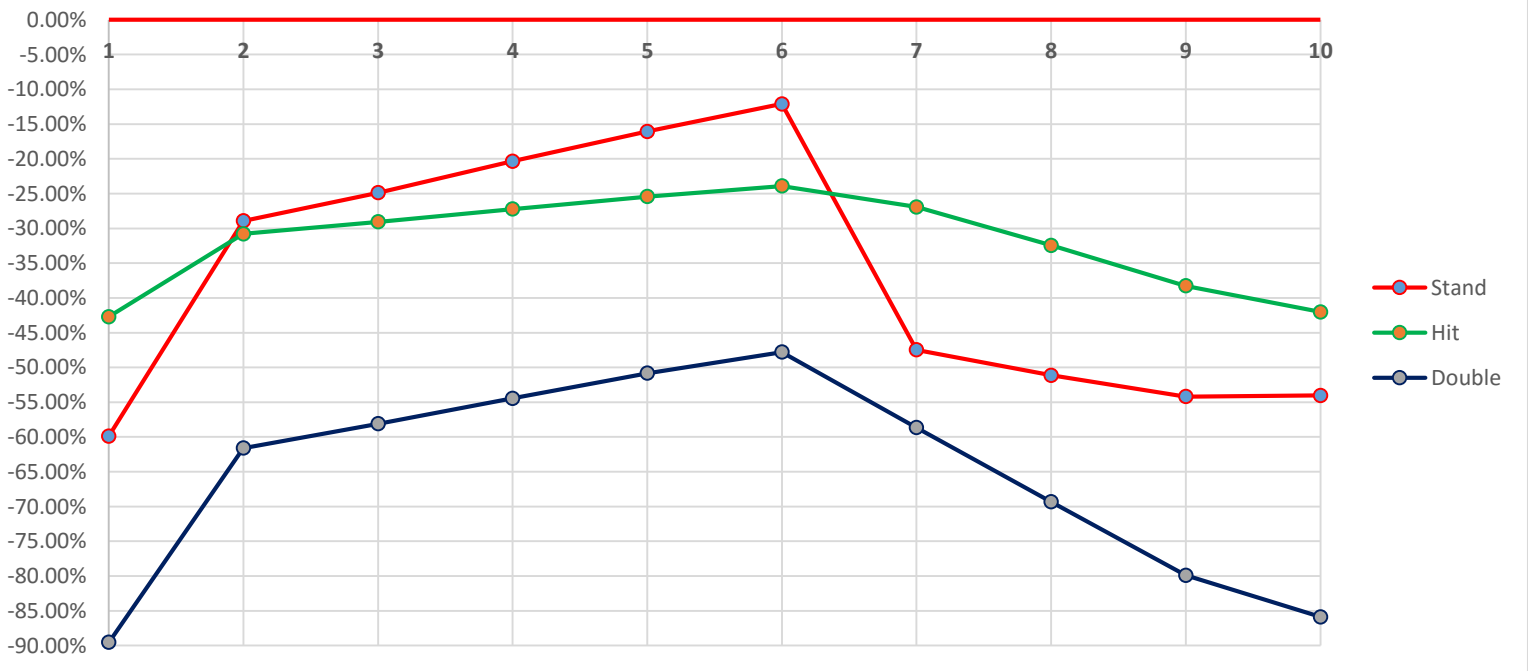
Player Hand: 12



PLAYER HAND: 13

Dealer:	1	2	3	4	5	6	7	8	9	10
STAND	-59.88%	-28.93%	-24.88%	-20.33%	-16.06%	-12.10%	-47.46%	-51.12%	-54.20%	-54.02%
HIT	-42.70%	-30.79%	-29.05%	-27.22%	-25.42%	-23.90%	-26.92%	-32.44%	-38.27%	-42.02%
DOUBLE	-89.53%	-61.59%	-58.10%	-54.44%	-50.84%	-47.80%	-58.66%	-69.33%	-79.89%	-85.87%

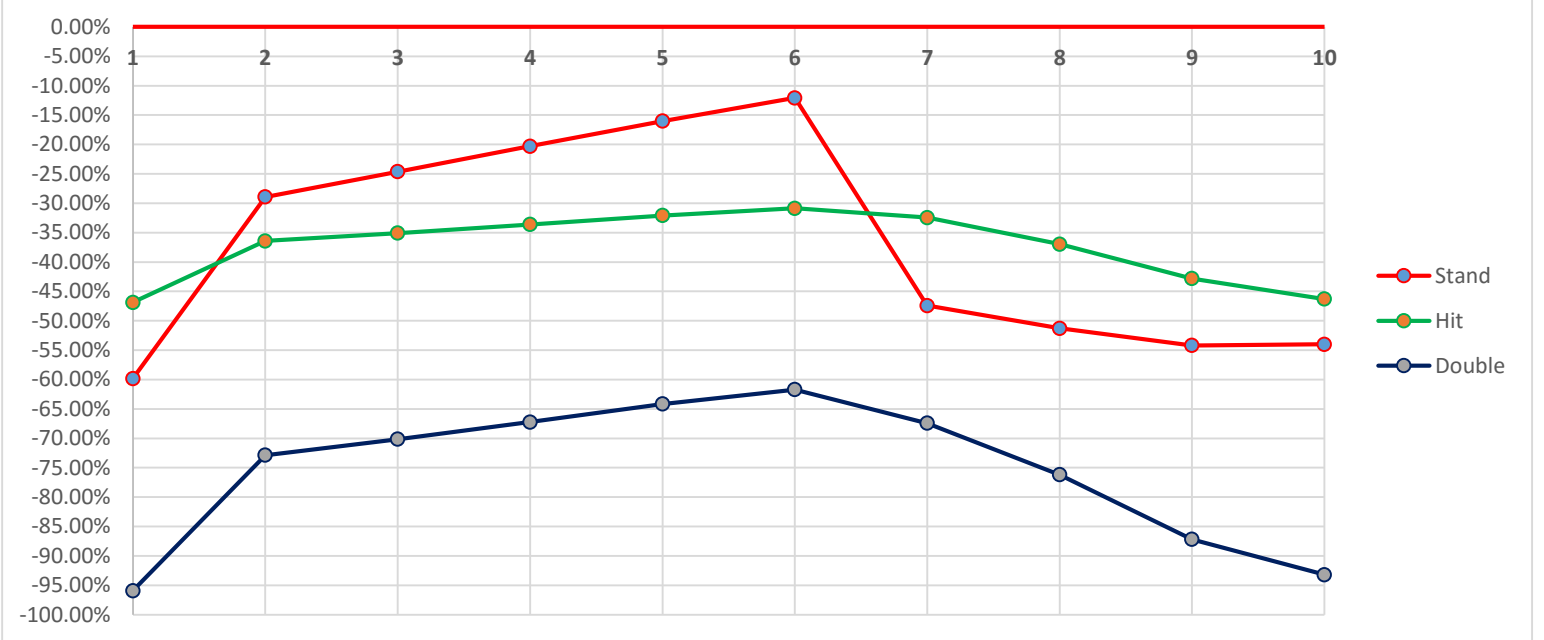
Player Hand: 13



PLAYER HAND: 14

Dealer:	1	2	3	4	5	6	7	8	9	10
STAND	-59.84%	-28.92%	-24.62%	-20.29%	-16.03%	-12.07%	-47.42%	-51.27%	-54.19%	-54.01%
HIT	-46.88%	-36.43%	-35.08%	-33.62%	-32.08%	-30.86%	-32.45%	-36.96%	-42.82%	-46.30%
DOUBLE	-95.92%	-72.87%	-70.16%	-67.24%	-64.17%	-61.72%	-67.42%	-76.19%	-87.20%	-93.20%

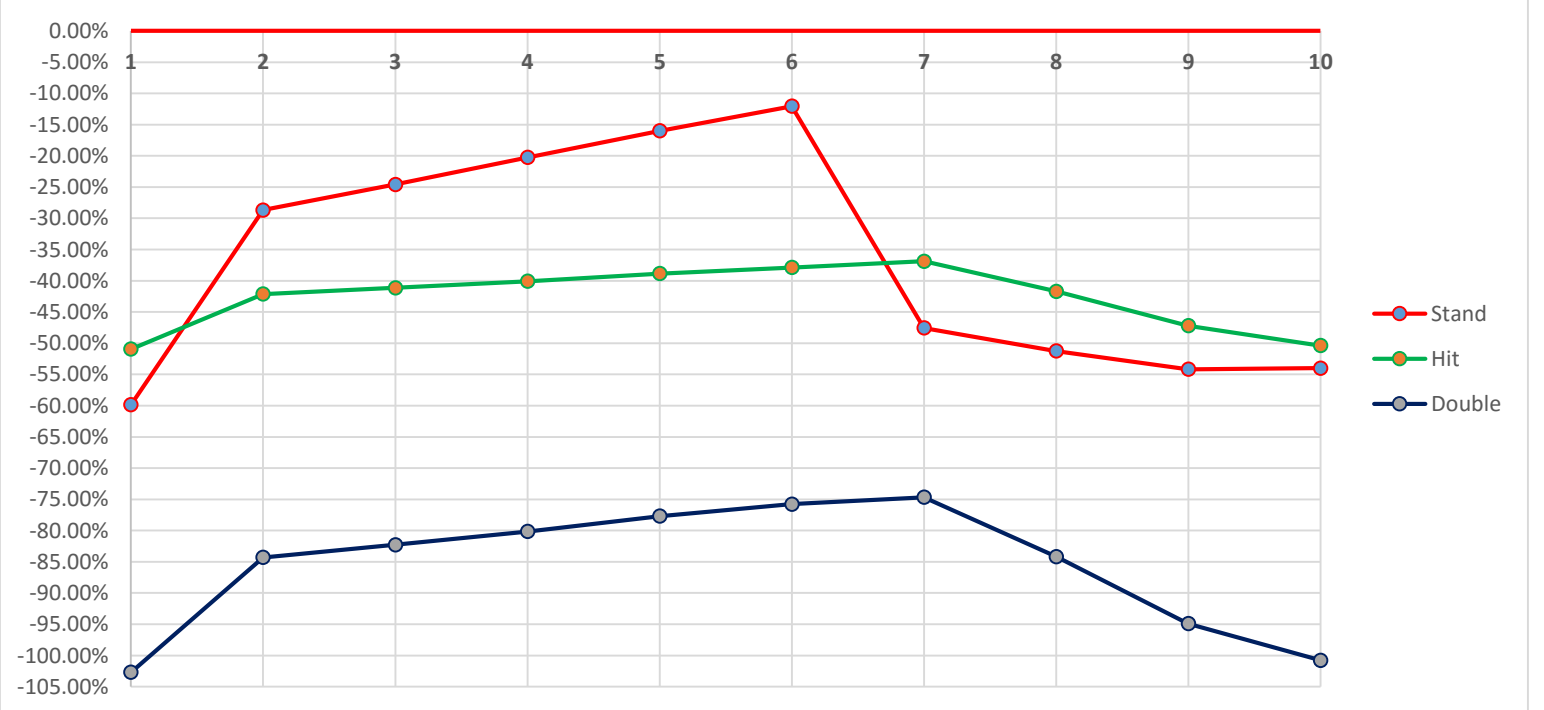
Player Hand: 14



PLAYER HAND: 15

Dealer:	1	2	3	4	5	6	7	8	9	10
STAND	-59.85%	-28.67%	-24.58%	-20.25%	-15.99%	-12.06%	-47.57%	-51.26%	-54.18%	-54.00%
HIT	-50.95%	-42.14%	-41.14%	-40.07%	-38.84%	-37.88%	-36.89%	-41.69%	-47.21%	-50.39%
DOUBLE	-102.69%	-84.29%	-82.28%	-80.15%	-77.69%	-75.77%	-74.68%	-84.18%	-94.90%	-100.78%

