```
from pydfs lineup optimizer import get optimizer, Site, Sport, PlayerFilter, RandomFantas
In [489...
         optimizer = get optimizer(Site.DRAFTKINGS, Sport.BASKETBALL)
In [490...
In [491...
         optimizer
         <pydfs lineup optimizer.lineup optimizer.LineupOptimizer at 0x15b75c28400>
Out[491]:
         optimizer.load players from csv(r"C:\Users\djbro\OneDrive\Desktop\DFS\NBA\DraftKings\Lin
In [492...
         #Pool of questionable players, limit their exposure.
In [493...
         pool = optimizer.player pool
         player = optimizer.player pool.get player by name('Luke Kennard', 'Max Strus', 'Luke Kenna
         player.max exposure = 0.1 # set max exposure
         player.min exposure = 0.0 # set min exposure
         player1 = optimizer.player_pool.get_player_by_name( 'Max Strus', 'Caleb Martin','Jabari
         player1.max exposure = 0.1 # set max exposure
         player1.min exposure = 0.0
         player2 = optimizer.player pool.get player by name('Ivica Zubac','Tyler Herro','Bam Adeb
         player2.max exposure = 0.1 # set max exposure
         player2.min exposure = 0.0
         player3 = optimizer.player pool.get player by name('Jimmy Butler')
         player3.max exposure = 0.1 # set max exposure
         player3.min exposure = 0.0
         optimizer.set fantasy points strategy(RandomFantasyPointsStrategy())
In [495...
         #AfterEacgExposureStrategy Adjusts exposure after every lineup generated. A player with
In [496...
          #and so on
         lineups = optimizer.optimize(n=20, max exposure=0.4, exposure strategy=AfterEachExposureS
         lineups
In [497...
          <generator object LineupOptimizer.optimize at 0x0000015B75BB3270>
Out[497]:
 In [ ]:
         for lineup in lineups:
In [498...
             print(lineup)
          1. PG
                     Ja Morant
                                                    PG
                                                          MEM
                                                                          MIL@MEM 53.943(59.464) 1
         0400.0$
          2. SG
                     Nickeil Alexander-Walker
                                                    PG/SG UTA
                                                                          NOP@UTA 32.297(31.758) 4
         900.0$
          3. SF
                     Herbert Jones
                                                    PF/SF NOP
                                                                          NOP@UTA 22.661(24.457) 4
         500.0$
          4. PF
                     Jarred Vanderbilt
                                                                          NOP@UTA 40.12(37.528) 5
                                                    C/PF UTA
         700.0$
          5. C
                                                    С
                     Alperen Sengun
                                                          HOU
                                                                          MIA@HOU 33.505(36.893) 6
         100.0$
          6. G
                     Chris Paul
                                                                          PHX@LAC 39.08(39.446) 8
                                                    PG
                                                           PHX
         200.0$
          7. F
                     Larry Nance Jr.
                                                    C/PF
                                                          NOP
                                                                          NOP@UTA 31.64(34.15)
                                                                                                  4
         700.0$
                                                                          PHX@LAC 36.278(40.062) 5
          8. UTIL
                     Torrey Craig
                                                    C/PF PHX
```

