A predictive model for runs scored in a baseball game Literature Review - Proof of Concept Model

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load packages

```
# install.packages("ggplot2")
```

set working directory

```
# setwd(dirname(rstudioapi::getActiveDocumentContext()$path))
# getwd()
```

open tor_games dataset

```
tor_games = read.csv("tor_games_20200609.csv") # read csv file
tor_games
```

| ## | | <pre>game_date</pre> | <pre>game_number</pre> | opp_team | opp_runs | tor_runs | <pre>game_park_id</pre> | tor_atbats |
|----|----|----------------------|------------------------|----------|----------|----------|-------------------------|------------|
| ## | 1 | 20190328 | 1 | DET | 2 | 0 | TORO2 | 32 |
| ## | 2 | 20190329 | 2 | DET | 0 | 6 | TORO2 | 31 |
| ## | 3 | 20190330 | 3 | DET | 0 | 3 | TORO2 | 28 |
| ## | 4 | 20190331 | 4 | DET | 4 | 3 | TORO2 | 39 |
| ## | 5 | 20190401 | 5 | BAL | 6 | 5 | TORO2 | 31 |
| ## | 6 | 20190402 | 6 | BAL | 2 | 1 | TORO2 | 31 |
| ## | 7 | 20190403 | 7 | BAL | 3 | 5 | TORO2 | 31 |
| ## | 8 | 20190404 | 8 | CLE | 4 | 1 | CLE08 | 30 |
| ## | 9 | 20190405 | 9 | CLE | 3 | 2 | CLE08 | 30 |
| ## | 10 | 20190406 | 10 | CLE | 7 | 2 | CLE08 | 37 |
| ## | 11 | 20190407 | 11 | CLE | 3 | 1 | CLE08 | 29 |
| ## | 12 | 20190409 | 12 | BOS | 5 | 7 | B0S07 | 35 |
| ## | 13 | 20190411 | 13 | BOS | 7 | 6 | B0S07 | 31 |
| ## | 14 | 20190412 | 14 | TBA | 11 | 7 | TORO2 | 35 |
| ## | 15 | 20190413 | 15 | TBA | 1 | 3 | TORO2 | 28 |
| ## | 16 | 20190414 | 16 | TBA | 8 | 4 | TORO2 | 35 |
| ## | 17 | 20190415 | 17 | MIN | 3 | 5 | MINO4 | 35 |
| ## | 18 | 20190416 | 18 | MIN | 5 | 6 | MINO4 | 34 |
| ## | 19 | 20190417 | 19 | MIN | 4 | 1 | MINO4 | 33 |
| ## | 20 | 20190418 | 20 | MIN | 4 | 7 | MINO4 | 35 |
| ## | 21 | 20190419 | 21 | OAK | 1 | 5 | OAKO1 | 33 |
| ## | 22 | 20190420 | 22 | OAK | 1 | 10 | OAKO1 | 40 |

| ## | 23 | 20190421 | 23 | OAK | 4 | 5 | OAKO1 | 37 |
|----|----|----------|----------|-----|----|----|-------|----|
| ## | 24 | 20190423 | 24 | SFN | 7 | 6 | TORO2 | 36 |
| ## | 25 | 20190424 | 25 | SFN | 4 | 0 | TORO2 | 28 |
| ## | 26 | 20190426 | 26 | OAK | 2 | 4 | TORO2 | 33 |
| ## | 27 | 20190427 | 27 | OAK | 1 | 7 | TORO2 | 34 |
| | 28 | 20190428 | 28 | OAK | 4 | 5 | TORO2 | 45 |
| | 29 | 20190430 | 29 | ANA | 4 | 3 | ANAO1 | 31 |
| | | | | | | | | |
| | 30 | 20190501 | 30 | ANA | 6 | 3 | ANAO1 | 36 |
| | 31 | 20190502 | 31 | ANA | 6 | 2 | ANAO1 | 32 |
| | 32 | 20190503 | 32 | TEX | 0 | 1 | ARLO2 | 43 |
| ## | 33 | 20190504 | 33 | TEX | 8 | 5 | ARLO2 | 32 |
| ## | 34 | 20190505 | 34 | TEX | 10 | 2 | ARL02 | 30 |
| ## | 35 | 20190506 | 35 | MIN | 8 | 0 | TORO2 | 29 |
| ## | 36 | 20190507 | 36 | MIN | 3 | 0 | TORO2 | 33 |
| ## | 37 | 20190508 | 37 | MIN | 9 | 1 | TORO2 | 29 |
| ## | 38 | 20190510 | 38 | CHA | 3 | 4 | TORO2 | 28 |
| | 39 | 20190511 | 39 | CHA | 7 | 2 | TORO2 | 32 |
| | 40 | 20190512 | 40 | CHA | 5 | 1 | TORO2 | 31 |
| | 41 | 20190514 | 41 | SFN | 3 | 7 | SF003 | 36 |
| | 42 | 20190515 | 42 | SFN | 4 | 3 | SF003 | 32 |
| | 43 | 20190516 | 43 | CHA | 4 | 2 | CHI12 | 29 |
| | | | | | | | | |
| | 44 | 20190517 | 44 | CHA | 2 | 10 | CHI12 | 40 |
| | 45 | 20190518 | 45 | CHA | 4 | 1 | CHI12 | 17 |
| | 46 | 20190519 | 46 | CHA | 2 | 5 | CHI12 | 35 |
| ## | 47 | 20190520 | 47 | BOS | 12 | 2 | TORO2 | 31 |
| ## | 48 | 20190521 | 48 | BOS | 3 | 10 | TORO2 | 34 |
| ## | 49 | 20190522 | 49 | BOS | 6 | 5 | TORO2 | 50 |
| ## | 50 | 20190523 | 50 | BOS | 8 | 2 | TORO2 | 32 |
| ## | 51 | 20190524 | 51 | SDN | 6 | 3 | TORO2 | 30 |
| ## | 52 | 20190525 | 52 | SDN | 19 | 4 | TORO2 | 30 |
| ## | 53 | 20190526 | 53 | SDN | 1 | 10 | TORO2 | 40 |
| ## | 54 | 20190527 | 54 | TBA | 8 | 3 | STP01 | 30 |
| | 55 | 20190528 | 55 | TBA | 3 | 1 | STP01 | 32 |
| ## | 56 | 20190529 | 56 | TBA | 4 | 3 | STP01 | 42 |
| | 57 | 20190531 | 57 | COL | 13 | 6 | DENO2 | 34 |
| | 58 | 20190601 | 58 | COL | 4 | 2 | DENO2 | 32 |
| | | | | | | | | |
| | 59 | 20190602 | 59 | COL | 5 | 1 | DENO2 | 33 |
| ## | | 20190604 | 60 | NYA | 3 | 4 | TORO2 | 31 |
| ## | | 20190605 | 61 | NYA | 7 | 11 | TORO2 | 35 |
| | 62 | 20190606 | 62 | NYA | 6 | 2 | TORO2 | 34 |
| ## | 63 | 20190607 | 63 | ARI | 8 | 2 | TORO2 | 31 |
| ## | 64 | 20190608 | 64 | ARI | 6 | 0 | TORO2 | 31 |
| ## | 65 | 20190609 | 65 | ARI | 8 | 2 | TORO2 | 34 |
| ## | 66 | 20190611 | 66 | BAL | 4 | 2 | BAL12 | 31 |
| ## | 67 | 20190612 | 67 | BAL | 6 | 8 | BAL12 | 38 |
| ## | 68 | 20190613 | 68 | BAL | 3 | 12 | BAL12 | 42 |
| ## | 69 | 20190614 | 69 | HOU | 15 | 2 | HOUO3 | 32 |
| | 70 | 20190615 | 70 | HOU | 7 | 2 | HOU03 | 31 |
| | 71 | 20190616 | 71 | HOU | 0 | 12 | HOUO3 | 40 |
| | 72 | 20190617 | 72 | ANA | 10 | 5 | TORO2 | 34 |
| | 73 | 20190618 | 73 | ANA | 3 | 1 | TORO2 | 29 |
| | 74 | 20190619 | 73 74 | ANA | 11 | 6 | TORO2 | 33 |
| | | | | | | | | |
| ## | | 20190620 | 75 76 | ANA | 5 | 7 | TORO2 | 36 |
| ## | 76 | 20190621 | 76 | BOS | 7 | 5 | B0S07 | 40 |

| | | | | | _ | _ | | |
|----|----------|----------|----------|-----|----|----|-------|----|
| | 77 | 20190622 | 77 | BOS | 7 | 8 | BOS07 | 37 |
| ## | 78 | 20190623 | 78 | BOS | 1 | 6 | BOS07 | 36 |
| ## | 79 | 20190624 | 79 | NYA | 10 | 8 | NYC21 | 40 |
| ## | 80 | 20190625 | 80 | NYA | 4 | 3 | NYC21 | 33 |
| ## | 81 | 20190626 | 81 | NYA | 8 | 7 | NYC21 | 36 |
| ## | 82 | 20190628 | 82 | KCA | 2 | 6 | TORO2 | 33 |
| ## | 83 | 20190629 | 83 | KCA | 5 | 7 | TORO2 | 29 |
| ## | 84 | 20190630 | 84 | KCA | 7 | 6 | TORO2 | 34 |
| ## | 85 | 20190701 | 85 | KCA | 4 | 11 | TORO2 | 39 |
| ## | 86 | 20190702 | 86 | BOS | 10 | 6 | TORO2 | 33 |
| ## | 87 | 20190703 | 87 | BOS | 3 | 6 | TORO2 | 32 |
| ## | 88 | 20190704 | 88 | BOS | 8 | 7 | TORO2 | 38 |
| ## | 89 | 20190705 | 89 | BAL | 4 | 1 | TORO2 | 31 |
| ## | 90 | 20190706 | 90 | BAL | 8 | 1 | TORO2 | 30 |
| ## | 91 | 20190707 | 91 | BAL | 1 | 6 | TORO2 | 32 |
| ## | 92 | 20190712 | 92 | NYA | 4 | 0 | NYC21 | 32 |
| ## | 93 | 20190712 | 93 | NYA | 1 | 2 | NYC21 | 35 |
| ## | 93 94 | 20190713 | 93 94 | NYA | 4 | 2 | NYC21 | 35 |
| | | | | | | 8 | | |
| ## | 95 | 20190715 | 95 | BOS | 10 | | B0S07 | 40 |
| ## | 96 | 20190716 | 96 | BOS | 4 | 10 | B0S07 | 38 |
| ## | 97 | 20190717 | 97 | BOS | 5 | 4 | B0S07 | 32 |
| ## | 98 | 20190718 | 98 | BOS | 5 | 0 | BOSO7 | 28 |
| ## | 99 | 20190719 | 99 | DET | 1 | 12 | DET05 | 42 |
| ## | 100 | 20190720 | 100 | DET | 5 | 7 | DET05 | 37 |
| ## | 101 | 20190721 | 101 | DET | 4 | 3 | DET05 | 34 |
| ## | 102 | 20190722 | 102 | CLE | 7 | 3 | TORO2 | 28 |
| ## | 103 | 20190723 | 103 | CLE | 1 | 2 | TORO2 | 35 |
| ## | 104 | 20190724 | 104 | CLE | 4 | 0 | TORO2 | 27 |
| ## | 105 | 20190726 | 105 | TBA | 3 | 1 | TORO2 | 30 |
| ## | 106 | 20190727 | 106 | TBA | 9 | 10 | TORO2 | 49 |
| ## | 107 | 20190728 | 107 | TBA | 10 | 9 | TORO2 | 39 |
| ## | 108 | 20190729 | 108 | KCA | 3 | 7 | KAN06 | 38 |
| ## | 109 | 20190730 | 109 | KCA | 2 | 9 | KAN06 | 38 |
| | 110 | 20190731 | 110 | KCA | 1 | 4 | KAN06 | 35 |
| ## | 111 | 20190801 | 111 | BAL | 2 | 11 | BAL12 | 41 |
| ## | 112 | 20190802 | 112 | BAL | 2 | 5 | BAL12 | 34 |
| | 113 | 20190803 | 113 | BAL | 6 | 4 | BAL12 | 35 |
| | 114 | 20190804 | 114 | BAL | 6 | 5 | BAL12 | 39 |
| | 115 | 20190805 | 115 | TBA | 0 | 2 | STP01 | 35 |
| | 116 | 20190806 | 116 | TBA | 7 | 6 | STP01 | 39 |
| ## | 117 | 20190807 | 117 | TBA | 3 | 4 | STP01 | 34 |
| ## | 118 | 20190808 | 118 | NYA | 12 | 6 | TORO2 | 40 |
| ## | 119 | 20190809 | 119 | NYA | 2 | 8 | TORO2 | 29 |
| ## | 120 | 20190810 | 120 | NYA | 4 | 5 | TORO2 | 29 |
| ## | 121 | 20190811 | 121 | NYA | 1 | 0 | TORO2 | 29 |
| ## | 122 | 20190812 | 122 | TEX | 4 | 19 | TORO2 | 43 |
| ## | 123 | 20190813 | 123 | TEX | 0 | 3 | TORO2 | 30 |
| ## | 124 | 20190814 | 124 | TEX | 7 | 3 | TORO2 | 34 |
| ## | 125 | 20190816 | 125 | SEA | 3 | 7 | TORO2 | 33 |
| ## | 126 | 20190817 | 126 | SEA | 4 | 3 | TORO2 | 34 |
| ## | 127 | 20190818 | 127 | SEA | 7 | 0 | TORO2 | 28 |
| ## | 128 | 20190820 | 128 | LAN | 16 | 3 | LOSO3 | 30 |
| ## | 129 | 20190821 | 129 | LAN | 2 | 1 | LOS03 | 36 |
| ## | 130 | 20190822 | 130 | LAN | 3 | 2 | LOS03 | 31 |
| | | | | | | | | |

| | 131 | 20190823 | 131 | SEA | 7 | 4 | | SEA03 | 38 |
|----|-----|-------------|----------------|---------|------------|---------|-----|-----------|----|
| | 132 | 20190824 | 132 | SEA | 5 | 7 | | SEA03 | 32 |
| | 133 | 20190825 | 133 | SEA | 3 | 1 | | SEA03 | 32 |
| | 134 | 20190827 | 134 | ATL | 1 | 3 | | TORO2 | 30 |
| ## | 135 | 20190828 | 135 | ATL | 9 | 4 | | TORO2 | 37 |
| ## | 136 | 20190830 | 136 | HOU | 7 | 4 | | TORO2 | 33 |
| ## | 137 | 20190831 | 137 | HOU | 4 | 6 | | TORO2 | 33 |
| ## | 138 | 20190901 | 138 | HOU | 2 | 0 | | TORO2 | 27 |
| ## | 139 | 20190902 | 139 | ATL | 6 | 3 | | ATL03 | 31 |
| ## | 140 | 20190903 | 140 | ATL | 7 | 2 | | ATL03 | 30 |
| ## | 141 | 20190905 | 141 | TBA | 6 | 4 | | STP01 | 34 |
| ## | 142 | 20190906 | 142 | TBA | 5 | 0 | | STP01 | 29 |
| ## | 143 | 20190907 | 143 | TBA | 5 | 3 | | STP01 | 32 |
| ## | 144 | 20190908 | 144 | TBA | 8 | 3 | | STP01 | 33 |
| ## | 145 | 20190910 | 145 | BOS | 3 | 4 | | TORO2 | 32 |
| ## | 146 | 20190911 | 146 | BOS | 0 | 8 | | TORO2 | 32 |
| ## | 147 | 20190912 | 147 | BOS | 7 | 4 | | TORO2 | 33 |
| ## | 148 | 20190913 | 148 | NYA | 5 | 6 | | TORO2 | 44 |
| ## | 149 | 20190914 | 149 | NYA | 13 | 3 | | TORO2 | 35 |
| ## | 150 | 20190915 | 150 | NYA | 4 | 6 | | TORO2 | 31 |
| ## | 151 | 20190917 | 151 | BAL | 5 | 8 | | BAL12 | 37 |
| ## | 152 | 20190918 | 152 | BAL | 10 | 11 | | BAL12 | 42 |
| ## | 153 | 20190919 | 153 | BAL | 4 | 8 | | BAL12 | 35 |
| ## | 154 | 20190920 | 154 | NYA | 3 | 4 | | NYC21 | 33 |
| ## | 155 | 20190921 | 155 | NYA | 7 | 2 | | NYC21 | 33 |
| ## | 156 | 20190922 | 156 | NYA | 8 | 3 | | NYC21 | 36 |
| ## | 157 | 20190923 | 157 | BAL | 10 | 11 | | TORO2 | 52 |
| ## | 158 | 20190924 | 158 | BAL | 11 | 4 | | TORO2 | 33 |
| ## | 159 | 20190925 | 159 | BAL | 2 | 3 | | TORO2 | 28 |
| ## | 160 | 20190927 | 160 | TBA | 6 | 2 | | TORO2 | 31 |
| ## | 161 | 20190928 | 161 | TBA | 1 | 4 | | TORO2 | 29 |
| | 162 | 20190929 | 162 | TBA | 3 | 8 | | TORO2 | 35 |
| ## | | tor_hits to | r_doubles tor_ | triples | tor_homeru | ins tor | rbi | tor_walks | |
| ## | | 2 | 0 | 0 | _ | 0 | 0 | _ 1 | |
| ## | 2 | 7 | 0 | 1 | | 0 | 5 | 3 | |
| ## | 3 | 6 | 2 | 0 | | 1 | 3 | 4 | |
| ## | 4 | 8 | 2 | 0 | | 1 | 3 | 1 | |
| ## | 5 | 6 | 1 | 1 | | 2 | 5 | 2 | |
| ## | 6 | 6 | 0 | 0 | | 1 | 1 | 4 | |
| ## | 7 | 10 | 3 | 0 | | 2 | 4 | 2 | |
| ## | 8 | 3 | 1 | 0 | | 0 | 1 | 8 | |
| ## | 9 | 3 | 1 | 0 | | 1 | 2 | 3 | |
| ## | 10 | 10 | 4 | 0 | | 1 | 2 | 1 | |
| ## | 11 | 3 | 2 | 0 | | 0 | 1 | 2 | |
| ## | 12 | 10 | 2 | 0 | | 0 | 5 | 2 | |
| ## | 13 | 8 | 0 | 0 | | 3 | 6 | 5 | |
| ## | 14 | 9 | 3 | 0 | | 1 | 6 | 4 | |
| ## | | 5 | 2 | 0 | | 0 | 3 | 3 | |
| | 16 | 8 | 2 | 0 | | 2 | 4 | 4 | |
| | 17 | 11 | 4 | 0 | | 1 | 5 | 2 | |
| | 18 | 9 | 1 | 0 | | 0 | 6 | 6 | |
| | 19 | 8 | 0 | 0 | | 0 | 1 | 1 | |
| ## | | 9 | 1 | 0 | | 3 | 7 | 1 | |
| ## | | 7 | 3 | 0 | | 1 | 5 | 3 | |
| | - | • | - | • | | | _ | • | |

| ## | 22 | 15 | 3 | 0 | 3 | 10 | 3 |
|----|----|----|---|---|---|----|---|
| ## | 23 | 13 | 2 | 0 | 1 | 5 | 2 |
| ## | 24 | 9 | 1 | 1 | 2 | 6 | 2 |
| ## | | 2 | 0 | 0 | 0 | 0 | 2 |
| ## | | 8 | 1 | 0 | 2 | 4 | 1 |
| ## | | 12 | 4 | 0 | 0 | 6 | 5 |
| | | | | | | | |
| | 28 | 11 | 2 | 0 | 2 | 5 | 2 |
| | 29 | 5 | 1 | 0 | 1 | 2 | 3 |
| | 30 | 6 | 1 | 0 | 2 | 3 | 1 |
| ## | 31 | 6 | 3 | 0 | 0 | 2 | 3 |
| ## | 32 | 11 | 1 | 0 | 0 | 0 | 4 |
| ## | 33 | 9 | 1 | 1 | 0 | 5 | 5 |
| ## | 34 | 6 | 2 | 0 | 1 | 2 | 3 |
| ## | 35 | 3 | 0 | 0 | 0 | 0 | 2 |
| ## | 36 | 6 | 1 | 0 | 0 | 0 | 0 |
| | 37 | 2 | 0 | 0 | 1 | 1 | 2 |
| | 38 | 4 | 1 | 0 | 2 | 4 | 7 |
| ## | | 8 | 2 | 1 | 1 | 2 | 3 |
| ## | | 4 | 1 | 0 | 0 | 1 | 1 |
| ## | | 10 | 2 | 0 | 2 | 7 | 6 |
| | | | 2 | | | | |
| ## | | 5 | | 0 | 0 | 2 | 3 |
| ## | | 2 | 0 | 0 | 1 | 1 | 4 |
| ## | | 15 | 4 | 0 | 3 | 9 | 6 |
| ## | | 3 | 1 | 0 | 0 | 1 | 2 |
| ## | 46 | 8 | 0 | 0 | 3 | 5 | 2 |
| ## | 47 | 3 | 0 | 0 | 1 | 2 | 1 |
| ## | 48 | 11 | 1 | 0 | 3 | 10 | 5 |
| ## | 49 | 11 | 3 | 0 | 3 | 5 | 3 |
| ## | 50 | 5 | 3 | 0 | 1 | 2 | 0 |
| ## | 51 | 3 | 0 | 0 | 2 | 3 | 1 |
| ## | | 4 | 0 | 0 | 2 | 4 | 2 |
| ## | | 17 | 3 | 0 | 4 | 10 | 1 |
| ## | | 4 | 1 | 0 | 2 | 3 | 5 |
| ## | | 6 | 2 | 0 | 0 | 1 | 2 |
| | 56 | 12 | 3 | 0 | 1 | 3 | 5 |
| ## | 57 | 11 | 2 | 0 | 2 | 6 | 5 |
| | | | | | | | |
| ## | | 4 | 2 | 0 | 1 | 2 | 3 |
| ## | | 6 | 0 | 0 | 0 | 1 | 4 |
| ## | | 8 | 1 | 0 | 2 | 4 | 2 |
| ## | | 10 | 2 | 0 | 4 | 10 | 6 |
| ## | | 8 | 1 | 0 | 1 | 1 | 0 |
| ## | 63 | 5 | 0 | 0 | 1 | 1 | 2 |
| ## | 64 | 5 | 0 | 1 | 0 | 0 | 3 |
| ## | 65 | 7 | 3 | 0 | 1 | 2 | 1 |
| ## | 66 | 5 | 1 | 0 | 1 | 2 | 4 |
| | 67 | 10 | 3 | 0 | 1 | 7 | 6 |
| | 68 | 17 | 3 | 0 | 3 | 12 | 4 |
| | 69 | 5 | 1 | 0 | 0 | 2 | 2 |
| | 70 | 6 | 0 | 0 | 0 | 2 | 2 |
| | 71 | 14 | 3 | 1 | 5 | 12 | 4 |
| | 72 | 8 | 0 | 0 | 3 | 5 | 3 |
| | 73 | 3 | 0 | 0 | | 1 | 0 |
| | | | | | 1 | | |
| | 74 | 6 | 2 | 0 | 2 | 6 | 7 |
| ## | 15 | 12 | 3 | 0 | 4 | 7 | 6 |
| | | | | | | | |

| ## | 76 | 11 | 0 | 0 | 1 | 5 | 5 |
|----------|------------|--------|-----|---|--------|--------|--------|
| ## | 77 | 10 | 0 | 0 | 2 | 6 | 5 |
| ## | 78 | 10 | 4 | 0 | 1 | 5 | 5 |
| ## | 79 | 14 | 3 | 0 | 2 | 8 | 2 |
| ## | 80 | 7 | 2 | 0 | 0 | 3 | 0 |
| ## | 81 | 13 | 1 | 0 | 3 | 7 | 4 |
| ## | | 9 | 0 | 0 | 4 | 6 | 2 |
| ## | 83 | 6 | 0 | 0 | 3 | 7 | 7 |
| ## | | 8 | 0 | 1 | 2 | 6 | 3 |
| ## | | 18 | 4 | 0 | 3 | 11 | 4 |
| ## | | 8 | 3 | 0 | 1 | 6 | 6 |
| ## | | 11 | 3 | 0 | 3 | 6 | 5 |
| ## | | 11 | 5 | 0 | 3 | 7 | 5 |
| ## | | 4 | 1 | 1 | 1 | 1 | 2 |
| | 90 | 3 | 0 | 0 | 0 | 1 | 1 |
| | 91 | 9 | 3 | 1 | 1 | 6 | 4 |
| ## | | 6 | 0 | 0 | 0 | 0 | 0 |
| ## | | 8 | 1 | 0 | 0 | 2 | 2 |
| ## | | 6 | 0 | 0 | 2 | 2 | 1 |
| ## | | 13 | 3 | 0 | 1 | 8 | 0 |
| ## | | 14 | 3 | 2 | 2 | 9 | 3 7 |
| ## ## | | 5 2 | 0 | 0 | 0 | 4 0 | 2 |
| ## | | 15 | 0 2 | 0 | 1 | 11 | 5 |
| | 100 | 12 | 3 | 0 | 2 | 7 | 2 |
| | 100 | 5 | 2 | 0 | 1 | 3 | 2 |
| | 102 | 5 | 0 | 0 | 2 | 3 | 2 |
| | 103 | 8 | 1 | 0 | 1 | 2 | 4 |
| | 104 | 1 | 1 | 0 | 0 | 0 | 1 |
| | 105 | 4 | 2 | 0 | 0 | 1 | 3 |
| | 106 | 16 | 3 | 0 | 6 | 10 | 5 |
| | 107 | 12 | 2 | 0 | 2 | 8 | 6 |
| | 108 | 11 | 0 | 1 | 3 | 7 | 3 |
| | 109 | 10 | 1 | 0 | 1 | 8 | 5 |
| | 110 | 9 | 3 | 0 | 2 | 4 | 4 |
| ## | 111 | 14 | 2 | 0 | 5 | 11 | 5 |
| ## | 112 | 8 | 2 | 0 | 2 | 5 | 4 |
| ## | 113 | 12 | 3 | 0 | 2 | 4 | 1 |
| | 114 | 13 | 4 | 0 | 2 | 5 | 4 |
| | 115 | 9 | 2 | 0 | 1 | 2 | 0 |
| | 116 | 8 | 2 | 0 | 2 | 4 | 2 |
| | 117 | 7 | 2 | 0 | 3 | 4 | 2 |
| | 118 | 12 | 3 | 0 | 3 | 6 | 2 |
| | 119 | 6 | 2 | 0 | 4 | 8 | 5 |
| | 120 | 5 | 0 | 1 | 1 | 5 | 8 |
| | 121 | 4 | 0 | 0 | 0 | 0 | 0 |
| | 122 | 21 | 9 | 0 | 4 | 19 | 4 |
| | 123 | 6 | 1 | 0 | 3 | 3 | 4 |
| | 124 | 6 | 2 | 1 | 0 | 2 | 4 |
| | 125 | 11 | 2 | 0 | 4 | 7 | 1 |
| | 126 | 9 | 3 | 0 | 2 | 3 | 3 |
| | 127 128 | 2 7 | 1 | 0 | 0 3 | 0 3 | 1 4 |
| | 128 | 6 | 1 2 | 0 | 1 | 3 1 | |
| ## | 129 | O | 2 | 0 | Т | T | 1 |