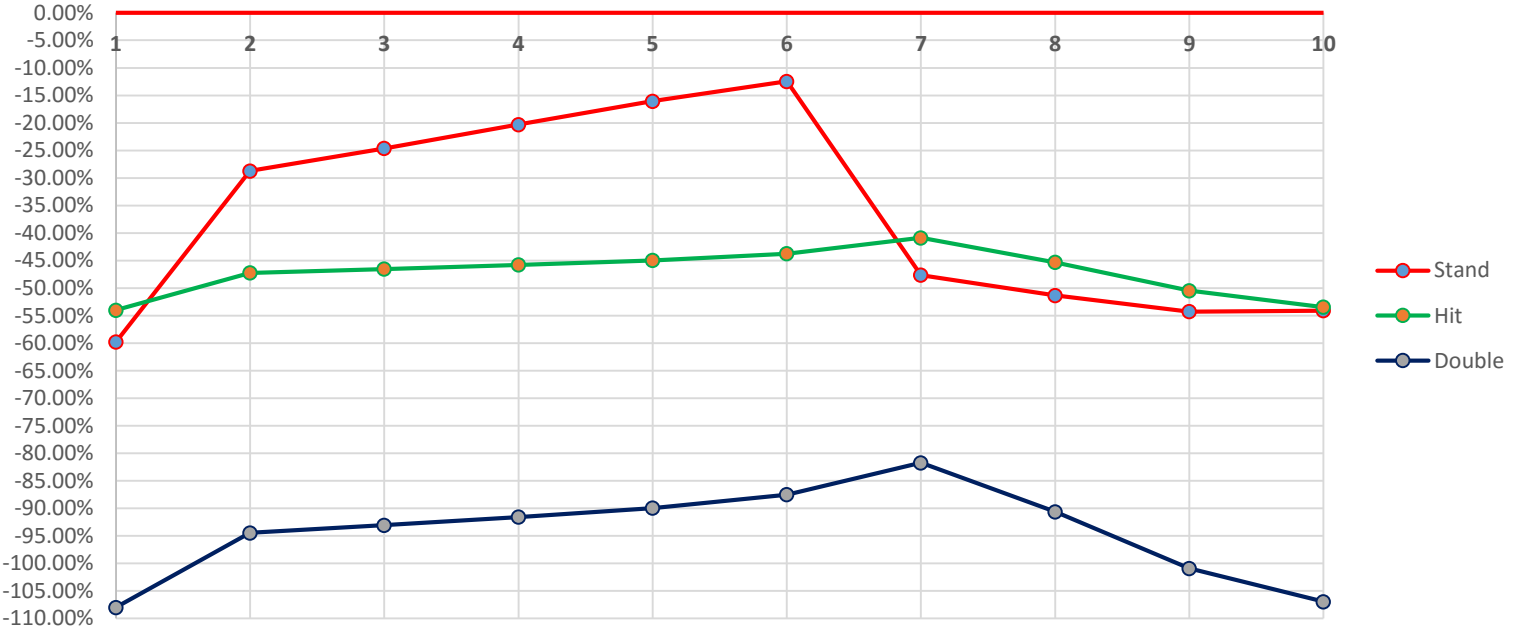
Player Hand: 15



PLAYER HAND: 16

Dealer:	1	2	3	4	5	6	7	8	9	10
STAND	-59.79%	-28.72%	-24.63%	-20.30%	-16.06%	-12.45%	-47.64%	-51.33%	-54.25%	-54.09%
HIT	-54.00%	-47.23%	-46.53%	-45.79%	-44.97%	-43.75%	-40.86%	-45.31%	-50.45%	-53.46%
DOUBLE	-108.00%	-94.46%	-93.06%	-91.58%	-89.94%	-87.50%	-81.72%	-90.62%	-100.90%	-106.93%

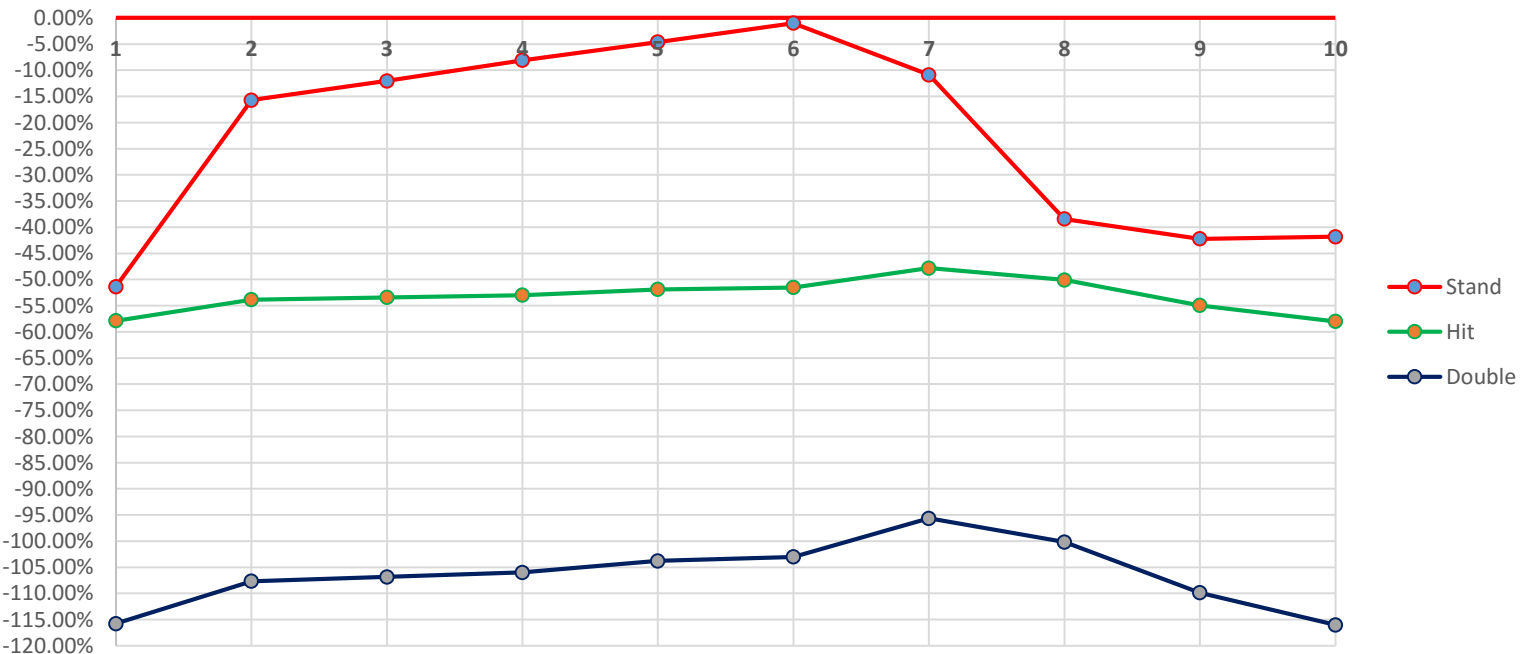
Player Hand: 16



PLAYER HAND: 17

Dealer:	1	2	3	4	5	6	7	8	9	10
STAND	-51.37%	-15.71%	-12.04%	-8.08%	-4.59%	-0.98%	-10.88%	-38.42%	-42.21%	-41.84%
HIT	-57.89%	-53.84%	-53.42%	-52.99%	-51.89%	-51.52%	-47.83%	-50.09%	-54.94%	-58.00%
DOUBLE	-115.78%	-107.69%	-106.84%	-105.99%	-103.79%	-103.04%	-95.67%	-100.19%	-109.88%	-116.01%

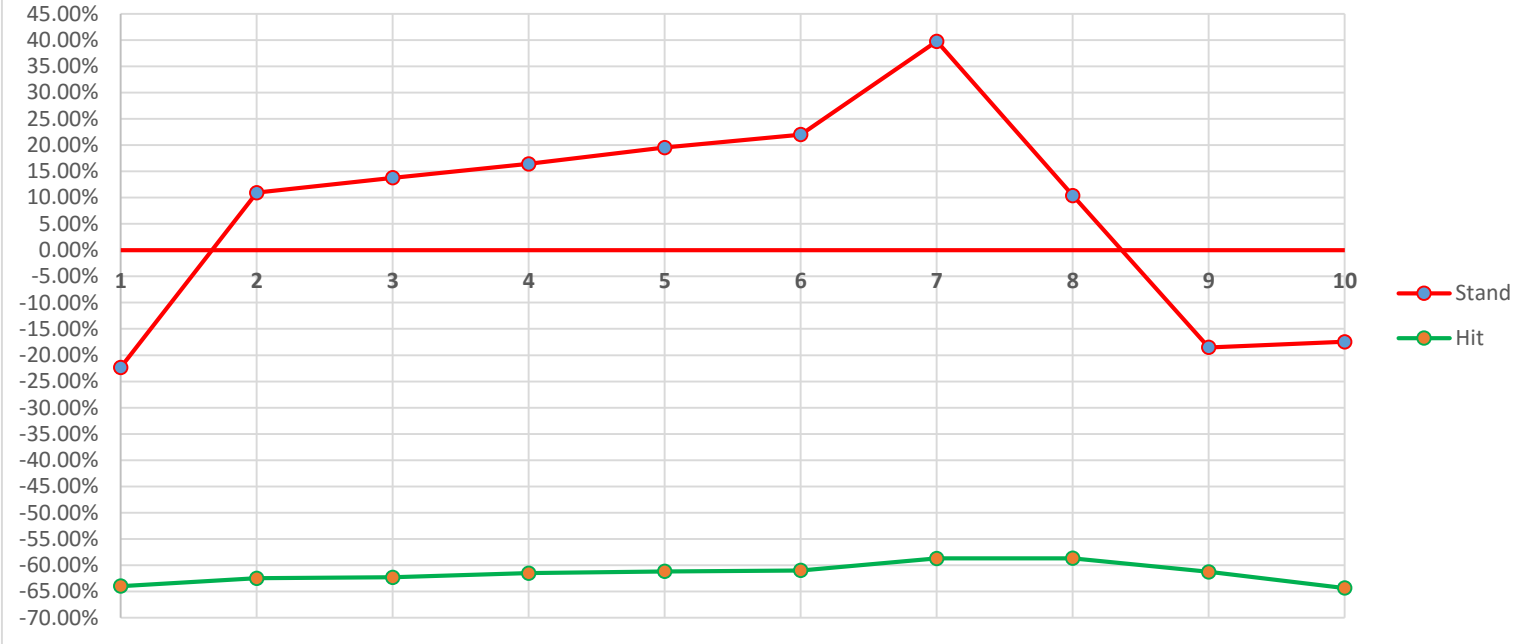
Player Hand: 17



PLAYER HAND: 18

Dealer:	1	2	3	4	5	6	7	8	9	10
STAND	-22.33%	10.96%	13.78%	16.43%	19.55%	22.02%	39.77%	10.40%	-18.51%	-17.45%
HIT	-63.99%	-62.51%	-62.31%	-61.51%	-61.18%	-61.00%	-58.73%	-58.69%	-61.28%	-64.37%
DOUBLE	-127.98%	-125.03%	-124.63%	-123.03%	-122.36%	-122.01%	-117.46%	-117.39%	-122.56%	-128.74%

