

Pairs / Trips

double 3 of a kind 6

3 of a kind 3

4pair 4

3pair 2

2pair 1

QuadsFlush

double 4 of a kind 12

4 of a kind 6

8 of the same color 9

7 of the same color 7

6 of the same color 4

Straight

straight with 5 of the same color & more than 2 colors 5

straight, 6 to 8 kinds 4

straight, 3 to 5 kinds 2

Whole or Divided straight

whole or divided straight in 2 colors, 4 or 5 kinds 6

4pair & whole or divided straight 2

divided straight & 6 to 8 of the same color 2

2pair & straight & (3 or 4 of a kind or 6 of the same color) 1

Additional rules

A=(1,14) K=13 Q=12 J=11 T=10

8 cards of 11 are selected for a hand, the best (most points) non-folded hand will win the pot.

The total score (0 to 13) is calculated by adding the best you have in each category, you can get points for at most one thing in each Category (Trip / Pairs, QuadsFlush, Straight, Whole or Divided Straight).

Straight = all 8 cards connected. (3 to 8 kinds).

2 can be given the number 15 for whole straight (3 to 8 kinds) or part-straight of 3 kinds.

3 can be given the number 16 for a whole straight of 4 kinds.

Divided straight = all 8 cards in each of the 2 parts of the divided straight connected.

If 2 or more hands have the same number of points the lowest cards are compared (higher is better), if all cards have the same number the pot is shared.

Betting

0. There is no minimum raise besides having to bet in whole units.

1. You start out with a total of 5 cards (common+hand), bet, 8 cards total, bet, 10 cards total, bet, 11 cards total, bet.

2. The betting is always done in the same order for one hand. You will get the opportunity to re-raise if you check/call and someone after you raises, if nobody raises it will proceed to the next round after all players have checked/called.

3. You can always bet up to the total size of the stack. You can still go all-in if you cannot match the size of the biggest bet.

NLP8 can be played without any differentiated forced betting (such as big blind and small blind) resulting in everyone being able to see the flop without betting anything more.

NLP8 variants

Main variant tested was NLP8 A (5 hole cards, progressing to 6 community cards, 4 betting rounds) and it passed all tests.

Round 1	Round 2	Round 3	Round 4	Max players	Min debt	Name
3H 2C	3H 5C	3H 7C	3H 8C	14	30 ipot	NLP8 C
5H	5H 3C	5H 5C	5H 6C	9	30 ipot	NLP8 A
3H 2C	3H 1V 4C	3H 2V 5C	3H 2V 6C	9	30 ipot	NLP8 B

H=hole card. C=community card, V=visible card an individual player have. ipot = initial pot (can be antes or blinds).

Round 1	Round 2	Round 3	Round 4	Max players	Min debt	Name
3H 2V	3H 2V 3C	3H 2V 5C	3H 2V 6C	9	30 ipot	NLP8 G
5H	5H 1V 2C	5H 2V 3C	5H 3V 3C	6	30 ipot	NLP8 D
3H 2C	3H 2V 3C	3H 4V 3C	3H 5V 3C	6	30 ipot	NLP8 E
5H	5H 3V	5H 5V	5H 6V	4	30 ipot	NLP8 F
3H 2V	3H 5V	3H 7V	3H 8V	4	30 ipot	NLP8 H

Preflop: 5 cards total.

Flop: 8 cards total.

Turn: 10 cards total.

River: 11 cards total.

Round 1	Round 2	Round 3	Round 4	Round 5	Max players	Min debt	Name
3H 2C	3H 2V 3C	3H 2V 4C	3H 2V 5C	3H 2V 6C	9	40 ipot	NLP8 J
5H	5H 3C	5H 5C	5H 6C	3H 2V 6C	9	40 ipot	NLP8 X
5H	5H 3C	5H 4C	5H 5C	5H 6C	9	40 ipot	NLP8 K
5H	4H 1V 3C	3H 2V 4C	3H 2V 5C	3H 2V 6C	9	40 ipot	NLP8 Q
5H	5H 3C	3H 2V 4C	3H 2V 5C	3H 2V 6C	9	40 ipot	NLP8 L

Which hole cards that are made to be visible for others (if any) for a round are selected by the player in the betting order after adding cards (if any).

Starting with 3 cards instead of 5

In the systems above you always start with 5 cards, now let's take a look at games where you start with only 3 cards.