| ## | 130 | 5 | 0 | 0 | 1 | 2 | 1 |
|----|-----|-------------|----------|----------------------|----|-------|---|
| ## | 131 | 11 | 2 | 0 | 0 | 4 | 3 |
| ## | 132 | 7 | 4 | 0 | 2 | 7 | 8 |
| ## | 133 | 5 | 3 | 0 | 0 | 1 | 3 |
| ## | 134 | 10 | 0 | 0 | 1 | 3 | 4 |
| ## | 135 | 10 | 3 | 0 | 0 | 3 | 3 |
| ## | 136 | 8 | 1 | 0 | 3 | 4 | 7 |
| ## | 137 | 10 | 1 | 0 | 2 | 6 | 4 |
| ## | 138 | 0 | 0 | 0 | 0 | 0 | 1 |
| ## | 139 | 5 | 1 | 0 | 2 | 3 | 2 |
| ## | 140 | 6 | 3 | 0 | 1 | 2 | 3 |
| ## | 141 | 8 | 1 | 1 | 2 | 4 | 3 |
| ## | 142 | 2 | 0 | 1 | 0 | 0 | 2 |
| ## | 143 | 6 | 3 | 0 | 0 | 3 | 3 |
| ## | 144 | 6 | 1 | 0 | 1 | 3 | 2 |
| ## | 145 | 9 | 1 | 0 | 3 | 4 | 5 |
| ## | 146 | 11 | 2 | 0 | 2 | 8 | 3 |
| ## | 147 | 7 | 2 | 1 | 0 | 4 | 6 |
| ## | 148 | 13 | 2 | 0 | 2 | 4 | 2 |
| ## | 149 | 9 | 3 | 0 | 0 | 3 | 3 |
| ## | 150 | 8 | 3 | 0 | 2 | 6 | 3 |
| ## | 151 | 12 | 1 | 1 | 3 | 7 | 3 |
| ## | 152 | 15 | 2 | 0 | 2 | 11 | 9 |
| ## | 153 | 10 | 3 | 0 | 2 | 8 | 3 |
| ## | 154 | 7 | 2 | 1 | 2 | 4 | 2 |
| ## | 155 | 6 | 3 | 0 | 0 | 2 | 0 |
| ## | 156 | 9 | 1 | 0 | 2 | 3 | 2 |
| ## | 157 | 13 | 0 | 0 | 5 | 11 | 6 |
| ## | 158 | 6 | 2 | 0 | 1 | 4 | 2 |
| ## | 159 | 5 | 0 | 0 | 3 | 3 | 4 |
| ## | 160 | 4 | 2 | 0 | 1 | 2 | 2 |
| ## | 161 | 8 | 2 | 1 | 1 | 4 | 5 |
| ## | 162 | 11 | 4 | 0 | 2 | 8 | 3 |
| ## | | opp_pitcher | | opp_pitcher_start_na | | | |
| ## | 1 | | zimmj003 | Jordan Zimmerma | | 1.518 | |
| ## | 2 | | boydm001 | Matt Bo | • | 1.232 | |
| ## | 3 | | turns003 | Spencer Turnbu | | 1.438 | |
| ## | | | moorm003 | Matt Moo | | 1.316 | |
| ## | | | hessd001 | David He | | 1.550 | |
| ## | | | casha001 | Andrew Cashn | | 1.347 | |
| ## | | | karnn001 | Nathan Kar | | 1.316 | |
| ## | | | bauet001 | Trevor Bau | | 1.249 | |
| ## | | | biebs001 | Shane Bieb | | 1.056 | |
| ## | | | carrc003 | Carlos Carras | | 1.350 | |
| ## | | | clevm001 | Mike Cleving | | 1.056 | |
| ## | | | salec001 | Chris Sa | | 1.088 | |
| ## | | | eovan001 | Nathan Eoval | | 1.592 | |
| ## | | | stanr002 | Ryne Stan | | 1.299 | |
| ## | | | snelb001 | Blake Sne | | 1.271 | |
| ## | | | mortc002 | Charlie Mort | | 1.087 | |
| ## | | | perem004 | Martin Per | | 1.520 | |
| ## | | | gibsk002 | Kyle Gibs | | 1.444 | |
| | 19 | | odorj001 | Jake Odoriz | | 1.208 | |
| ## | 20 | | pinem001 | Michael Pine | da | 1.158 | |
| | | | | | | | |

| ## | | brooa001 | Aaron Brooks | 1.382 |
|----|----|----------|-------------------|-------|
| ## | | fierm001 | Michael Fiers | 1.189 |
| | 23 | andeb004 | Brett Anderson | 1.307 |
| | 24 | samaj001 | Jeff Samardzija | 1.110 |
| | 25 | pomed001 | Drew Pomeranz | 1.433 |
| | 26 | fierm001 | Michael Fiers | 1.189 |
| | 27 | andeb004 | Brett Anderson | 1.307 |
| | 28 | bassc001 | Chris Bassitt | 1.194 |
| | 29 | canng001 | Griffin Canning | 1.221 |
| | 30 | bardl001 | Luke Bard | 1.102 |
| | 31 | skagt001 | Tyler Skaggs | 1.275 |
| | 32 | minom001 | Mike Minor | 1.240 |
| | 33 | lynnl001 | Lance Lynn | 1.221 |
| | 34 | smyld001 | Drew Smyly | 1.588 |
| | 35 | perem004 | Martin Perez | 1.520 |
| | 36 | berrj001 | Jose Berrios | 1.224 |
| | 37 | gibsk002 | Kyle Gibson | 1.444 |
| | 38 | coved001 | Dylan Covey | 1.770 |
| ## | | novai001 | Ivan Nova | 1.455 |
| ## | 40 | gioll001 | Lucas Giolito | 1.067 |
| ## | 41 | vincn001 | Nick Vincent | 1.335 |
| ## | 42 | andes002 | Shaun Anderson | 1.552 |
| ## | 43 | coved001 | Dylan Covey | 1.770 |
| ## | 44 | novai001 | Ivan Nova | 1.455 |
| ## | 45 | gioll001 | Lucas Giolito | 1.067 |
| ## | 46 | loper003 | Reynaldo Lopez | 1.457 |
| ## | 47 | pricd001 | David Price | 1.317 |
| ## | 48 | rodre004 | Eduardo Rodriguez | 1.329 |
| ## | 49 | porcr001 | Rick Porcello | 1.396 |
| ## | 50 | weber001 | Ryan Weber | 1.393 |
| ## | 51 | luccj001 | Joey Lucchesi | 1.225 |
| ## | 52 | quanc001 | Cal Quantrill | 1.301 |
| ## | 53 | erlir001 | Robbie Erlin | 1.579 |
| ## | 54 | chiry001 | Yonny Chirinos | 1.052 |
| ## | 55 | stanr002 | Ryne Stanek | 1.299 |
| ## | 56 | snelb001 | Blake Snell | 1.271 |
| ## | 57 | marqg001 | German Marquez | 1.201 |
| ## | 58 | grayj003 | Jon Gray | 1.353 |
| ## | 59 | senza001 | Antonio Senzatela | 1.755 |
| ## | 60 | tanam001 | Masahiro Tanaka | 1.242 |
| ## | 61 | paxtj001 | James Paxton | 1.285 |
| ## | 62 | happj001 | J.A. Happ | 1.297 |
| ## | 63 | kellm002 | Merrill Kelly | 1.316 |
| ## | 64 | greiz001 | Zack Greinke | 0.985 |
| ## | 65 | ray-r002 | Robbie Ray | 1.344 |
| ## | 66 | meanj001 | John Means | 1.135 |
| ## | 67 | hessd001 | David Hess | 1.550 |
| ## | 68 | ynoag001 | Gabriel Ynoa | 1.379 |
| ## | 69 | coleg001 | Gerrit Cole | 0.896 |
| ## | 70 | valdf001 | Framber Valdez | 1.681 |
| ## | 71 | peacb001 | Brad Peacock | 1.195 |
| ## | 72 | garcl005 | Luis Garcia | 1.516 |
| ## | 73 | skagt001 | Tyler Skaggs | 1.275 |
| ## | 74 | heana001 | Andrew Heaney | 1.293 |
| | | | | |

| ## | | suarj001 | Jose Suarez | 1.642 |
|----------|------------|----------------------|--------------------------------|----------------|
| ## | | salec001 | Chris Sale | 1.088 |
| ## | | johnb004 | Brian Johnson | 1.895 |
| ## | | porcr001 | Rick Porcello | 1.396 |
| ## | | sabac001 | CC Sabathia | 1.410 |
| ## | | greec003 | Chad Green | 1.232 |
| ## | | paxtj001 | James Paxton | 1.285 |
| ## | | duffd001 | Danny Duffy | 1.313 |
| ## | | bailh001 | Homer Bailey | 1.318 |
| ## ## | | kellb003 | Brad Keller | 1.357 1.507 |
| ## | | sparg001 | Glenn Sparkman David Price | 1.317 |
| ## | | pricd001 salec001 | Chris Sale | 1.088 |
| ## | | velah001 | Hector Velazquez | 1.533 |
| ## | | bundd001 | Dylan Bundy | 1.359 |
| ## | | casha001 | Andrew Cashner | 1.347 |
| ## | | wojca001 | Asher Wojciechowski | 1.315 |
| ## | | germd001 | Domingo German | 1.147 |
| ## | | happj001 | J.A. Happ | 1.297 |
| ## | | tanam001 | Masahiro Tanaka | 1.242 |
| ## | 95 | porcr001 | Rick Porcello | 1.396 |
| ## | 96 | casha001 | Andrew Cashner | 1.347 |
| ## | 97 | rodre004 | Eduardo Rodriguez | 1.329 |
| ## | 98 | salec001 | Chris Sale | 1.088 |
| ## | 99 | zimmj003 | Jordan Zimmermann | 1.518 |
| ## | 100 | norrd002 | Daniel Norris | 1.332 |
| ## | 101 | alext001 | Tyler Alexander | 1.410 |
| ## | 102 | clevm001 | Mike Clevinger | 1.056 |
| | 103 | bauet001 | Trevor Bauer | 1.249 |
| | 104 | biebs001 | Shane Bieber | 1.056 |
| | 105 | castd002 | Diego Castillo | 1.246 |
| | 106 | kitta001 | Andrew Kittredge | 1.280 |
| | 107 | chiry001 | Yonny Chirinos | 1.052 |
| | 108 | kellb003 | Brad Keller | 1.357 |
| | 109 110 | montm002 | Mike Montgomery | 1.615 |
| | | junij001 | Jake Junis | 1.428 |
| | 111 | wojca001 | Asher Wojciechowski | 1.315 |
| | 112 113 | brooa001 bundd001 | Aaron Brooks | 1.382 1.359 |
| | 114 | yacaj001 | Dylan Bundy Jimmy Yacabonis | 1.829 |
| | 115 | mortc002 | Charlie Morton | 1.087 |
| | 116 | kitta001 | Andrew Kittredge | 1.280 |
| | 117 | mckab001 | Brendan McKay | 1.408 |
| | 118 | germd001 | Domingo German | 1.147 |
| | 119 | happj001 | J.A. Happ | 1.297 |
| | 120 | greec003 | Chad Green | 1.232 |
| | 121 | tanam001 | Masahiro Tanaka | 1.242 |
| | 122 | juraa001 | Ariel Jurado | 1.507 |
| | 123 | lynnl001 | Lance Lynn | 1.221 |
| | 124 | allak001 | Kolby Allard | 1.574 |
| ## | 125 | wislm001 | Matt Wisler | 1.409 |
| ## | 126 | mcclr001 | Reggie McClain | 1.316 |
| ## | 127 | kikuy001 | Yusei Kikuchi | 1.520 |
| ## | 128 | kersc001 | Clayton Kershaw | 1.044 |
| | | | | |

```
## 129
                    buehw001
                                       Walker Buehler
                                                                   1.043
## 130
                    maedk001
                                          Kenta Maeda
                                                                   1.077
## 131
                    shefj001
                                     Justus Sheffield
                                                                   1.722
## 132
                                     Felix Hernandez
                                                                   1.545
                    hernf002
## 133
                    gonzm005
                                       Marco Gonzales
                                                                   1.310
## 134
                    sorom001
                                          Mike Soroka
                                                                   1.114
## 135
                    foltm001
                                     Mike Foltynewicz
                                                                   1.248
## 136
                                           Wade Miley
                    milew001
                                                                   1.346
## 137
                    valdf001
                                       Framber Valdez
                                                                   1.681
## 138
                                     Justin Verlander
                                                                   0.803
                    verlj001
## 139
                    sorom001
                                          Mike Soroka
                                                                   1.114
## 140
                    foltm001
                                     Mike Foltynewicz
                                                                   1.248
## 141
                    pruia001
                                        Austin Pruitt
                                                                   1.255
## 142
                                        Brendan McKay
                    mckab001
                                                                   1.408
## 143
                    mortc002
                                       Charlie Morton
                                                                   1.087
## 144
                    glast001
                                        Tyler Glasnow
                                                                   0.897
## 145
                                                                   1.592
                    eovan001
                                       Nathan Eovaldi
## 146
                    povnb001
                                         Bobby Poyner
                                                                   1.316
## 147
                                       Jhoulys Chacin
                                                                   1.562
                    chacj001
                                      Masahiro Tanaka
## 148
                    tanam001
                                                                   1.242
## 149
                    paxtj001
                                         James Paxton
                                                                   1.285
## 150
                    greec003
                                           Chad Green
                                                                   1.232
## 151
                    shepc001
                                    Chandler Shepherd
                                                                   1.316
## 152
                    bundd001
                                          Dylan Bundy
                                                                   1.359
## 153
                                         Gabriel Ynoa
                    ynoag001
                                                                   1.379
## 154
                    happj001
                                            J.A. Happ
                                                                   1.297
## 155
                    paxtj001
                                         James Paxton
                                                                   1.285
## 156
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                                        Luis Severino
                                                                   1.316
## 157
                    shepc001
                                    Chandler Shepherd
                                                                   1.316
## 158
                    bundd001
                                          Dylan Bundy
                                                                   1.359
## 159
                    ynoag001
                                         Gabriel Ynoa
                                                                   1.379
## 160
                    glast001
                                        Tyler Glasnow
                                                                   0.897
## 161
                    yarbr001
                                       Ryan Yarbrough
                                                                   0.999
## 162
                    snelb001
                                                                   1.271
                                          Blake Snell
##
       tor_batting_1_id tor_batting_1_name tor_batting_1_pos
                                                                  tor batting 2 id
## 1
                drurb001
                               Brandon Drury
                                                                5
                                                                           gricr001
## 2
                drurb001
                               Brandon Drury
                                                                5
                                                                           gricr001
                               Brandon Drury
## 3
                drurb001
                                                                5
                                                                           mckib001
## 4
                                Danny Jansen
                                                               10
                                                                           drurb001
                jansd001
## 5
                                                                9
                              Billy McKinney
                                                                           drurb001
                mckib001
## 6
                drurb001
                               Brandon Drury
                                                                5
                                                                           mckib001
## 7
                mckib001
                              Billy McKinney
                                                                9
                                                                           gricr001
## 8
                               Brandon Drury
                                                                5
                                                                           brits001
                drurb001
## 9
                                                                9
                                                                           hernt002
                brits001
                              Socrates Brito
## 10
                                                                6
                                                                           hernt002
                galvf001
                               Freddy Galvis
## 11
                                                                9
                              Socrates Brito
                                                                           galvf001
                brits001
## 12
                                                                6
                galvf001
                               Freddy Galvis
                                                                           hernt002
## 13
                                                                7
                mckib001
                              Billy McKinney
                                                                           galvf001
                                                                9
## 14
                mckib001
                              Billy McKinney
                                                                           galvf001
## 15
                                                                6
                galvf001
                               Freddy Galvis
                                                                           smoaj001
                                                                7
## 16
                              Billy McKinney
                                                                           galvf001
                mckib001
                                                                9
## 17
                mckib001
                              Billy McKinney
                                                                           galvf001
## 18
                sogae001
                                 Eric Sogard
                                                                5
                                                                           galvf001
## 19
                sogae001
                                 Eric Sogard
                                                                           galvf001
```

| ## | | sogae001 | Eric Sogard | 4 | galvf001 |
|----------|-----|----------------------|--------------------------------|--------|----------------------|
| ## | | sogae001 | Eric Sogard | 4 | galvf001 |
| ## | | sogae001 | Eric Sogard | 4 | galvf001 |
| ## | | hansa001 | Alen Hanson | 4 | galvf001 |
| ## | | sogae001 | Eric Sogard | 4 | urenr001 |
| ## | | sogae001 | Eric Sogard | 4 | drurb001 |
| ## | | sogae001 | Eric Sogard | 6 | smoaj001 |
| ## | | sogae001 | Eric Sogard | 6 | smoaj001 |
| ## | | sogae001 | Eric Sogard | 6 | smoaj001 |
| ## | | sogae001 | Eric Sogard | 4 | galvf001 |
| ## | | galvf001 | Freddy Galvis | 6 | gricr001 |
| ## | | sogae001 | Eric Sogard | 4 | galvf001 |
| ## | | sogae001 | Eric Sogard | 4 | galvf001 |
| ## | | sogae001 | Eric Sogard | 4 | galvf001 |
| ## | | sogae001 | Eric Sogard | 4 | galvf001 |
| ## | | sogae001 | Eric Sogard | 4 | galvf001 |
| ## | | galvf001 | Freddy Galvis | 6 | smoaj001 |
| ## | | sogae001 | Eric Sogard | 4 | galvf001 |
| ## | | sogae001 | Eric Sogard | 4 | guerv002 |
| ## | | sogae001 | Eric Sogard | 4 | guerv002 |
| ## | | galvf001 | Freddy Galvis | 6 | guerv002 |
| ## | | sogae001 | Eric Sogard | 4 | guerv002 |
| ## | | drurb001 | Brandon Drury | 4 | guerv002 |
| ## | | sogae001 | Eric Sogard | 4 | guerv002 |
| ## | | sogae001 | Eric Sogard | 4 | guerv002 |
| ## | | mckib001 | Billy McKinney | 7 | guerv002 |
| ## | | sogae001 | Eric Sogard | 4 | guerv002 |
| ## | | davij007 | Jonathan Davis | 8 | drurb001 |
| ## | | davij007 | Jonathan Davis | 8 | guerv002 |
| ## | | sogae001 | Eric Sogard | 4 | guerv002 |
| ## | | sogae001 | Eric Sogard | 4 | guerv002 |
| ## | | drurb001 | Brandon Drury | 9 | guerv002 |
| ## | | galvf001 | Freddy Galvis | 6 | guerv002 |
| ## | | sogae001 | Eric Sogard | 5 | guerv002 |
| ## | | sogae001 | Eric Sogard | 4 | guerv002 |
| ## | | sogae001 | Eric Sogard | 4 | guerv002 |
| ## | | sogae001 | Eric Sogard | 4 | gurr1001 |
| ## | | galvf001 | Freddy Galvis | 6 | guerv002 |
| ## | | galvf001 | Freddy Galvis | 6 | guerv002 |
| ## ## | | sogae001 | Eric Sogard | 4 | guerv002 guerv002 |
| ## | | sogae001 | Eric Sogard Lourdes Gurriel | 4 7 | • |
| ## | | gurrl001 | | 4 | guerv002 |
| ## | | sogae001 | Eric Sogard | 4 | guerv002 |
| ## | | sogae001 | Eric Sogard | 4 | guerv002 |
| ## | | biggc002 sogae001 | Cavan Biggio Eric Sogard | 10 | guerv002 gurr1001 |
| ## | | _ | _ | 4 | |
| ## | | sogae001 biggc002 | Eric Sogard | 4 | guerv002 guerv002 |
| ## | | sogae001 | Cavan Biggio Eric Sogard | 4 | guerv002 guerv002 |
| ## | | biggc002 | Cavan Biggio | 4 | guerv002 guerv002 |
| ## | | sogae001 | Eric Sogard | 4 | gricr001 |
| ## | | sogae001 sogae001 | Eric Sogard Eric Sogard | 5 | guerv002 |
| ## | | sogae001 | Eric Sogard Eric Sogard | 10 | biggc002 |
| ## | | sogae001 | Eric Sogard Eric Sogard | 4 | guerv002 |
| ıππ | . 0 | DOEGCOOL | LITO DOGGIU | ュ | Pact 1002 |

| ## | 74 | sogae001 | Eric So | _ | 10 | guerv002 |
|----|----------|----------------------|--------------------|-------|--------|----------------------|
| | 75 | sogae001 | Eric So | = | 10 | guerv002 |
| ## | 76 | sogae001 | Eric So | • | 4 | guerv002 |
| ## | 77 | sogae001 | Eric So | = | 10 | guerv002 |
| ## | 78 | sogae001 | Eric So | _ | 4 | guerv002 |
| | 79 | sogae001 | Eric So | • | 10 | guerv002 |
| | 80 | sogae001 | Eric So | = | 10 | guerv002 |
| | 81 | biggc002 | Cavan Bi | | 4 | guerv002 |
| ## | 82 | sogae001 | Eric So | _ | 10 | guerv002 |
| | 83 | sogae001 | Eric So | = | 4 | guerv002 |
| | 84 | sogae001 | Eric So | = | 5 | smoaj001 |
| | 85 | sogae001 | Eric So | = | 10 | guerv002 |
| ## | 86 | sogae001 | Eric So | = | 10 | guerv002 |
| | 87 | galvf001 | Freddy Ga | | 6 | guerv002 |
| | 88 | sogae001 | Eric So | = | 9 | galvf001 |
| | 89 | sogae001 | Eric So | _ | 9 | galvf001 |
| | 90 | galvf001 | Freddy Ga | | 6 | guerv002 |
| | 91 | sogae001 | Eric So | _ | 9 | galvf001 |
| ## | 92 | sogae001 | Eric So | = | 10 | galvf001 |
| | 93 94 | sogae001 | Eric So | • | 9 4 | galvf001 |
| | 95 95 | sogae001 | Eric So | • | 10 | galvf001 galvf001 |
| ## | 96 | sogae001 | Eric So | • | 4 | guerv002 |
| | 97 | sogae001 sogae001 | Eric So Eric So | • | 7 | guerv002 |
| | 98 | galvf001 | Freddy Ga | = | 6 | gricr001 |
| | 99 | sogae001 | Eric So | | 4 | galvf001 |
| | 100 | sogae001 | Eric So | • | 10 | galvf001 |
| | 101 | sogae001 | Eric So | = | 4 | galvf001 |
| | 102 | sogae001 | Eric So | = | 10 | galvf001 |
| | 103 | sogae001 | Eric So | = | 10 | galvf001 |
| | 104 | sogae001 | Eric So | = | 4 | galvf001 |
| ## | 105 | biggc002 | Cavan Bi | = | 4 | guerv002 |
| ## | 106 | sogae001 | Eric So | | 9 | galvf001 |
| ## | 107 | biggc002 | Cavan Bi | = | 4 | galvf001 |
| ## | 108 | biggc002 | Cavan Bi | | 4 | gricr001 |
| ## | 109 | bichb001 | Bo Bich | nette | 6 | galvf001 |
| ## | 110 | bichb001 | Bo Bich | nette | 6 | biggc002 |
| ## | 111 | bichb001 | Bo Bich | nette | 10 | biggc002 |
| ## | 112 | bichb001 | Bo Bich | nette | 6 | biggc002 |
| ## | 113 | bichb001 | Bo Bich | nette | 6 | galvf001 |
| ## | 114 | bichb001 | Bo Bich | nette | 6 | biggc002 |
| ## | 115 | bichb001 | Bo Bich | nette | 6 | biggc002 |
| ## | 116 | bichb001 | Bo Bich | nette | 10 | biggc002 |
| ## | 117 | bichb001 | Bo Bich | | 6 | galvf001 |
| | 118 | bichb001 | Bo Bich | | 6 | biggc002 |
| | 119 | bichb001 | Bo Bich | | 6 | biggc002 |
| | 120 | bichb001 | Bo Bich | | 10 | biggc002 |
| | 121 | bichb001 | Bo Bich | | 6 | biggc002 |
| | 122 | bichb001 | Bo Bich | | 6 | biggc002 |
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| | 124 | bichb001 | Bo Bich | | 6 | biggc002 |
| | 125 | bichb001 | Bo Bich | | 6 | biggc002 |
| | 126 | bichb001 | Bo Bich | | 6 | biggc002 |
| ## | 127 | bichb001 | Bo Bich | nette | 6 | biggc002 |
| | | | | | | |