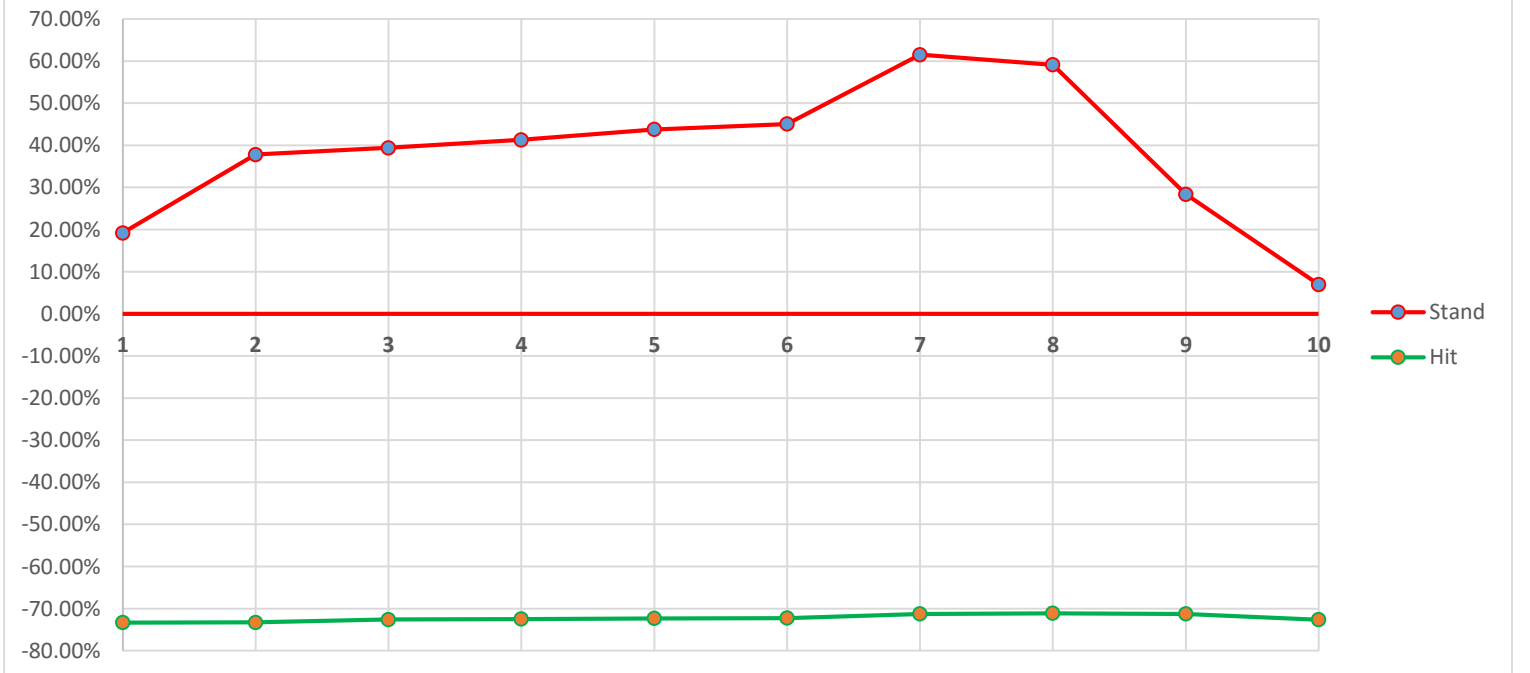
Player Hand: 18



PLAYER HAND: 19

Dealer:	1	2	3	4	5	6	7	8	9	10
STAND	19.19%	37.79%	39.40%	41.30%	43.75%	45.05%	61.50%	59.10%	28.39%	6.94%
HIT	-73.30%	-73.28%	-72.60%	-72.49%	-72.34%	-72.26%	-71.27%	-71.10%	-71.27%	-72.63%
DOUBLE	-146.60%	-146.56%	-145.20%	-144.98%	-144.69%	-144.53%	-142.55%	-142.21%	-142.55%	-145.27%

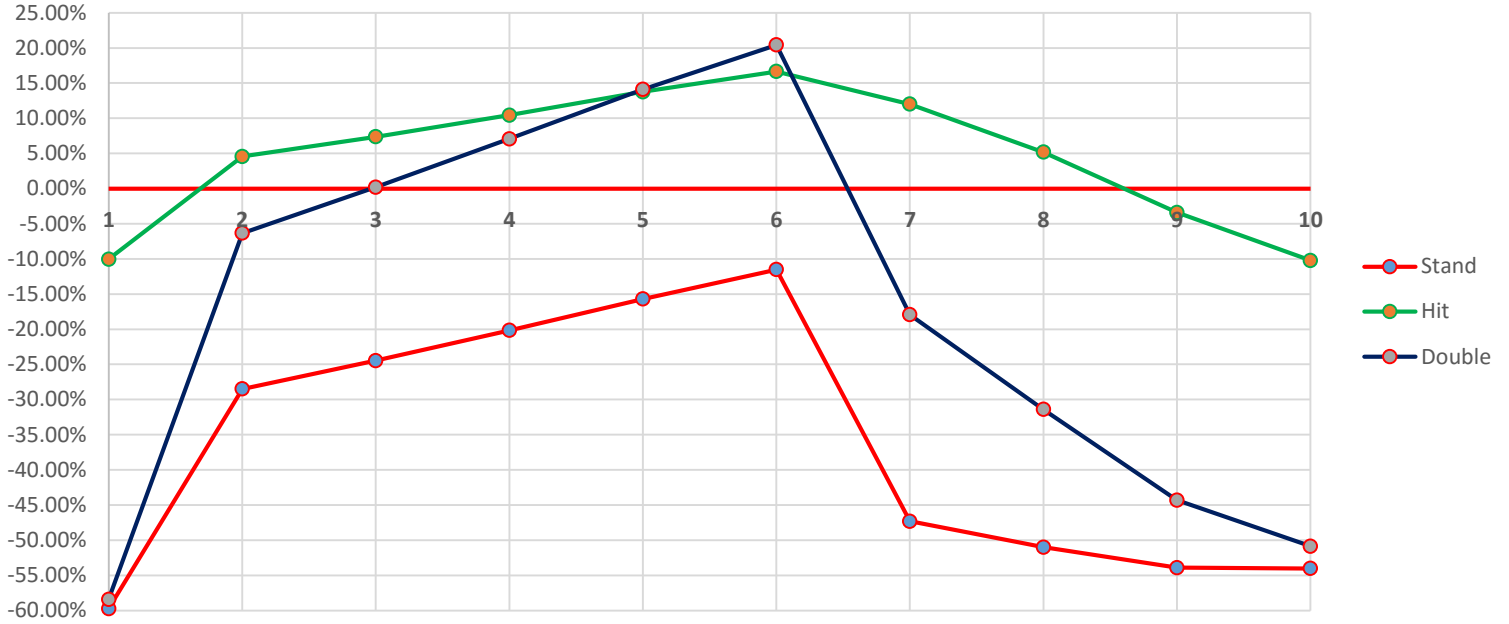
Player Hand: 19



PLAYER HAND: A 2

Dealer:	1	2	3	4	5	6	7	8	9	10
STAND	-59.72%	-28.50%	-24.46%	-20.17%	-15.71%	-11.53%	-47.31%	-51.00%	-53.91%	-54.01%
HIT	-10.04%	4.56%	7.37%	10.43%	13.76%	16.64%	12.01%	5.18%	-3.40%	-10.23%
DOUBLE	-58.42%	-6.34%	0.19%	7.06%	14.10%	20.42%	-17.94%	-31.40%	-44.31%	-50.85%

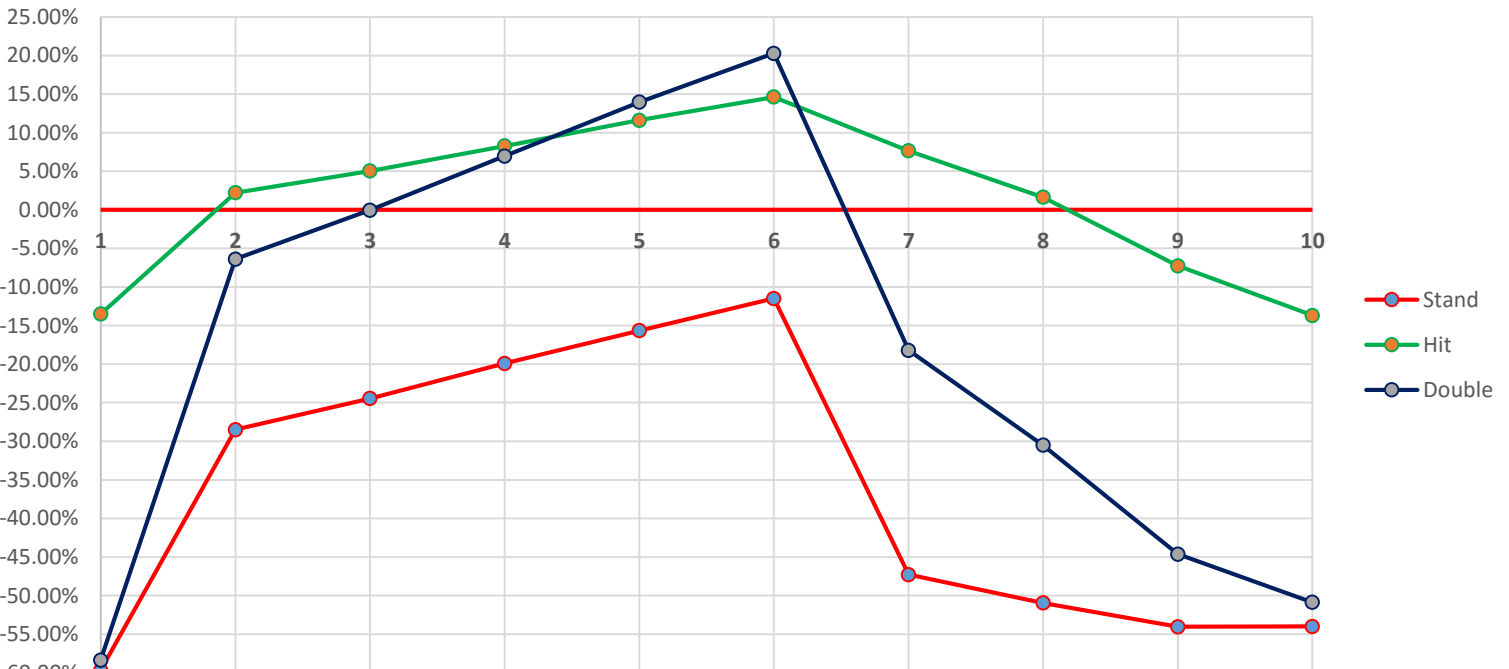
Player Hand: A 2



PLAYER HAND: A 3

Dealer:	1	2	3	4	5	6	7	8	9	10
STAND	-59.68%	-28.50%	-24.45%	-19.92%	-15.66%	-11.49%	-47.28%	-50.96%	-54.05%	-54.00%
HIT	-13.51%	2.21%	5.03%	8.27%	11.61%	14.61%	7.65%	1.64%	-7.27%	-13.70%
DOUBLE	-58.37%	-6.39%	-0.05%	6.97%	13.96%	20.29%	-18.22%	-30.50%	-44.63%	-50.87%