Fantasy Points 289.52(303.76) Salary 50000.00

00.00					
Jalen Green	PG/SG	HOU	MIA@HOU	37.727 (38.524)	6
Dyson Daniels	SF/SG	NOP	NOP@UTA	21.938 (24.129)	3
Lauri Markkanen	PF/SF	UTA	NOP@UTA	39.062 (40.706)	8
Jaren Jackson Jr.	C/PF	MEM	MIL@MEM	39.395 (40.106)	7
Walker Kessler	С	UTA	NOP@UTA	27.992(28.933)	4
Luke Kennard	SG	LAC	PHX@LAC	25.067(22.08)	3
Jimmy Butler	PF	MIA	MIA@HOU	43.684 (44.793)	8
Mikal Bridges	SF	PHX	PHX@LAC	34.843 (38.183)	6
ints 269.71(277.45)					
Tyler Herro	PG/SG	MIA	MIA@HOU	36.76(37.55)	8
Dillon Brooks	SG	MEM	MIL@MEM	27.405(30.51)	6
Naji Marshall	PF/SF	NOP	NOP@UTA	23.385 (24.777)	3
Bobby Portis	C/PF	MIL	MIL@MEM	32.465 (30.824)	6
Brandon Clarke	C/PF	MEM	MIL@MEM	26.36(27.124)	5
Malik Beasley	SF/SG	UTA	NOP@UTA	29.067 (31.646)	5
Zion Williamson	PF	NOP	NOP@UTA	47.167 (43.229)	9
Nicolas Batum	C/PF	LAC	PHX@LAC	25.087 (27.468)	4
ints 247.70(253.13)					
Ja Morant	PG	MEM	MIL@MEM	53.943 (48.149)	1
Jalen Green	PG/SG	HOU	MIA@HOU	37.727 (38.787)	6
Mikal Bridges	SF	PHX	PHX@LAC	34.843 (36.162)	6
Jabari Smith Jr.	C/PF	HOU	MIA@HOU	29.188 (32.032)	5
Jarred Vanderbilt	C/PF	UTA	NOP@UTA	40.12(41.124)	5
Nickeil Alexander-Walker	PG/SG	UTA	NOP@UTA	32.297 (30.055)	4
Larry Nance Jr.	C/PF	NOP	NOP@UTA	31.64(34.378)	4
	C/PF	PHX	DIIVATAC	36.278 (37.877)	5
	Jalen Green Dyson Daniels Lauri Markkanen Jaren Jackson Jr. Walker Kessler Luke Kennard Jimmy Butler Mikal Bridges ints 269.71(277.45) 00.00 Tyler Herro Dillon Brooks Naji Marshall Bobby Portis Brandon Clarke Malik Beasley Zion Williamson Nicolas Batum ints 247.70(253.13) 00.00 Ja Morant Jalen Green Mikal Bridges Jabari Smith Jr. Jarred Vanderbilt Nickeil Alexander-Walker	Jalen Green PG/SG Dyson Daniels SF/SG Lauri Markkanen PF/SF Jaren Jackson Jr. C/PF Walker Kessler C Luke Kennard SG Jimmy Butler PF Mikal Bridges SF ints 269.71(277.45) 00.00 Tyler Herro PG/SG Naji Marshall PF/SF Brandon Clarke C/PF Malik Beasley SF/SG Zion Williamson PF Nicolas Batum C/PF ints 247.70(253.13) 00.00 Ja Morant PG Jalen Green PG/SG Mikal Bridges SF Jabari Smith Jr. C/PF Nickeil Alexander-Walker PG/SG	Jalen Green PG/SG HOU Dyson Daniels SF/SG NOP Lauri Markkanen PF/SF UTA Jaren Jackson Jr. C/PF MEM Walker Kessler C UTA Luke Kennard SG LAC Jimmy Butler PF MIA Mikal Bridges SF PHX ints 269.71(277.45) 00.00 Tyler Herro PG/SG MIA Dillon Brooks SG MEM Naji Marshall PF/SF NOP Bobby Portis C/PF MIL Brandon Clarke C/PF MEM Malik Beasley SF/SG UTA Zion Williamson PF NOP Nicolas Batum C/PF LAC ints 247.70(253.13) 00.00 Ja Morant PG MEM Jalen Green PG/SG HOU Mikal Bridges SF PHX Jabari Smith Jr. C/PF HOU Jarred Vanderbilt C/PF UTA Nickeil Alexander-Walker PG/SG UTA	Jalen Green PG/SG HOU MIA8HOU Dyson Daniels SF/SG NOP NOP8UTA Lauri Markkanen PF/SF UTA NOP8UTA Jaren Jackson Jr. C/PF MEM MIL8MEM Walker Kessler C UTA NOP8UTA Luke Kennard SG LAC PHX8LAC Jimmy Butler PF MIA MIA8HOU Mikal Bridges SF PHX PHX8LAC ints 269.71(277.45) 00.00 Tyler Herro PG/SG MIA MIA8HOU Dillon Brooks SG MEM MIL8MEM Naji Marshall PF/SF NOP NOP8UTA Bobby Portis C/PF MIL MIL8MEM Malik Beasley SF/SG UTA NOP8UTA Zion Williamson PF NOP NOP8UTA Nicolas Batum C/PF LAC PHX8LAC ints 247.70(253.13) 00.00 Ja Morant PG MEM MIL8MEM Jalen Green PG/SG HOU MIA8HOU Mikal Bridges SF PHX PHX8LAC Jabari Smith Jr. C/PF HOU MIA8HOU Jarred Vanderbilt C/PF UTA NOP8UTA	Jalen Green PG/SG HOU MIA@HOU 37.727(38.524) Dyson Daniels SF/SG NOP NOP@UTA 21.935(24.129) Lauri Markkanen PF/SF UTA NOP@UTA 39.062(40.706) Jaren Jackson Jr. C/PF MEM MIL@MEM 39.395(40.106) Walker Kessler C UTA NOP@UTA 27.992(28.933) Luke Kennard SG LAC PHX@LAC 25.067(22.08) Jimmy Butler PF MIA MIA@HOU 43.684(44.793) Mikal Bridges SF PHX PHX@LAC 34.843(38.183) Mints 269.71(277.45) 00.00 Tyler Herro PG/SG MIA MIA@HOU 36.76(37.55) Dillon Brooks SG MEM MIL@MEM 27.405(30.51) Naji Marshall PF/SF NOP NOP@UTA 23.385(24.777) Bobby Portis C/PF MIL MIL@MEM 32.465(30.824) Brandon Clarke C/PF MEM MIL@MEM 26.36(27.124) Malik Beasley SF/SG UTA NOP@UTA 47.167(43.229) Nicolas Batum