| ## | 128 | bichb001 | Bo Bichette | 6 | drurb001 |
|----|-----|--------------------|---------------------|------------------|-------------------|
| ## | 129 | bichb001 | Bo Bichette | 6 | biggc002 |
| ## | 130 | bichb001 | Bo Bichette | 6 | biggc002 |
| ## | 131 | bichb001 | Bo Bichette | 6 | fishd001 |
| ## | 132 | bichb001 | Bo Bichette | 6 | biggc002 |
| ## | 133 | bichb001 | Bo Bichette | 6 | biggc002 |
| | 134 | bichb001 | Bo Bichette | 6 | biggc002 |
| ## | 135 | bichb001 | Bo Bichette | 6 | biggc002 |
| ## | 136 | bichb001 | Bo Bichette | 6 | biggc002 |
| ## | 137 | bichb001 | Bo Bichette | 6 | biggc002 |
| ## | 138 | bichb001 | Bo Bichette | 6 | biggc002 |
| ## | 139 | bichb001 | Bo Bichette | 6 | biggc002 |
| ## | 140 | bichb001 | Bo Bichette | 6 | biggc002 |
| ## | 141 | bichb001 | Bo Bichette | 6 | biggc002 |
| ## | 142 | bichb001 | Bo Bichette | 6 | hernt002 |
| ## | 143 | bichb001 | Bo Bichette | 6 | biggc002 |
| | 144 | bichb001 | Bo Bichette | 6 | hernt002 |
| | 145 | bichb001 | Bo Bichette | 6 | biggc002 |
| | 146 | bichb001 | Bo Bichette | 6 | biggc002 |
| | 147 | bichb001 | Bo Bichette | 6 | biggc002 |
| | 148 | bichb001 | Bo Bichette | 10 | biggc002 |
| | 149 | bichb001 | Bo Bichette | 6 | gricr001 |
| | 150 | bichb001 | Bo Bichette | 6 | biggc002 |
| | 151 | bichb001 | Bo Bichette | 6 | biggc002 |
| | 152 | bichb001 | Bo Bichette | 6 | biggc002 |
| | 153 | bichb001 | Bo Bichette | 6 | biggc002 |
| | 154 | alfoa002 | Anthony Alford | 7 | biggc002 |
| | 155 | davij007 | Jonathan Davis | 8 | biggc002 |
| | 156 | mckib001 | Billy McKinney | 9 | biggc002 |
| | 157 | mckib001 | Billy McKinney | 9 | biggc002 |
| | 158 | valeb001 | Breyvic Valera | 6 | biggc002 |
| | 159 | mckib001 | Billy McKinney | 9 | valeb001 |
| | 160 | mckib001 | Billy McKinney | 9 | biggc002 |
| | 161 | hernt002 | Teoscar Hernandez | 8 | biggc002 |
| | 162 | hernt002 | Teoscar Hernandez | 7 | biggc002 |
| ## | | tor batting 2 name | e tor_batting_2_pos | tor batting 3 id | |
| ## | 1 | Randal Grichul | | hernt002 | |
| ## | 2 | Randal Grichul | k 10 | smoaj001 | Justin Smoak |
| ## | | Billy McKinney | | hernt002 | Teoscar Hernandez |
| ## | 4 | Brandon Drury | • | smoaj001 | Justin Smoak |
| ## | 5 | Brandon Drury | | smoaj001 | Justin Smoak |
| ## | 6 | Billy McKinney | | hernt002 | Teoscar Hernandez |
| ## | 7 | Randal Grichul | , k 8 | smoaj001 | Justin Smoak |
| ## | 8 | Socrates Brite | 9 | gricr001 | Randal Grichuk |
| ## | 9 | Teoscar Hernande | z 7 | mckib001 | Billy McKinney |
| ## | 10 | Teoscar Hernande | z 7 | smoaj001 | Justin Smoak |
| ## | 11 | Freddy Galvis | 5 6 | gricr001 | Randal Grichuk |
| ## | 12 | Teoscar Hernande | z 7 | drurb001 | Brandon Drury |
| ## | 13 | Freddy Galvis | 5 6 | smoaj001 | Justin Smoak |
| ## | 14 | Freddy Galvi | | smoaj001 | Justin Smoak |
| ## | 15 | Justin Smoal | k 10 | hernt002 | Teoscar Hernandez |
| ## | 16 | Freddy Galvis | s 6 | smoaj001 | Justin Smoak |
| ## | 17 | Freddy Galvi | s 6 | gricr001 | Randal Grichuk |
| ## | 18 | Freddy Galvi | s 6 | gricr001 | Randal Grichuk |
| | | | | | |

| шш | 10 | Fraddr Calaria | C | i001 | Dandal Codabula |
|----|----------|--|---------|----------------------|----------------------------------|
| ## | 19 | Freddy Galvis | 6 6 | gricr001 | Randal Grichuk Randal Grichuk |
| | 21 | Freddy Galvis | 6 | gricr001 | Randal Grichuk |
| | 22 | Freddy Galvis Freddy Galvis | 6 | gricr001 gricr001 | Randal Grichuk |
| | 23 | Freddy Galvis | 6 | gricr001 | Randal Grichuk |
| | 24 | Richard Urena | 6 | gricr001 | Randal Grichuk |
| | 25 | Brandon Drury | 5 | smoaj001 | Justin Smoak |
| | 26 | Justin Smoak | 3 | gricr001 | Randal Grichuk |
| | 27 | Justin Smoak | 3 | gricr001 | Randal Grichuk |
| | 28 | Justin Smoak | 10 | gricr001 | Randal Grichuk |
| | 29 | Freddy Galvis | 6 | gricr001 | Randal Grichuk |
| | 30 | Randal Grichuk | 8 | smoaj001 | Justin Smoak |
| | 31 | Freddy Galvis | 6 | gricr001 | Randal Grichuk |
| | 32 | Freddy Galvis | 6 | gricr001 | Randal Grichuk |
| | 33 | Freddy Galvis | 6 | smoaj001 | Justin Smoak |
| | 34 | Freddy Galvis | 6 | gricr001 | Randal Grichuk |
| | 35 | Freddy Galvis | 6 | gricr001 | Randal Grichuk |
| | 36 | Justin Smoak | 3 | gricr001 | Randal Grichuk |
| ## | 37 | Freddy Galvis | 6 | gricr001 | Randal Grichuk |
| ## | 38 | Vladimir Guerrero | 5 | smoaj001 | Justin Smoak |
| ## | 39 | Vladimir Guerrero | 5 | smoaj001 | Justin Smoak |
| ## | 40 | Vladimir Guerrero | 5 | smoaj001 | Justin Smoak |
| ## | 41 | Vladimir Guerrero | 5 | smoaj001 | Justin Smoak |
| ## | 42 | Vladimir Guerrero | 5 | tellr001 | Rowdy Tellez |
| ## | 43 | Vladimir Guerrero | 10 | smoaj001 | Justin Smoak |
| ## | 44 | Vladimir Guerrero | 5 | smoaj001 | Justin Smoak |
| ## | 45 | Vladimir Guerrero | 5 | smoaj001 | Justin Smoak |
| ## | 46 | Vladimir Guerrero | 5 | smoaj001 | Justin Smoak |
| ## | 47 | Brandon Drury | 5 | smoaj001 | Justin Smoak |
| ## | 48 | Vladimir Guerrero | 5 | smoaj001 | Justin Smoak |
| ## | 49 | Vladimir Guerrero | 5 | smoaj001 | Justin Smoak |
| | 50 | Vladimir Guerrero | 5 | smoaj001 | Justin Smoak |
| | 51 | Vladimir Guerrero | 5 | smoaj001 | Justin Smoak |
| | 52 | Vladimir Guerrero | 5 | smoaj001 | Justin Smoak |
| | 53 | Vladimir Guerrero | 10 | smoaj001 | Justin Smoak |
| | 54 | Vladimir Guerrero | 5 | tellr001 | Rowdy Tellez |
| | 55 | Vladimir Guerrero | 5 | smoaj001 | Justin Smoak |
| ## | | Lourdes Gurriel | 7 | smoaj001 | Justin Smoak |
| | 57 | Vladimir Guerrero | 5 | tellr001 | Rowdy Tellez |
| | 58 | Vladimir Guerrero | 5 | smoaj001 | Justin Smoak |
| ## | | Vladimir Guerrero | 5 | smoaj001 | Justin Smoak |
| ## | | Vladimir Guerrero | 5 | smoaj001 | Justin Smoak |
| ## | 61 62 | Vladimir Guerrero Vladimir Guerrero | 10 5 | smoaj001 | Justin Smoak Justin Smoak |
| ## | | Vladimir Guerrero | 5 | smoaj001 tellr001 | Rowdy Tellez |
| ## | | Vladimir Guerrero | 5 | smoaj001 | Justin Smoak |
| ## | | Lourdes Gurriel | 7 | gricr001 | Randal Grichuk |
| ## | | Vladimir Guerrero | 10 | gurrl001 | Lourdes Gurriel |
| ## | | Vladimir Guerrero | 5 | gurrl001 | Lourdes Gurriel |
| ## | | Vladimir Guerrero | 5 | gurrl001 | Lourdes Gurriel |
| | 69 | Vladimir Guerrero | 5 | gurrl001 | Lourdes Gurriel |
| ## | | Randal Grichuk | 9 | gurrl001 | Lourdes Gurriel |
| | 71 | Vladimir Guerrero | 10 | gurrl001 | Lourdes Gurriel |
| | 72 | Cavan Biggio | 7 | guerv002 | Vladimir Guerrero |
| | | 22.22 218810 | ' | 04011002 | |

| ## | 73 | Vladimir Guerrero | 10 | gurrl001 | Lourdes Gurriel |
|----|-----|-------------------|----|----------|-------------------|
| | 74 | Vladimir Guerrero | 5 | gurrl001 | Lourdes Gurriel |
| | 75 | Vladimir Guerrero | 5 | gurrl001 | Lourdes Gurriel |
| | 76 | Vladimir Guerrero | 10 | gurrl001 | Lourdes Gurriel |
| | 77 | Vladimir Guerrero | 5 | gurrl001 | Lourdes Gurriel |
| | 78 | Vladimir Guerrero | 10 | gurrl001 | Lourdes Gurriel |
| | 79 | Vladimir Guerrero | 5 | gurrl001 | Lourdes Gurriel |
| | 80 | Vladimir Guerrero | 5 | gurrl001 | Lourdes Gurriel |
| | 81 | Vladimir Guerrero | 10 | gurrl001 | Lourdes Gurriel |
| | 82 | Vladimir Guerrero | 5 | gurrl001 | Lourdes Gurriel |
| | 83 | Vladimir Guerrero | 10 | gurrl001 | Lourdes Gurriel |
| | 84 | Justin Smoak | 10 | gurr1001 | Lourdes Gurriel |
| | 85 | Vladimir Guerrero | 5 | • | Lourdes Gurriel |
| | 86 | Vladimir Guerrero | 5 | gurrl001 | Lourdes Gurriel |
| | 87 | Vladimir Guerrero | | gurrl001 | Lourdes Gurriel |
| | | | 5 | gurr1001 | |
| | 88 | Freddy Galvis | 6 | gurr1001 | Lourdes Gurriel |
| | 89 | Freddy Galvis | 6 | guerv002 | Vladimir Guerrero |
| | 90 | Vladimir Guerrero | 5 | gurr1001 | Lourdes Gurriel |
| | 91 | Freddy Galvis | 6 | gurr1001 | Lourdes Gurriel |
| | 92 | Freddy Galvis | 6 | gurrl001 | Lourdes Gurriel |
| | 93 | Freddy Galvis | 6 | gurrl001 | Lourdes Gurriel |
| | 94 | Freddy Galvis | 6 | gurrl001 | Lourdes Gurriel |
| | 95 | Freddy Galvis | 6 | gurrl001 | Lourdes Gurriel |
| | 96 | Vladimir Guerrero | 5 | gurrl001 | Lourdes Gurriel |
| | 97 | Vladimir Guerrero | 5 | gurrl001 | Lourdes Gurriel |
| | 98 | Randal Grichuk | 9 | gurrl001 | Lourdes Gurriel |
| | 99 | Freddy Galvis | 6 | gurrl001 | Lourdes Gurriel |
| | 100 | Freddy Galvis | 6 | gurrl001 | Lourdes Gurriel |
| | 101 | Freddy Galvis | 6 | gurrl001 | Lourdes Gurriel |
| | 102 | Freddy Galvis | 6 | gurrl001 | Lourdes Gurriel |
| | 103 | Freddy Galvis | 6 | smoaj001 | Justin Smoak |
| | 104 | Freddy Galvis | 6 | gurrl001 | Lourdes Gurriel |
| | 105 | Vladimir Guerrero | 5 | gurrl001 | Lourdes Gurriel |
| | 106 | Freddy Galvis | 6 | gurrl001 | Lourdes Gurriel |
| | 107 | Freddy Galvis | 6 | gurrl001 | Lourdes Gurriel |
| | 108 | Randal Grichuk | 9 | guerv002 | Vladimir Guerrero |
| | 109 | Freddy Galvis | 10 | gurrl001 | Lourdes Gurriel |
| | 110 | Cavan Biggio | 4 | gurrl001 | Lourdes Gurriel |
| | 111 | Cavan Biggio | 4 | guerv002 | Vladimir Guerrero |
| | 112 | Cavan Biggio | 9 | gurrl001 | Lourdes Gurriel |
| | 113 | Freddy Galvis | 4 | gurr1001 | Lourdes Gurriel |
| | 114 | Cavan Biggio | 4 | gurrl001 | Lourdes Gurriel |
| | 115 | Cavan Biggio | 4 | gurrl001 | Lourdes Gurriel |
| | 116 | Cavan Biggio | 4 | gurrl001 | Lourdes Gurriel |
| | 117 | Freddy Galvis | 4 | gurrl001 | Lourdes Gurriel |
| | 118 | Cavan Biggio | 4 | gurr1001 | Lourdes Gurriel |
| | 119 | Cavan Biggio | 4 | guerv002 | Vladimir Guerrero |
| | 120 | Cavan Biggio | 4 | guerv002 | Vladimir Guerrero |
| | 121 | Cavan Biggio | 10 | galvf001 | Freddy Galvis |
| | 122 | Cavan Biggio | 4 | guerv002 | Vladimir Guerrero |
| | 123 | Cavan Biggio | 4 | guerv002 | Vladimir Guerrero |
| | 124 | Cavan Biggio | 4 | guerv002 | Vladimir Guerrero |
| | 125 | Cavan Biggio | 4 | guerv002 | Vladimir Guerrero |
| ## | 126 | Cavan Biggio | 4 | guerv002 | Vladimir Guerrero |
| | | | | | |

| | 407 | a p: : | | | D 110:11 |
|----|------------|----------------------|----------------------|-------------------|---------------------------------------|
| | 127 | Cavan Biggio | | 4 gricr001 | |
| | 128 | Brandon Drury | | 4 guerv002 | |
| | 129 | Cavan Biggio | | 4 gricr001 | |
| | 130 | Cavan Biggio | | 4 guerv002 | |
| | 131 | Derek Fisher | | 7 guerv002 | |
| | 132 | Cavan Biggio | | 4 guerv002 | |
| | 133 | Cavan Biggio | | 4 guerv002 | |
| | 134 135 | Cavan Biggio | | 4 guerv002 | |
| | 136 | Cavan Biggio | | 4 guerv002 | |
| | 137 | Cavan Biggio | | 4 guerv002 | |
| | | Cavan Biggio | | 4 guerv002 | |
| | 138 | Cavan Biggio | | 4 guerv002 | |
| | 139 | Cavan Biggio | | 4 gricr001 | |
| | 140 | Cavan Biggio | | 4 guerv002 | |
| | 141 | Cavan Biggio | | 4 gricr001 | |
| | 142 | Teoscar Hernandez | | 8 gricr001 | |
| | 143 | Cavan Biggio | | 4 tellr001 | J |
| | 144 | Teoscar Hernandez | | 8 tellr001 | , , , , , , , , , , , , , , , , , , , |
| | 145 | Cavan Biggio | | 4 guerv002 | |
| | 146 | Cavan Biggio | | 4 guerv002 | |
| | 147 | Cavan Biggio | | 4 guerv002 | |
| | 148 | Cavan Biggio | | 4 guerv002 | |
| | 149 | Randal Grichuk | | 9 gurr1001 | |
| | 150 | Cavan Biggio | | 4 gricr001 | |
| | 151 | Cavan Biggio | | 4 gurr1001 | |
| | 152 | Cavan Biggio | | 4 gricr001 | |
| | 153 | Cavan Biggio | | 4 gurr1001 | |
| | 154 | Cavan Biggio | | 4 gurr1001 | |
| | 155 | Cavan Biggio | | 4 gurr1001 | |
| | 156 | Cavan Biggio | | 4 gricr001 | |
| | 157 | Cavan Biggio | | 4 gricr001 | |
| | 158 | Cavan Biggio | | 4 gricr001 | |
| | 159 | Breyvic Valera | | 6 biggc002 | |
| | 160 | Cavan Biggio | | 4 gricr001 | |
| | 161 | Cavan Biggio | | 4 gricr001 | |
| | 162 | Cavan Biggio | 1 | 4 gricr001 | |
| ## | | tor_batting_3_pos_to | | | _ |
| ## | 1 | 7 | smoaj001 | Justin Smoak | |
| | 2 | 3 | hernt002 | Teoscar Hernandez | |
| | 3 | 7 | smoaj001 | Justin Smoak | |
| ## | | 3 | gricr001 | Randal Grichuk | |
| ## | | 3 | gricr001 | Randal Grichuk | |
| | 6 7 | 7 | smoaj001 hernt002 | Justin Smoak | |
| ## | - | 10 | | Teoscar Hernandez | • |
| | | 8 | tellr001 | Rowdy Tellez | |
| ## | | 10 | gricr001 | Randal Grichuk | |
| | 10 | 10 | gricr001 | Randal Grichuk | |
| | 11 | 8 | tellr001 | Rowdy Tellez | |
| | 12 | 5 | gricr001 | Randal Grichuk | |
| | 13 | 10 | gricr001 | Randal Grichuk | |
| | 14 | 3 | gricr001 | Randal Grichuk | |
| | 15 | 7 | gricr001 | Randal Grichuk | |
| | 16 | 3 | gricr001 | Randal Grichuk | |
| ## | 1/ | 8 | smoaj001 | Justin Smoak | 3 |

| ## 18 | 9 | smoaj001 | Justin Smoak | 3 |
|----------------|----|----------------------|------------------------------|---------|
| ## 19 | 8 | smoaj001 | Justin Smoak | 3 |
| ## 20 | 8 | smoaj001 | Justin Smoak | 10 |
| ## 21 | 10 | smoaj001 | Justin Smoak | 3 |
| ## 22 | 8 | smoaj001 | Justin Smoak | 10 |
| ## 23 | 8 | smoaj001 | Justin Smoak | 3 |
| ## 24 | 9 | smoaj001 | Justin Smoak | 3 |
| ## 25 | 10 | gricr001 | Randal Grichuk | 8 |
| ## 26 | 8 | tellr001 | Rowdy Tellez | 10 |
| ## 27 | 8 | guerv002 | Vladimir Guerrero | 5 |
| ## 28 | 8 | tellr001 | Rowdy Tellez | 3 |
| ## 29 | 8 | smoaj001 | Justin Smoak | 10 |
| ## 30 | 3 | tellr001 | Rowdy Tellez | 10 |
| ## 31 | 8 | smoaj001 | Justin Smoak | 3 |
| ## 32 | 8 | smoaj001 | Justin Smoak | 10 |
| ## 33 | 10 | gricr001 | Randal Grichuk | 8 |
| ## 34 | 8 | smoaj001 | Justin Smoak | 3 |
| ## 35 | 8 | smoaj001 | Justin Smoak | 3 |
| ## 36 | 8 | tellr001 | Rowdy Tellez | 10 |
| ## 37 | 8 | smoaj001 | Justin Smoak | 10 |
| ## 38 | 3 | tellr001 | Rowdy Tellez | 10 |
| ## 39 | 3 | tellr001 | Rowdy Tellez | 10 |
| ## 40 | 3 | tellr001 | Rowdy Tellez | 10 |
| ## 41 | 3 | gricr001 | Randal Grichuk | 9 |
| ## 42 ## 43 | 3 | gricr001 | Randal Grichuk | 8 |
| ## 43 | 3 | gricr001 tellr001 | Randal Grichuk | 9 10 |
| ## 45 | 10 | tellr001 | Rowdy Tellez | 3 |
| ## 46 | 3 | tellr001 | Rowdy Tellez Rowdy Tellez | 10 |
| ## 47 | 3 | gricr001 | Randal Grichuk | 9 |
| ## 48 | 3 | tellr001 | Rowdy Tellez | 10 |
| ## 49 | 3 | tellr001 | Rowdy Tellez | 10 |
| ## 50 | 10 | tellr001 | Rowdy Tellez | 3 |
| ## 51 | 10 | tellr001 | Rowdy Tellez | 3 |
| ## 52 | 3 | tellr001 | Rowdy Tellez | 10 |
| ## 53 | 3 | gricr001 | Randal Grichuk | 8 |
| ## 54 | 3 | gricr001 | Randal Grichuk | 9 |
| ## 55 | 3 | tellr001 | Rowdy Tellez | 10 |
| ## 56 | 3 | tellr001 | Rowdy Tellez | 10 |
| ## 57 | 3 | gurrl001 | Lourdes Gurriel | 7 |
| ## 58 | 3 | gurrl001 | Lourdes Gurriel | 7 |
| ## 59 | 3 | gricr001 | Randal Grichuk | 8 |
| ## 60 | 3 | tellr001 | Rowdy Tellez | 10 |
| ## 61 | 3 | gricr001 | Randal Grichuk | 9 |
| ## 62 | 3 | gricr001 | Randal Grichuk | 10 |
| ## 63 | 10 | gricr001 | Randal Grichuk | 9 |
| ## 64 | 10 | gricr001 | Randal Grichuk | 9 |
| ## 65 | 9 | smoaj001 | Justin Smoak | 3 |
| ## 66 | 7 | gricr001 | Randal Grichuk | 9 |
| ## 67 | 7 | gricr001 | Randal Grichuk | 9 |
| ## 68 | 7 | smoaj001 | Justin Smoak | 3 |
| ## 69 | 7 | tellr001 | Rowdy Tellez | 10 |
| ## 70 | 7 | hernt002 | Teoscar Hernandez | 8 |
| ## 71 | 7 | tellr001 | Rowdy Tellez | 3 |

| | | _ | | | _ |
|----|-----|----|----------|-------------------|----|
| ## | | 5 | tellr001 | Rowdy Tellez | 3 |
| ## | | 7 | biggc002 | Cavan Biggio | 9 |
| ## | | 7 | gricr001 | Randal Grichuk | 8 |
| ## | | 7 | biggc002 | Cavan Biggio | 4 |
| ## | | 7 | hernt002 | Teoscar Hernandez | 8 |
| ## | | 7 | gricr001 | Randal Grichuk | 9 |
| ## | | 7 | biggc002 | Cavan Biggio | 9 |
| ## | | 7 | biggc002 | Cavan Biggio | 4 |
| ## | | 7 | biggc002 | Cavan Biggio | 4 |
| ## | | 7 | gricr001 | Randal Grichuk | 9 |
| ## | | 7 | biggc002 | Cavan Biggio | 4 |
| ## | | 7 | biggc002 | Cavan Biggio | 9 |
| ## | | 7 | biggc002 | Cavan Biggio | 4 |
| ## | | 7 | biggc002 | Cavan Biggio | 4 |
| ## | 86 | 7 | smoaj001 | Justin Smoak | 3 |
| ## | | 7 | biggc002 | Cavan Biggio | 4 |
| ## | 88 | 7 | biggc002 | Cavan Biggio | 4 |
| ## | | 5 | biggc002 | Cavan Biggio | 4 |
| ## | | 7 | biggc002 | Cavan Biggio | 4 |
| ## | 91 | 7 | biggc002 | Cavan Biggio | 4 |
| ## | 92 | 7 | biggc002 | Cavan Biggio | 4 |
| ## | 93 | 7 | biggc002 | Cavan Biggio | 4 |
| ## | 94 | 7 | biggc002 | Cavan Biggio | 10 |
| ## | 95 | 7 | biggc002 | Cavan Biggio | 4 |
| ## | 96 | 10 | gricr001 | Randal Grichuk | 9 |
| ## | 97 | 10 | gricr001 | Randal Grichuk | 9 |
| ## | 98 | 7 | smoaj001 | Justin Smoak | 3 |
| ## | 99 | 7 | smoaj001 | Justin Smoak | 3 |
| ## | 100 | 7 | gricr001 | Randal Grichuk | 9 |
| ## | 101 | 7 | gricr001 | Randal Grichuk | 9 |
| ## | 102 | 7 | biggc002 | Cavan Biggio | 4 |
| ## | 103 | 3 | biggc002 | Cavan Biggio | 4 |
| ## | 104 | 7 | guerv002 | Vladimir Guerrero | 10 |
| ## | 105 | 7 | smoaj001 | Justin Smoak | 10 |
| ## | 106 | 7 | gricr001 | Randal Grichuk | 10 |
| ## | 107 | 7 | smoaj001 | Justin Smoak | 3 |
| | 108 | 5 | smoaj001 | Justin Smoak | 3 |
| ## | 109 | 7 | gricr001 | Randal Grichuk | 9 |
| ## | 110 | 7 | smoaj001 | Justin Smoak | 3 |
| ## | 111 | 5 | smoaj001 | Justin Smoak | 3 |
| ## | 112 | 7 | guerv002 | Vladimir Guerrero | 5 |
| ## | 113 | 7 | guerv002 | Vladimir Guerrero | 5 |
| ## | 114 | 7 | guerv002 | Vladimir Guerrero | 10 |
| ## | 115 | 7 | smoaj001 | Justin Smoak | 3 |
| ## | 116 | 7 | guerv002 | Vladimir Guerrero | 5 |
| ## | 117 | 10 | gricr001 | Randal Grichuk | 9 |
| | 118 | 7 | guerv002 | Vladimir Guerrero | 5 |
| | 119 | 5 | gricr001 | Randal Grichuk | 9 |
| | 120 | 5 | gricr001 | Randal Grichuk | 9 |
| | 121 | 4 | gricr001 | Randal Grichuk | 9 |
| | 122 | 5 | smoaj001 | Justin Smoak | 10 |
| | 123 | 5 | smoaj001 | Justin Smoak | 3 |
| ## | 124 | 10 | gricr001 | Randal Grichuk | 9 |
| ## | 125 | 5 | gricr001 | Randal Grichuk | 9 |
| | | | | | |