Round 1	Round 2	Round 3	Round 4	Round 5	Max players	Min debt	Name
3H	3H 2V	3H 2V 3C	3H 2V 5C	3H 2V 6C	9	100 ipot	NLP8 M

Round 1	Round 2	Round 3	Round 4	Round 5	Round 6	Max players		Name
3H	3H 3C	3H 5C	3H 6C	3H 7C	3H 8C	14	100 ipot	NLP8 N

Rule clarifications

In this game straight simply means “all 8 cards connected” (3 to 8 long).

A divided straight will consist of two part-straight with a total of 8 cards.

You can count 2 as 15 as part of a divided straight even if the straight doesn't give you any points such as KA222 555

It's recommended to use a deck where each card has their own color, the recommended coloring is Clubs being green, diamonds being blue, hearts being red and spades being black.

The word "color" refers to one specific suit regardless of what deck is used.

Picking the winning hand

Now we are going to look at examples where we have 6 final community cards and each player having 5 hole cards. Selected for the winning hand in bold. (points)

Community cards	hole cards (best)	Hole cards (second)	Hole cards (third)	Hole cards (worst)
A3585A	A2346 (8)	QQQQJ (7)	JJ487 (4)	K7785 (4)
456456	779JQ (12)	6644T (12)	33AAA (12)	55888 (10)
AAA444	56789 (11) =	56789 (11) =	56789 (11)	56789 (9)
AAA444	A479Q (12)	56789 (11) =	56789 (11)	89999 (9)
A48755	99KT6 (9)	QQQQJ (6)	66A43 (6)	A2326 (5)
24785A	QQQQJ (6)	4578K (6)	69J6T (4)	7A93J (1)
859678	7T629 (8)	J5T35 (7)	QQQQJ (6)	6398K (6)
237T2J	6TTJ5 (7)	QQQQJ (7)	KA686 (5)	55949 (2)
457895	36T82 (13)	55999 (12)	TJQKA (11)	446AK (8)
45689T	34JQA (0)	34JQK (0) =	22JQK (0)	234KA (0)
QQQ222	AK68T (8) =	AK47T (8) =	AK456 (8) =	9TJKA (8)
89T89T	JQKA2 (13) =	JQKA2 (13)	34567 (13) =	34567 (13)
89T89T	JQKA2 (13)	7JQKA (13)	34567 (13)	TT998 (12)
89T89T	567JQ (13) =	567JQ (13)	234KA (9) =	234KA (9)
89T89T	KK246 (10)	JQ678 (10) =	JQ246 (10)	TTJ56 (10)
89T89T	KK246 (10)	TTJ56 (10)	J7678 (10) =	J7246 (10)
89T89T	JQ678 (10) =	JQ246 (10)	TTJ56 (10)	66246 (10)
KA2555	2279J (6)	AAK6Q (6)	JJTT (6)	444AK (6)
A64J8T	T9738 (5)	8J64J (4)	K7952 (4)	JAT37 (2)
9KK4QK	KAAA6 (11)	J9529 (6)	72QTJ (3)	468A8 (3) Q5336 (3)
467456	3579Q (12)	66443 (12)	89TJQ (11)	KQJT9 (11)
53335Q	53J46 (11)	22224 (11)	AAAK (9)	T9876 (9)
KA2555	2279J (6)	AAK6Q (6)	JJTT (6)	444AK (6)
333999	369JK (12)	TTTTJ (11)	8JQKA (9)	4242A (8)
AQT865	AQQT8 (4)	KJT97 (4)	AAQT9 (3)	KKK23 (3)
AAAQT2	QT2J98 (4)	KKT98 (3)	45678 (3)	34578 (3)
222789	6TJQA (7)	33445 (6)	AKJ78 (3)	AKQJ7 (3) 35JQA (3)

The "=" sign is used if two or more holdings are equally good.

Hand examples

Only the 8 selected cards are being listed (spades, hearts, clubs, diamonds, color not specified).