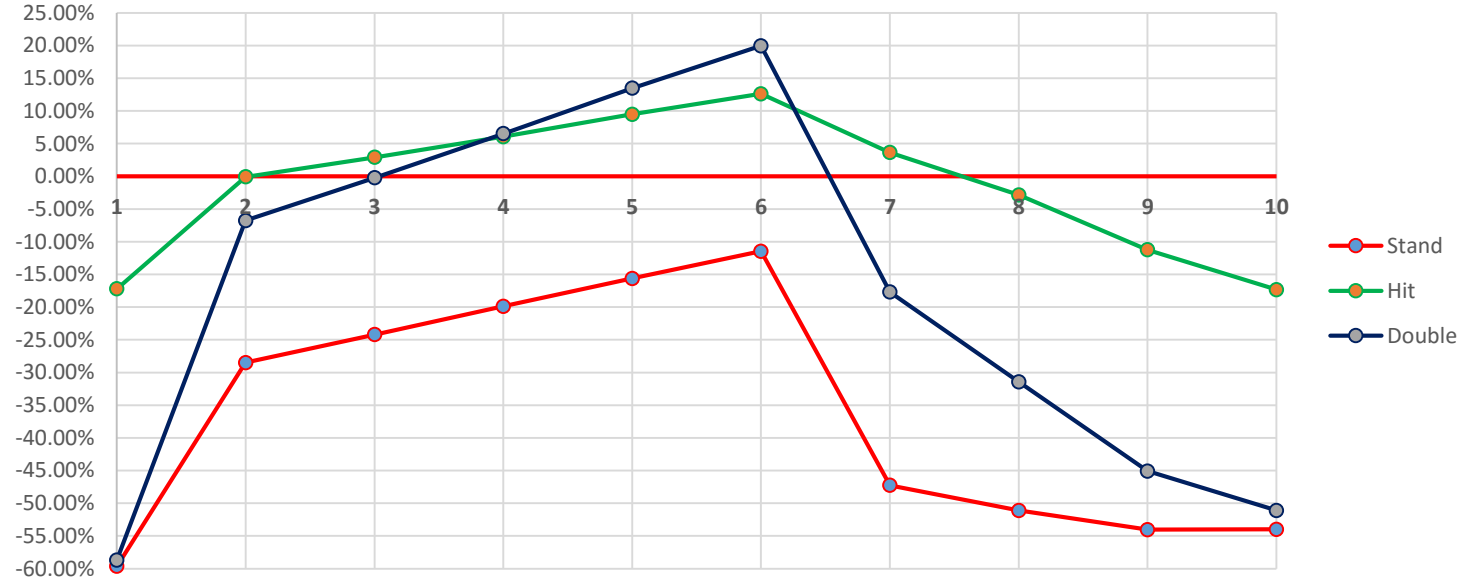
Player Hand: A 3



PLAYER HAND: A 4

Dealer:	1	2	3	4	5	6	7	8	9	10
STAND	-59.65%	-28.49%	-24.20%	-19.87%	-15.62%	-11.46%	-47.25%	-51.10%	-54.04%	-54.00%
HIT	-17.20%	-0.09%	2.90%	6.07%	9.49%	12.62%	3.64%	-2.84%	-11.24%	-17.32%
DOUBLE	-58.69%	-6.75%	-0.22%	6.52%	13.49%	19.96%	-17.71%	-31.43%	-45.09%	-51.11%

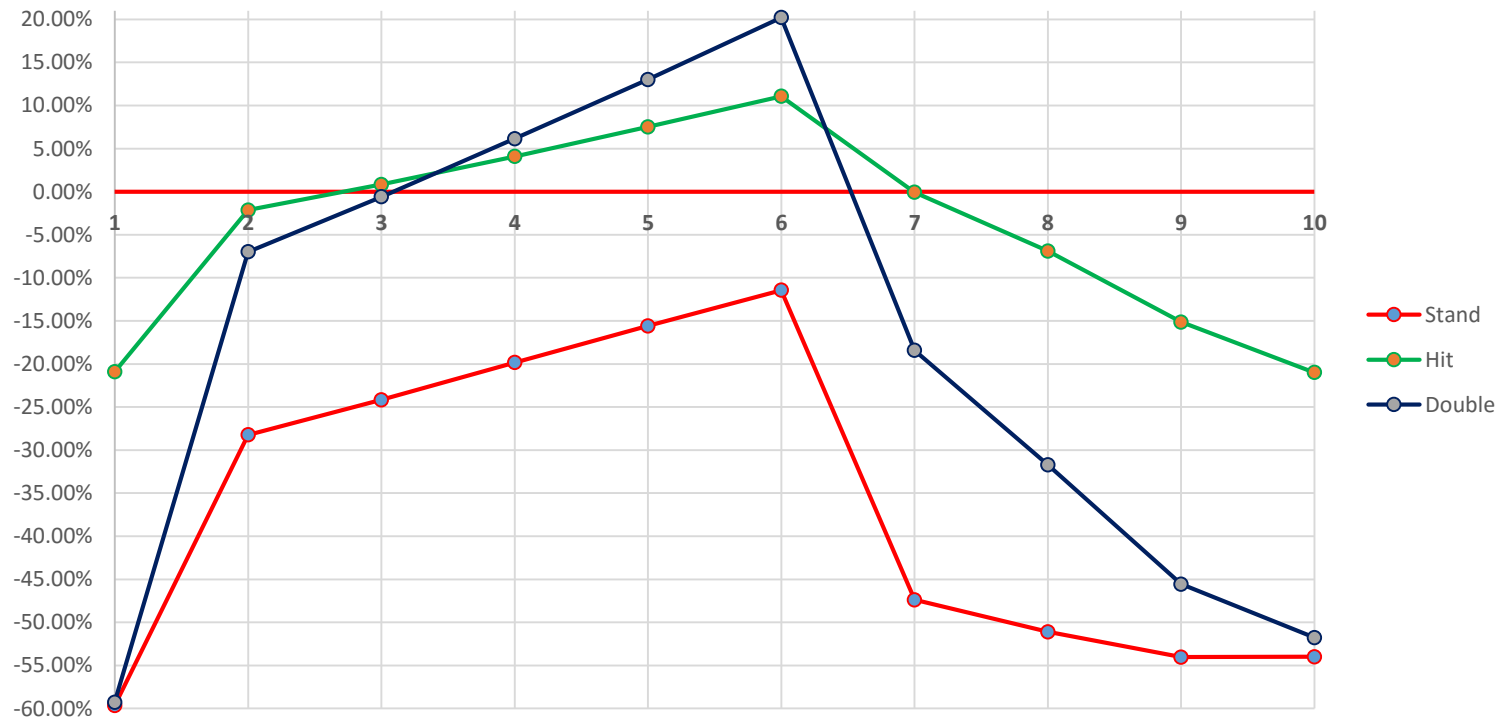
Player Hand: A 4



PLAYER HAND: A 5

Dealer:	1	2	3	4	5	6	7	8	9	10
STAND	-59.66%	-28.23%	-24.16%	-19.84%	-15.59%	-11.45%	-47.39%	-51.10%	-54.03%	-53.99%
HIT	-20.91%	-2.14%	0.83%	4.09%	7.52%	11.07%	-0.08%	-6.90%	-15.14%	-21.00%
DOUBLE	-59.28%	-6.99%	-0.60%	6.15%	13.02%	20.20%	-18.43%	-31.71%	-45.57%	-51.76%

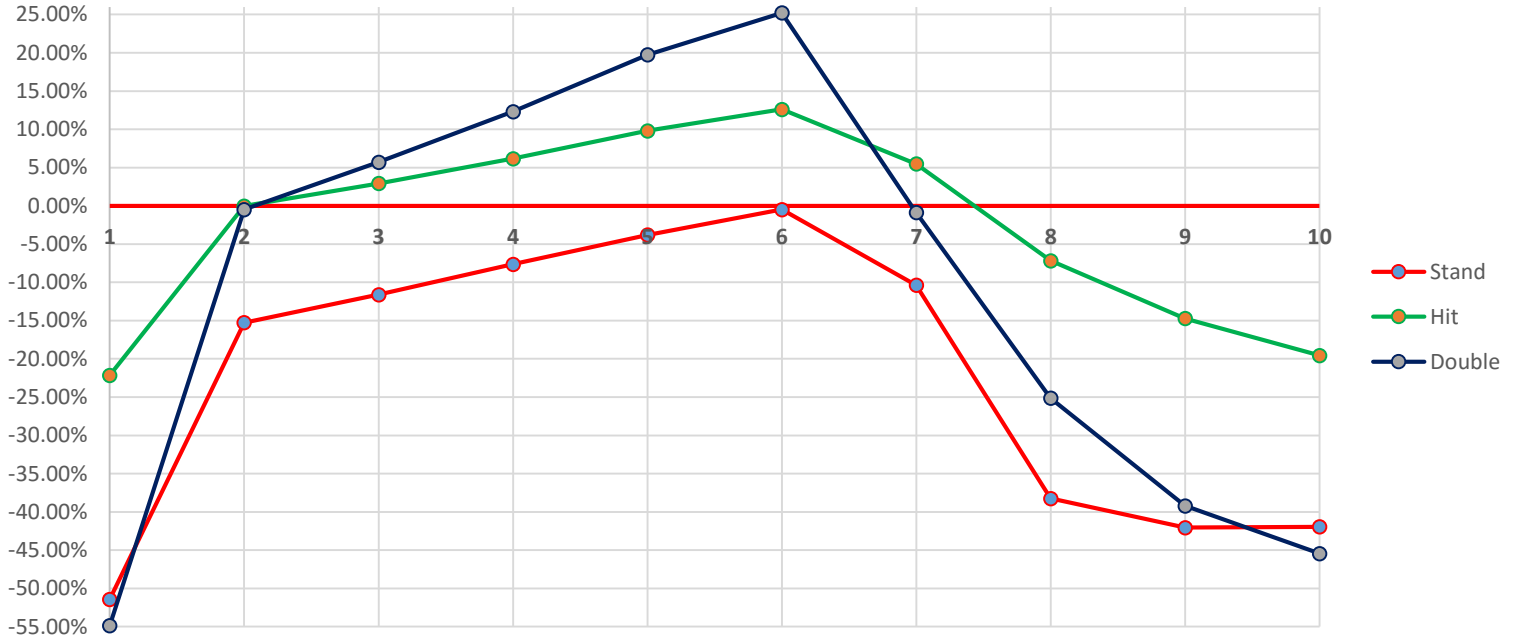
Player Hand: A 5



PLAYER HAND: A 6

Dealer:	1	2	3	4	5	6	7	8	9	10
STAND	-51.42%	-15.27%	-11.61%	-7.63%	-3.80%	-0.49%	-10.38%	-38.25%	-42.05%	-41.95%
HIT	-22.14%	-0.02%	2.92%	6.16%	9.80%	12.60%	5.47%	-7.17%	-14.72%	-19.56%
DOUBLE	-54.85%	-0.48%	5.71%	12.32%	19.73%	25.21%	-0.88%	-25.13%	-39.21%	-45.45%