| ## | 126 | 5 | tellr001 | Poudu Tollog | 3 |
|----|-----|------------------|--------------------|-----------------------------------|------------------|
| | 127 | 9 | hernt002 | Rowdy Tellez Teoscar Hernandez | 8 |
| | 128 | 5 | gricr001 | Randal Grichuk | 9 |
| | 129 | | tellr001 | | 3 |
| | 130 | 9 | tellr001 | Rowdy Tellez | 3 |
| | | | | Rowdy Tellez | 9 |
| | 131 | 10 | gricr001 | Randal Grichuk | |
| | 132 | 5 | tellr001 | Rowdy Tellez | 10 |
| | 133 | 10 | tellr001 | Rowdy Tellez | 3 |
| | 134 | 5 | tellr001 | Rowdy Tellez | 3 |
| | 135 | 5 | tellr001 | Rowdy Tellez | 10 |
| | 136 | 5 | gricr001 | Randal Grichuk | 9 |
| | 137 | 10 | gricr001 | Randal Grichuk | 9 |
| | 138 | 5 | smoaj001 | Justin Smoak | 3 |
| | 139 | 9 | smoaj001 | Justin Smoak | 3 |
| | 140 | 5 | tellr001 | Rowdy Tellez | 3 |
| | 141 | 9 | guerv002 | | 5 |
| | 142 | 10 | guerv002 | | 5 |
| | 143 | 3 | guerv002 | | 5 |
| | 144 | 3 | guerv002 | | 10 |
| | 145 | 5 | tellr001 | Rowdy Tellez | 3 |
| | 146 | 5 | tellr001 | Rowdy Tellez | 10 |
| | 147 | 5 | tellr001 | Rowdy Tellez | 3 |
| ## | 148 | 5 | tellr001 | Rowdy Tellez | 3 |
| ## | 149 | 10 | guerv002 | Vladimir Guerrero | 5 |
| ## | 150 | 9 | tellr001 | Rowdy Tellez | 10 |
| ## | 151 | 10 | guerv002 | | 5 |
| ## | 152 | 9 | guerv002 | Vladimir Guerrero | 10 |
| ## | 153 | 7 | guerv002 | Vladimir Guerrero | 5 |
| ## | 154 | 10 | guerv002 | Vladimir Guerrero | 5 |
| ## | 155 | 10 | guerv002 | Vladimir Guerrero | 5 |
| ## | 156 | 8 | smoaj001 | Justin Smoak | 10 |
| ## | 157 | 10 | guerv002 | Vladimir Guerrero | 5 |
| ## | 158 | 9 | guerv002 | Vladimir Guerrero | 10 |
| ## | 159 | 4 | guerv002 | Vladimir Guerrero | 10 |
| ## | 160 | 10 | tellr001 | Rowdy Tellez | 3 |
| ## | 161 | 9 | tellr001 | Rowdy Tellez | 3 |
| ## | 162 | 9 | tellr001 | Rowdy Tellez | 10 |
| ## | | tor_batting_5_id | tor_batting_5_name | tor_batting_5_pos | tor_batting_6_id |
| ## | 1 | gurrl001 | Lourdes Gurriel | 4 | pillk001 |
| ## | 2 | gurrl001 | Lourdes Gurriel | 4 | pillk001 |
| ## | 3 | jansd001 | Danny Jansen | 2 | tellr001 |
| ## | 4 | hernt002 | Teoscar Hernandez | 7 | gurrl001 |
| ## | 5 | tellr001 | Rowdy Tellez | 10 | hernt002 |
| ## | 6 | jansd001 | Danny Jansen | 2 | tellr001 |
| ## | 7 | tellr001 | Rowdy Tellez | 3 | gurrl001 |
| ## | 8 | jansd001 | Danny Jansen | 2 | mckib001 |
| ## | 9 | tellr001 | Rowdy Tellez | 3 | drurb001 |
| ## | 10 | tellr001 | Rowdy Tellez | 3 | drurb001 |
| ## | 11 | hernt002 | Teoscar Hernandez | 10 | mckib001 |
| ## | 12 | jansd001 | Danny Jansen | 2 | gurrl001 |
| | 13 | tellr001 | Rowdy Tellez | 3 | jansd001 |
| ## | | hernt002 | Teoscar Hernandez | 7 | gurr1001 |
| | 15 | gurrl001 | Lourdes Gurriel | 4 | drurb001 |
| ## | | tellr001 | Rowdy Tellez | 10 | gurrl001 |
| | | | • | | 5 |

| ## | 17 | hernt002 | Teoscar Hernandez | 7 | drurb001 |
|----------|----|----------------------|----------------------------------|--------|----------------------|
| ## | 18 | hernt002 | Teoscar Hernandez | 7 | tellr001 |
| ## | 19 | hernt002 | Teoscar Hernandez | 7 | tellr001 |
| ## | 20 | hernt002 | Teoscar Hernandez | 7 | tellr001 |
| ## | 21 | hernt002 | Teoscar Hernandez | 7 | mckib001 |
| ## | 22 | hernt002 | Teoscar Hernandez | 7 | tellr001 |
| ## | 23 | hernt002 | Teoscar Hernandez | 7 | drurb001 |
| ## | 24 | tellr001 | Rowdy Tellez | 10 | drurb001 |
| ## | 25 | tellr001 | Rowdy Tellez | 3 | hernt002 |
| ## | 26 | guerv002 | Vladimir Guerrero | 5 | mckib001 |
| ## | 27 | hernt002 | Teoscar Hernandez | 7 | drurb001 |
| ## | 28 | guerv002 | Vladimir Guerrero | 5 | mckib001 |
| ## | 29 | guerv002 | Vladimir Guerrero | 5 | tellr001 |
| ## | 30 | guerv002 | Vladimir Guerrero | 5 | drurb001 |
| ## | 31 | drurb001 | Brandon Drury | 5 | tellr001 |
| ## | 32 | guerv002 | Vladimir Guerrero | 5 | tellr001 |
| ## | 33 | guerv002 | Vladimir Guerrero | 5 | tellr001 |
| ## | 34 | guerv002 | Vladimir Guerrero | 5 | tellr001 |
| ## | 35 | guerv002 | Vladimir Guerrero | 5 | tellr001 |
| ## | 36 | guerv002 | Vladimir Guerrero | 5 | mckib001 |
| ## | 37 | tellr001 | Rowdy Tellez | 3 | mckib001 |
| ## | 38 | gricr001 | Randal Grichuk | 9 | galvf001 |
| ## | 39 | gricr001 | Randal Grichuk | 8 | galvf001 |
| ## | 40 | gricr001 | Randal Grichuk | 9 | drurb001 |
| ## | 41 | galvf001 | Freddy Galvis | 6 | mckib001 |
| ## | 42 | galvf001 | Freddy Galvis | 6 | hernt002 |
| ## | | galvf001 | Freddy Galvis | 6 | drurb001 |
| ## | | gricr001 | Randal Grichuk | 8 | galvf001 |
| ## | | gricr001 | Randal Grichuk | 8 | galvf001 |
| ## | | gricr001 | Randal Grichuk | 9 | galvf001 |
| ## | | galvf001 | Freddy Galvis | 6 | jansd001 |
| ## | | gricr001 | Randal Grichuk | 9 | galvf001 |
| ## | | gricr001 | Randal Grichuk | 9 | galvf001 |
| ## | | drurb001 | Brandon Drury | 7 | galvf001 |
| ## ## | | gricr001 | Randal Grichuk Randal Grichuk | 8 | galvf001 |
| ## | | gricr001 galvf001 | | 6 | gurrl001 gurrl001 |
| ## | | galvf001 | Freddy Galvis Freddy Galvis | | gurrl001 |
| ## | | gricr001 | Randal Grichuk | 6 9 | gurr1001 |
| ## | | gricr001 | Randal Grichuk | 9 | galvf001 |
| ## | | gricr001 | Randal Grichuk | 9 | biggc002 |
| ## | | gricr001 | Randal Grichuk | 9 | biggc002 |
| ## | | biggc002 | Cavan Biggio | 9 | drurb001 |
| ## | | gricr001 | Randal Grichuk | 8 | biggc002 |
| ## | | drurb001 | Brandon Drury | 5 | hernt002 |
| ## | 62 | gurrl001 | Lourdes Gurriel | 7 | hernt002 |
| ## | 63 | gurrl001 | Lourdes Gurriel | 7 | biggc002 |
| ## | 64 | gurrl001 | Lourdes Gurriel | 7 | tellr001 |
| ## | 65 | hernt002 | Teoscar Hernandez | 8 | biggc002 |
| ## | 66 | smoaj001 | Justin Smoak | 3 | hernt002 |
| ## | 67 | smoaj001 | Justin Smoak | 3 | hernt002 |
| ## | 68 | tellr001 | Rowdy Tellez | 10 | hernt002 |
| ## | | smoaj001 | Justin Smoak | 3 | gricr001 |
| ## | 70 | tellr001 | Rowdy Tellez | 10 | galvf001 |
| | | | | | |

| ## 71 hernt | :002 Teoscar Hernandez | 8 | biggc002 |
|----------------------------|------------------------|----|----------------------|
| ## 72 hernt | | 8 | gricr001 |
| ## 73 gric | | 8 | tellr001 |
| ## 74 galví | | 6 | biggc002 |
| ## 75 gaivi | • | 8 | |
| ## 76 grice | | 9 | gricr001 |
| ## 77 grici | | 8 | galvf001 |
| | | 6 | biggc002 |
| 0 | · | 8 | gricr001 tellr001 |
| ## 79 gricr ## 80 hernt | | 8 | tellr001 |
| ## 81 tellr | | 3 | hernt002 |
| ## 82 telli | · · | 8 | |
| | | | smoaj001 |
| | | 3 | galvf001 |
| ## 84 hernt | | 8 | tellr001 |
| ## 85 gricr | | 9 | tellr001 |
| ## 86 grici | | 8 | biggc002 |
| ## 87 gricr | | 8 | smoaj001 |
| ## 88 smoaj | | 3 | tellr001 |
| ## 89 janso | • | 2 | smoaj001 |
| ## 90 janso | · · | 10 | smoaj001 |
| ## 91 guerv | | 5 | smoaj001 |
| ## 92 guerv | | 5 | smoaj001 |
| ## 93 guery | | 10 | gricr001 |
| ## 94 guery | | 5 | smoaj001 |
| ## 95 gricr | | 8 | smoaj001 |
| ## 96 janso | • | 2 | smoaj001 |
| ## 97 biggo | | 4 | smoaj001 |
| ## 98 janso | · · | 2 | guerv002 |
| ## 99 guerv | | 5 | biggc002 |
| ## 100 guerv | | 5 | jansd001 |
| ## 101 guerv | | 10 | smoaj001 |
| ## 102 guerv | | 5 | smoaj001 |
| ## 103 guery | | 5 | gricr001 |
| ## 104 smoaj | | 3 | gricr001 |
| ## 105 gricr | | 9 | galvf001 |
| ## 106 guery | | 5 | biggc002 |
| ## 107 guery | | 10 | drurb001 |
| ## 108 drurk | • | 7 | bichb001 |
| ## 109 guery | | 5 | biggc002 |
| ## 110 gricr | | 8 | galvf001 |
| ## 111 gricr | | 9 | galvf001 |
| ## 112 smoaj | | 10 | galvf001 |
| ## 113 smoaj | • | 3 | gricr001 |
| ## 114 smoaj | | 3 | gricr001 |
| ## 115 guery | | 5 | galvf001 |
| ## 116 galví | · · | 6 | gricr001 |
| ## 117 smoaj | • | 3 | drurb001 |
| ## 118 galvf | | 10 | smoaj001 |
| ## 119 galví | • | 10 | hernt002 |
| ## 120 smoaj | | 3 | galvf001 |
| ## 121 smoaj | | 3 | hernt002 |
| ## 122 gricr | | 9 | hernt002 |
| ## 123 gricr | | 10 | hernt002 |
| ## 124 hernt | :002 Teoscar Hernandez | 8 | tellr001 |

| ## | 125 | smoaj001 | Justin Smoak | 3 | hernt002 |
|----|------------|----------------------|--------------------------------|----------|-----------------|
| ## | 126 | gricr001 | Randal Grichuk | 8 | smoaj001 |
| ## | 127 | smoaj001 | Justin Smoak | 3 | tellr001 |
| ## | 128 | hernt002 | Teoscar Hernandez | 8 | smoaj001 |
| ## | 129 | drurb001 | Brandon Drury | 5 | mckib001 |
| ## | 130 | gricr001 | Randal Grichuk | 8 | mckib001 |
| ## | 131 | smoaj001 | Justin Smoak | 3 | hernt002 |
| ## | 132 | gricr001 | Randal Grichuk | 9 | smoaj001 |
| ## | 133 | gricr001 | Randal Grichuk | 9 | fishd001 |
| ## | 134 | gricr001 | Randal Grichuk | 8 | smoaj001 |
| ## | 135 | gricr001 | Randal Grichuk | 9 | smoaj001 |
| ## | 136 | hernt002 | Teoscar Hernandez | 8 | smoaj001 |
| ## | 137 | hernt002 | Teoscar Hernandez | 8 | drurb001 |
| ## | 138 | tellr001 | Rowdy Tellez | 10 | gricr001 |
| ## | 139 | hernt002 | Teoscar Hernandez | 8 | mckib001 |
| ## | 140 | gricr001 | Randal Grichuk | 9 | fishd001 |
| ## | 141 | tellr001 | Rowdy Tellez | 10 | hernt002 |
| ## | 142 | tellr001 | Rowdy Tellez | 3 | drurb001 |
| ## | 143 | smoaj001 | Justin Smoak | 10 | mcgur002 |
| ## | 144 | gricr001 | Randal Grichuk | 9 | davij007 |
| ## | 145 | gricr001 | Randal Grichuk | 9 | smoaj001 |
| ## | 146 | gricr001 | Randal Grichuk | 9 | hernt002 |
| ## | 147 | smoaj001 | Justin Smoak | 10 | gricr001 |
| | 148 | gricr001 | Randal Grichuk | 9 | mcgur002 |
| | 149 | hernt002 | Teoscar Hernandez | 7 | smoaj001 |
| | 150 | hernt002 | Teoscar Hernandez | 8 | mcgur002 |
| | 151 | gricr001 | Randal Grichuk | 9 | smoaj001 |
| | 152 | mcgur002 | Reese McGuire | 2 | hernt002 |
| | 153 | smoaj001 | Justin Smoak | 10 | gricr001 |
| | 154 | gricr001 | Randal Grichuk | 9 | hernt002 |
| | 155 | gricr001 | Randal Grichuk | 9 | hernt002 |
| | 156 | mcgur002 | Reese McGuire | 2 | tellr001 |
| | 157 | tellr001 | Rowdy Tellez | 3 | hernt002 |
| | 158 | mcgur002 | Reese McGuire | 2 | drurb001 |
| | 159 160 | tellr001 | Rowdy Tellez | 3 5 | hernt002 |
| | 161 | guerv002 drurb001 | Vladimir Guerrero | 5 | mcgur002 |
| | 162 | smoaj001 | Brandon Drury | 3 | smoaj001 |
| ## | 102 | | Justin Smoak tor_batting_6_pos | | valeb001 |
| ## | 1 | Kevin Pillar | | tellr001 | Rowdy Tellez |
| | 2 | Kevin Pillar | | mckib001 | Billy McKinney |
| ## | | Rowdy Tellez | | pillk001 | Kevin Pillar |
| ## | | Lourdes Gurriel | | pillk001 | Kevin Pillar |
| ## | | Teoscar Hernandez | | gurrl001 | Lourdes Gurriel |
| | 6 | Rowdy Tellez | | alfoa002 | Anthony Alford |
| ## | 7 | Lourdes Gurriel | | galvf001 | Freddy Galvis |
| ## | 8 | Billy McKinney | 7 | gurr1001 | Lourdes Gurriel |
| ## | 9 | Brandon Drury | | galvf001 | Freddy Galvis |
| ## | 10 | Brandon Drury | | jansd001 | Danny Jansen |
| ## | 11 | Billy McKinney | 7 | hansa001 | Alen Hanson |
| ## | 12 | Lourdes Gurriel | | urenr001 | Richard Urena |
| ## | 13 | Danny Jansen | . 2 | drurb001 | Brandon Drury |
| ## | 14 | Lourdes Gurriel | 10 | urenr001 | Richard Urena |
| ## | 15 | Brandon Drury | 5 | tellr001 | Rowdy Tellez |

| ## | 16 | Lourdes Gurriel | 4 | brits001 | Socrates Brito |
|----|----------|--------------------------------|----|----------------------|-----------------------------------|
| | 17 | Brandon Drury | 5 | hansa001 | Alen Hanson |
| ## | 18 | Rowdy Tellez | 10 | hansa001 | Alen Hanson |
| ## | 19 | Rowdy Tellez | 10 | drurb001 | Brandon Drury |
| ## | 20 | Rowdy Tellez | 3 | drurb001 | Brandon Drury |
| ## | 21 | Billy McKinney | 9 | drurb001 | Brandon Drury |
| ## | 22 | Rowdy Tellez | 3 | drurb001 | Brandon Drury |
| ## | 23 | Brandon Drury | 5 | tellr001 | Rowdy Tellez |
| ## | 24 | Brandon Drury | 5 | mckib001 | Billy McKinney |
| ## | 25 | Teoscar Hernandez | 7 | jansd001 | Danny Jansen |
| ## | 26 | Billy McKinney | 9 | hernt002 | Teoscar Hernandez |
| ## | 27 | Brandon Drury | 4 | tellr001 | Rowdy Tellez |
| ## | 28 | Billy McKinney | 7 | drurb001 | Brandon Drury |
| ## | 29 | Rowdy Tellez | 3 | drurb001 | Brandon Drury |
| ## | 30 | Brandon Drury | 4 | mckib001 | Billy McKinney |
| ## | 31 | Rowdy Tellez | 10 | hernt002 | Teoscar Hernandez |
| ## | 32 | Rowdy Tellez | 3 | drurb001 | Brandon Drury |
| ## | 33 | Rowdy Tellez | 3 | mckib001 | Billy McKinney |
| ## | 34 | Rowdy Tellez | 10 | drurb001 | Brandon Drury |
| ## | 35 | Rowdy Tellez | 10 | drurb001 | Brandon Drury |
| | 36 | Billy McKinney | 9 | drurb001 | Brandon Drury |
| ## | 37 | Billy McKinney | 7 | drurb001 | Brandon Drury |
| | 38 | Freddy Galvis | 6 | hernt002 | Teoscar Hernandez |
| ## | | Freddy Galvis | 6 | hernt002 | Teoscar Hernandez |
| | 40 | Brandon Drury | 4 | hernt002 | Teoscar Hernandez |
| | 41 | Billy McKinney | 7 | davij007 | Jonathan Davis |
| | 42 | Teoscar Hernandez | 7 | mckib001 | Billy McKinney |
| | 43 | Brandon Drury | 5 | mckib001 | Billy McKinney |
| | 44 | Freddy Galvis | 6 | drurb001 | Brandon Drury |
| | 45 | Freddy Galvis | 6 | drurb001 | Brandon Drury |
| | 46 | Freddy Galvis | 6 | mckib001 | Billy McKinney |
| | 47 | Danny Jansen | 10 | mckib001 | Billy McKinney |
| | 48 | Freddy Galvis | 6 | mckib001 | Billy McKinney |
| | 49 50 | Freddy Galvis | 6 | drurb001 | Brandon Drury |
| ## | | Freddy Galvis Freddy Galvis | 6 | mckib001 | Billy McKinney Lourdes Gurriel |
| | 52 | Lourdes Gurriel | 7 | gurrl001 biggc002 | Cavan Biggio |
| | 53 | Lourdes Gurriel | 7 | biggc002 | Cavan Biggio |
| | 54 | Lourdes Gurriel | 7 | biggc002 | Cavan Biggio |
| | 55 | Lourdes Gurriel | 7 | drurb001 | Brandon Drury |
| | 56 | Freddy Galvis | 6 | drurb001 | Brandon Drury |
| | 57 | Cavan Biggio | 4 | davij007 | Jonathan Davis |
| | 58 | Cavan Biggio | 4 | jansd001 | Danny Jansen |
| | 59 | Brandon Drury | 7 | galvf001 | Freddy Galvis |
| | 60 | Cavan Biggio | 9 | gurrl001 | Lourdes Gurriel |
| | 61 | Teoscar Hernandez | 8 | biggc002 | Cavan Biggio |
| | 62 | Teoscar Hernandez | 8 | galvf001 | Freddy Galvis |
| | 63 | Cavan Biggio | 3 | hernt002 | Teoscar Hernandez |
| | 64 | Rowdy Tellez | 3 | hernt002 | Teoscar Hernandez |
| | 65 | Cavan Biggio | 4 | galvf001 | Freddy Galvis |
| | 66 | Teoscar Hernandez | 8 | galvf001 | Freddy Galvis |
| | 67 | Teoscar Hernandez | 8 | tellr001 | Rowdy Tellez |
| ## | 68 | Teoscar Hernandez | 8 | biggc002 | Cavan Biggio |
| ## | 69 | Randal Grichuk | 8 | galvf001 | Freddy Galvis |
| | | | | - | |

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|----------------|------------|-------------------------------|--------|----------------------|--------------------------------|
| | 70 71 | Freddy Galvis Cavan Biggio | 6 4 | biggc002 | Cavan Biggio Randal Grichuk |
| | 72 | Randal Grichuk | | gricr001 galvf001 | |
| | | | 9 | • | Freddy Galvis |
| | 73 | Rowdy Tellez | 3 | galvf001 | Freddy Galvis |
| | 74 75 | Cavan Biggio | 4 | jansd001 | Danny Jansen |
| ## | | Randal Grichuk | 9 | tellr001 | Rowdy Tellez |
| | 76 | Freddy Galvis | 6 | jansd001 | Danny Jansen |
| | 77 | Cavan Biggio | 4 | galvf001 | Freddy Galvis |
| | 78 | Randal Grichuk | 8 | tellr001 | Rowdy Tellez |
| ## | | Rowdy Tellez | 3 | galvf001 | Freddy Galvis |
| | 80 | Rowdy Tellez | 3 | gricr001 | Randal Grichuk |
| | 81 | Teoscar Hernandez | 8 | galvf001 | Freddy Galvis |
| | 82 | Justin Smoak | 3 | gricr001 | Randal Grichuk |
| | 83 | Freddy Galvis | 6 | gricr001 | Randal Grichuk |
| | 84 | Rowdy Tellez | 3 | galvf001 | Freddy Galvis |
| | 85 | Rowdy Tellez | 3 | hernt002 | Teoscar Hernandez |
| ## | 86 | Cavan Biggio | 4 | galvf001 | Freddy Galvis |
| ## | 87 | Justin Smoak | 10 | jansd001 | Danny Jansen |
| ## | 88 | Rowdy Tellez | 10 | hernt002 | Teoscar Hernandez |
| ## | 89 | Justin Smoak | 3 | drurb001 | Brandon Drury |
| ## | 90 | Justin Smoak | 3 | drurb001 | Brandon Drury |
| ## | 91 | Justin Smoak | 3 | jansd001 | Danny Jansen |
| ## | 92 | Justin Smoak | 3 | gricr001 | Randal Grichuk |
| ## | 93 | Randal Grichuk | 8 | tellr001 | Rowdy Tellez |
| ## | 94 | Justin Smoak | 3 | gricr001 | Randal Grichuk |
| ## | 95 | Justin Smoak | 3 | jansd001 | Danny Jansen |
| ## | 96 | Justin Smoak | 3 | galvf001 | Freddy Galvis |
| ## | 97 | Justin Smoak | 3 | galvf001 | Freddy Galvis |
| ## | 98 | Vladimir Guerrero | 10 | hernt002 | Teoscar Hernandez |
| ## | 99 | Cavan Biggio | 10 | jansd001 | Danny Jansen |
| ## | 100 | Danny Jansen | 2 | biggc002 | Cavan Biggio |
| ## | 101 | Justin Smoak | 3 | hernt002 | Teoscar Hernandez |
| ## | 102 | Justin Smoak | 3 | gricr001 | Randal Grichuk |
| ## | 103 | Randal Grichuk | 9 | hernt002 | Teoscar Hernandez |
| ## | 104 | Randal Grichuk | 9 | jansd001 | Danny Jansen |
| ## | 105 | Freddy Galvis | 6 | jansd001 | Danny Jansen |
| ## | 106 | Cavan Biggio | 4 | jansd001 | Danny Jansen |
| ## | 107 | Brandon Drury | 5 | mckib001 | Billy McKinney |
| ## | 108 | Bo Bichette | 6 | mckib001 | Billy McKinney |
| | 109 | Cavan Biggio | 4 | hernt002 | Teoscar Hernandez |
| | 110 | Freddy Galvis | 10 | mckib001 | Billy McKinney |
| | 111 | Freddy Galvis | 6 | hernt002 | Teoscar Hernandez |
| | 112 | Freddy Galvis | 4 | drurb001 | Brandon Drury |
| | 113 | Randal Grichuk | 10 | fishd001 | Derek Fisher |
| | 114 | Randal Grichuk | 9 | hernt002 | Teoscar Hernandez |
| | 115 | Freddy Galvis | 10 | gricr001 | Randal Grichuk |
| | 116 | Randal Grichuk | 9 | hernt002 | Teoscar Hernandez |
| | 117 | Brandon Drury | 5 | fishd001 | Derek Fisher |
| | 118 | Justin Smoak | 3 | gricr001 | Randal Grichuk |
| | | Teoscar Hernandez | 8 | drurb001 | Brandon Drury |
| | 114 | respect Hermander | | | |
| | 119 | Freddy Calvia | E | TICHALLI | Darek Ficher |
| ## | 120 | Freddy Galvis | 6 | fishd001 | Derek Fisher |
| ## ## | 120 121 | Teoscar Hernandez | 8 | fishd001 | Derek Fisher |
| ## ## ## | 120 | • | | | |