23589TTT: 6 of the same color & 3 of a kind 7

AAAA2234: 4 of a kind & straight 8

KKKA2223: double 3 of a kind & straight 8

44446666: double 4 of a kind 12

456789TJ: straight & 8-flush 13

4567KAAA: divided straight & 6 of the same color, 3 of a kind 9

45674567: straight in 2 colors & 4pair 12

45694569: divided straight in 2 colors & 4pair 10

45678457: straight in 2 colors & 3pair 10

45679457: divided straight in 2 colors & 3pair 8

456789TJ: straight of 8 kinds 4

4565687: straight of 6 kinds & 2pair 5

ATATATT8: 3 of a kind & 4 of a kind 9

6789TKQJ: Straight & 6 of the same color 8

KQ2AAQT2: 3pair 2

T85T5822: 4pair 4

45674687: straight & 3pair 4

AK5A8558: 3 of a kind 3

KQ4K433Q: divided straight & 4pair 6

23456773: 6 of the same color & 2pair & straight 10

34695778: straight of 7 kinds 4

456789TQ: divided straight & 8-flush 11

456789TT: straight of 7 kinds & 7-flush 11

JQKQKQKQ: straight & 3 of a kind & 4 of a kind 11

6789TJTT: straight & 6 of the same color & 3 of a kind 11

AAAKAQJ9: 4 of a kind 6

23453456: 3pair & straight 4

6789TT98: straight & 5 of the same color & 3pair 7

456789TJ: Straight of 8 kinds 4

456789TJ: Straight of 8 kinds, 5 of the same color, more than 2 colors 5

45678678: Straight of 5 kinds, 3pair, more than 2 colors 7

45678677: Straight of 5 kinds, 3 of a kind, more than 2 colors 8

45678677: Straight of 5 kinds, 3 of a kind, more than 2 colors 8

45678777: Straight of 5 kinds, 4 of a kind, more than 2 colors 11

23545452: Straight of 4 kinds, 3 of a kind, 2pair & straight & 3 of a kind 6

23453455: Straight of 4 kinds, 3 of a kind, 2pair & straight & 3 of a kind 6

45678QKA: no hand 0

45678KAA: no hand 0

456788KK: 2pair 1

45678894: straight, 2pair 5

45678894: straight, 2pair, more than 2 colors 6

Recommendations when playing the game live.

It's strongly recommended to have all players left for the pot show their hands once there is no more possible betting. That means that all hole-cards for the players left in the pot will be revealed if everyone has gone all before revealing any community cards that have not yet been showed to the players. Players who have folded will not have to show their cards.

Hole-cards (cards private to one players) should not be revealed to any other player if there is another player who can still bet. Hole-cards also shouldn't be shown to anyone who could potentially help with how to play the hand.

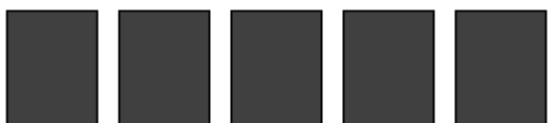
It's not recommended to allow players to run it more than once since that would significantly slow down the game for everyone and decrease the variance.

It's recommended to play very deep such as having each player start with 1000 times the initial pot. While the game can still be played at more shallow stack sizes (even 200 ipot works fine) that will result in the game not being as interesting to play.

The NLP8A variant

This variant was tested in real life and it was found that it is better with more players (with 8 probably being ideal) and with deep stacks (such as 2000 times the initial pot).

The game starts with each player having 5 hole-cards:

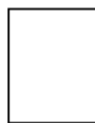
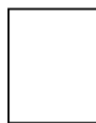
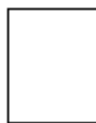


Community cards will be added for later betting rounds (up to a total of 6):

Flop

turn

river



First
betting
round

Second
betting
round

Third
betting
round

Forth
betting
round

Here each player will discard a total of 3 cards to form a best possible 8-card hand. That means that each player will be forced to utilize at least 2 hole-cards and at least 3 community-cards.

This game works for stack sizes of 30 to 100000 times the initial pot for up to 9 players.

Only the last card in the deck will not be used if the number of player is 9.

For 8 players it can be a good idea to discard 1 card after placing 1 community card (so no burn card before the first flop card). For 7 players or less it can be a good idea to burn 1 card before placing 1 community card.

Stack depth and the viability of computer assistance

The deeper the stacks are the harder it will be for computers to solve the game even via crude approximations. NLP8A is approximately 23 million times harder to solve heads up than NL8A at the same stack depth (if no card abstraction approximation is used). NLP8A does however play significantly better at very deep stack depths than NLHE.

Not having any position-dependent blinds (or by making it cheap to call) also makes the game harder for solvers since that tends to result in more player remaining after the first betting round.

Not having any type of minimum raise/raise (besides having to bet in whole units) does make the game-tree significantly bigger even if it's unclear how common those very small bets are in the Nash-equilibrium strategy.

Betting formats

While NLP8 can be played with blinds it can also be played only with antes, this can be fixed or depend on the number of players. The ante can also depend on the position. With no blinds everyone can continue to the next round without any betting making the game more complex.

There is no fee for joining the game if the blinds/ante is the same for each position, instead you will simply start at the worst position on the table (the player to act first) if you join (second player to act next round and so on).