1. PG Tyler Herro

Salary 49800.00

PG/SG MIA MIA@HOU 36.76(36.476) 8

000.0\$ 2. SG	Dyson Daniels	SF/SG	NOP	NOP@UTA	21.938(22.405)	3	
700.0\$ 3. SF	Naji Marshall	PF/SF	NOP	NOP@UTA	23.385(25.306)	3	
600.0\$ 4. PF	Bobby Portis	C/PF	MIL	MIL@MEM	32.465(31.268)	6	
200.0\$ 5. C	Brandon Clarke	C/PF	MEM	MIL@MEM	26.36(28.849)	5	
000.0\$ 6. G	Malik Beasley	SF/SG	UTA	NOP@UTA	29.067(31.123)	5	
900.0\$ 7. F 600.0\$	Jaren Jackson Jr.	C/PF	MEM	MIL@MEM	39.395 (37.198)	7	
8. UTIL 800.0\$	Zion Williamson	PF	NOP	NOP@UTA	47.167(42.984)	9	
	ints 256.54(255.61)						
1. PG 000.0\$	Kevin Porter Jr.	PG	HOU	MIA@HOU	28.801(31.987)	7	
2. SG 600.0\$	Grayson Allen	SF/SG	MIL	MIL@MEM	22.622(21.971)	4	
3. SF 100.0\$	Lauri Markkanen	PF/SF	UTA	NOP@UTA	39.062 (41.373)	8	
4. PF 500.0\$	Jabari Smith Jr.	C/PF	HOU	MIA@HOU	29.188(31.803)	5	
5. C 100.0\$	Alperen Sengun	С	HOU	MIA@HOU	33.505(35.732)	6	
6. G 200.0\$	Chris Paul	PG	PHX	PHX@LAC	39.08 (35.596)	8	
7. F 400.0\$	Nicolas Batum	C/PF	LAC	PHX@LAC	25.087(27.494)	4	
8. UTIL 900.0\$	Walker Kessler	С	UTA	NOP@UTA	27.992 (30.595)	4	
Fantasy Points 245.34(256.55) Salary 48800.00							
1. PG	Ja Morant	PG	MEM	MIL@MEM	53.943(48.345)	1	
0400.0\$ 2. SG 600.0\$	Jalen Green	PG/SG	HOU	MIA@HOU	37.727(37.512)	6	
3. SF 500.0\$	Herbert Jones	PF/SF	NOP	NOP@UTA	22.661(24.416)	4	
4. PF 600.0\$	Jaren Jackson Jr.	C/PF	MEM	MIL@MEM	39.395(41.04)	7	
5. C 700.0\$	Jarred Vanderbilt	C/PF	UTA	NOP@UTA	40.12(40.044)	5	
6. G 900.0\$	Nickeil Alexander-Walker	PG/SG	UTA	NOP@UTA	32.297 (34.369)	4	
7. F 700.0\$	Larry Nance Jr.	C/PF	NOP	NOP@UTA	31.64(30.699)	4	
8. UTIL 500.0\$	Torrey Craig	C/PF	PHX	PHX@LAC	36.278 (40.088)	5	
Fantasy Points 294.06(296.51) Salary 49900.00							
1. PG 000.0\$	Tyler Herro	PG/SG	MIA	MIA@HOU	36.76(36.862)	8	
2. SG 700.0\$	Dyson Daniels	SF/SG	NOP	NOP@UTA	21.938(21.042)	3	
3. SF 500.0\$	Herbert Jones	PF/SF	NOP	NOP@UTA	22.661(25.223)	4	
4. PF	Lauri Markkanen	PF/SF	UTA	NOP@UTA	39.062(40.462)	8	