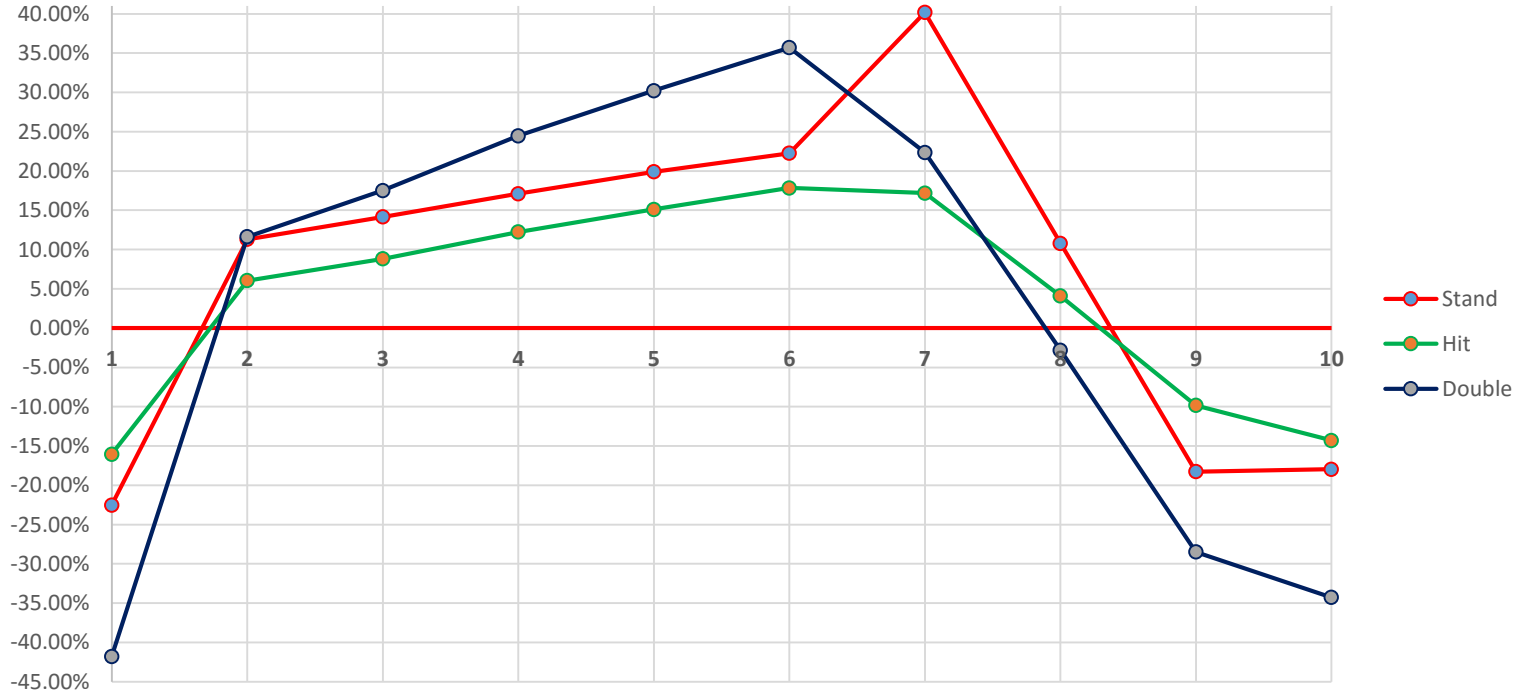
Player Hand: A 6



PLAYER HAND: A 7

Dealer:	1	2	3	4	5	6	7	8	9	10
STAND	-22.53%	11.31%	14.15%	17.10%	19.89%	22.25%	40.18%	10.80%	-18.26%	-17.95%
HIT	-16.04%	6.04%	8.82%	12.23%	15.11%	17.84%	17.18%	4.10%	-9.84%	-14.29%
DOUBLE	-41.78%	11.62%	17.52%	24.47%	30.22%	35.69%	22.36%	-2.81%	-28.48%	-34.27%

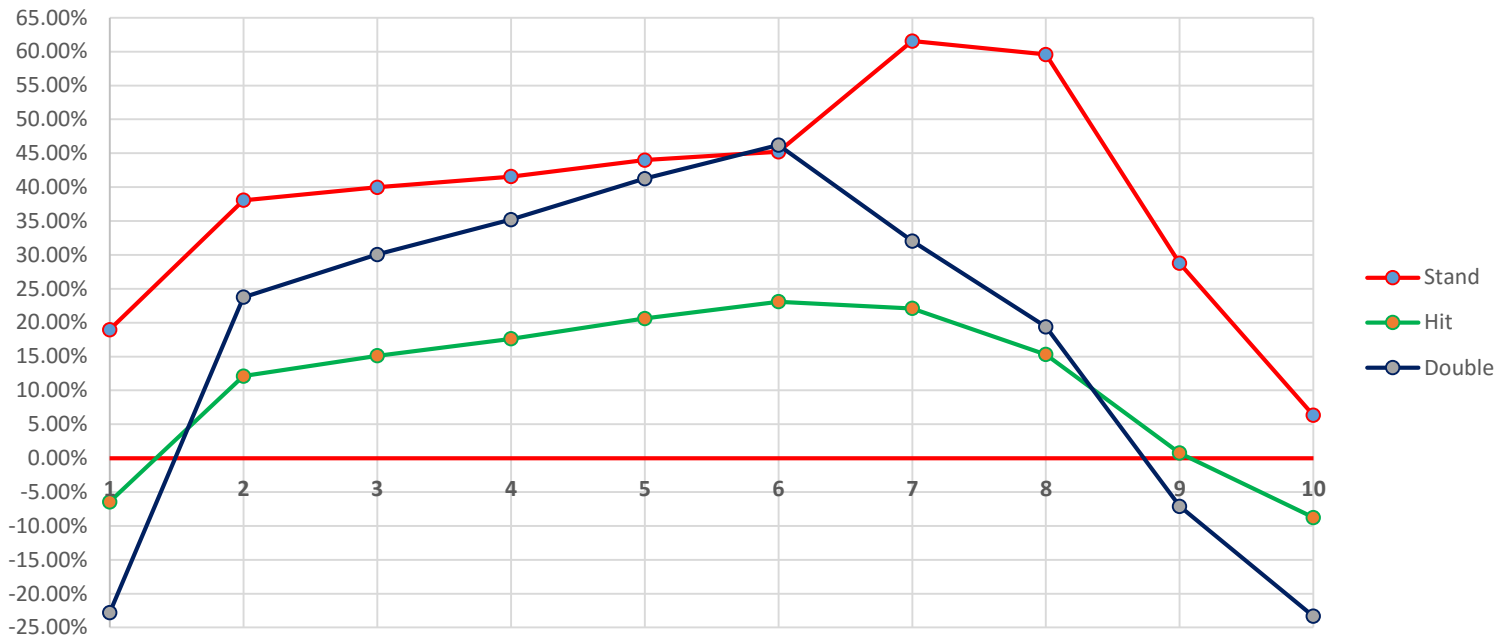
Player Hand: A 7



PLAYER HAND: A 8

Dealer:	1	2	3	4	5	6	7	8	9	10
STAND	18.95%	38.07%	39.97%	41.55%	43.99%	45.22%	61.57%	59.58%	28.76%	6.33%
HIT	-6.46%	12.11%	15.10%	17.60%	20.62%	23.10%	22.09%	15.29%	0.74%	-8.76%
DOUBLE	-22.82%	23.76%	30.06%	35.20%	41.24%	46.20%	32.05%	19.39%	-7.11%	-23.35%

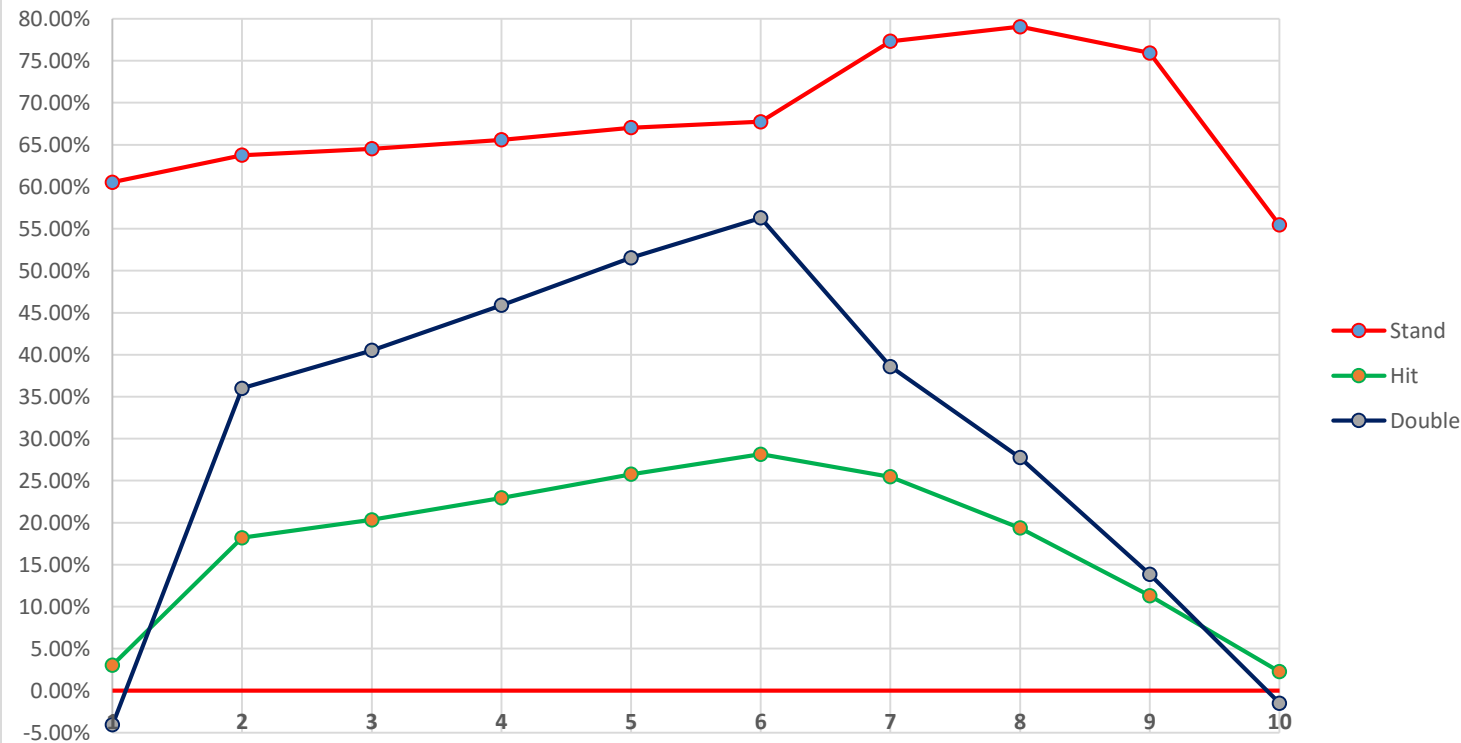
Player Hand: A 8



PLAYER HAND: A 9

Dealer:	1	2	3	4	5	6	7	8	9	10
STAND	60.54%	63.76%	64.52%	65.58%	67.04%	67.75%	77.32%	79.06%	75.94%	55.45%
HIT	3.04%	18.21%	20.34%	22.94%	25.77%	28.14%	25.46%	19.37%	11.31%	2.26%
DOUBLE	-4.07%	36.00%	40.52%	45.88%	51.54%	56.29%	38.59%	27.74%	13.85%	-1.50%