Ante at each stake when the pot scales with the square root of the number of players (might be ideal):

players	2	3	4	5	6	7	8	9	10	11	12	13	14
SVA2	2	2	1	1	1	1	1	1	1	1	1	1	1
SVA4	4	3	3	3	2	2	2	2	2	2	2	2	2
SVA7	7	6	5	4	4	4	3	3	3	3	3	3	3
SVA11	11	9	8	7	6	6	6	5	5	5	4	4	4
SVA14	14	11	10	9	8	7	7	7	6	6	6	5	5
SVA24	24	20	17	15	14	13	12	11	11	10	10	9	9
SVA36	36	29	25	23	21	19	18	17	16	15	15	14	14
SVA58	58	47	41	37	33	31	29	27	26	25	24	23	22
SVA100	100	82	71	63	58	53	50	47	45	43	41	39	38
SVA127	127	104	90	80	73	68	64	60	57	54	52	50	48
SVA168	168	137	119	106	97	90	84	79	75	72	69	66	63
SVA280	280	229	198	177	162	150	140	132	125	119	114	110	106
SVA490	490	400	346	310	283	262	245	231	219	209	200	192	185
SVA699	699	571	494	442	404	374	350	330	313	298	285	274	264
SVA1000	1000	816	707	632	577	535	500	471	447	426	408	392	378
SVA1862	1866	1524	1319	1180	1077	997	933	880	835	796	762	732	705
SVA3249	3249	2653	2297	2055	1876	1737	1625	1532	1453	1385	1326	1274	1228
SVA5244	5244	4282	3708	3317	3028	2803	2622	2472	2345	2236	2141	2057	1982
SVA9898	9898	8082	6999	6260	5715	5291	4949	4666	4427	4221	4041	3882	3741
SVA18109	18109	14786	12805	11453	10455	9680	9055	8537	8099	7722	7393	7103	6845
SVA30184	30184	24645	21343	19090	17427	16134	15092	14229	13499	12871	12323	11839	11408
SVA50260	50260	41037	35539	31787	29018	26865	25130	23693	22477	21431	20519	19714	18996
SVA99941	99941	81601	70699	63208	57701	53421	49971	47113	44695	42615	40801	39200	37774
SVA199990	199990	163291	141414	126485	115464	106899	99995	94276	89438	85276	81646	78443	75589

Dark gray isn't ideal while light gray should be avoided (you want the pot to consistently increase as you add more players).

Ante at each stake when the initial pot depends less on the number of players:

players	2	3	4	5	6	7	8	9	10	11	12	13	14
VA2	2	2	1	1	1	1	1						
VA3	3	2	2	1	1	1	1	1	1	1	1		
VA5	5	4	3	2	2	2	2	1	1	1	1	1	1
VA10	10	8	6	5	4	4	3	3	2	2	2	2	2
VA15	15	12	10	8	7	6	5	5	4	4	3	3	3
VA25	25	19	15	13	11	9	8	7	6	6	5	5	5
VA50	50	38	30	25	22	19	17	15	13	12	10	10	10
VA100	100	75	60	50	43	38	34	30	27	25	23	21	20
VA200	200	150	120	100	86	75	67	60	55	50	46	43	40
VA300	300	225	180	150	129	115	102	91	82	75	69	64	60
VA500	500	375	300	250	215	189	169	152	137	125	115	107	100
VA1000	1000	750	600	500	430	378	338	303	274	250	230	214	200
VA1600	1600	1200	960	800	688	605	540	487	442	404	372	343	320
VA3000	3000	2250	1800	1500	1290	1134	1012	912	828	757	697	645	600
VA5000	5000	3750	3000	2500	2150	1888	1682	1515	1376	1258	1158	1073	1000
VA10K	10000	7500	6000	5000	4300	3775	3363	3028	2750	2515	2316	2146	2000
VA16K	16000	12000	9600	8000	6880	6050	5400	4860	4405	4025	3706	3434	3200
VA30K	30000	22500	18000	15000	12900	11325	10090	9085	8250	7545	6948	6438	6000
VA50K	50000	37500	30000	25000	21500	18880	16820	15150	13760	12580	11580	10730	10000
VA100K	100000	75000	60000	50000	43000	37750	33630	30280	27500	25150	23160	21460	20000
VA160K	160000	120000	96000	80000	68800	60500	54000	48600	44050	40250	37060	34340	32000
VA300K	300000	225000	180000	150000	129000	113250	100900	90850	82500	75450	69480	64380	60000
VA500K	500000	375000	300000	250000	215000	188800	168200	151500	137600	125800	115800	107300	100000

The seat of the highest number will make the first bet, then followed by the seat of the second highest number and so on.