| ## | 124 | Rowdy Tellez | | 3 | dr | rurb001 | Brandon Drury |
|----------|-----|----------------------|----------------------|---------|-------|--------------------|-------------------|
| | 125 | Teoscar Hernandez | | 8 | | rurb001 | Brandon Drury |
| | 126 | Justin Smoak | | 10 | | shd001 | Derek Fisher |
| | 127 | Rowdy Tellez | | 10 | | rurb001 | Brandon Drury |
| | 128 | Justin Smoak | | 3 | | insd001 | Danny Jansen |
| | 129 | Billy McKinney | | 7 | | ernt002 | Teoscar Hernandez |
| | 130 | Billy McKinney | | 9 | _ | insd001 | Danny Jansen |
| | 131 | Teoscar Hernandez | | 8 | | .ggc002 | Cavan Biggio |
| | 132 | Justin Smoak | | 3 | | ernt002 | Teoscar Hernandez |
| | 133 | Derek Fisher | | 7 | | ernt002 | Teoscar Hernandez |
| | 134 | Justin Smoak | | 10 | | kib001 | Billy McKinney |
| | 135 | Justin Smoak | | 3 | | ernt002 | Teoscar Hernandez |
| | 136 | Justin Smoak | 1 | 10 | | urb001 | Brandon Drury |
| | 137 | Brandon Drury | | 5 | | ellr001 | Rowdy Tellez |
| | 138 | Randal Grichuk | | 8 | | kib001 | Billy McKinney |
| | 139 | Billy McKinney | | 7 | | rurb001 | Brandon Drury |
| | 140 | Derek Fisher | | 7 | | ernt002 | Teoscar Hernandez |
| | 141 | Teoscar Hernandez | | 8 | | noaj001 | Justin Smoak |
| | 142 | Brandon Drury | | 4 | | vij007 | Jonathan Davis |
| | 143 | Reese McGuire | | 2 | | vij007 | Jonathan Davis |
| | 144 | Jonathan Davis | | 7 | | rurb001 | Brandon Drury |
| | 145 | Justin Smoak | | 10 | | gur002 | Reese McGuire |
| | 146 | Teoscar Hernandez | | 7 | | vij007 | Jonathan Davis |
| | 147 | Randal Grichuk | | 8 | | gur002 | Reese McGuire |
| | 148 | Reese McGuire | | 2 | | ernt002 | Teoscar Hernandez |
| | 149 | Justin Smoak | | 3 | | rurb001 | Brandon Drury |
| ## | 150 | Reese McGuire | | 2 | | rurb001 | Brandon Drury |
| | 151 | Justin Smoak | | 3 | | ernt002 | Teoscar Hernandez |
| | 152 | Teoscar Hernandez | | 8 | | ellr001 | Rowdy Tellez |
| | 153 | Randal Grichuk | | 8 | | gur002 | Reese McGuire |
| | 154 | Teoscar Hernandez | | 8 | | noaj001 | Justin Smoak |
| | 155 | Teoscar Hernandez | | 7 | | rurb001 | Brandon Drury |
| | 156 | Rowdy Tellez | | 3 | | renr001 | Richard Urena |
| | 157 | Teoscar Hernandez | | 7 | | rurb001 | Brandon Drury |
| | 158 | Brandon Drury | | 5 | | ellr001 | Rowdy Tellez |
| ## | 159 | Teoscar Hernandez | | 8 | | rurb001 | Brandon Drury |
| | 160 | Reese McGuire | _ | 2 | | ernt002 | Teoscar Hernandez |
| | 161 | Justin Smoak | | 10 5 | | foa002 | Anthony Alford |
| | 162 | Breyvic Valera | | | | enr001 | Richard Urena |
| ## ## | 1 | tor_batting_7_pos 10 | _ | ror_ps | _ | Jansen | |
| ## | | 9 | jansd001 galvf001 | т | | Galvis | 2 |
| ## | | 8 | galvf001 galvf001 | | | Galvis | |
| ## | | 8 | urenr001 | | | Urena | 6 6 |
| ## | | 4 | jansd001 | 1 | | Jansen | 2 |
| ## | | 8 | galvf001 | т | · | Galvis | 6 |
| ## | | 6 | urenr001 | | • | l Urena | 5 |
| ## | | 3 | galvf001 | | | Galvis | 6 |
| ## | | | urenr001 | | • | | |
| ## | | 6 2 | mckib001 | | | l Urena :Kinney | 4 9 |
| ## | | 4 | urenr001 | | • | l Urena | 5 |
| | 12 | 4 | hansa001 | ı | | Hanson | 3 |
| | 13 | 5 | gurrl001 | Ιοι | | urriel | 4 |
| | 14 | 5 | hansa001 | LOC | | Hanson | 4 |
| ππ | 1-T | 3 | nansaooi | | VICII | 110011011 | 4 |

| ## 1 | 15 3 | hansa001 | Alen Hanson | 9 |
|--------------|-------|----------------------|-----------------------------------|-----|
| | 16 9 | drurb001 | Brandon Drury | 5 |
| | 17 4 | jansd001 | Danny Jansen | 10 |
| | 18 4 | brits001 | Socrates Brito | 8 |
| | 19 5 | mckib001 | Billy McKinney | 9 |
| ## 2 | | mckib001 | Billy McKinney | 9 |
| ## 2 | | brits001 | Socrates Brito | 8 |
| ## 2 | | mckib001 | Billy McKinney | 9 |
| ## 2 | | jansd001 | Danny Jansen | 2 |
| ## 2 | | brits001 | Socrates Brito | 8 |
| ## 2 | | urenr001 | Richard Urena | 6 |
| | 26 7 | drurb001 | Brandon Drury | 4 |
| ## 2 | | jansd001 | Danny Jansen | 2 |
| | 28 4 | brits001 | Socrates Brito | 9 |
| | 29 9 | hernt002 | | 7 |
| | 30 9 | hernt002 | | 7 |
| | 31 7 | jansd001 | Danny Jansen | 2 |
| | 32 9 | hernt002 | Teoscar Hernandez | 7 |
| ## 3 | | | | 2 |
| ## 3 | | jansd001 hernt002 | Danny Jansen Teoscar Hernandez | 7 |
| ## 3 | | hernt002 | | 7 |
| ## 3 | | hernt002 | Teoscar Hernandez | 7 |
| ## 3 | | brits001 | Socrates Brito | 9 |
| ## 3 | | | | 2 |
| ## 3 | | jansd001 | Danny Jansen | 9 |
| | | mckib001 | Billy McKinney | 2 |
| ## 4 ## 4 | | jansd001 | Danny Jansen | 2 |
| ## 4 | | jansd001 | Danny Jansen Luke Maile | 2 |
| ## 4 | | maill001 | | 8 |
| | | davij007 | Jonathan Davis | 7 |
| ## 4 | | mckib001 | Billy McKinney | |
| ## 4 | | urenr001 | Richard Urena | 4 2 |
| ## 4 | | jansd001 | Danny Jansen | |
| ## 4 | | urenr001 | Richard Urena | 4 2 |
| ## 4 | | jansd001 | Danny Jansen | |
| ## 4 | | davij007 | Jonathan Davis | 8 |
| ## 5 | | jansd001 | Danny Jansen | 2 |
| ## 5 | | biggc002 | Cavan Biggio | 4 |
| | 52 4 | davij007 | Jonathan Davis | 8 |
| | 53 4 | drurb001 | Brandon Drury | 9 |
| | 54 10 | davij007 | Jonathan Davis | 8 |
| | 55 6 | jansd001 | Danny Jansen | 2 |
| | 56 5 | jansd001 | Danny Jansen | 2 |
| | 57 8 | maill001 | Luke Maile | 2 |
| | 58 2 | davij007 | Jonathan Davis | 8 |
| | 59 6 | maill001 | Luke Maile | 2 |
| | 7 | galvf001 | Freddy Galvis | 6 |
| | 61 4 | galvf001 | Freddy Galvis | 6 |
| | 6 | drurb001 | Brandon Drury | 9 |
| | 8 | galvf001 | Freddy Galvis | 6 |
| | 8 | drurb001 | Brandon Drury | 6 |
| | 65 | jansd001 | Danny Jansen | 2 |
| | 66 6 | jansd001 | Danny Jansen | 2 |
| | 67 10 | galvf001 | Freddy Galvis | 6 |
| ## 6 | 68 9 | galvf001 | Freddy Galvis | 6 |

| ## | | 6 | drurb001 | Brandon Drury | 9 |
|----|-----|--------|----------|-------------------------------|----|
| ## | 70 | 3 | jansd001 | Danny Jansen | 2 |
| ## | 71 | 9 | galvf001 | Freddy Galvis | 6 |
| ## | 72 | 6 | drurb001 | Brandon Drury | 4 |
| ## | 73 | 6 | jansd001 | Danny Jansen | 2 |
| ## | 74 | 2 | tellr001 | Rowdy Tellez | 3 |
| ## | 75 | 3 | galvf001 | Freddy Galvis | 6 |
| ## | 76 | 2 | mckib001 | Billy McKinney | 3 |
| ## | 77 | 6 | tellr001 | Rowdy Tellez | 3 |
| ## | 78 | 3 | drurb001 | Brandon Drury | 5 |
| ## | 79 | 6 | mckib001 | Billy McKinney | 9 |
| ## | 80 | 9 | galvf001 | Freddy Galvis | 6 |
| ## | | 6 | drurb001 | Brandon Drury | 5 |
| ## | | 9 | galvf001 | Freddy Galvis | 6 |
| ## | | 8 | drurb001 | Brandon Drury | 5 |
| ## | | 6 | drurb001 | Brandon Drury | 9 |
| ## | | 8 | galvf001 | Freddy Galvis | 6 |
| ## | | | drurb001 | • | 9 |
| | 87 | 6 2 | tellr001 | Brandon Drury | 3 |
| | | | | Rowdy Tellez | 2 |
| | 88 | 8 | jansd001 | Danny Jansen | |
| | 89 | 7 | tellr001 | Rowdy Tellez | 10 |
| | 90 | 9 | hernt002 | Teoscar Hernandez | 8 |
| ## | | 2 | tellr001 | Rowdy Tellez | 10 |
| ## | | 9 | jansd001 | Danny Jansen | 2 |
| ## | 93 | 3 | drurb001 | Brandon Drury | 5 |
| ## | 94 | 9 | jansd001 | Danny Jansen | 2 |
| ## | 95 | 2 | mckib001 | Billy McKinney | 9 |
| ## | 96 | 6 | hernt002 | Teoscar Hernandez | 8 |
| ## | 97 | 6 | hernt002 | Teoscar Hernandez | 8 |
| ## | 98 | 8 | biggc002 | Cavan Biggio | 4 |
| ## | 99 | 2 | mckib001 | Billy McKinney | 9 |
| ## | 100 | 4 | hernt002 | Teoscar Hernandez | 8 |
| ## | 101 | 8 | drurb001 | Brandon Drury | 5 |
| ## | 102 | 8 | jansd001 | Danny Jansen | 2 |
| ## | 103 | 8 | mckib001 | Billy McKinney | 7 |
| ## | 104 | 2 | hernt002 | Teoscar Hernandez | 8 |
| ## | 105 | 2 | drurb001 | Brandon Drury | 3 |
| ## | 106 | 2 | drurb001 | Brandon Drury | 3 |
| ## | 107 | 9 | hernt002 | Teoscar Hernandez | 8 |
| ## | 108 | 10 | hernt002 | Teoscar Hernandez | 8 |
| ## | 109 | 8 | drurb001 | Brandon Drury | 3 |
| | 110 | 9 | drurb001 | Brandon Drury | 5 |
| ## | 111 | 8 | mckib001 | Billy McKinney | 7 |
| | 112 | 3 | fishd001 | Derek Fisher | 8 |
| | 113 | 9 | hernt002 | Teoscar Hernandez | 8 |
| | 114 | 8 | drurb001 | | 5 |
| | 114 | 9 | | Brandon Drury Derek Fisher | 8 |
| | | | fishd001 | | |
| ## | 116 | 8 | drurb001 | Brandon Drury | 3 |
| ## | 117 | 7 | hernt002 | Teoscar Hernandez | 8 |
| | 118 | 9 | fishd001 | Derek Fisher | 8 |
| | 119 | 3 | fishd001 | Derek Fisher | 7 |
| | 120 | 7 | hernt002 | Teoscar Hernandez | 8 |
| | 121 | 7 | drurb001 | Brandon Drury | 5 |
| ## | 122 | 7 | drurb001 | Brandon Drury | 3 |
| | | | | | |

| ## | 123 | 9 | drurb001 | Brandon Drury | | 7 |
|----|-----|---------------------|----------------------|---------------------------------|----------|----------|
| | 124 | 5 | fishd001 | Derek Fisher | | 7 |
| | 125 | 10 | fishd001 | Derek Fisher | | 7 |
| | 126 | 7 | mckib001 | Billy McKinney | | 9 |
| | 127 | 5 | jansd001 | Danny Jansen | | 2 |
| | 128 | 2 | fishd001 | Derek Fisher | | 7 |
| | 129 | 8 | mcgur002 | Reese McGuire | | 2 |
| | 130 | 2 | fishd001 | Derek Fisher | | 7 |
| | 131 | 4 | drurb001 | Brandon Drury | | 5 |
| | 132 | 8 | mckib001 | • | | 7 |
| | 133 | 8 | drurb001 | Billy McKinney Brandon Drury | | 5 |
| | 134 | 9 | | Reese McGuire | | 2 |
| | 135 | 8 | mcgur002 drurb001 | | | 7 |
| | | | | Brandon Drury | | |
| | 136 | 3 | fishd001 | Derek Fisher | | 7 |
| | 137 | 3 | jansd001 | Danny Jansen | | 2 |
| | 138 | 9 | drurb001 | Brandon Drury | | 7 |
| | 139 | 5 | jansd001 | Danny Jansen | | 2 |
| | 140 | 8 | taylb003 | Beau Taylor | | 2 |
| | 141 | 3 | mcgur002 | Reese McGuire | | 2 |
| | 142 | 9 | jansd001 | Danny Jansen | | 2 |
| | 143 | 8 | mckib001 | Billy McKinney | | 9 |
| | 144 | 5 | jansd001 | Danny Jansen | | 2 |
| | 145 | 2 | davij007 | Jonathan Davis | | 8 |
| | 146 | 8 | drurb001 | Brandon Drury | | 3 |
| | 147 | 2 | mckib001 | Billy McKinney | | 9 |
| | 148 | 8 | mckib001 | Billy McKinney | | 7 |
| | 149 | 4 | jansd001 | Danny Jansen | | 2 |
| | 150 | 3 | mckib001 | Billy McKinney | | 7 |
| | 151 | 8 | mckib001 | Billy McKinney | | 7 |
| | 152 | 3 | drurb001 | Brandon Drury | | 5 |
| | 153 | 2 | tellr001 | Rowdy Tellez | | 3 |
| | 154 | 3 | jansd001 | Danny Jansen | | 2 |
| | 155 | 3 | urenr001 | Richard Urena | | 6 |
| | 156 | 6 | drurb001 | Brandon Drury | | 5 |
| ## | 157 | 6 | davij007 | Jonathan Davis | | 8 |
| | 158 | 3 | alfoa002 | Anthony Alford | | 8 |
| | 159 | 5 | fishd001 | Derek Fisher | | 7 |
| ## | 160 | 8 | urenr001 | Richard Urena | | 6 |
| ## | 161 | 7 | jansd001 | Danny Jansen | | 2 |
| ## | 162 | 6 | davij007 | Jonathan Davis | | 8 |
| ## | | tor_batting_9_id to | _ | tor_batting_9_pos | galvf001 | bichb001 |
| ## | 1 | galvf001 | Freddy Galvis | 6 | 1 | 0 |
| ## | 2 | maill001 | Luke Maile | 2 | 1 | 0 |
| ## | 3 | urenr001 | Richard Urena | 4 | 1 | 0 |
| ## | 4 | maill001 | Luke Maile | 2 | 0 | 0 |
| ## | 5 | galvf001 | Freddy Galvis | 6 | 1 | 0 |
| ## | 6 | urenr001 | Richard Urena | 4 | 1 | 0 |
| ## | 7 | maill001 | Luke Maile | 2 | 1 | 0 |
| ## | 8 | hansa001 | Alen Hanson | 4 | 1 | 0 |
| ## | 9 | maill001 | Luke Maile | 2 | 1 | 0 |
| ## | 10 | gurrl001 | Lourdes Gurriel | 4 | 1 | 0 |
| ## | 11 | jansd001 | Danny Jansen | 2 | 1 | 0 |
| ## | 12 | mckib001 | Billy McKinney | 9 | 1 | 0 |
| ## | 13 | brits001 | Socrates Brito | 9 | 1 | 0 |
| | | | | | | |

| ## | 1/1 | maill001 | Luke Maile | 2 | 1 | 0 |
|----|-----|----------|----------------|---|---|---|
| ## | | maill001 | Luke Maile | 2 | 1 | 0 |
| | 16 | jansd001 | Danny Jansen | 2 | 1 | 0 |
| | | 3 | • | | | |
| | 17 | mail1001 | Luke Maile | 2 | 1 | 0 |
| | 18 | jansd001 | Danny Jansen | 2 | 1 | 0 |
| | 19 | maill001 | Luke Maile | 2 | 1 | 0 |
| ## | | jansd001 | Danny Jansen | 2 | 1 | 0 |
| ## | | jansd001 | Danny Jansen | 2 | 1 | 0 |
| ## | | maill001 | Luke Maile | 2 | 1 | 0 |
| ## | | mckib001 | Billy McKinney | 9 | 1 | 0 |
| | 24 | maill001 | Luke Maile | 2 | 0 | 0 |
| ## | | hansa001 | Alen Hanson | 9 | 0 | 0 |
| | 26 | jansd001 | Danny Jansen | 2 | 0 | 0 |
| | 27 | hansa001 | Alen Hanson | 9 | 0 | 0 |
| | 28 | maill001 | Luke Maile | 2 | 0 | 0 |
| | 29 | maill001 | Luke Maile | 2 | 1 | 0 |
| | 30 | jansd001 | Danny Jansen | 2 | 1 | 0 |
| ## | | hansa001 | Alen Hanson | 9 | 1 | 0 |
| ## | | maill001 | Luke Maile | 2 | 1 | 0 |
| ## | | brits001 | Socrates Brito | 9 | 1 | 0 |
| ## | | jansd001 | Danny Jansen | 2 | 1 | 0 |
| ## | 35 | jansd001 | Danny Jansen | 2 | 1 | 0 |
| ## | 36 | maill001 | Luke Maile | 2 | 1 | 0 |
| ## | 37 | maill001 | Luke Maile | 2 | 1 | 0 |
| ## | 38 | davij007 | Jonathan Davis | 8 | 1 | 0 |
| ## | 39 | maill001 | Luke Maile | 2 | 1 | 0 |
| ## | 40 | davij007 | Jonathan Davis | 8 | 1 | 0 |
| ## | 41 | thort002 | Trent Thornton | 1 | 1 | 0 |
| ## | 42 | jacke001 | Edwin Jackson | 1 | 1 | 0 |
| ## | 43 | jansd001 | Danny Jansen | 2 | 1 | 0 |
| ## | 44 | jansd001 | Danny Jansen | 2 | 1 | 0 |
| ## | 45 | maill001 | Luke Maile | 2 | 1 | 0 |
| ## | 46 | davij007 | Jonathan Davis | 8 | 1 | 0 |
| ## | 47 | maill001 | Luke Maile | 2 | 1 | 0 |
| ## | 48 | drurb001 | Brandon Drury | 4 | 1 | 0 |
| ## | 49 | maill001 | Luke Maile | 2 | 1 | 0 |
| ## | 50 | davij007 | Jonathan Davis | 8 | 1 | 0 |
| ## | 51 | jansd001 | Danny Jansen | 2 | 1 | 0 |
| ## | 52 | maill001 | Luke Maile | 2 | 1 | 0 |
| ## | 53 | jansd001 | Danny Jansen | 2 | 1 | 0 |
| ## | 54 | maill001 | Luke Maile | 2 | 1 | 0 |
| ## | 55 | davij007 | Jonathan Davis | 8 | 0 | 0 |
| ## | 56 | davij007 | Jonathan Davis | 8 | 1 | 0 |
| ## | 57 | jacke001 | Edwin Jackson | 1 | 1 | 0 |
| ## | 58 | strom001 | Marcus Stroman | 1 | 1 | 0 |
| ## | 59 | sanca006 | Aaron Sanchez | 1 | 1 | 0 |
| ## | 60 | jansd001 | Danny Jansen | 2 | 1 | 0 |
| ## | 61 | jansd001 | Danny Jansen | 2 | 1 | 0 |
| | 62 | maill001 | Luke Maile | 2 | 1 | 0 |
| | 63 | jansd001 | Danny Jansen | 2 | 1 | 0 |
| | 64 | maill001 | Luke Maile | 2 | 0 | 0 |
| | 65 | drurb001 | Brandon Drury | 5 | 1 | 0 |
| | 66 | drurb001 | Brandon Drury | 5 | 1 | 0 |
| ## | | maill001 | Luke Maile | 2 | 1 | 0 |
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| ## | | jansd001 maill001 | Danny Jansen | 2 2 | 1 | 0 |
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| | 70 | drurb001 | Brandon Drury | 5 2 | 1 | 0 |
| | 71 72 | jansd001 maill001 | Danny Jansen Luke Maile | 2 | 1 | 0 |
| | 73 | drurb001 | | 5 | | 0 |
| | | | Brandon Drury | | 1 | 0 |
| | 74 | drurb001 | Brandon Drury Luke Maile | 9 2 | 1 | 0 |
| | 75 76 | maill001 drurb001 | | | 1 | 0 |
| | 76 77 | | Brandon Drury Luke Maile | 5 | 1 | 0 |
| ## | 77 | mail1001 | | 2 | 1 | 0 |
| ## | 78 | jansd001 | Danny Jansen | 2 | 1 | 0 |
| ## | 79 | mail1001 | Luke Maile | 2 | 1 | 0 |
| ## | 80 | jansd001 | Danny Jansen | 2 | 1 | 0 |
| ## | 81 | jansd001 | Danny Jansen | 2 | 1 | 0 |
| ## | 82 | jansd001 | Danny Jansen | 2 | 1 | 0 |
| ## | 83 | jansd001 | Danny Jansen | 2 | 1 | 0 |
| ## | 84 | maill001 | Luke Maile | 2 | 1 | 0 |
| ## | 85 | jansd001 | Danny Jansen | 2 | 1 | 0 |
| ## | 86 | jansd001 | Danny Jansen | 2 | 1 | 0 |
| ## | 87 | drurb001 | Brandon Drury | 9 | 1 | 0 |
| ## | 88 | drurb001 | Brandon Drury | 5 | 1 | 0 |
| ## | 89 | hernt002 | Teoscar Hernandez | 8 | 1 | 0 |
| | 90 | maill001 | Luke Maile | 2 | 1 | 0 |
| | 91 | hernt002 | Teoscar Hernandez | 8 | 1 | 0 |
| ## | 92 | hernt002 | Teoscar Hernandez | 8 | 1 | 0 |
| | 93 | maill001 | Luke Maile | 2 | 1 | 0 |
| | 94 | hernt002 | Teoscar Hernandez | 8 | 1 | 0 |
| ## | 95 | drurb001 | Brandon Drury | 5 | 1 | 0 |
| ## | 96 | mckib001 | Billy McKinney | 7 | 1 | 0 |
| | 97 | maill001 | Luke Maile | 2 | 1 | 0 |
| ## | 98 | drurb001 | Brandon Drury | 5 | 1 | 0 |
| | 99 | hernt002 | Teoscar Hernandez | 8 | 1 | 0 |
| | 100 | drurb001 | Brandon Drury | 3 | 1 | 0 |
| | 101 | maill001 | Luke Maile | 2 | 1 | 0 |
| | 102 | mckib001 | Billy McKinney | 9 | 1 | 0 |
| | 103 | maill001 | Luke Maile | 2 | 1 | 0 |
| | 104 | drurb001 | Brandon Drury | 5 | 1 | 0 |
| ## | 105 | hernt002 | Teoscar Hernandez | 8 | 1 | 0 |
| ## | 106 | hernt002 | Teoscar Hernandez | 8 | 1 | 0 |
| ## | 107 | mcgur002 | Reese McGuire | 2 | 1 | 0 |
| ## | 108 | jansd001 | Danny Jansen | 2 | 0 | 1 |
| ## | 109 | jansd001 | Danny Jansen | 2 | 1 | 1 |
| ## | 110 | mcgur002 | Reese McGuire | 2 | 1 | 1 |
| ## | 111 | jansd001 | Danny Jansen | 2 | 1 | 1 |
| | 112 | jansd001 | Danny Jansen | 2 | 1 | 1 |
| ## | 113 | mcgur002 | Reese McGuire | 2 | 1 | 1 |
| ## | 114 | jansd001 | Danny Jansen | 2 | 0 | 1 |
| ## | 115 | mcgur002 | Reese McGuire | 2 | 1 | 1 |
| | 116 | jansd001 | Danny Jansen | 2 | 1 | 1 |
| ## | 117 | mcgur002 | Reese McGuire | 2 | 1 | 1 |
| ## | 118 | mcgur002 | Reese McGuire | 2 | 1 | 1 |
| | 119 | jansd001 | Danny Jansen | 2 | 1 | 1 |
| ## | 120 | jansd001 | Danny Jansen | 2 | 1 | 1 |
| ## | 121 | mcgur002 | Reese McGuire | 2 | 1 | 1 |
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| | 122 | - | sd001 | Danny Janse | | | 2 | 0 | 1 |
| | 123 | _ | ur002 | Reese McGuir | | | 2 | 0 | 1 |
| ## | 124 | J | sd001 | Danny Janse | | | 2 | 0 | 1 |
| ## | 125 | Ū | sd001 | Danny Janse | | | 2 | 0 | 1 |
| ## | 126 | _ | ur002 | Reese McGuii | | | 2 | 0 | 1 |
| ## | 127 | | ib001 | Billy McKinne | • | | 7 | 0 | 1 |
| ## | 128 | | hb001 | Buddy Bosher | | | 1 | 0 | 1 |
| ## | 129 | | tw001 | Wilmer For | | | 1 | 0 | 1 |
| ## | 130 | _ | uj001 | Jacob Waguespa | | | 1 | 0 | 1 |
| ## | 131 | _ | ur002 | Reese McGuir | | | 2 | 0 | 1 |
| ## | 132 | • | sd001 | Danny Janse | | | 2 | 0 | 1 |
| ## | 133 | _ | ur002 | Reese McGuir | | | 2 | 0 | 1 |
| ## | 134 | | hd001 | Derek Fishe | | | 7 | 0 | 1 |
| ## | 135 | Ū | sd001 | Danny Janse | | | 2 | 0 | 1 |
| ## | 136 | _ | ur002 | Reese McGui | | | 2 | 0 | 1 |
| ## | 137 | | hd001 | Derek Fishe | | | 7 | 0 | 1 |
| ## | 138 | _ | ur002 | Reese McGui | | | 2 | 0 | 1 |
| | 139 | _ | uj001 | Jacob Waguespa | | | 1 | 0 | 1 |
| ## | 140 | | tw001 | Wilmer For | nt | | 1 | 0 | 1 |
| ## | 141 | | hd001 | Derek Fishe | | | 7 | 0 | 1 |
| ## | 142 | alf | oa002 | Anthony Alfor | rd | | 7 | 0 | 1 |
| ## | 143 | fis | hd001 | Derek Fishe | er | | 7 | 0 | 1 |
| ## | 144 | ure | nr001 | Richard Ure | ıa | | 4 | 0 | 1 |
| ## | 145 | fis | hd001 | Derek Fishe | | | 7 | 0 | 1 |
| ## | 146 | jan | sd001 | Danny Janse | en | | 2 | 0 | 1 |
| ## | 147 | fis | hd001 | Derek Fishe | er | | 7 | 0 | 1 |
| ## | 148 | | nr001 | Richard Ure | ıa | | 6 | 0 | 1 |
| ## | 149 | dav | ij007 | Jonathan Dav | is | | 8 | 0 | 1 |
| ## | 150 | | nr001 | Richard Ure | | | 5 | 0 | 1 |
| ## | 151 | jan | sd001 | Danny Janse | en | | 2 | 0 | 1 |
| ## | 152 | fis | hd001 | Derek Fishe | er | | 7 | 0 | 1 |
| ## | 153 | fis | hd001 | Derek Fishe | er | | 9 | 0 | 1 |
| ## | 154 | ure | nr001 | Richard Ure | ıa | | 6 | 0 | 0 |
| ## | 155 | mai | 11001 | Luke Mail | Le | | 2 | 0 | 0 |
| ## | 156 | fis | hd001 | Derek Fishe | er | | 7 | 0 | 0 |
| ## | 157 | jan | sd001 | Danny Janse | en | | 2 | 0 | 0 |
| | 158 | | hd001 | Derek Fishe | | | 7 | 0 | 0 |
| | 159 | | 11001 | Luke Mail | | | 2 | 0 | 0 |
| | 160 | | hd001 | Derek Fishe | | | 7 | 0 | 0 |
| | 161 | | nr001 | Richard Ure | | | 6 | 0 | 0 |
| | 162 | | 11001 | Luke Mail | | | 2 | 0 | 0 |
| ## | | _ | | pillk001 hernt00 | | davij007 | _ | | smoaj001 |
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| | 7 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 |
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| ## | 12 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 |