100.0\$								
5. C 100.0\$	Alperen Sengun	С	HOU	MIA@HOU	33.505(34.264)	6		
6. G 200.0\$	Chris Paul	PG	PHX	PHX@LAC	39.08(37.057)	8		
7. F	Mikal Bridges	SF	PHX	PHX@LAC	34.843 (35.279)	6		
500.0\$ 8. UTIL	Walker Kessler	С	UTA	NOP@UTA	27.992 (26.585)	4		
900.0\$								
Fantasy Poi Salary 5000	nts 255.84(256.77) 0.00							
1. PG 600.0\$	Jalen Green	PG/SG	HOU	MIA@HOU	37.727 (35.446)	6		
2. SG 700.0\$	Dyson Daniels	SF/SG	NOP	NOP@UTA	21.938(24.567)	3		
3. SF	Lauri Markkanen	PF/SF	UTA	NOP@UTA	39.062(43.212)	8		
100.0\$ 4. PF	Jarred Vanderbilt	C/PF	UTA	NOP@UTA	40.12(44.168)	5		
700.0\$ 5. C	Alperen Sengun	С	HOU	MIA@HOU	33.505(34.99)	6		
100.0\$ 6. G	Nickeil Alexander-Walker	PG/SG	UTA	NOP@UTA	32.297 (32.645)	4		
900.0\$ 7. F	Larry Nance Jr.	C/PF	NOP	NOP@UTA	31.64(29.312)	4		
700.0\$ 8. UTIL	Zion Williamson	PF	NOP	NOP@UTA	47.167(47.825)	9		
800.0\$								
Fantasy Poi Salary 4960	nts 283.46(292.17)							
1. PG	Ja Morant	PG	MEM	MIL@MEM	53.943(50.794)	1		
0400.0\$ 2. SG	Tyler Herro	PG/SG	MIA	MIA@HOU	36.76(38.452)	8		
000.0\$ 3. SF	Naji Marshall	PF/SF	NOP	NOP@UTA	23.385 (24.769)	3		
600.0\$ 4. PF	Brandon Clarke	C/PF	MEM	MIL@MEM	26.36(28.839)	5		
000.0\$ 5. C	Walker Kessler	С	UTA	NOP@UTA	27.992(29.124)	4		
900.0\$ 6. G	Chris Paul	PG	PHX	PHX@LAC	39.08(40.351)	8		
200.0\$ 7. F	Nicolas Batum	C/PF	LAC	PHX@LAC	25.087(27.468)	4		
400.0\$ 8. UTIL	Torrey Craig	C/PF	PHX		36.278 (36.558)			
500.0\$	Torrey Crarg	C/FF	FIIA	FIINGLIAC	30.270 (30.330)	J		
Fantasy Points 268.88(276.35) Salary 50000.00								
1. PG	Tyus Jones	PG	MEM	MIL@MEM	25.89(27.863)	6		
300.0\$ 2. SG	Malik Beasley	SF/SG	UTA	NOP@UTA	29.067(29.127)	5		
900.0\$ 3. SF	Naji Marshall	PF/SF	NOP	NOP@UTA	23.385(20.648)	3		
600.0\$ 4. PF	Bobby Portis	C/PF	MIL	MIL@MEM	32.465(35.05)	6		
200.0\$ 5. C	Jaren Jackson Jr.	C/PF	MEM		39.395 (34.779)			
600.0\$ 6. G	Landry Shamet	SF/SG			20.21(21.565)			
000.0\$	-							
7. F	Zion Williamson	PF	NOP	NOP@UTA	47.167 (45.683)	9		