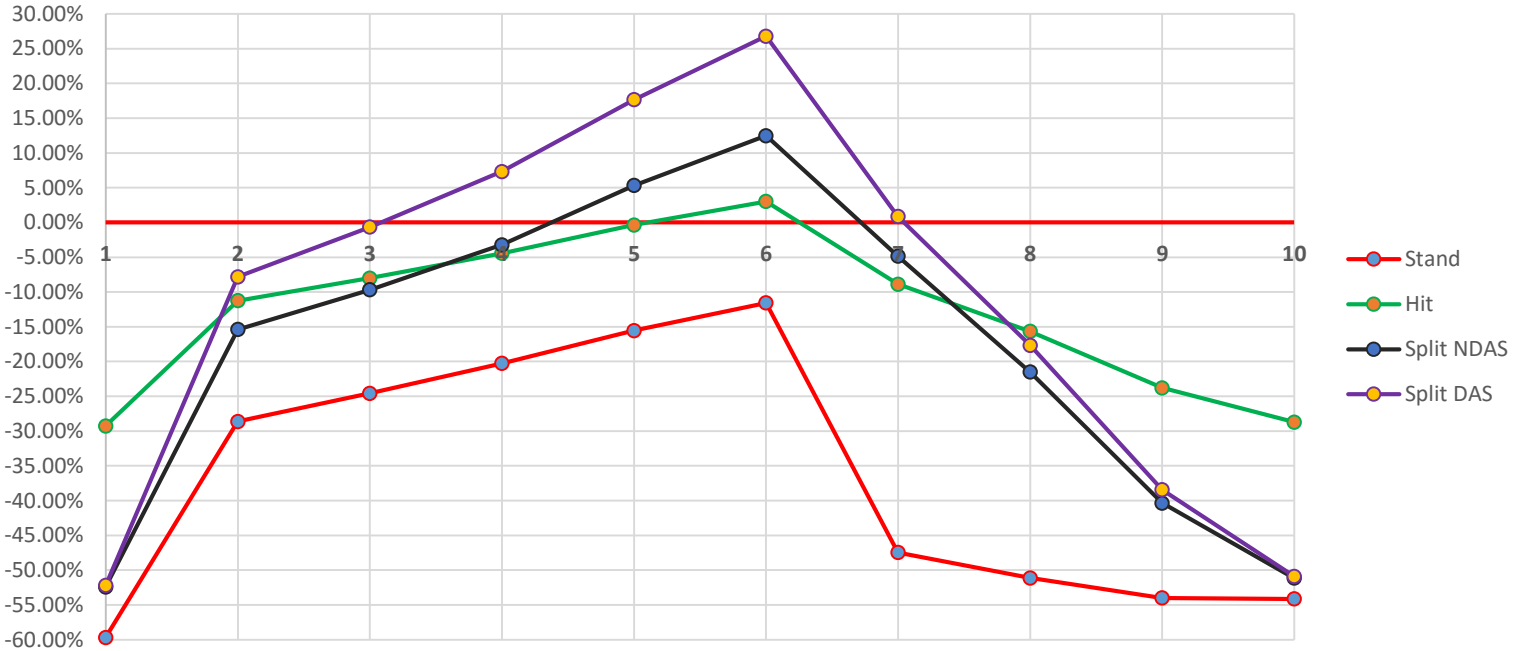
Player Hand: A 9



PLAYER HAND: 2 2

Dealer:	1	2	3	4	5	6	7	8	9	10
STAND	-59.68%	-28.61%	-24.56%	-20.26%	-15.54%	-11.56%	-47.46%	-51.12%	-54.01%	-54.15%
HIT	-29.26%	-11.25%	-8.01%	-4.43%	-0.37%	3.02%	-8.88%	-15.67%	-23.78%	-28.70%
DOUBLE	-119.37%	-57.23%	-49.13%	-40.53%	-31.09%	-23.12%	-94.92%	-102.24%	-108.02%	-108.31%
SPLIT NDAS	-52.41%	-15.39%	-9.69%	-3.22%	5.32%	12.47%	-4.85%	-21.51%	-40.36%	-51.14%
SPLIT DAS	-52.20%	-7.82%	-0.65%	7.33%	17.65%	26.80%	0.85%	-17.67%	-38.44%	-50.90%

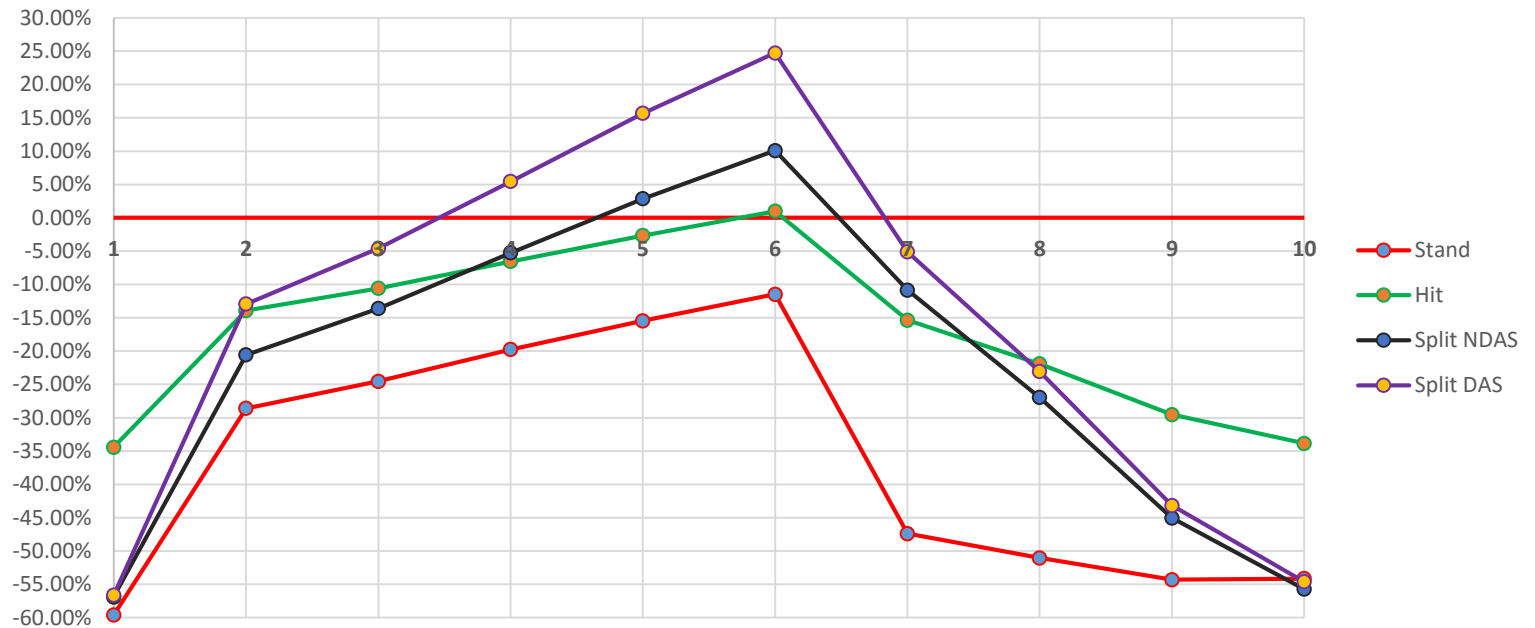
Player Hand: 2 2



PLAYER HAND: 3 3

Dealer:	1	2	3	4	5	6	7	8	9	10
STAND	-59.62%	-28.60%	-24.54%	-19.75%	-15.46%	-11.48%	-47.39%	-51.05%	-54.30%	-54.14%
HIT	-34.43%	-13.92%	-10.58%	-6.56%	-2.67%	0.98%	-15.37%	-21.91%	-29.52%	-33.86%
DOUBLE	-118.01%	-55.18%	-47.14%	-37.66%	-29.09%	-21.20%	-89.02%	-100.11%	-106.73%	-106.39%
SPLIT NDAS	-56.91%	-20.58%	-13.61%	-5.25%	2.87%	10.08%	-10.84%	-26.95%	-45.03%	-55.73%
SPLIT DAS	-56.64%	-12.94%	-4.61%	5.45%	15.67%	24.74%	-5.11%	-23.06%	-43.16%	-54.63%

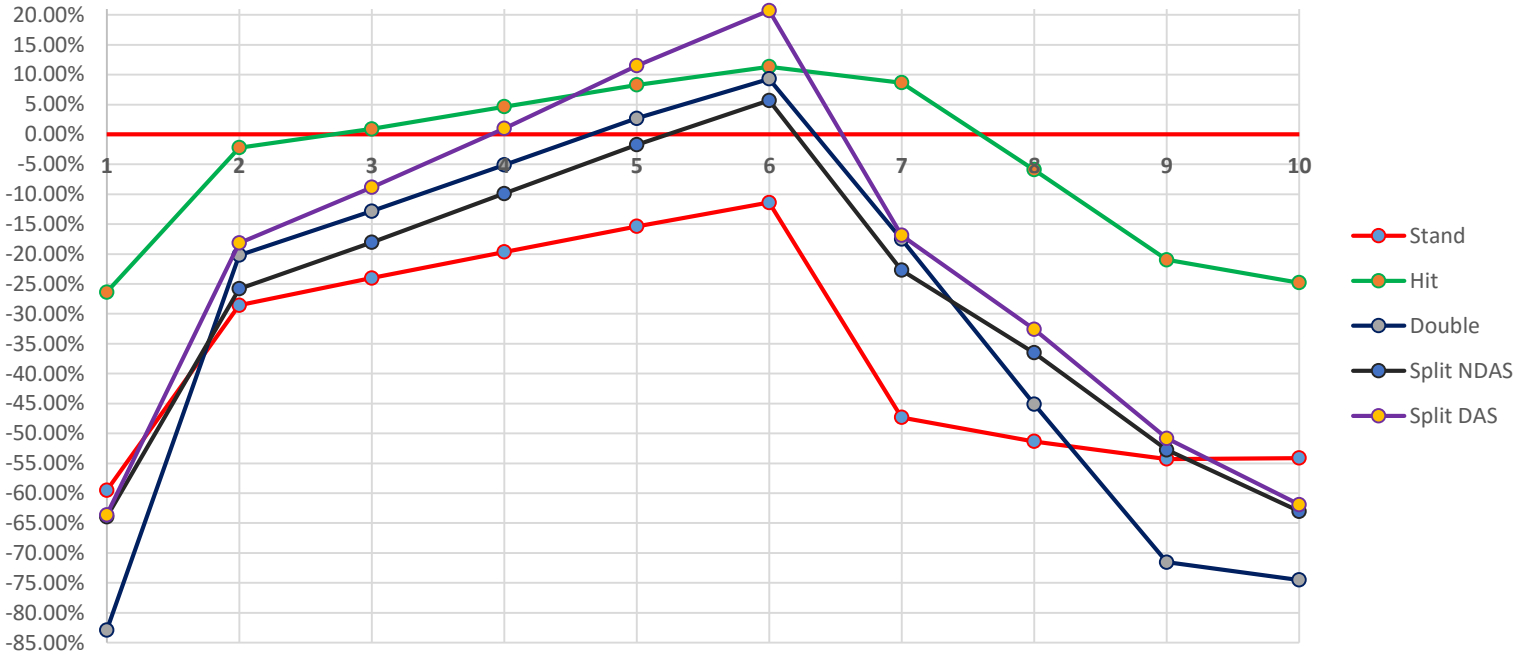
Player Hand: 3 3



PLAYER HAND: 4 4

Dealer:	1	2	3	4	5	6	7	8	9	10
STAND	-59.54%	-28.57%	-24.03%	-19.66%	-15.37%	-11.40%	-47.32%	-51.34%	-54.28%	-54.12%
HIT	-26.38%	-2.22%	0.93%	4.63%	8.28%	11.33%	8.66%	-5.90%	-20.98%	-24.79%
DOUBLE	-82.93%	-20.19%	-12.83%	-5.09%	2.69%	9.29%	-17.51%	-45.10%	-71.56%	-74.51%
SPLIT NDAS	-63.98%	-25.82%	-18.04%	-9.89%	-1.72%	5.69%	-22.72%	-36.53%	-52.77%	-63.05%
SPLIT DAS	-63.64%	-18.15%	-8.84%	1.00%	11.48%	20.72%	-16.87%	-32.58%	-50.84%	-61.92%