| ## | 13 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
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| ## | 14 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 |
| | 15 | 1 | 0 | 0 | 1 | 0 | 1 | | 1 |
| | 16 | 1 | 0 | 0 | 0 | 0 | 1 | | 1 |
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| | 17 | 0 | 0 | 0 | 1 | 0 | 1 | | 1 |
| ## | 18 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 |
| ## | 19 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 |
| ## | 20 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 |
| ## | 21 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 |
| | 22 | 0 | 0 | 0 | 1 | 0 | 1 | | 1 |
| | 23 | 0 | 0 | 0 | 1 | 0 | 1 | | 1 |
| | 24 | | 0 | | | | | | |
| | | 0 | | 0 | 0 | 0 | 1 | | 1 |
| | 25 | 0 | 0 | 0 | 1 | 0 | 1 | | 1 |
| | 26 | 0 | 0 | 0 | 1 | 0 | 1 | | 1 |
| ## | 27 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 |
| ## | 28 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| ## | 29 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 |
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| | | 0 | | 0 | 1 | 0 | 1 | | 1 |
| ## | | 0 | 0 | 0 | 0 | 0 | 1 | | 1 |
| ## | | 0 | 0 | 0 | 1 | 0 | 1 | | 1 |
| ## | 35 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 |
| ## | 36 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 |
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| ## | 43 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| ## | 44 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
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| ## | | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 |
| ## | 53 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| ## | 54 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| ## | | 1 | 0 | 0 | 0 | 1 | 1 | | 1 |
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| ## | 61 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 |
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| ## | | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |
| | 100 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| | 101 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 |
| ## | 102 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| ## | 103 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 |
| ## | 104 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 |
| | 105 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 |
| ## | 106 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| ## | 107 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |
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| ## | 109 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
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| ## | 111 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 |
| ## | 112 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| ## | 113 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| ## | 114 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 1 |
| ## | 115 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 |
| ## | 116 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| ## | 117 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| | 118 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 |
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| | 121 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
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| | 127 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 |
| | 128 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| | 129 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 |
| | 130 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 |
| | 131 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| | 132 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 |
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| | 133 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |
| | 134 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 |
| | 135 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 |
| | 136 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| | 137 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |
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| | 146 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 |
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| | 148 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 |
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| ## ## ## | 154 155 156 | 1 1 1 0 | 1 0 0 1 | 0 0 0 0 | 0 1 1 0 | 0 0 1 0 | 1 1 1 1 | 0 0 0 1 | 1 1 0 1 |
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| ## ## ## ## ## | 154 155 156 157 158 | 1 1 1 0 0 | 1 0 0 1 0 | 0 0 0 0 0 | 0 1 1 0 1 | 0 0 1 0 1 | 1 1 1 1 1 | 0 0 0 1 1 | 1 1 0 1 0 |
| ## ## ## ## ## | 154 155 156 157 158 159 | 1 1 1 0 0 0 | 1 0 0 1 0 1 1 | 0 0 0 0 0 | 0 1 1 0 1 0 | 0 0 1 0 1 0 | 1 1 1 1 1 1 0 | 0 0 0 1 1 0 | 1 1 0 1 0 0 |
| ## ## ## ## ## ## | 154 155 156 157 158 159 160 | 1 1 1 0 0 0 0 | 1 0 0 1 0 1 1 | 0 0 0 0 0 0 | 0 1 1 0 1 0 1 | 0 0 1 0 1 0 0 | 1 1 1 1 1 1 0 | 0 0 0 1 1 0 1 | 1 1 0 1 0 0 0 |
| ## ## ## ## ## ## | 154 155 156 157 158 159 160 161 | 1 1 0 0 0 0 0 0 | 1 0 0 1 0 1 1 1 0 0 | 0 0 0 0 0 0 0 | 0 1 1 0 1 0 1 1 1 | 0 0 1 0 1 0 0 0 0 | 1 1 1 1 1 1 0 1 1 | 0 0 0 1 1 0 1 1 0 | 1 0 1 0 0 0 0 0 |
| ## ## ## ## ## ## | 154 155 156 157 158 159 160 161 162 | 1 1 0 0 0 0 0 0 | 1 0 0 1 0 1 1 1 0 0 | 0 0 0 0 0 0 0 | 0 1 1 0 1 0 1 1 1 | 0 0 1 0 1 0 0 0 0 | 1 1 1 1 1 1 0 1 | 0 0 0 1 1 0 1 1 0 | 1 0 1 0 0 0 0 0 |
| ## ## ## ## ## ## ## | 154 155 156 157 158 159 160 161 162 | 1 1 0 0 0 0 0 0 0 0 tellr001 | 1 0 0 1 0 1 1 1 0 0 sosae001 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 1 0 1 0 1 1 1 1 guerv002 | 0 0 1 0 1 0 0 0 0 0 1 drurb001 | 1 1 1 1 1 0 1 1 1 1 1 1 1 1 | 0 0 1 1 0 1 1 0 maill001 | 1 1 0 1 0 0 0 0 0 1 1 1 mcgur002 |
| ## ## ## ## ## ## ## | 154 155 156 157 158 159 160 161 162 | 1 1 0 0 0 0 0 0 0 0 tellr001 | 1 0 0 1 0 1 1 1 0 0 sogae001 | 0 0 0 0 0 0 0 0 0 0 biggc002 0 | 0 1 0 1 0 1 1 1 1 guerv002 | 0 0 1 0 1 0 0 0 0 0 1 drurb001 | 1 1 1 1 1 0 1 1 1 jansd001 | 0 0 1 1 0 1 0 0 maill001 | 1 1 0 1 0 0 0 0 1 1 1 mcgur002 |
| ## ## ## ## ## ## ## | 154 155 156 157 158 159 160 161 162 1 | 1 1 0 0 0 0 0 0 0 tellr001 1 | 1 0 0 1 0 1 1 1 0 0 0 sogae001 | 0 0 0 0 0 0 0 0 0 0 biggc002 | 0 1 0 1 0 1 1 1 1 guerv002 0 0 | 0 0 1 0 1 0 0 0 0 1 drurb001 1 | 1 1 1 1 1 0 1 1 1 jansd001 | 0 0 1 1 0 1 1 0 0 maill001 | 1 1 0 1 0 0 0 0 1 1 1 mcgur002 |
| ## ## ## ## ## ## ## ## | 154 155 156 157 158 159 160 161 162 1 2 3 4 | 1 1 0 0 0 0 0 0 tellr001 1 | 1 0 0 1 0 1 1 1 0 0 sogae001 0 | 0 0 0 0 0 0 0 0 0 biggc002 0 0 | 0 1 1 0 1 0 1 1 1 1 guerv002 0 0 | 0 0 1 0 1 0 0 0 0 1 drurb001 1 1 | 1 1 1 1 1 0 1 1 jansd001 1 0 | 0 0 1 1 0 1 0 0 maill001 0 | 1 1 0 1 0 0 0 0 1 1 1 mcgur002 0 0 |
| ###################################### | 154 155 156 157 158 159 160 161 162 1 2 3 4 5 | 1 1 0 0 0 0 0 0 tellr001 1 0 1 | 1 0 0 1 0 1 1 1 0 0 0 sogae001 0 0 | 0 0 0 0 0 0 0 0 0 biggc002 0 0 | 0 1 1 0 1 0 1 1 1 1 guerv002 0 0 | 0 0 1 0 1 0 0 0 0 1 drurb001 1 1 1 | 1 1 1 1 1 0 1 1 jansd001 1 0 | 0 0 1 1 0 1 1 0 0 maill001 0 1 0 | 1 0 1 0 0 0 0 0 1 1 1 mcgur002 0 0 0 |
| ## ## ## ## ## ## ## ## ## ## ## ## ## | 154 155 156 157 158 159 160 161 162 1 2 3 4 5 6 | 1 1 0 0 0 0 0 0 0 tellr001 1 0 1 | 1 0 0 1 0 1 1 1 1 0 0 0 sogae001 0 0 0 | 0 0 0 0 0 0 0 0 0 biggc002 0 0 0 | 0 1 1 0 1 0 1 1 1 1 guerv002 0 0 0 | 0 0 1 0 1 0 0 0 0 1 drurb001 1 1 1 1 | 1 1 1 1 1 0 1 1 jansd001 1 0 1 1 | 0 0 1 1 0 1 1 0 0 maill001 0 1 0 | 1 1 0 1 0 0 0 0 0 1 1 1 mcgur002 0 0 0 0 |
| ## ## ## ## ## ## ## ## ## ## ## ## ## | 154 155 156 157 158 159 160 161 162 1 2 3 4 5 6 7 | 1 1 0 0 0 0 0 0 tellr001 1 0 1 1 | 1 0 0 1 0 1 1 1 1 0 0 0 sogae001 0 0 0 | 0 0 0 0 0 0 0 0 0 biggc002 0 0 0 | 0 1 1 0 1 0 1 1 1 1 guerv002 0 0 0 0 | 0 0 1 0 1 0 0 0 0 1 drurb001 1 1 1 1 1 | 1 1 1 1 1 0 1 1 jansd001 1 1 1 1 | 0 0 1 1 0 1 1 0 0 maill001 0 1 0 0 | 1 1 0 0 0 0 0 0 1 1 1 mcgur002 0 0 0 0 0 |
| ###################################### | 154 155 156 157 158 159 160 161 162 1 2 3 4 5 6 7 8 | 1 1 0 0 0 0 0 0 tellr001 1 0 1 1 1 | 1 0 0 1 0 1 1 1 0 0 0 sogae001 0 0 0 0 | 0 0 0 0 0 0 0 0 0 biggc002 0 0 0 | 0 1 1 0 1 0 1 1 1 1 guerv002 0 0 0 0 0 | 0 0 1 0 0 0 0 0 1 drurb001 1 1 1 1 1 0 | 1 1 1 1 1 0 1 1 jansd001 1 1 1 1 1 1 0 | 0 0 0 1 1 1 0 0 0 maill001 0 1 0 0 | 1 1 0 0 0 0 0 0 1 1 1 mcgur002 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |
| ###################################### | 154 155 156 157 158 159 160 161 162 1 2 3 4 5 6 7 8 9 | 1 1 0 0 0 0 0 0 tellr001 1 0 1 1 1 1 | 1 0 0 1 1 1 1 0 0 0 sogae001 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 biggc002 0 0 0 0 | 0 1 1 0 1 0 1 1 1 1 guerv002 0 0 0 0 0 | 0 0 1 0 0 0 0 0 1 drurb001 1 1 1 1 1 1 | 1 1 1 1 1 0 1 1 jansd001 1 1 1 1 0 1 1 0 1 0 1 1 1 0 0 1 1 1 1 0 1 1 1 0 0 1 1 0 0 1 1 1 0 0 1 1 0 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 0 0 1 0 | 0 0 0 1 1 1 0 0 maill001 0 1 0 0 | 1 0 0 0 0 0 0 1 1 mcgur002 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |
| ####################################### | 154 155 156 157 158 159 160 161 162 1 2 3 4 5 6 7 8 9 10 | 1 1 0 0 0 0 0 0 tellr001 1 0 1 1 1 1 1 | 1 0 0 1 1 1 1 0 0 0 sogae001 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 biggc002 0 0 0 0 | 0 1 1 0 1 0 1 1 1 1 guerv002 0 0 0 0 0 0 | 0 0 1 0 0 0 0 0 1 drurb001 1 1 1 1 1 1 1 1 | 1 1 1 1 1 0 1 1 jansd001 1 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 1 0 1 0 1 1 0 1 0 1 1 0 1 0 1 1 0 1 0 1 1 0 1 1 0 1 1 1 0 1 1 0 1 1 0 1 1 1 0 1 1 1 0 1 1 1 1 0 1 | 0 0 0 1 1 1 0 0 maill001 0 1 0 0 1 0 1 | 1 1 0 0 0 0 0 0 1 1 1 mcgur002 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |
| ###################################### | 154 155 156 157 158 159 160 161 162 1 2 3 4 5 6 7 8 9 10 | 1 1 0 0 0 0 0 0 tellr001 1 0 1 1 1 1 | 1 0 0 1 1 1 1 0 0 0 sogae001 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 biggc002 0 0 0 0 | 0 1 1 0 1 0 1 1 1 1 guerv002 0 0 0 0 0 | 0 0 1 0 0 0 0 0 1 drurb001 1 1 1 1 1 1 | 1 1 1 1 1 0 1 1 jansd001 1 1 1 1 0 1 1 0 1 0 1 1 1 0 0 1 1 1 1 0 1 1 1 0 0 1 1 0 0 1 1 1 0 0 1 1 0 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 0 0 1 0 | 0 0 0 1 1 1 0 0 maill001 0 1 0 0 | 1 1 0 0 0 0 0 0 1 1 1 mcgur002 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |

| ## | 12 | 0 | 0 | 0 | 0 | 1 | 1 | 0 0 |
|----|----|---|---|---|---|---|---|-----|
| ## | 13 | 1 | 0 | 0 | 0 | 1 | 1 | 0 0 |
| | | | | | | | | |
| ## | | 0 | 0 | 0 | 0 | 0 | 0 | 1 0 |
| ## | 15 | 1 | 0 | 0 | 0 | 1 | 0 | 1 0 |
| ## | 16 | 1 | 0 | 0 | 0 | 1 | 1 | 0 0 |
| ## | 17 | 0 | 0 | 0 | 0 | 1 | 1 | 1 0 |
| ## | | 1 | 1 | | | 0 | 1 | |
| | | | | 0 | 0 | | | 0 0 |
| ## | 19 | 1 | 1 | 0 | 0 | 1 | 0 | 1 0 |
| ## | 20 | 1 | 1 | 0 | 0 | 1 | 1 | 0 0 |
| ## | 21 | 0 | 1 | 0 | 0 | 1 | 1 | 0 0 |
| ## | 22 | 1 | 1 | 0 | 0 | 1 | 0 | 1 0 |
| ## | | 1 | 0 | 0 | 0 | 1 | 1 | 0 0 |
| | | | | | | | | |
| ## | | 1 | 1 | 0 | 0 | 1 | 0 | 1 0 |
| ## | 25 | 1 | 1 | 0 | 0 | 1 | 1 | 0 0 |
| ## | 26 | 1 | 1 | 0 | 1 | 1 | 1 | 0 0 |
| ## | 27 | 1 | 1 | 0 | 1 | 1 | 1 | 0 0 |
| ## | | 1 | 1 | 0 | 1 | 1 | 0 | 1 0 |
| | | | | | | | | |
| ## | | 1 | 1 | 0 | 1 | 1 | 0 | 1 0 |
| ## | | 1 | 0 | 0 | 1 | 1 | 1 | 0 0 |
| ## | 31 | 1 | 1 | 0 | 0 | 1 | 1 | 0 0 |
| ## | 32 | 1 | 1 | 0 | 1 | 1 | 0 | 1 0 |
| ## | 33 | 1 | 1 | 0 | 1 | 0 | 1 | 0 0 |
| ## | | 1 | 1 | 0 | 1 | 1 | 1 | 0 0 |
| | | | | | | | | |
| ## | | 1 | 1 | 0 | 1 | 1 | 1 | 0 0 |
| ## | 36 | 1 | 0 | 0 | 1 | 1 | 0 | 1 0 |
| ## | 37 | 1 | 1 | 0 | 0 | 1 | 0 | 1 0 |
| ## | 38 | 1 | 1 | 0 | 1 | 0 | 1 | 0 0 |
| ## | | 1 | 1 | 0 | 1 | 0 | 0 | 1 0 |
| | | | | | | | | |
| ## | | 1 | 0 | 0 | 1 | 1 | 1 | 0 0 |
| ## | | 0 | 1 | 0 | 1 | 0 | 1 | 0 0 |
| ## | 42 | 1 | 0 | 0 | 1 | 1 | 0 | 1 0 |
| ## | 43 | 0 | 1 | 0 | 1 | 1 | 1 | 0 0 |
| ## | 44 | 1 | 1 | 0 | 1 | 1 | 1 | 0 0 |
| ## | | 1 | 0 | 0 | 1 | 1 | 0 | 1 0 |
| | | | | | | | | |
| ## | | 1 | 1 | 0 | 1 | 0 | 1 | 0 0 |
| ## | 47 | 0 | 0 | 0 | 0 | 1 | 1 | 1 0 |
| ## | 48 | 1 | 0 | 0 | 1 | 1 | 1 | 0 0 |
| ## | 49 | 1 | 1 | 0 | 1 | 1 | 0 | 1 0 |
| ## | | 1 | 1 | 0 | 1 | 1 | 1 | 0 0 |
| ## | | 1 | 0 | 1 | 1 | 1 | 1 | 0 0 |
| | | | | | | | | |
| ## | | 1 | 0 | 1 | 1 | 0 | 0 | 1 0 |
| ## | | 0 | 1 | 1 | 1 | 1 | 1 | 0 0 |
| ## | 54 | 1 | 1 | 1 | 1 | 0 | 0 | 1 0 |
| ## | 55 | 1 | 1 | 0 | 1 | 1 | 1 | 0 0 |
| ## | | 1 | 1 | 0 | 0 | 1 | 1 | 0 0 |
| | | | 0 | | | 0 | 0 | |
| ## | | 1 | | 1 | 1 | | | 1 0 |
| ## | | 0 | 0 | 1 | 1 | 0 | 1 | 0 0 |
| ## | | 0 | 1 | 1 | 1 | 1 | 0 | 1 0 |
| ## | 60 | 1 | 1 | 1 | 1 | 0 | 1 | 0 0 |
| ## | | 0 | 0 | 1 | 1 | 1 | 1 | 0 0 |
| ## | | 0 | 1 | 0 | 1 | 1 | 0 | 1 0 |
| | | | | | | | | |
| ## | | 1 | 1 | 1 | 1 | 0 | 1 | 0 0 |
| ## | | 1 | 0 | 1 | 1 | 1 | 0 | 1 0 |
| ## | 65 | 0 | 1 | 1 | 0 | 1 | 1 | 0 0 |

| шш | CC | 0 | 4 | 0 | 1 | 4 | 1 | 0 |
|----|-----|---|---|---|---|---|---|-----|
| ## | | 0 | 1 | 0 | 1 | 1 | 1 | 0 0 |
| ## | | 1 | 0 | 1 | 1 | 0 | 0 | 1 0 |
| ## | | 1 | 1 | 1 | 1 | 0 | 1 | 0 0 |
| ## | | 1 | 0 | 1 | 1 | 1 | 0 | 1 0 |
| ## | | 1 | 1 | 1 | 0 | 1 | 1 | 0 0 |
| ## | 71 | 1 | 1 | 1 | 1 | 0 | 1 | 0 0 |
| ## | 72 | 1 | 1 | 1 | 1 | 1 | 0 | 1 0 |
| ## | 73 | 1 | 1 | 1 | 1 | 1 | 1 | 0 0 |
| ## | 74 | 1 | 1 | 1 | 1 | 1 | 1 | 0 0 |
| ## | 75 | 1 | 1 | 1 | 1 | 0 | 0 | 1 0 |
| ## | 76 | 0 | 1 | 0 | 1 | 1 | 1 | 0 0 |
| ## | 77 | 1 | 1 | 1 | 1 | 0 | 0 | 1 0 |
| ## | 78 | 1 | 1 | 1 | 1 | 1 | 1 | 0 0 |
| ## | | 1 | 1 | 1 | 1 | 0 | 0 | 1 0 |
| ## | | 1 | 1 | 1 | 1 | 0 | 1 | 0 0 |
| ## | | 1 | 0 | 1 | 1 | 1 | 1 | 0 0 |
| ## | | 0 | 1 | 1 | 1 | 0 | 1 | 0 0 |
| ## | | 0 | 1 | 1 | 1 | 1 | 1 | 0 0 |
| ## | | 1 | 1 | 1 | 0 | 1 | 0 | 1 0 |
| ## | | | | 1 | | | | |
| ## | | 1 | 1 | | 1 | 0 | 1 | |
| | | 0 | 1 | 1 | 1 | 1 | 1 | 0 0 |
| ## | | 1 | 0 | 1 | 1 | 1 | 1 | 0 0 |
| ## | | 1 | 1 | 1 | 0 | 1 | 1 | 0 0 |
| ## | | 1 | 1 | 1 | 1 | 1 | 1 | 0 0 |
| ## | | 0 | 0 | 1 | 1 | 1 | 1 | 1 0 |
| ## | | 1 | 1 | 1 | 1 | 0 | 1 | 0 0 |
| ## | | 0 | 1 | 1 | 1 | 0 | 1 | 0 0 |
| ## | | 1 | 1 | 1 | 1 | 1 | 0 | 1 0 |
| ## | | 0 | 1 | 1 | 1 | 0 | 1 | 0 0 |
| ## | 95 | 0 | 1 | 1 | 0 | 1 | 1 | 0 0 |
| ## | 96 | 0 | 1 | 0 | 1 | 0 | 1 | 0 0 |
| ## | 97 | 0 | 1 | 1 | 1 | 0 | 0 | 1 0 |
| ## | | 0 | 0 | 1 | 1 | 1 | 1 | 0 0 |
| ## | 99 | 0 | 1 | 1 | 1 | 0 | 1 | 0 0 |
| ## | 100 | 0 | 1 | 1 | 1 | 1 | 1 | 0 0 |
| ## | 101 | 0 | 1 | 0 | 1 | 1 | 0 | 1 0 |
| ## | 102 | 0 | 1 | 1 | 1 | 0 | 1 | 0 0 |
| ## | 103 | 0 | 1 | 1 | 1 | 0 | 0 | 1 0 |
| ## | 104 | 0 | 1 | 0 | 1 | 1 | 1 | 0 0 |
| | 105 | 0 | 0 | 1 | 1 | 1 | 1 | 0 0 |
| | 106 | 0 | 1 | 1 | 1 | 1 | 1 | 0 0 |
| | 107 | 0 | 0 | 1 | 1 | 1 | 0 | 0 1 |
| | 108 | 0 | 0 | 1 | 1 | 1 | 1 | 0 0 |
| | 109 | 0 | 0 | 1 | 1 | 1 | 1 | 0 0 |
| | 110 | 0 | 0 | 1 | 0 | 1 | 0 | 0 1 |
| | 111 | 0 | 0 | 1 | 1 | 0 | 1 | 0 0 |
| | 112 | 0 | 0 | 1 | 1 | 1 | 1 | 0 0 |
| | 113 | 0 | 0 | 0 | 1 | 0 | 0 | 0 1 |
| | 114 | 0 | 0 | 1 | 1 | 1 | 1 | 0 0 |
| | 115 | 0 | 0 | 1 | 1 | 0 | 0 | 0 0 |
| | 116 | 0 | 0 | | | | | |
| | | | | 1 | 1 | 1 | 1 | |
| | 117 | 0 | 0 | 0 | 0 | 1 | 0 | 0 1 |
| | 118 | 0 | 0 | 1 | 1 | 0 | 0 | 0 1 |
| ## | 119 | 0 | 0 | 1 | 1 | 1 | 1 | 0 0 |