800.0\$						
8. UTIL 500.0\$	Mikal Bridges	SF	PHX	PHX@LAC	34.843 (38.855)	6
Fantasy Poir Salary 49900	nts 252.42(253.57) 0.00					
1. PG	Ja Morant	PG	MEM	MIL@MEM	53.943(56.793)	1
0400.0\$ 2. SG	Jalen Green	PG/SG	HOU	MIA@HOU	37.727(36.12)	6
600.0\$ 3. SF	Naji Marshall	PF/SF	NOP	NOP@UTA	23.385(25.419)	3
600.0\$ 4. PF	Jarred Vanderbilt	C/PF	UTA	NOP@UTA	40.12(42.97)	5
700.0\$ 5. C	Larry Nance Jr.	C/PF	NOP	NOP@UTA	31.64(30.858)	4
700.0\$ 6. G	Dyson Daniels	SF/SG	NOP	NOP@UTA	21.938(24.505)	3
700.0\$ 7. F	Zion Williamson	PF	NOP	NOP@UTA	47.167(50.569)	9
800.0\$ 8. UTIL	Torrey Craig	C/PF	PHX	PHX@LAC	36.278 (34.423)	5
500.0\$						
Salary 50000	nts 292.20(301.66) 0.00					
1. PG 000.0\$	Tyler Herro	PG/SG	MIA	MIA@HOU	36.76(36.098)	8
2. SG 900.0\$	Nickeil Alexander-Walker	PG/SG	UTA	NOP@UTA	32.297 (32.259)	4
3. SF	Mikal Bridges	SF	PHX	PHX@LAC	34.843 (38.609)	6
500.0\$ 4. PF	Jaren Jackson Jr.	C/PF	MEM	MIL@MEM	39.395 (37.29)	7
600.0\$ 5. C 100.0\$	Alperen Sengun	С	HOU	MIA@HOU	33.505(36.101)	6
6. G	Luke Kennard	SG	LAC	PHX@LAC	25.067 (23.456)	3
800.0\$ 7. F	Jimmy Butler	PF	MIA	MIA@HOU	43.684 (48.852)	8
700.0\$ 8. UTIL 400.0\$	Nicolas Batum	C/PF	LAC	PHX@LAC	25.087(27.515)	4
	nts 270.64(280.18)					
Salary 50000						
1. PG 600.0\$	Jalen Green	PG/SG	HOU	MIA@HOU	37.727(42.207)	6
2. SG 900.0\$	Nickeil Alexander-Walker	PG/SG	UTA	NOP@UTA	32.297 (33.398)	4
3. SF 600.0\$	Naji Marshall	PF/SF	NOP	NOP@UTA	23.385(24.684)	3
4. PF 500.0\$	Jabari Smith Jr.	C/PF	HOU	MIA@HOU	29.188(32.285)	5
5. C 700.0\$	Jarred Vanderbilt	C/PF	UTA	NOP@UTA	40.12(41.049)	5
6. G	Chris Paul	PG	PHX	PHX@LAC	39.08(43.494)	8
200.0\$ 7. F 800.0\$	Zion Williamson	PF	NOP	NOP@UTA	47.167(49.82)	9
8. UTIL 500.0\$	Torrey Craig	C/PF	PHX	PHX@LAC	36.278 (40.629)	5
J J J J J J J J J J J J J J J J J J J						