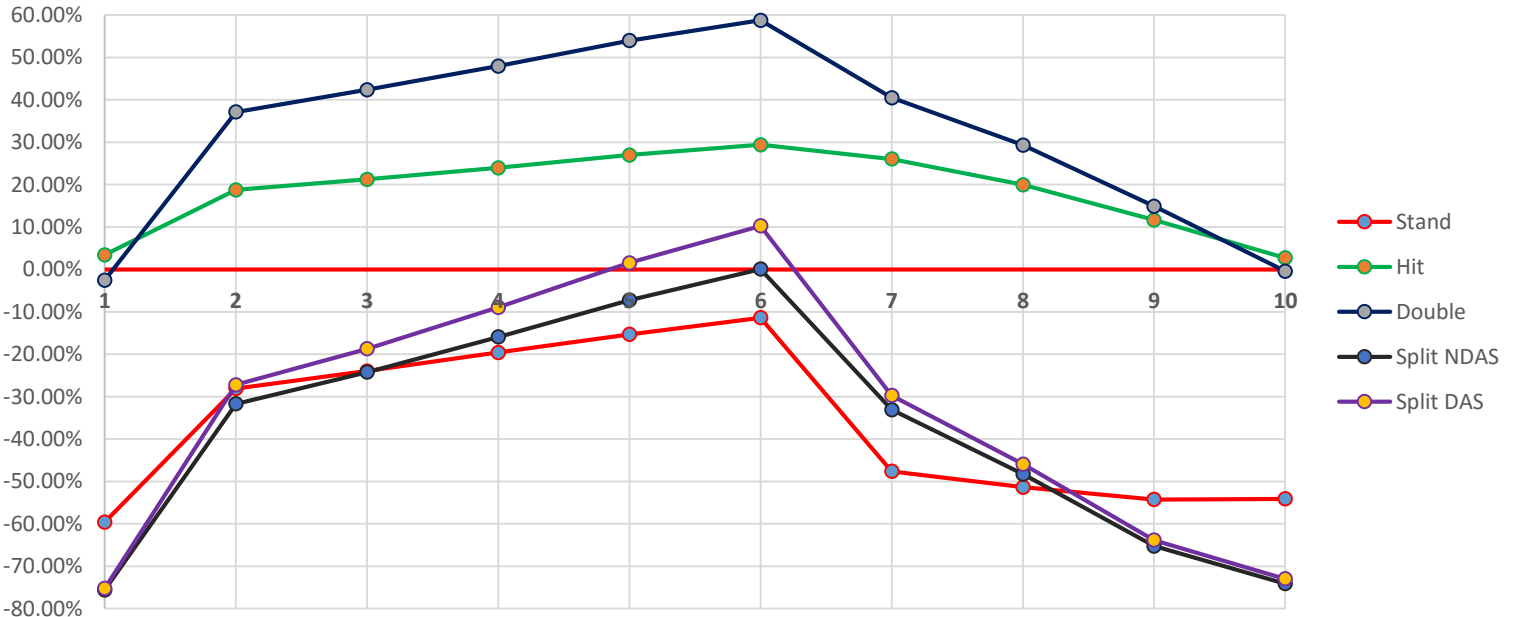
Player Hand: 4 4



PLAYER HAND: 5 5 – Play exactly as if you had a 10

Dealer:	1	2	3	4	5	6	7	8	9	10
STAND	-59.57%	-28.07%	-23.95%	-19.59%	-15.31%	-11.39%	-47.62%	-51.33%	-54.26%	-54.10%
HIT	3.44%	18.76%	21.25%	23.96%	26.98%	29.37%	26.03%	19.95%	11.66%	2.71%
DOUBLE	-2.55%	37.11%	42.38%	47.93%	53.96%	58.75%	40.47%	29.30%	14.91%	-0.40%
SPLIT NDAS	-75.55%	-31.68%	-24.21%	-15.91%	-7.24%	0.09%	-33.09%	-48.27%	-65.23%	-74.09%
SPLIT DAS	-75.18%	-27.19%	-18.70%	-8.93%	1.53%	10.24%	-29.75%	-45.93%	-63.84%	-72.97%

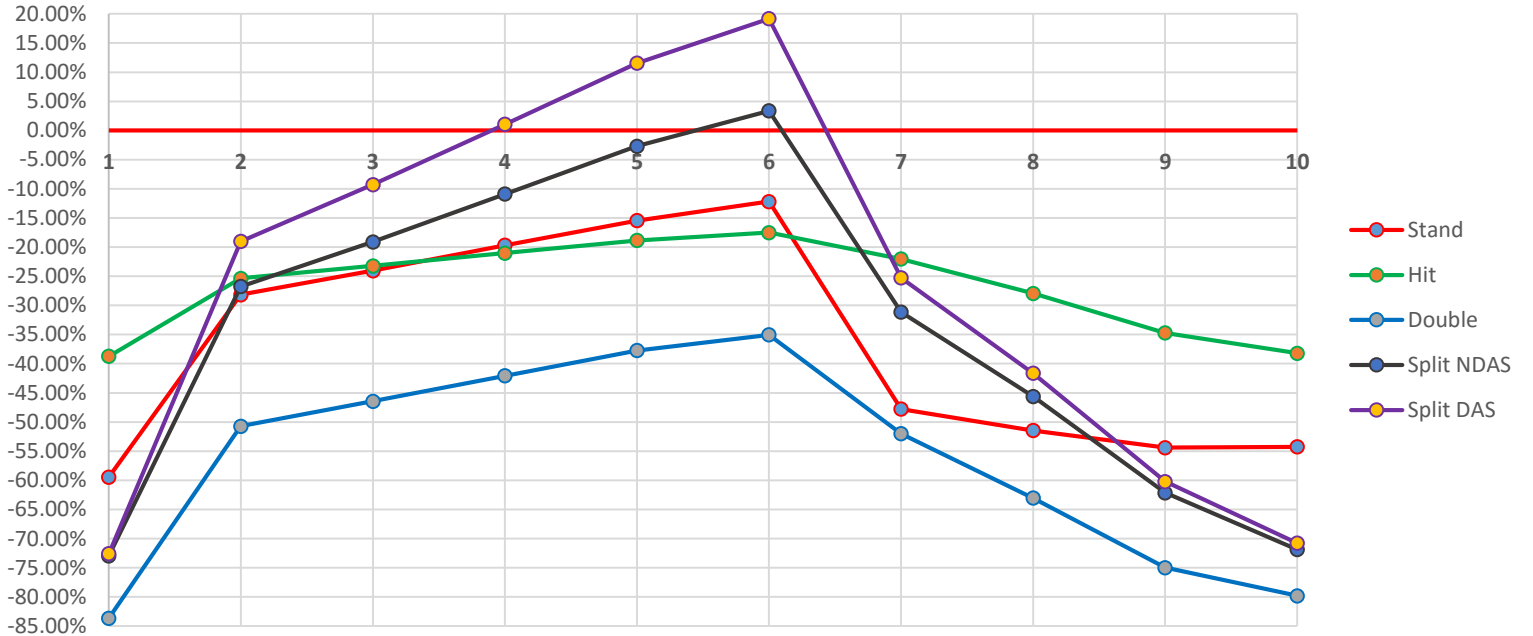
Player Hand: 5 5



PLAYER HAND: 6 6

Dealer:	1	2	3	4	5	6	7	8	9	10
STAND	-59.44%	-28.17%	-24.04%	-19.68%	-15.45%	-12.18%	-47.77%	-51.46%	-54.39%	-54.27%
HIT	-38.72%	-25.36%	-23.22%	-21.03%	-18.86%	-17.52%	-22.05%	-27.93%	-34.71%	-38.19%
DOUBLE	-83.66%	-50.72%	-46.44%	-42.06%	-37.73%	-35.04%	-52.01%	-63.05%	-74.99%	-79.82%
SPLIT NDAS	-72.96%	-26.76%	-19.10%	-10.89%	-2.69%	3.38%	-31.16%	-45.61%	-62.14%	-71.89%
SPLIT DAS	-72.60%	-19.01%	-9.27%	1.07%	11.55%	19.18%	-25.29%	-41.64%	-60.20%	-70.78%

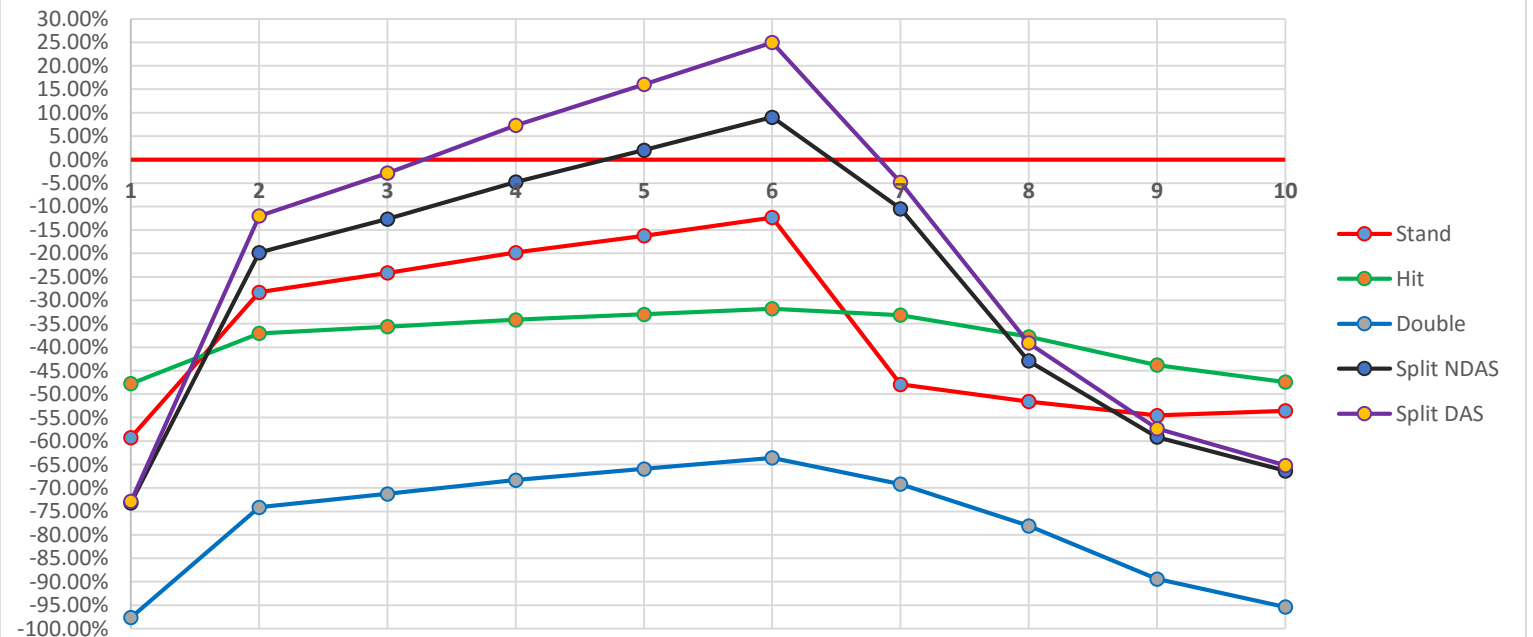
Player Hand: 6 6



PLAYER HAND: 7 7

Dealer:	1	2	3	4	5	6	7	8	9	10
STAND	-59.26%	-28.27%	-24.15%	-19.83%	-16.24%	-12.34%	-47.91%	-51.57%	-54.55%	-53.55%
HIT	-47.75%	-37.05%	-35.62%	-34.15%	-32.97%	-31.79%	-33.17%	-37.77%	-43.79%	-47.40%
DOUBLE	-97.64%	-74.11%	-71.25%	-68.31%	-65.94%	-63.59%	-69.19%	-78.09%	-89.40%	-95.36%
SPLIT NDAS	-73.18%	-19.82%	-12.64%	-4.79%	2.00%	9.04%	-10.48%	-42.92%	-59.14%	-66.35%
SPLIT DAS	-72.85%	-12.02%	-2.85%	7.29%	16.05%	24.98%	-4.85%	-39.09%	-57.35%	-65.20%