| | 120 | 0 0 | 1 1 | 0 | 1 | 0 | 0 |
|----|-----|------------------------------|-------|---|-------|----------|-------|
| ## | 121 | 0 0 | 1 0 | 1 | 0 | 0 | 1 |
| ## | 122 | 0 0 | 1 1 | 1 | 1 | 0 | 0 |
| ## | 123 | 0 0 | 1 1 | 1 | 0 | 0 | 1 |
| ## | 124 | 1 0 | 1 1 | 1 | 1 | 0 | 0 |
| ## | 125 | 0 0 | 1 1 | 1 | 1 | 0 | 0 |
| ## | 126 | 1 0 | 1 1 | 0 | 0 | 0 | 1 |
| ## | 127 | 1 0 | 1 0 | 1 | 1 | 0 | 0 |
| ## | 128 | 0 0 | 0 1 | 1 | 1 | 0 | 0 |
| ## | 129 | 1 0 | 1 0 | 1 | 0 | 0 | 1 |
| ## | 130 | 1 0 | 1 1 | 0 | 1 | 0 | 0 |
| ## | 131 | 0 0 | 1 1 | 1 | 0 | 0 | 1 |
| ## | 132 | 1 0 | 1 1 | 0 | 1 | 0 | 0 |
| ## | 133 | 1 0 | 1 1 | 1 | 0 | 0 | 1 |
| ## | 134 | 1 0 | 1 1 | 0 | 0 | 0 | 1 |
| ## | 135 | 1 0 | 1 1 | 1 | 1 | 0 | 0 |
| ## | 136 | 0 0 | 1 1 | 1 | 0 | 0 | 1 |
| ## | 137 | 1 0 | 1 1 | 1 | 1 | 0 | 0 |
| ## | 138 | 1 0 | 1 1 | 1 | 0 | 0 | 1 |
| ## | 139 | 0 0 | 1 0 | 1 | 1 | 0 | 0 |
| ## | 140 | 1 0 | 1 1 | 0 | 0 | 0 | 0 |
| ## | 141 | 1 0 | 1 1 | 0 | 0 | 0 | 1 |
| ## | 142 | 1 0 | 0 1 | 1 | 1 | 0 | 0 |
| ## | 143 | 1 0 | 1 1 | 0 | 0 | 0 | 1 |
| ## | 144 | 1 0 | 0 1 | 1 | 1 | 0 | 0 |
| ## | 145 | 1 0 | 1 1 | 0 | 0 | 0 | 1 |
| ## | 146 | 1 0 | 1 1 | 1 | 1 | 0 | 0 |
| ## | 147 | 1 0 | 1 1 | 0 | 0 | 0 | 1 |
| ## | 148 | 1 0 | 1 1 | 0 | 0 | 0 | 1 |
| ## | 149 | 0 0 | 0 1 | 1 | 1 | 0 | 0 |
| ## | 150 | 1 0 | 1 0 | 1 | 0 | 0 | 1 |
| ## | 151 | 0 0 | 1 1 | 0 | 1 | 0 | 0 |
| | 152 | 1 0 | 1 1 | 1 | 0 | 0 | 1 |
| ## | 153 | 1 0 | 1 1 | 0 | 0 | 0 | 1 |
| | 154 | 0 0 | 1 1 | 0 | 1 | 0 | 0 |
| ## | 155 | 0 0 | 1 1 | 1 | 0 | 1 | 0 |
| | 156 | 1 0 | 1 0 | | 0 | 0 | 1 |
| | 157 | 1 0 | 1 1 | | 1 | 0 | 0 |
| | 158 | 1 0 | 1 1 | | 0 | 0 | 1 |
| | 159 | 1 0 | 1 1 | | 0 | 1 | 0 |
| | 160 | 1 0 | 1 1 | | 0 | 0 | 1 |
| | 161 | 1 0 | 1 0 | | 1 | 0 | 0 |
| | 162 | 1 0 | 1 0 | | 0 | 1 | 0 |
| ## | | <pre>galvf001_ops_game</pre> | | | | fishd001 | |
| ## | | 0.000 | 0.000 | | 0.000 | | 0.000 |
| | 2 | 1.333 | 0.000 | | 0.250 | | 0.000 |
| | 3 | 0.750 | 0.000 | | 0.000 | | 0.000 |
| | 4 | 0.000 | 0.000 | | 0.000 | | 0.000 |
| ## | 5 | 1.667 | 0.000 | | 0.000 | | 0.000 |
| | 6 | 0.500 | 0.000 | | 0.000 | | 0.000 |
| | 7 | 0.000 | 0.000 | | 1.250 | | 0.000 |
| ## | | 2.000 | 0.000 | | 0.000 | | 0.000 |
| ## | | 1.667 | 0.000 | | 0.000 | | 0.000 |
| ## | 10 | 1.400 | 0.000 | | 0.250 | | 0.000 |

| ## 11 | 0.750 | 0.000 | 0.000 | 0.000 |
|----------------|----------------|----------------|----------------|-------|
| ## 12 | 1.000 | 0.000 | 1.250 | 0.000 |
| ## 13 | 2.750 | 0.000 | 1.250 | 0.000 |
| ## 14 | 0.600 | 0.000 | 1.000 | 0.000 |
| ## 15 | 0.000 | 0.000 | 1.000 | 0.000 |
| ## 16 | 1.400 | 0.000 | 0.000 | 0.000 |
| ## 17 | 0.400 | 0.000 | 0.000 | 0.000 |
| ## 18 | 0.400 | 0.000 | 0.000 | 0.000 |
| ## 19 | 1.000 | 0.000 | 0.000 | 0.000 |
| ## 20 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## 21 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## 22 | 0.800 | 0.000 | 0.000 | 0.000 |
| ## 23 | 0.800 | 0.000 | 0.000 | 0.000 |
| ## 24 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## 25 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## 26 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## 27 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## 28 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## 29 | 0.500 | 0.000 | 0.000 | 0.000 |
| ## 30 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## 31 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## 32 | 1.100 | 0.000 | 0.000 | 0.000 |
| ## 33 | 0.600 | 0.000 | 0.000 | 0.000 |
| ## 34 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## 35 | 0.667 | 0.000 | 0.000 | 0.000 |
| ## 36 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## 37 | 0.500 | 0.000 | 0.000 | 0.000 |
| ## 38 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## 39 | 1.750 | 0.000 | 0.000 | 0.000 |
| ## 40 | 0.500 | 0.000 | 0.000 | 0.000 |
| ## 41 | | 0.000 | 0.000 | 0.000 |
| ## 42 | 0.600 1.250 | 0.000 | 0.000 | 0.000 |
| ## 42 ## 43 | 1.250 | 0.000 | 0.000 | 0.000 |
| ## 44 | 0.400 | 0.000 | 0.000 | 0.000 |
| ## 45 | 1.500 | 0.000 | 0.000 | 0.000 |
| ## 46 | 0.250 | 0.000 | 0.000 | 0.000 |
| ## 47 | 0.250 | 0.000 | 0.000 | 0.000 |
| | | | | |
| ## 48 ## 49 | 1.250 0.333 | 0.000 0.000 | 0.000 0.000 | 0.000 |
| ## 50 | 1.000 | 0.000 | 0.000 | 0.000 |
| ## 51 | 2.333 | 0.000 | 1.667 | 0.000 |
| ## 52 | 0.500 | 0.000 | 1.667 | 0.000 |
| ## 53 | 0.000 | 0.000 | 3.000 | 0.000 |
| ## 54 | 1.833 | 0.000 | 1.167 | 0.000 |
| ## 55 | 0.000 | 0.000 | 0.750 | 0.000 |
| ## 56 | 0.600 | 0.000 | 1.167 | 0.000 |
| ## 57 | 0.200 | 0.000 | 0.600 | 0.000 |
| ## 58 | 0.000 | 0.000 | 0.500 | 0.000 |
| ## 59 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## 60 | 1.667 | 0.000 | 0.250 | 0.000 |
| ## 61 | 0.000 | 0.000 | 0.400 | 0.000 |
| ## 62 | 0.000 | 0.000 | 0.500 | 0.000 |
| ## 63 | 0.667 | 0.000 | 1.000 | 0.000 |
| ## 64 | 0.000 | 0.000 | 1.000 | 0.000 |
| "" O± | 0.000 | 0.000 | 1.000 | 0.000 |

| ## | | 0.500 | 0.000 | 2.000 | 0.000 |
|----|-----|-------|-------|-------|-------|
| ## | 66 | 0.500 | 0.000 | 0.250 | 0.000 |
| ## | 67 | 0.000 | 0.000 | 1.100 | 0.000 |
| ## | 68 | 1.267 | 0.000 | 1.800 | 0.000 |
| ## | 69 | 1.417 | 0.000 | 0.500 | 0.000 |
| ## | 70 | 1.000 | 0.000 | 0.000 | 0.000 |
| | 71 | 1.800 | 0.000 | 1.650 | 0.000 |
| | 72 | 1.000 | 0.000 | 0.000 | 0.000 |
| | 73 | 0.000 | 0.000 | 1.667 | 0.000 |
| | 74 | 0.750 | 0.000 | 0.200 | 0.000 |
| | 75 | 1.000 | 0.000 | 2.000 | 0.000 |
| | 76 | 0.800 | 0.000 | 0.000 | 0.000 |
| | | | | | |
| | 77 | 1.250 | 0.000 | 0.800 | 0.000 |
| | 78 | 1.267 | 0.000 | 1.400 | 0.000 |
| | 79 | 1.400 | 0.000 | 1.400 | 0.000 |
| ## | 80 | 0.500 | 0.000 | 1.000 | 0.000 |
| | 81 | 0.500 | 0.000 | 2.600 | 0.000 |
| | 82 | 0.500 | 0.000 | 2.500 | 0.000 |
| ## | 83 | 0.000 | 0.000 | 0.833 | 0.000 |
| ## | 84 | 0.250 | 0.000 | 0.500 | 0.000 |
| ## | 85 | 3.250 | 0.000 | 1.800 | 0.000 |
| ## | 86 | 0.500 | 0.000 | 0.400 | 0.000 |
| ## | 87 | 2.133 | 0.000 | 1.000 | 0.000 |
| ## | 88 | 1.600 | 0.000 | 0.000 | 0.000 |
| | 89 | 0.500 | 0.000 | 0.000 | 0.000 |
| | 90 | 0.000 | 0.000 | 0.250 | 0.000 |
| | 91 | 1.500 | 0.000 | 1.750 | 0.000 |
| | 92 | 0.500 | 0.000 | 0.000 | 0.000 |
| | 93 | 0.250 | 0.000 | 0.500 | 0.000 |
| | 94 | 0.500 | 0.000 | 0.500 | 0.000 |
| | 95 | 0.800 | 0.000 | 0.000 | 0.000 |
| | | | | | |
| ## | 96 | 1.000 | 0.000 | 1.800 | 0.000 |
| | 97 | 0.000 | 0.000 | 1.400 | 0.000 |
| ## | 98 | 0.000 | 0.000 | 0.000 | 0.000 |
| | 99 | 1.400 | 0.000 | 0.400 | 0.000 |
| | 100 | 1.400 | 0.000 | 0.600 | 0.000 |
| | 101 | 0.500 | 0.000 | 2.000 | 0.000 |
| | 102 | 0.000 | 0.000 | 0.250 | 0.000 |
| ## | 103 | 0.400 | 0.000 | 0.000 | 0.000 |
| ## | 104 | 0.000 | 0.000 | 0.333 | 0.000 |
| ## | 105 | 0.750 | 0.000 | 0.000 | 0.000 |
| ## | 106 | 0.333 | 0.000 | 1.167 | 0.000 |
| ## | 107 | 0.400 | 0.000 | 0.800 | 0.000 |
| ## | 108 | 0.000 | 0.500 | 0.000 | 0.000 |
| ## | 109 | 0.800 | 1.100 | 0.933 | 0.000 |
| ## | 110 | 1.250 | 2.000 | 0.500 | 0.000 |
| ## | 111 | 0.200 | 1.100 | 0.000 | 0.000 |
| | 112 | 2.250 | 0.900 | 0.750 | 0.500 |
| | 113 | 2.667 | 1.000 | 0.500 | 0.000 |
| | 114 | 0.000 | 1.600 | 0.400 | 0.000 |
| | 115 | 1.000 | 2.000 | 0.000 | 0.000 |
| | 116 | 0.000 | 1.000 | 0.000 | 0.000 |
| | 117 | 0.750 | 1.167 | 1.250 | 1.250 |
| | | | | | |
| ## | 118 | 0.800 | 1.600 | 0.800 | 1.250 |

| | 119 | 0.750 | 0.250 | 0.000 | 0.333 |
|----|-----|-------------------|-------|-------|-------|
| ## | 120 | 0.000 | 0.200 | 0.000 | 0.833 |
| ## | 121 | 0.000 | 1.000 | 0.000 | 0.000 |
| ## | 122 | 0.000 | 1.667 | 0.000 | 0.933 |
| ## | 123 | 0.000 | 0.250 | 0.000 | 0.000 |
| ## | 124 | 0.000 | 0.600 | 0.000 | 0.000 |
| ## | 125 | 0.000 | 0.000 | 0.000 | 1.667 |
| | 126 | 0.000 | 1.400 | 0.000 | 0.250 |
| | 127 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## | 128 | 0.000 | 2.500 | 0.000 | 1.667 |
| ## | 129 | 0.000 | 0.400 | 0.000 | 0.000 |
| | 130 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## | 131 | 0.000 | 1.200 | 0.000 | 0.650 |
| ## | 132 | 0.000 | 2.000 | 0.000 | 0.000 |
| | | | | | |
| | 133 | 0.000 | 1.250 | 0.000 | 1.167 |
| | 134 | 0.000 | 0.500 | 0.000 | 0.000 |
| | 135 | 0.000 | 0.400 | 0.000 | 0.000 |
| | 136 | 0.000 | 0.600 | 0.000 | 1.833 |
| | 137 | 0.000 | 0.800 | 0.000 | 0.000 |
| | 138 | 0.000 | 0.000 | 0.000 | 0.000 |
| | 139 | 0.000 | 0.833 | 0.000 | 0.000 |
| | 140 | 0.000 | 0.500 | 0.000 | 1.750 |
| | 141 | 0.000 | 2.000 | 0.000 | 0.250 |
| | 142 | 0.000 | 0.250 | 0.000 | 0.000 |
| ## | 143 | 0.000 | 0.000 | 0.000 | 0.000 |
| | 144 | 0.000 | 0.500 | 0.000 | 0.000 |
| ## | 145 | 0.000 | 0.400 | 0.000 | 0.500 |
| ## | 146 | 0.000 | 0.500 | 0.000 | 0.000 |
| ## | 147 | 0.000 | 0.900 | 0.000 | 0.250 |
| ## | 148 | 0.000 | 2.067 | 0.000 | 0.000 |
| ## | 149 | 0.000 | 0.333 | 1.750 | 0.000 |
| ## | 150 | 0.000 | 1.250 | 0.000 | 0.000 |
| ## | 151 | 0.000 | 0.400 | 0.450 | 0.000 |
| ## | 152 | 0.000 | 1.000 | 0.000 | 0.500 |
| ## | 153 | 0.000 | 0.250 | 1.400 | 0.833 |
| ## | 154 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## | 155 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## | 156 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## | 157 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## | 158 | 0.000 | 0.000 | 0.000 | 1.250 |
| ## | 159 | 0.000 | 0.000 | 0.000 | 0.667 |
| | 160 | 0.000 | 0.000 | 0.000 | 0.000 |
| | 161 | 0.000 | 0.000 | 0.000 | 0.000 |
| | 162 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## | | pillk001_ops_game | | | |
| ## | 1 | 0.0 | 0.500 | 0.000 | 0.000 |
| ## | | 0.0 | 0.500 | 0.000 | 0.250 |
| ## | | 0.0 | 0.500 | 0.000 | 0.000 |
| ## | | 0.5 | 0.000 | 0.000 | 0.200 |
| ## | | 0.0 | 1.000 | 0.000 | 2.000 |
| ## | | 0.0 | 0.500 | 0.000 | 0.000 |
| ## | | 0.0 | 0.833 | 0.000 | 3.250 |
| ## | | 0.0 | 0.000 | 0.000 | 0.200 |
| ## | | 0.0 | 0.250 | 0.000 | 0.000 |
| | - | 3.0 | 0.200 | 3.300 | 0.000 |

| ## 10 | 0.0 | 0.800 | 0.000 | 0.750 |
|-------|-----|-------|-------|-------|
| ## 11 | 0.0 | 0.000 | 0.000 | 0.000 |
| ## 12 | 0.0 | 0.200 | 0.000 | 0.800 |
| ## 13 | 0.0 | 0.000 | 0.000 | 0.250 |
| ## 14 | 0.0 | 1.250 | 0.000 | 0.833 |
| ## 15 | 0.0 | 0.500 | 0.000 | 0.750 |
| ## 16 | 0.0 | 0.000 | 0.000 | 0.400 |
| ## 17 | 0.0 | 2.250 | 0.000 | 2.000 |
| ## 18 | 0.0 | 0.833 | 0.000 | 0.600 |
| ## 19 | 0.0 | 0.500 | 0.000 | 0.500 |
| ## 20 | 0.0 | 1.250 | 0.000 | 1.750 |
| ## 21 | 0.0 | 0.250 | 0.000 | 0.000 |
| ## 22 | 0.0 | 0.833 | 0.000 | 0.000 |
| ## 23 | 0.0 | 0.000 | 0.000 | 0.400 |
| ## 24 | 0.0 | 0.000 | 0.000 | 1.000 |
| ## 25 | 0.0 | 0.667 | 0.000 | 0.000 |
| ## 26 | 0.0 | 0.500 | 0.000 | 0.500 |
| ## 27 | 0.0 | 0.000 | 0.000 | 1.400 |
| ## 28 | 0.0 | 0.000 | 0.000 | 0.400 |
| ## 29 | 0.0 | 1.000 | 0.000 | 1.000 |
| ## 30 | 0.0 | 0.000 | 0.000 | 1.250 |
| ## 31 | 0.0 | 0.250 | 0.000 | 1.250 |
| ## 32 | 0.0 | 0.400 | 0.000 | 0.667 |
| ## 33 | 0.0 | 0.000 | 0.000 | 0.250 |
| ## 34 | 0.0 | 0.667 | 0.000 | 1.667 |
| ## 35 | 0.0 | 0.000 | 0.000 | 0.500 |
| ## 36 | 0.0 | 0.000 | 0.000 | 0.500 |
| ## 37 | 0.0 | 0.000 | 0.000 | 0.000 |
| ## 38 | 0.0 | 2.750 | 0.000 | 1.250 |
| ## 39 | 0.0 | 0.000 | 0.000 | 2.250 |
| ## 40 | 0.0 | 0.667 | 0.000 | 0.250 |
| ## 41 | 0.0 | 0.000 | 0.000 | 0.650 |
| ## 42 | 0.0 | 0.000 | 0.000 | 0.833 |
| ## 43 | 0.0 | 0.000 | 0.000 | 0.000 |
| ## 44 | 0.0 | 0.000 | 0.000 | 0.800 |
| ## 45 | 0.0 | 0.000 | 0.000 | 0.500 |
| ## 46 | 0.0 | 0.000 | 0.500 | 0.000 |
| ## 47 | 0.0 | 0.000 | 0.500 | 0.000 |
| ## 48 | 0.0 | 0.000 | 0.400 | 1.750 |
| ## 49 | 0.0 | 0.000 | 0.000 | 0.333 |
| ## 50 | 0.0 | 0.000 | 0.000 | 0.000 |
| ## 51 | 0.0 | 0.000 | 0.000 | 0.250 |
| ## 52 | 0.0 | 0.000 | 0.667 | 0.000 |
| ## 53 | 0.0 | 0.000 | 0.000 | 1.100 |
| ## 54 | 0.0 | 0.000 | 1.250 | 0.000 |
| ## 55 | 0.0 | 0.000 | 0.000 | 0.500 |
| ## 56 | 0.0 | 0.000 | 1.000 | 0.400 |
| ## 57 | 0.0 | 0.000 | 1.250 | 1.200 |
| ## 58 | 0.0 | 0.000 | 0.000 | 0.000 |
| ## 59 | 0.0 | 0.000 | 0.000 | 0.000 |
| ## 60 | 0.0 | 0.000 | 0.000 | 1.250 |
| ## 61 | 0.0 | 1.200 | 0.000 | 2.600 |
| ## 62 | 0.0 | 0.000 | 0.000 | 1.000 |
| ## 63 | 0.0 | 1.667 | 0.000 | 0.500 |
| 00 | 3.0 | | | 0.000 |

| ## | 64 | 0.0 | 0.500 | 0.000 | 0.000 |
|----|------------|-----|----------------|----------------|----------------|
| ## | | 0.0 | 0.750 | 0.000 | 0.000 |
| | 66 | 0.0 | 0.500 | 0.000 | 1.167 |
| | 67 | 0.0 | 1.000 | 0.000 | 0.000 |
| | 68 | 0.0 | 0.650 | 0.000 | 0.000 |
| | 69 | 0.0 | 0.000 | 0.000 | 0.000 |
| | 70 | 0.0 | 0.500 | 0.000 | 0.000 |
| | 71 | 0.0 | 2.600 | 0.000 | 0.900 |
| | 72 | 0.0 | 0.000 | 0.000 | 1.750 |
| | 73 | 0.0 | 0.000 | 0.000 | 0.667 |
| | 74 | 0.0 | 0.000 | 0.000 | 0.200 |
| | 75 | 0.0 | 1.000 | 0.000 | 1.000 |
| | 76 | 0.0 | 0.400 | 0.000 | 2.300 |
| | 77 | 0.0 | 0.800 | 0.000 | 0.000 |
| | 78 | 0.0 | 0.000 | 0.000 | 0.000 |
| | 79 | 0.0 | 0.000 | 0.000 | 1.400 |
| ## | | 0.0 | 0.000 | 0.000 | 0.500 |
| ## | | 0.0 | 0.000 | 0.000 | 0.650 |
| ## | | 0.0 | 0.000 | 0.000 | 1.250 |
| ## | | 0.0 | 0.000 | 0.000 | 0.500 |
| ## | | 0.0 | 0.500 | 0.000 | 0.000 |
| ## | | 0.0 | 1.400 | 0.000 | 1.600 |
| ## | | 0.0 | 0.000 | 0.000 | 0.500 |
| ## | | 0.0 | 0.000 | 0.000 | 0.000 |
| ## | | 0.0 | 0.500 | 0.000 | 0.000 |
| ## | | 0.0 | 1.000 | 0.000 | 0.000 |
| | 90 | 0.0 | 0.000 | 0.000 | 0.000 |
| ## | | 0.0 | 0.500 | 0.000 | 0.000 |
| ## | | 0.0 | 0.000 | 0.000 | 0.000 |
| ## | | 0.0 | 0.000 | 0.000 | 1.000 |
| ## | | 0.0 | 0.000 | 0.000 | 1.250 |
| ## | | 0.0 | 0.000 | 0.000 | 1.350 |
| | 96 | 0.0 | 1.250 | 0.000 | 0.600 |
| ## | | 0.0 | 5.000 | 0.000 | 0.400 |
| | 98 | 0.0 | 0.000 | | 0.000 |
| | 99 | 0.0 | 1.850 | 0.000 0.000 | 0.000 |
| | 100 | 0.0 | 1.000 | 0.000 | 0.833 |
| | | | | | |
| | 101 102 | 0.0 | 0.750 0.000 | 0.000 | 0.000 |
| | 103 | 0.0 | 0.833 | 0.000 | 0.500 |
| | 104 | 0.0 | 0.000 | 0.000 | 0.000 |
| | 105 | 0.0 | 0.000 | 0.000 | 0.500 |
| | 106 | 0.0 | 1.667 | 0.000 | 0.733 |
| | 107 | 0.0 | 1.800 | 0.000 | 0.733 |
| | 107 | 0.0 | 1.833 | 0.000 | 2.200 |
| | 109 | 0.0 | 0.400 | 0.000 | 0.400 |
| | 110 | | | 0.000 | |
| | 111 | 0.0 | 0.000 0.400 | 0.000 | 0.000 1.850 |
| | | | | | |
| | 112 113 | 0.0 | 0.000 | 0.000 | 0.000 |
| | 114 | 0.0 | 1.000 | | 0.000 |
| | 115 | 0.0 | 0.800 | 0.000 | 2.000 |
| | 116 | 0.0 | 0.000 | 0.000 | 1.250 |
| | | 0.0 | 0.250 | 0.000 | 0.500 |
| ## | 117 | 0.0 | 0.000 | 0.000 | 1.833 |