Fantasy Points 285.24(307.57) Salary 49800.00

1. PG	Ja Morant	PG	MEM	MIL@MEM	53.943(51.58)	1
0400.0\$ 2. SG	Dyson Daniels	SF/SG	NOP	NOP@UTA	21.938(24.152)	3
700.0\$ 3. SF	Mikal Bridges	SF	PHX	PHX@LAC	34.843(31.25)	6
500.0\$ 4. PF	Jabari Smith Jr.	C/PF	HOU	MIA@HOU	29.188(32.387)	5
500.0\$ 5. C	Alperen Sengun	C	HOU	MIA@HOU	33.505 (37.429)	
100.0\$						
6. G 200.0\$	Chris Paul	PG	PHX	PHX@LAC	39.08(40.433)	8
7. F 700.0\$	Larry Nance Jr.	C/PF	NOP	NOP@UTA	31.64(31.64)	4
8. UTIL 900.0\$	Walker Kessler	С	UTA	NOP@UTA	27.992(29.042)	4
Fantasy Pos Salary 5000	ints 272.13(277.91)					
1. PG 000.0\$	Kevin Porter Jr.	PG	HOU	MIA@HOU	28.801(30.926)	7
2. SG 600.0\$	Grayson Allen	SF/SG	MIL	MIL@MEM	22.622(24.119)	4
3. SF 100.0\$	Lauri Markkanen	PF/SF	UTA	NOP@UTA	39.062(42.065)	8
4. PF	Brandon Clarke	C/PF	MEM	MIL@MEM	26.36(29.214)	5
000.0\$ 5. C	Jaren Jackson Jr.	C/PF	MEM	MIL@MEM	39.395(41.167)	7
600.0\$ 6. G	Tyler Herro	PG/SG	MIA	MIA@HOU	36.76(35.667)	8
000.0\$ 7. F	Nicolas Batum	C/PF	LAC	PHX@LAC	25.087 (25.677)	4
400.0\$ 8. UTIL	Walker Kessler	С	UTA	NOP@UTA	27.992(26.132)	4
900.0\$						
Fantasy Pos Salary 4960	ints 246.08(254.97) 00.00					
1. PG 0400.0\$	Ja Morant	PG	MEM	MIL@MEM	53.943 (55.971)	1
2. SG 600.0\$	Jalen Green	PG/SG	HOU	MIA@HOU	37.727 (35.959)	6
3. SF	Mikal Bridges	SF	PHX	PHX@LAC	34.843 (38.662)	6
500.0\$ 4. PF	Jabari Smith Jr.	C/PF	HOU	MIA@HOU	29.188(32.117)	5
500.0\$ 5. C	Jarred Vanderbilt	C/PF	UTA	NOP@UTA	40.12(43.915)	5
700.0\$ 6. G	Nickeil Alexander-Walker	PG/SG	UTA	NOP@UTA	32.297(29.995)	4
900.0\$ 7. F	Torrey Craig	C/PF	PHX	PHX@LAC	36.278 (36.382)	5
500.0\$ 8. UTIL	Walker Kessler	C	UTA	NOPQUTA	27.992(30.847)	4
900.0\$						
Fantasy Points 292.39(303.85) Salary 50000.00						
1. PG 000.0\$	Tyler Herro	PG/SG	MIA	MIA@HOU	36.76(40.245)	8
2. SG	Grayson Allen	SF/SG	MIL	MIL@MEM	22.622(23.609)	4
600.0\$	Naii Maraball	DE/CE	NOD	MODGIIMA	22 205 (22 06)	2