Position-dependent blinds (forced betting for each seat):

	seat 0	seat 1	seat 2	seat 3	seat 4	seat 5	seat 6	seat 7	seat 8	seat 9	seat 10	seat 11	seat 12
NL2	2	1	1	0	0	0	0	0	0	0	0	0	0
NL4	4	2	1	1	0	0	0	0	0	0	0	0	0
NL10	10	5	2	1	1	1	0	0	0	0	0	0	0
NL25	25	12	5	3	1	1	1	1	1	0	0	0	0
NL50	50	25	11	5	3	2	2	1	1	0	0	0	0
NL100	100	50	25	11	5	3	2	2	2	0	0	0	0
NL200	200	100	50	25	13	5	3	2	2	0	0	0	0
NL300	300	150	75	37	18	9	5	3	3	0	0	0	0
NL500	500	250	125	63	31	15	7	5	4	0	0	0	0
NL1000	1000	500	250	125	62	31	15	9	8	0	0	0	0
NL2000	2000	1000	500	250	125	60	30	20	15	0	0	0	0
NL3000	3000	1500	750	375	185	90	45	30	25	0	0	0	0
NL5000	5000	2500	1250	630	310	150	70	50	40	0	0	0	0
NL10K	10000	5000	2500	1250	620	310	150	90	80	0	0	0	0
NL20K	20000	10000	5000	2500	1250	600	300	200	150	0	0	0	0
NL30K	30000	15000	7500	3750	1850	900	450	300	250	0	0	0	0
NL50K	50000	25000	12500	6300	3100	1500	700	500	400	0	0	0	0
NL100K	100000	50000	25000	12500	6200	3100	1500	900	800	0	0	0	0

Players who join start playing at seat 0.

Fixed pot, variable ANTE:

players	2	3	4	5	6	7	8	9	10	11	12	13	14
FiP 6	3	2											
FiP 12	6	4	3										
FiP 24	12	8	6										
FiP 60	30	20	15	12	10								
FiP 120	60	40	30	24	20								
FiP 240	120	80	60	48	40								
FiP 420	210	140	105	84	70	60							
FiP 840	420	280	210	168	140	120	105						
FiP 1680	840	560	420	336	280	240	210						
FiP 2520	1260	840	530	504	420	360	315	280	252				
FiP 5040	2520	1680	1260	1008	840	720	630	560	504				
FiP 10080	5040	3360	2620	2016	1680	1440	1260	1120	1008				
FiP 20160	10080	6720	5040	4032	3360	2880	2520	2240	2016				
FiP 27720	13860	9240	6930	5544	4620	3960	3465	3080	2772	2520	2310		
FiP 55440	27720	18480	13860	11088	9280	7920	6930	6160	5544	4040	4620		
FiP 100800	50400	33600	26200	20160	16800	14400	12600	11200	10080				
FiP 194040	97020	64680	48510	38808	32340	27720	24255	21560	19404	17640	16170		
FiP 360360	180180	120120	90090	72072	60060	51480	45045	40040	36036	32760	30030	27720	25740

The numbers refers to betting units (you are only allowed to bet an integer amount).

The best format might be up to NLP8A with up to 8 players and then any multiple of 840 will be fine. Any multiple of 2520 is fine for up to 10 players (9 players is the absolute max for most variants).

Notation

8-straight = straight of 8 kinds, 8 cards in total.
 7-straight = straight of 7 kinds, 8 cards in total.
 6-straight = straight of 6 kinds, 8 cards in total.
 5-straight = straight of 5 kinds, 8 cards in total.
 4-straight = straight of 4 kinds, 8 cards in total.
 3-straight = straight of 3 kinds, 8 cards in total.

8-flush = 8 of the same color
 7-flush = 7 of the same color
 6-flush = 6 of the same color

8-SF = 8 of the same color & straight
 7-SF = 7 of the same color & straight
 6-SF = 6 of the same color & straight
 5-SF = 5 of the same color & straight

Tournaments

It's recommend to have people be seated at random and have the same ante/blind for each seat. The total initial pot should increase with the number of players on the table (such as a multiples of SVA24 for 8-max).