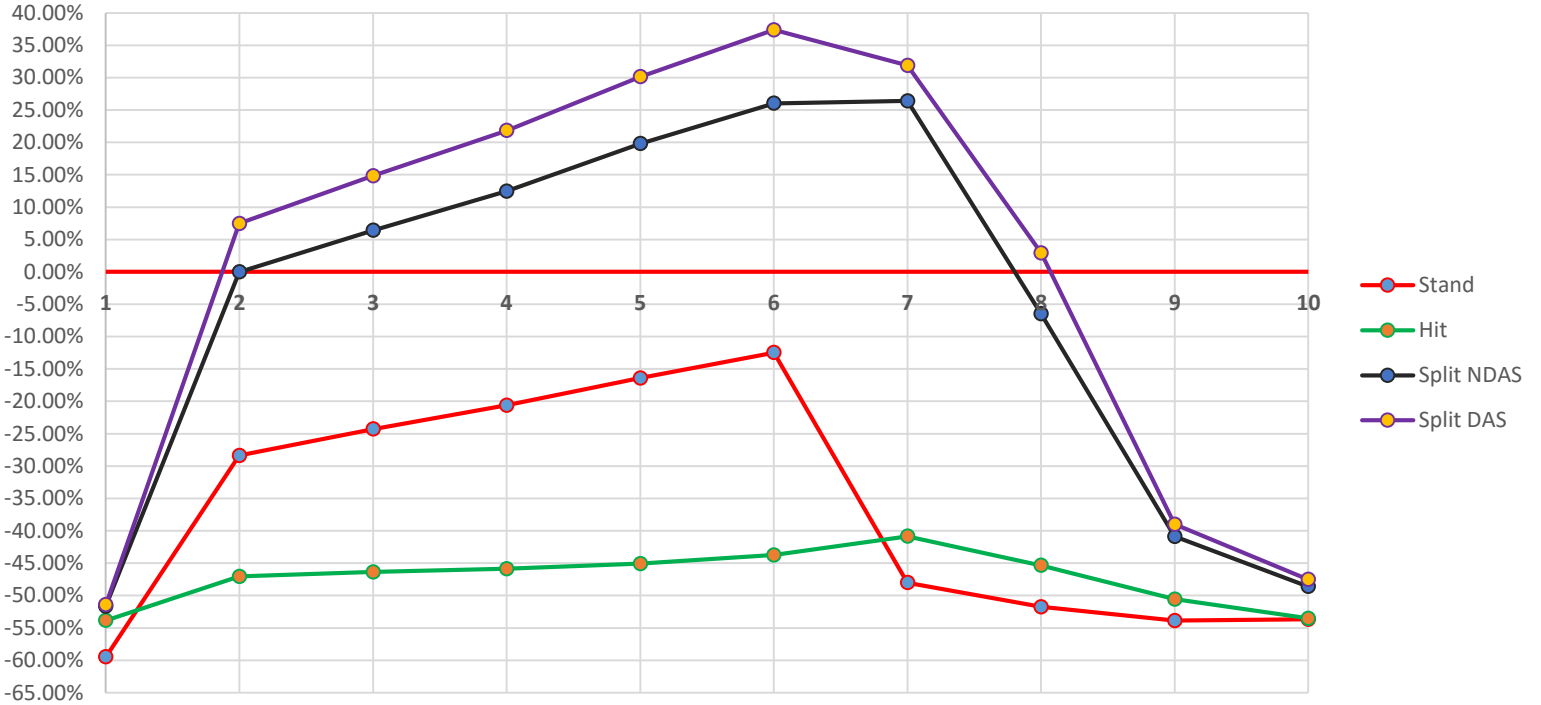
Player Hand: 7 7



PLAYER HAND: 8 8

Dealer:	1	2	3	4	5	6	7	8	9	10
STAND	-59.48%	-28.37%	-24.28%	-20.61%	-16.40%	-12.48%	-48.01%	-51.75%	-53.88%	-53.68%
HIT	-53.85%	-47.06%	-46.36%	-45.87%	-45.08%	-43.75%	-40.84%	-45.34%	-50.57%	-53.53%
DOUBLE	-107.71%	-94.13%	-92.72%	-91.75%	-90.16%	-87.50%	-81.68%	-90.68%	-101.14%	-107.07%
SPLIT NDAS	-51.65%	-0.02%	6.41%	12.46%	19.79%	26.03%	26.41%	-6.50%	-40.87%	-48.62%
SPLIT DAS	-51.43%	7.46%	14.83%	21.82%	30.14%	37.38%	31.88%	2.92%	-38.99%	-47.53%

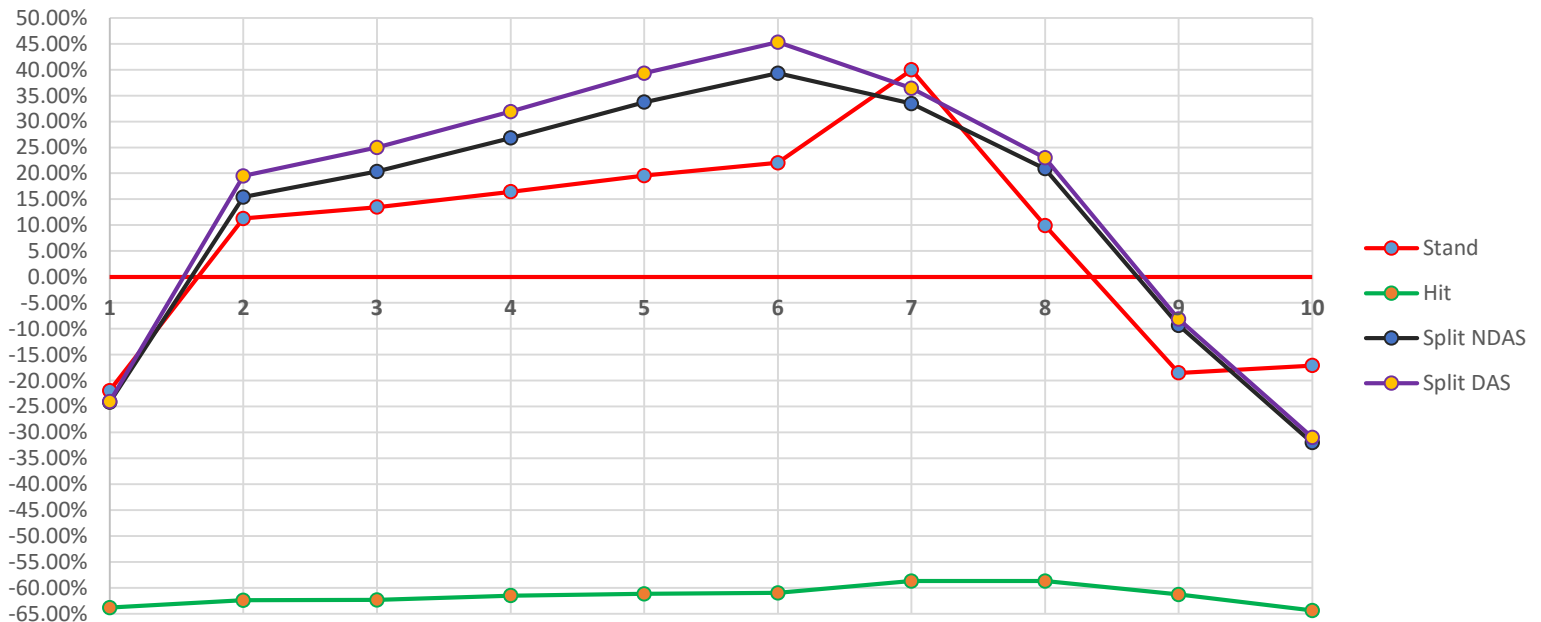
Player Hand: 8 8



PLAYER HAND: 9 9

Dealer:	1	2	3	4	5	6	7	8	9	10
STAND	-21.95%	11.27%	13.47%	16.44%	19.55%	22.01%	39.95%	9.92%	-18.52%	-17.10%
HIT	-63.84%	-62.43%	-62.37%	-61.51%	-61.17%	-61.00%	-58.71%	-58.71%	-61.30%	-64.39%
DOUBLE	-127.69%	-124.87%	-124.75%	-123.02%	-122.35%	-122.01%	-117.43%	-117.42%	-122.61%	-128.79%
SPLIT NDAS	-24.21%	15.40%	20.35%	26.80%	33.74%	39.32%	33.45%	20.88%	-9.35%	-32.00%
SPLIT DAS	-24.09%	19.50%	24.98%	31.90%	39.32%	45.30%	36.41%	22.99%	-8.15%	-30.99%

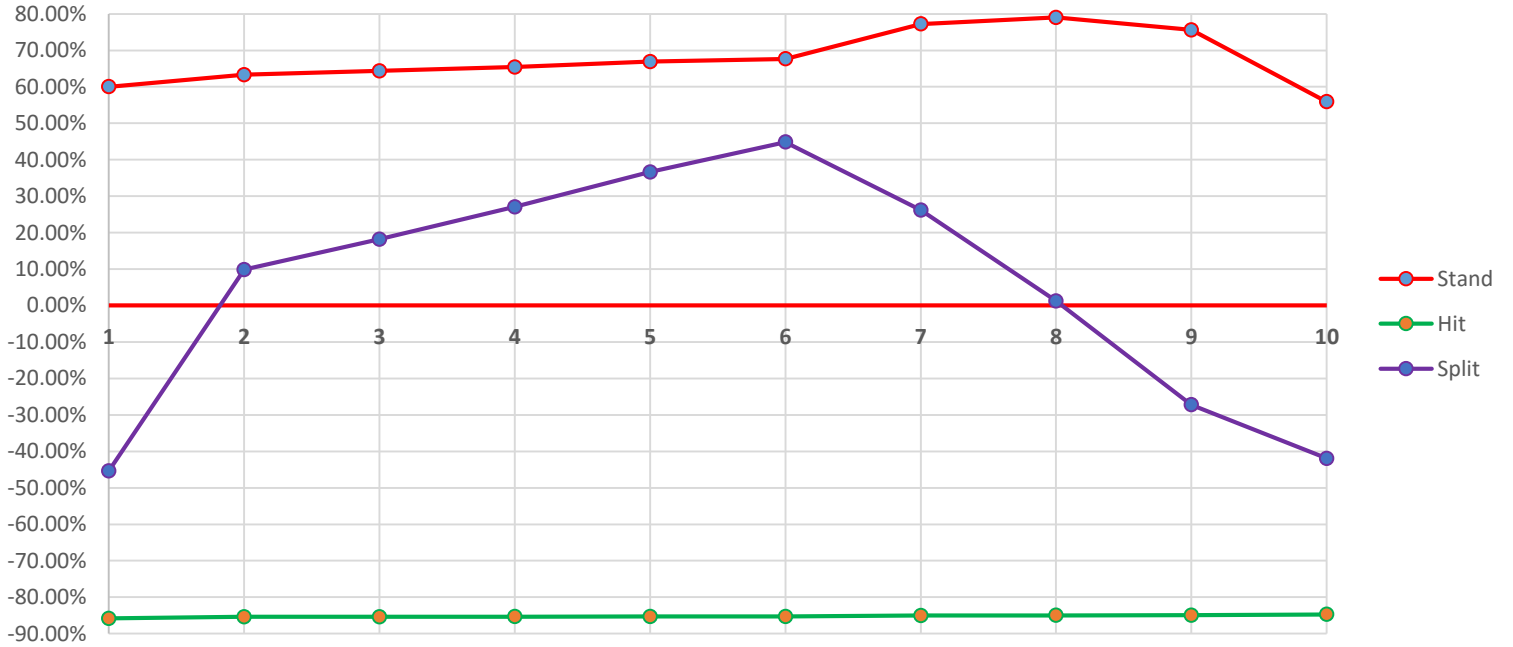
Player Hand: 9 9



PLAYER HAND: 10 10

Dealer:	1	2	3	4	5	6	7	8	9	10
STAND	60.03%	63.29%	64.36%	65.42%	66.89%	67.65%	77.20%	79.04%	75.60%	55.91%
HIT	-85.84%	-85.39%	-85.37%	-85.34%	-85.31%	-85.29%	-85.04%	-85.01%	-84.94%	-84.71%
DOUBLE	-171.69%	-170.79%	-170.74%	-170.69%	-170.62%	-170.58%	-170.08%	-170.02%	-169.88%	-169.42%
SPLIT (=)	-45.34%	9.85%	18.19%	27.04%	36.62%	44.85%	26.20%	1.25%	-27.25%	-41.95%

Player Hand: 10 10



PLAYER HAND: A A

Dealer:	1	2	3	4	5	6	7	8	9	10
STAND	-59.75%	-28.40%	-24.36%	-20.08%	-15.87%	-11.51%	-47.17%	-50.87%	-53.80%	-53.87%
HIT	-6.47%	8.20%	10.44%	12.92%	16.08%	18.95%	16.43%	9.45%	-0.03%	-6.63%
DOUBLE	-58.51%	-6.00%	0.55%	7.36%	14.18%	20.63%	-17.64%	-31.15%	-45.08%	-50.66%
SPLIT (=)	12.09%	48.53%	53.27%	58.23%	63.37%	67.96%	47.56%	35.97%	23.77%	18.19%

Player Hand: A A