PF/SF NOP NOP@UTA 23.385(22.86) 3

3. SF Naji Marshall

600.0\$						
4. PF	Bobby Portis	C/PF	MIL	MIL@MEM	32.465(35.899)	6
200.0\$		-,		·	,	
5. C	Alperen Sengun	С	HOU	MIA@HOU	33.505(36.124)	6
100.0\$						
6. G	Dyson Daniels	SF/SG	NOP	NOP@UTA	21.938(22.403)	3
700.0\$,		_		_
7. F	Jaren Jackson Jr.	C/PF	MEM	MIL@MEM	39.395 (41.034)	1
600.0\$ 8. UTIL	Zion Williamson	PF	NOP	MODUILLY	47.167(45.205)	a
800.0\$	ZIOII WIIIIAMSOII	LL	NOI	NOIGOIA	47.107(45.205))
,						
-	nts 257.24(267.38)					
Salary 4960	0.00					
1. PG	Ja Morant	PG	MEM	MITAMEM	53.943(53.927)	1
0400.0\$	oa morant	rG	MIDM	MITTOGMEN	33.943 (33.927)	_
2. SG	Jalen Green	PG/SG	HOU	MIA@HOU	37.727(39.401)	6
600.0\$						
3. SF	Naji Marshall	PF/SF	NOP	NOP@UTA	23.385(25.048)	3
600.0\$		c /			00 005 (40 50)	_
4. PF 600.0\$	Jaren Jackson Jr.	C/PF	MEM	MTT@WEW	39.395 (40.78)	7
5. C	Jarred Vanderbilt	C/PF	UTA	NOPQUTA	40.12(43.148)	5
700.0\$		0, 11	0 111	1.01 (0 111	10.12 (10.110)	
6. G	Nickeil Alexander-Walker	PG/SG	UTA	NOP@UTA	32.297 (34.259)	4
900.0\$						
7. F	Larry Nance Jr.	C/PF	NOP	NOP@UTA	31.64(30.154)	4
700.0\$ 8. UTIL	Torrey Craig	C/PF	PHX	DUVATAC	36.278(39.91)	5
500.0\$	Torrey Crarg	C/FF	FIIA	FINGLAC	30.270 (39.91)	J
_	nts 294.79(306.63)					
Salary 4900	0.00					
1. PG	Tyler Herro	PG/SG	MΤΛ	MIVUHOII	36.76(40.024)	8
000.0\$	Tyler Hello	19/59	MIA	MIAGHOO	30.70(40.024)	0
2. SG	Dyson Daniels	SF/SG	NOP	NOP@UTA	21.938(21.531)	3
700.0\$						
3. SF	Lauri Markkanen	PF/SF	UTA	NOP@UTA	39.062 (42.266)	8
100.0\$	T. 1. 0. 1.1. T	G / D =	***		00 100 (00 40)	_
4. PF 500.0\$	Jabari Smith Jr.	C/PF	HOU	MIA@HOU	29.188 (32.48)	5
5. C	Alperen Sengun	С	HOU	MIA@HOU	33.505(37.11)	6
100.0\$						
6. G	Landry Shamet	SF/SG	PHX	PHX@LAC	20.21(21.303)	4
000.0\$						
7. F	Larry Nance Jr.	C/PF	NOP	NOP@UTA	31.64 (35.213)	4
700.0\$ 8. UTIL	Zion Williamson	PF	NOP	NODGIITA	47.167(50.604)	a
800.0\$	TIOU MITITAMBOH	ГГ	NOE	MOLGOIN	7/.10/(30.004)	IJ
000.07						
Fantasy Poi	nts 259.47(280.53)					

Fantasy Points 259.47(280.53) Salary 49900.00

In [499...

In [500... import pandas as pd

optimizer.export(r"C:\Users\djbro\OneDrive\Desktop\DFS\NBA\DraftKings Lineups\Example.cs

In [501... df = pd.read_csv(r"C:\Users\djbro\OneDrive\Desktop\DFS\NBA\DraftKings_Lineups\Example.cs

In [502... #df = df.sort_values(by='FPPG',ascending=False).reset_index(drop='index').head(20)
#df

```
df.to csv(r"C:\Users\djbro\OneDrive\Desktop\DFS\NBA\DraftKings\DraftKingsBulkEnter\20221
In [503...
           positions = list(df.columns)[:-2]
In [504...
           positions
In [505...
           ['PG', 'SG', 'SF', 'PF', 'C', 'G', 'F',
Out[505]:
           fxn = lambda x: x[col].split("(")[1].split(")")[0]
In [506...
           for col in positions:
In [507...
                df[col]=df.apply(fxn,axis=1)
In [508..
           df.head(40)
Out[508]:
                    PG
                              SG
                                        SF
                                                  PF
                                                            C
                                                                      G
                                                                                      UTIL
                                                                                            Budget
                                                                                                      FPPG
               25912010
                        25912165
                                  25912196
                                            25912108
                                                     25912095
                                                               25912033
                                                                        25912184
                                                                                  25912123
                                                                                            50000.0
                                                                                                    289.523
                                            25912054
                                                     25912169
                                                               25912249
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               25912081
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                                                                                                    269.709
               25912040
                        25912072
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                                                                                            49900.0
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                                                    25912108 25912165 25912184
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                                                                                           49000.0
                                                                                                    294.785
               25912040 25912252 25912036 25912119 25912095 25912233 25912184 25912013 49900.0 259.470
           df.to csv(r"C:\Users\djbro\OneDrive\Desktop\DFS\NBA\DraftKings\DraftKingsToEnter\2022120
In [509...
           #Additional columns in csv¶
In [526...
           #The optimizer can parse those additional columns that can be added to imported csv:
           #Max Exposure
           #Min Exposure
           #Roster Order
```

#Projected Ownership

#Min Deviation
#Max Deviation
#Projection Floor
#Projection Ceil
#Confirmed Starter
#Progressive Scale