For up to 9 players (optimized for 8-max):

Players	2	3	4	5	6	7	8	9
Level 0	1 000	816	707	632	577	535	500	471
Level 1	1 150	939	813	727	664	615	575	542
Level 2	1 320	1 078	934	835	762	706	660	622
Level 3	1 520	1 241	1 075	961	877	812	760	712
Level 4	1 750	1 429	1 237	1 107	1 010	935	875	825
Level 5	2 000	1 633	1 414	1 265	1 155	1 069	1 000	943
Level 6	2 300	1 878	1 626	1 454	1 328	1 230	1 150	1 084
Level 7	2 640	2 156	1 867	1 670	1 524	1 411	1 320	1 245
Level 8	3 040	2 482	2 150	1 923	1 755	1 625	1 520	1 433
Level 9	3 500	2 858	2 474	2 214	2 020	1 870	1 750	1 650
Level 10	4 000	3 266	2 828	2 530	2 310	2 138	2 000	1 886
Level 11	4 600	3 756	3 252	2 908	2 656	2 460	2 300	2 168
Level 12	5 300	4 327	3 748	3 352	3 060	2 833	2 650	2 498
Level 13	6 150	5 021	4 349	3 890	3 551	3 287	3 075	2 899
Level 14	7 200	5 879	5 091	4 554	4 157	3 849	3 600	3 394
Level 15	8 450	6 900	5 975	5 344	4 879	4 517	4 225	3 984
Level 16	10 000	8 160	7 070	6 320	5 770	5 350	5 000	4 710
Level 17	11 500	9 390	8 130	7 270	6 640	6 150	5 750	5 420
Level 18	13 200	10 780	9 340	8 350	7 620	7 060	6 600	6 220
Level 19	15 200	12 410	10 750	9 610	8 770	8 120	7 600	7 120
Level 20	17 500	14 290	12 370	11 070	10 100	9 350	8 750	8 250
Level 21	20 000	16 330	14 140	12 650	11 550	10 690	10 000	9 430
Level 22	23 000	18 780	16 260	14 540	13 280	12 300	11 500	10 840
Level 23	26 400	21 560	18 670	16 700	15 240	14 110	13 200	12 450
Level 24	30 400	24 820	21 500	19 230	17 550	16 250	15 200	14 330
Level 25	35 000	28 580	24 740	22 140	20 200	18 700	17 500	16 500
Level 26	40 000	32 660	28 280	25 300	23 100	21 380	20 000	18 860
Level 27	46 000	37 560	32 520	29 080	26 560	24 600	23 000	21 680
Level 28	53 000	43 270	37 480	33 520	30 600	28 330	26 500	24 980
Level 29	61 500	50 210	43 490	38 900	35 510	32 870	30 750	28 990
Level 30	72 000	58 790	50 910	45 540	41 570	38 490	36 000	33 940
Level 31	84 500	69 000	59 750	53 440	48 790	45 170	42 250	39 840
Level 32	100 000	81 600	70 700	63 200	57 700	53 500	50 000	47 100

And so on until a single player has all the chips (or it's ended before that for whatever reason).

Time-bank system

The time left on the clock does not carry over to future betting rounds or hands but it does carry over for the same betting round for each hand with time added each time you act with more time added if you make a big raise/call and where merely making a small raise/bet isn't going to add much time. Is the amount of time added for a raise is capped by the amount of chips added to the pot people will not be able to stall together by making many very small raises due to running out of time.

$$[\text{Max time added with raising}] = \text{constant} * ([\text{size of call}] + 3 * [\text{size of raise}]) / ([\text{size of pot excluding the call}] + 1)^{(1/4)}$$

There will also be a general time-bank players will be able to tap into if their ordinary time runs out.

A worse option is to have a minimum bet based on the number of previous raises for that betting round such as the following system (starting at 0 previous raises):

1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 17, 21, 26, 32, 39, 47, 56, 66, 77, 89, 103, 120, 141, 167, 199, 238, 285, 341, 407, 484, 573, 676, 796, 937, 1104, 1303, 1541, 1826, 2167, 2574, 3058, 3631, 4307, 5103, 6040, 7144, 8447, 9988, 11814, 13981, 16555, 19613, 23244, 27551, 32654, 38694, 45838, 54285, 64273, 76087, 90068, 106623, 126236, 149480, 177031, 209685, 248379, 294217, 348502, 412775, 488862, 578930, 685553, 811789, 961269, 1138300, 1347985, 2239083, 2651858, 3140720, 3719650, 4405203, 5216992, 6178261, 7316561, 8664546, 10260910, 12151491

An even worse option is to have a general min raise of up to 10% of the size of the pot.