| | 118 | 0.0 | 0.000 | 0.000 | 0.000 |
|----|-----|-------------------|-------------------|-------------------|-------------------|
| | 119 | 0.0 | 3.417 | 0.000 | 1.250 |
| | 120 | 0.0 | 2.750 | 0.000 | 0.000 |
| | 121 | 0.0 | 0.000 | 0.000 | 0.000 |
| ## | 122 | 0.0 | 0.900 | 0.000 | 2.000 |
| ## | 123 | 0.0 | 1.250 | 0.000 | 1.750 |
| ## | 124 | 0.0 | 0.250 | 0.000 | 1.500 |
| ## | 125 | 0.0 | 1.250 | 0.000 | 1.833 |
| ## | 126 | 0.0 | 0.000 | 0.000 | 0.000 |
| ## | 127 | 0.0 | 0.000 | 0.000 | 0.667 |
| ## | 128 | 0.0 | 0.333 | 0.000 | 0.000 |
| ## | 129 | 0.0 | 0.000 | 0.000 | 0.750 |
| ## | 130 | 0.0 | 0.000 | 0.000 | 0.500 |
| ## | 131 | 0.0 | 1.250 | 0.000 | 0.600 |
| ## | 132 | 0.0 | 2.750 | 0.000 | 0.900 |
| | 133 | 0.0 | 0.000 | 0.000 | 0.000 |
| ## | 134 | 0.0 | 0.000 | 0.000 | 0.000 |
| | 135 | 0.0 | 0.750 | 0.000 | 1.250 |
| | 136 | | | | 0.200 |
| | | 0.0 | 0.650 | 0.000 | |
| | 137 | 0.0 | 1.250 | 0.000 | 0.500 |
| | 138 | 0.0 | 0.000 | 0.000 | 0.000 |
| | 139 | 0.0 | 0.000 | 0.000 | 1.583 |
| | 140 | 0.0 | 1.000 | 0.000 | 0.000 |
| | 141 | 0.0 | 0.500 | 0.000 | 0.000 |
| | 142 | 0.0 | 0.000 | 0.000 | 1.000 |
| | 143 | 0.0 | 0.000 | 1.250 | 0.000 |
| | 144 | 0.0 | 0.000 | 0.500 | 1.250 |
| | 145 | 0.0 | 0.000 | 0.667 | 0.750 |
| | 146 | 0.0 | 1.750 | 0.000 | 1.250 |
| | 147 | 0.0 | 0.000 | 0.000 | 0.750 |
| | 148 | 0.0 | 0.800 | 0.000 | 1.000 |
| | 149 | 0.0 | 0.500 | 0.250 | 0.667 |
| | 150 | 0.0 | 0.250 | 0.000 | 2.500 |
| | 151 | 0.0 | 0.500 | 0.000 | 1.000 |
| | 152 | 0.0 | 0.833 | 0.000 | 1.133 |
| | 153 | 0.0 | 0.000 | 0.000 | 0.750 |
| | 154 | 0.0 | 2.417 | 0.000 | 0.000 |
| ## | 155 | 0.0 | 0.750 | 0.667 | 0.750 |
| ## | 156 | 0.0 | 0.000 | 0.000 | 1.333 |
| ## | 157 | 0.0 | 0.286 | 1.429 | 1.262 |
| ## | 158 | 0.0 | 0.000 | 0.000 | 0.000 |
| ## | 159 | 0.0 | 0.667 | 0.000 | 0.000 |
| ## | 160 | 0.0 | 4.000 | 0.000 | 0.000 |
| ## | 161 | 0.0 | 2.750 | 0.000 | 1.000 |
| ## | 162 | 0.0 | 2.417 | 1.250 | 0.000 |
| ## | | mckib001_ops_game | smoaj001_ops_game | tellr001_ops_game | sogae001_ops_game |
| ## | 1 | 0.000 | 0.000 | 0.333 | 0.000 |
| ## | 2 | 0.500 | 1.000 | 0.000 | 0.000 |
| ## | 3 | 0.833 | 1.833 | 0.500 | 0.000 |
| ## | 4 | 0.000 | 0.200 | 0.000 | 0.000 |
| ## | 5 | 0.250 | 0.250 | 0.667 | 0.000 |
| ## | 6 | 0.000 | 1.000 | 1.833 | 0.000 |
| ## | 7 | 0.000 | 0.250 | 0.500 | 0.000 |
| ## | 8 | 0.500 | 0.000 | 0.200 | 0.000 |
| | | | | | |

| ## | 9 | 0.333 | 0.000 | 0.250 | 0.000 |
|----|----|-------|----------------|-------|-------|
| ## | 10 | 1.250 | 0.600 | 1.167 | 0.000 |
| ## | 11 | 1.000 | 0.000 | 0.000 | 0.000 |
| ## | 12 | 1.417 | 0.000 | 0.000 | 0.000 |
| ## | 13 | 0.000 | 1.833 | 1.750 | 0.000 |
| | 14 | 0.000 | 0.400 | 0.000 | 0.000 |
| | 15 | 0.000 | 1.250 | 0.000 | 0.000 |
| | 16 | 2.200 | 1.300 | 0.000 | 0.000 |
| | 17 | 0.000 | | 0.000 | 0.000 |
| ## | 18 | 0.000 | 1.750 0.933 | 0.500 | 1.400 |
| | | | | | |
| | 19 | 0.667 | 0.500 | 0.000 | 0.833 |
| | 20 | 0.500 | 1.250 | 0.500 | 1.250 |
| | 21 | 1.250 | 0.750 | 0.000 | 0.500 |
| | 22 | 1.150 | 1.750 | 2.000 | 0.667 |
| | 23 | 0.667 | 2.200 | 1.000 | 0.000 |
| ## | 24 | 0.500 | 0.250 | 2.000 | 1.400 |
| ## | 25 | 0.000 | 0.000 | 0.333 | 0.500 |
| ## | 26 | 0.000 | 0.500 | 0.000 | 2.417 |
| ## | 27 | 0.000 | 0.650 | 0.500 | 1.750 |
| ## | 28 | 0.400 | 0.333 | 0.600 | 1.667 |
| ## | 29 | 0.000 | 0.250 | 0.000 | 0.000 |
| ## | 30 | 0.000 | 0.750 | 2.417 | 0.000 |
| ## | | 0.000 | 0.833 | 1.250 | 0.250 |
| ## | | 0.000 | 0.167 | 0.400 | 1.100 |
| ## | | 1.000 | 0.250 | 1.000 | 1.600 |
| ## | | 0.000 | 1.667 | 0.500 | 1.833 |
| ## | | 0.000 | 0.250 | 0.667 | 0.000 |
| | | | | | |
| | 36 | 0.750 | 0.500 | 0.000 | 0.000 |
| ## | | 1.667 | 0.250 | 0.000 | 0.250 |
| | 38 | 0.000 | 0.000 | 1.167 | 0.500 |
| | 39 | 0.750 | 0.000 | 0.000 | 0.000 |
| ## | | 0.000 | 0.000 | 0.500 | 0.000 |
| ## | 41 | 0.900 | 0.400 | 0.000 | 1.100 |
| ## | 42 | 0.000 | 0.000 | 0.750 | 0.000 |
| ## | 43 | 0.000 | 0.500 | 0.000 | 0.333 |
| ## | 44 | 2.000 | 2.800 | 0.400 | 1.100 |
| ## | 45 | 0.000 | 0.000 | 2.000 | 0.000 |
| ## | 46 | 1.250 | 0.833 | 0.500 | 0.000 |
| ## | 47 | 0.000 | 0.500 | 0.000 | 0.000 |
| ## | | 0.250 | 0.400 | 2.000 | 0.000 |
| ## | | 0.000 | 1.600 | 1.500 | 0.000 |
| ## | | 0.000 | 1.250 | 1.167 | 0.000 |
| ## | | 0.000 | 0.250 | 0.000 | 0.000 |
| ## | | 0.000 | 1.833 | 0.000 | 0.000 |
| ## | | 0.000 | 2.000 | 0.000 | 1.000 |
| ## | | 0.000 | 0.000 | 0.000 | 0.250 |
| | | | | | |
| ## | | 0.000 | 1.000 | 0.750 | 0.250 |
| | 56 | 0.000 | 1.000 | 0.650 | 0.667 |
| | 57 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## | | 0.000 | 1.250 | 0.000 | 0.000 |
| ## | | 0.000 | 1.250 | 0.000 | 0.800 |
| ## | | 0.000 | 0.833 | 0.500 | 1.750 |
| ## | 61 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## | 62 | 0.000 | 0.500 | 0.000 | 2.000 |
| | | | | | |

| ## | 63 | 0.000 | 0.000 | 0.000 | 0.000 |
|----|------------|-------|----------------|-------|-------|
| | 64 | 0.000 | 0.833 | 0.000 | 0.000 |
| | 65 | 0.000 | 0.500 | 0.000 | 0.000 |
| | 66 | 0.000 | 0.000 | 0.000 | 1.750 |
| | 67 | 0.000 | 0.400 | 1.400 | 0.000 |
| | 68 | 0.000 | 0.400 | 0.600 | 0.667 |
| | 69 | 0.000 | 0.250 | 0.000 | 0.000 |
| | 70 | 0.000 | 0.000 | 0.000 | 1.167 |
| | 71 | 0.000 | 0.000 | 1.000 | 2.467 |
| | 72 | 0.000 | 0.000 | 0.000 | 0.800 |
| | 73 | 0.000 | 0.000 | 0.667 | 0.000 |
| | 74 | 0.000 | 0.000 | 2.500 | 0.800 |
| | 75 | 0.000 | 0.000 | 0.500 | 3.333 |
| | 76 | 0.200 | 0.000 | 0.000 | 1.333 |
| | 77 | 0.000 | 0.000 | 1.833 | 0.200 |
| | 78 | 0.000 | 0.000 | 1.750 | 1.000 |
| | 79 | 0.000 | 0.000 | 1.150 | 0.933 |
| ## | | 0.000 | 0.000 | 0.000 | 0.000 |
| ## | | 0.000 | 0.000 | 0.500 | 0.000 |
| ## | | 0.000 | 0.833 | 0.000 | 1.750 |
| ## | | 0.000 | 0.000 | 0.000 | 1.417 |
| ## | | 0.000 | 2.000 | 0.500 | 0.800 |
| ## | | 0.000 | 0.000 | 0.400 | 0.650 |
| ## | | 0.000 | 0.000 | 0.000 | 0.400 |
| ## | | 0.000 | 1.250 | 1.750 | 0.000 |
| ## | | 0.000 | 1.267 | 0.400 | 0.600 |
| | 89 | 0.000 | 0.000 | 0.000 | 0.000 |
| | 90 | 0.000 | 0.000 | 0.000 | 0.000 |
| | 91 | 0.000 | 0.500 | 0.750 | 0.000 |
| | 92 | 0.000 | 0.000 | 0.000 | 1.000 |
| ## | | 0.000 | 0.000 | 0.500 | 0.600 |
| ## | | 0.000 | 0.000 | 0.000 | 1.833 |
| ## | | 1.750 | 0.600 | 0.000 | 1.400 |
| ## | | 1.000 | 2.467 | 0.000 | 1.000 |
| ## | | 0.000 | 0.500 | 0.000 | 0.200 |
| | 98 | 0.000 | 0.500 | 0.000 | 0.200 |
| ## | | 0.650 | 0.400 | 0.000 | 1.167 |
| | | | | | |
| | 100 101 | 0.000 | 0.000 0.250 | 0.000 | 1.000 |
| | 102 | 1.667 | 2.667 | 0.000 | 0.500 |
| | 103 | 0.000 | 1.400 | 0.000 | 0.200 |
| | 104 | 0.000 | 0.000 | 0.000 | 0.750 |
| | 105 | 0.000 | 0.833 | 0.000 | 0.730 |
| | 106 | 0.000 | 0.000 | 0.000 | 0.667 |
| | 107 | 1.400 | 1.933 | 0.000 | 0.000 |
| | 108 | 0.000 | 0.200 | 0.000 | 0.000 |
| | 109 | 0.000 | 0.000 | 0.000 | 0.000 |
| | 110 | 0.000 | 0.833 | 0.000 | 0.000 |
| | 111 | 1.400 | 0.200 | 0.000 | 0.000 |
| | 112 | 0.000 | 0.500 | 0.000 | 0.000 |
| | 113 | 0.000 | 0.000 | 0.000 | 0.000 |
| | 114 | 0.000 | 0.250 | 0.000 | 0.000 |
| | 115 | 0.000 | 0.500 | 0.000 | 0.000 |
| | 116 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## | 110 | 0.000 | 0.000 | 0.000 | 0.000 |

| | 117 | 0.000 | 0.500 | 0.000 | 0.000 |
|----|-----|-------|-------------------|-------|-------|
| | 118 | 0.000 | 0.200 | 0.000 | 0.000 |
| | 119 | 0.000 | 0.000 | 0.000 | 0.000 |
| | 120 | 0.000 | 0.250 | 0.000 | 0.000 |
| | 121 | 0.000 | 0.667 | 0.000 | 0.000 |
| | 122 | 0.000 | 2.200 | 0.000 | 0.000 |
| | 123 | 1.833 | 0.833 | 0.000 | 0.000 |
| | 124 | 0.000 | 0.000 | 0.833 | 0.000 |
| ## | 125 | 0.000 | 0.750 | 0.000 | 0.000 |
| ## | 126 | 0.500 | 1.750 | 0.500 | 0.000 |
| ## | 127 | 0.000 | 0.000 | 0.333 | 0.000 |
| ## | 128 | 0.000 | 0.750 | 0.000 | 0.000 |
| ## | 129 | 1.250 | 0.000 | 1.250 | 0.000 |
| ## | 130 | 1.000 | 0.000 | 0.000 | 0.000 |
| ## | 131 | 0.000 | 0.650 | 0.000 | 0.000 |
| ## | 132 | 0.750 | 0.000 | 0.900 | 0.000 |
| ## | 133 | 0.000 | 0.000 | 0.833 | 0.000 |
| ## | 134 | 0.000 | 2.417 | 0.500 | 0.000 |
| ## | 135 | 0.000 | 0.833 | 0.200 | 0.000 |
| ## | 136 | 0.000 | 0.833 | 0.000 | 0.000 |
| ## | 137 | 0.000 | 0.000 | 0.250 | 0.000 |
| ## | 138 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## | 139 | 0.250 | 0.000 | 0.000 | 0.000 |
| ## | 140 | 0.000 | 0.000 | 1.250 | 0.000 |
| ## | 141 | 0.000 | 0.250 | 0.000 | 0.000 |
| ## | 142 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## | 143 | 0.000 | 1.167 | 1.250 | 0.000 |
| ## | 144 | 0.000 | 0.000 | 0.750 | 0.000 |
| ## | 145 | 0.000 | 0.500 | 1.750 | 0.000 |
| ## | 146 | 0.000 | 0.000 | 1.250 | 0.000 |
| ## | 147 | 0.000 | 0.200 | 0.000 | 0.000 |
| ## | 148 | 0.400 | 0.000 | 0.667 | 0.000 |
| ## | 149 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## | 150 | 0.833 | 0.000 | 0.000 | 0.000 |
| ## | 151 | 0.000 | 1.250 | 0.000 | 0.000 |
| | 152 | 0.000 | 0.000 | 1.300 | 0.000 |
| | 153 | 0.000 | 0.000 | 1.167 | 0.000 |
| ## | 154 | 0.000 | 1.833 | 0.000 | 0.000 |
| | 155 | 0.000 | 0.000 | 0.000 | 0.000 |
| | 156 | 2.000 | 0.000 | 0.250 | 0.000 |
| ## | 157 | 0.800 | 0.000 | 1.000 | 0.000 |
| | 158 | 0.000 | 0.000 | 1.250 | 0.000 |
| | 159 | 2.750 | 0.000 | 2.500 | 0.000 |
| | 160 | 0.000 | 0.000 | 0.000 | 0.000 |
| | 161 | 0.000 | 0.833 | 1.250 | 0.000 |
| | 162 | 0.000 | 1.500 | 0.750 | 0.000 |
| ## | | | guerv002_ops_game | | |
| ## | 1 | 0.000 | 0.000 | 0.500 | 0.000 |
| ## | | 0.000 | 0.000 | 1.000 | 0.000 |
| ## | | 0.000 | 0.000 | 0.750 | 0.500 |
| ## | | 0.000 | 0.000 | 0.400 | 0.400 |
| ## | | 0.000 | 0.000 | 0.500 | 0.000 |
| ## | | 0.000 | 0.000 | 0.500 | 0.250 |
| ## | | 0.000 | 0.000 | 0.000 | 0.000 |
| | • | 0.000 | 0.000 | 3.300 | 0.000 |

| ## 0 | 0.000 | 0.000 | 0.000 | 0.050 |
|-------|-------|-------|-------|-------|
| ## 8 | 0.000 | 0.000 | 0.200 | 0.250 |
| ## 9 | 0.000 | 0.000 | 0.500 | 0.000 |
| ## 10 | 0.000 | 0.000 | 0.000 | 0.750 |
| ## 11 | 0.000 | 0.000 | 0.000 | 0.667 |
| ## 12 | 0.000 | 0.000 | 0.200 | 0.500 |
| ## 13 | 0.000 | 0.000 | 0.000 | 0.500 |
| ## 14 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## 15 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## 16 | 0.000 | 0.000 | 0.000 | 0.250 |
| ## 17 | 0.000 | 0.000 | 1.167 | 0.500 |
| ## 18 | 0.000 | 0.000 | 0.000 | 0.500 |
| ## 19 | 0.000 | 0.000 | 0.500 | 0.000 |
| ## 20 | 0.000 | 0.000 | 0.250 | 0.500 |
| ## 21 | 0.000 | 0.000 | 1.250 | 1.167 |
| ## 22 | 0.000 | 0.000 | 2.550 | 0.000 |
| ## 23 | 0.000 | 0.000 | 1.250 | 1.167 |
| ## 24 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## 25 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## 26 | 0.000 | 0.750 | 1.250 | 0.667 |
| ## 27 | 0.000 | 0.650 | 2.333 | 0.917 |
| ## 28 | 0.000 | 0.500 | 1.400 | 0.000 |
| ## 29 | 0.000 | 0.500 | 1.250 | 0.000 |
| ## 30 | 0.000 | 0.000 | 0.000 | 1.000 |
| ## 31 | 0.000 | 0.000 | 0.750 | 0.000 |
| ## 32 | 0.000 | 0.400 | 0.800 | 0.000 |
| ## 33 | 0.000 | 0.833 | 0.000 | 0.500 |
| ## 34 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## 35 | 0.000 | 0.000 | 0.000 | 0.333 |
| ## 36 | 0.000 | 0.500 | 0.667 | 0.000 |
| ## 37 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## 38 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## 39 | 0.000 | 2.000 | 0.000 | 0.000 |
| ## 40 | 0.000 | 0.750 | 0.000 | 0.000 |
| ## 41 | 0.000 | 3.050 | 0.000 | 0.250 |
| ## 42 | 0.000 | 0.250 | 0.833 | 0.000 |
| ## 43 | 0.000 | 0.000 | 0.500 | 0.333 |
| ## 44 | 0.000 | 1.400 | 0.700 | 1.850 |
| ## 45 | 0.000 | 1.000 | 0.000 | 0.000 |
| ## 46 | 0.000 | 1.750 | 0.000 | 1.750 |
| ## 47 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## 48 | 0.000 | 0.800 | 1.750 | 0.500 |
| ## 49 | 0.000 | 1.167 | 1.000 | 0.000 |
| ## 50 | 0.000 | 0.000 | 1.250 | 0.000 |
| ## 51 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## 52 | 0.000 | 0.250 | 0.000 | 0.000 |
| ## 53 | 2.250 | 1.400 | 0.500 | 0.000 |
| ## 54 | 0.250 | 0.250 | 0.000 | 0.000 |
| ## 55 | 0.000 | 0.000 | 1.000 | 0.000 |
| ## 56 | 0.000 | 0.000 | 1.000 | 0.400 |
| ## 57 | 1.000 | 2.550 | 0.000 | 0.000 |
| ## 58 | 0.500 | 0.750 | 0.000 | 1.167 |
| ## 59 | 0.250 | 0.500 | 0.250 | 0.000 |
| ## 60 | 0.250 | 0.500 | 0.000 | 0.000 |
| ## 61 | 1.250 | 1.850 | 1.400 | 0.833 |
| "# OI | 1.200 | 1.000 | 1.400 | 0.000 |

| ## | 62 | 0.000 | 0.000 | 0.667 | 0.000 |
|----|------------|----------------|----------------|----------------|-------|
| ## | | 0.250 | 0.000 | 0.000 | 0.333 |
| | 64 | 0.250 | 1.000 | 0.333 | 0.000 |
| | 65 | 0.000 | 0.000 | 0.000 | 1.750 |
| | 66 | 0.000 | 0.250 | 0.333 | 0.000 |
| | 67 | 0.400 | 1.400 | 0.000 | 0.000 |
| | 68 | 2.600 | 1.600 | 0.000 | 1.200 |
| | 69 | 0.750 | 0.000 | 0.000 | 0.000 |
| | 70 | 0.500 | 0.000 | 0.667 | 0.000 |
| | 71 | 1.000 | 0.400 | 0.000 | 0.000 |
| ## | 72 | 5.000 | 0.000 | 0.000 | 0.000 |
| ## | 73 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## | 74 | 0.250 | 1.267 | 0.000 | 0.500 |
| ## | 75 | 0.200 | 0.200 | 0.000 | 0.000 |
| ## | 76 | 0.000 | 0.400 | 0.500 | 0.000 |
| ## | 77 | 0.800 | 1.100 | 0.000 | 0.000 |
| ## | 78 | 0.900 | 0.000 | 0.833 | 0.500 |
| ## | 79 | 0.400 | 1.400 | 0.000 | 0.000 |
| ## | 80 | 1.000 | 0.500 | 0.000 | 1.000 |
| ## | 81 | 1.550 | 0.200 | 0.500 | 3.000 |
| ## | 82 | 0.250 | 0.500 | 0.000 | 0.667 |
| ## | 83 | 1.833 | 1.833 | 0.333 | 1.250 |
| ## | 84 | 0.000 | 0.000 | 0.333 | 0.000 |
| ## | 85 | 1.400 | 1.267 | 0.000 | 0.000 |
| ## | 86 | 1.250 | 0.900 | 0.250 | 2.500 |
| ## | | 0.250 | 0.200 | 2.500 | 1.250 |
| | 88 | 0.600 | 0.000 | 1.250 | 3.250 |
| ## | | 0.000 | 0.250 | 2.667 | 1.000 |
| ## | | 0.500 | 0.667 | 0.000 | 0.000 |
| ## | | 0.250 | 1.250 | 0.000 | 1.250 |
| ## | | 0.500 | 0.500 | 0.000 | 0.667 |
| ## | | 0.833 | 0.500 | 0.500 | 0.000 |
| ## | | 0.000 | 0.000 | 0.000 | 1.000 |
| ## | | 0.400 | 0.000 | 0.583 | 0.500 |
| ## | | 0.000 | 0.650 | 0.000 | 0.650 |
| | 97 | 0.500 | 0.000 | 0.000 | 0.000 |
| ## | | 0.333 | 0.333 | 0.667 | 0.333 |
| ## | | 0.650 | 1.200 | 0.000 | 0.400 |
| | 100 | 0.250 | 1.750 | 1.250 | 0.000 |
| | 101 | 0.000 | 0.250 | 0.000 | 0.000 |
| | 102 | 0.000 | 1.333 | 0.000 | 0.333 |
| | 103 104 | 0.250 | 1.750 | 0.000 | 0.000 |
| | 105 | 0.000 0.000 | 0.333 0.250 | 0.000 1.000 | 0.000 |
| | 106 | 2.000 | 1.333 | 2.333 | 0.000 |
| | 107 | 0.400 | 1.400 | 0.200 | 0.000 |
| | 108 | 1.800 | 0.650 | 0.400 | 0.500 |
| | 109 | 0.200 | 1.400 | 0.200 | 1.167 |
| | 110 | 1.267 | 0.000 | 0.500 | 0.000 |
| | 111 | 0.667 | 2.600 | 0.000 | 1.800 |
| | 112 | 0.000 | 0.833 | 1.250 | 0.000 |
| | 113 | 0.000 | 1.750 | 0.000 | 0.000 |
| | 114 | 1.400 | 1.400 | 0.500 | 0.000 |
| | 115 | 0.500 | 0.500 | 0.000 | 0.000 |
| | | | | | |

| | | 4 400 | 0.000 | 2.252 | 0.750 |
|----|-----|-------|-------|-------|---------------------|
| | 116 | 1.400 | 0.000 | 2.250 | 0.750 |
| | 117 | 0.000 | 0.000 | 0.500 | 0.000 |
| | 118 | 0.200 | 0.600 | 0.000 | 0.000 |
| | 119 | 0.250 | 0.250 | 0.750 | 1.667 |
| | 120 | 0.500 | 2.083 | 0.000 | 0.500 |
| | 121 | 0.000 | 0.000 | 0.667 | 0.000 |
| | 122 | 1.000 | 1.350 | 1.400 | 1.800 |
| ## | 123 | 0.250 | 0.750 | 0.000 | 0.000 |
| ## | 124 | 1.267 | 0.000 | 0.000 | 1.000 |
| ## | 125 | 1.000 | 1.750 | 0.500 | 1.667 |
| ## | 126 | 0.500 | 0.000 | 0.000 | 0.000 |
| ## | 127 | 0.000 | 0.000 | 1.000 | 0.000 |
| ## | 128 | 0.000 | 2.000 | 0.500 | 0.250 |
| ## | 129 | 0.500 | 0.000 | 0.000 | 0.000 |
| ## | 130 | 0.000 | 2.250 | 0.000 | 0.000 |
| ## | 131 | 0.833 | 0.400 | 0.000 | 0.000 |
| ## | 132 | 0.400 | 0.200 | 0.000 | 0.500 |
| ## | 133 | 0.250 | 0.750 | 0.000 | 0.000 |
| | 134 | 1.417 | 1.000 | 0.000 | 0.000 |
| | 135 | 0.900 | 0.800 | 0.667 | 0.500 |
| | 136 | 1.933 | 0.250 | 0.000 | 0.000 |
| | 137 | 2.750 | 0.833 | 1.417 | 0.500 |
| | 138 | 0.333 | 0.000 | 0.000 | 0.000 |
| | 139 | 0.750 | 0.000 | 0.500 | 0.000 |
| | 140 | 0.250 | 0.250 | 0.000 | 0.000 |
| | 141 | 0.200 | 2.083 | 0.000 | 0.000 |
| | 142 | 0.000 | 0.000 | 0.000 | 0.333 |
| | 143 | 0.400 | 0.750 | 0.000 | 0.000 |
| | 144 | 0.000 | 0.833 | 0.833 | 0.000 |
| | 145 | 1.933 | 0.000 | 0.000 | 0.000 |
| | 146 | 1.750 | 0.583 | 0.500 | 1.000 |
| | 147 | 2.050 | 0.400 | 0.000 | 0.000 |
| | 148 | 0.800 | 0.000 | 0.000 | 0.000 |
| | 149 | 0.000 | 0.400 | 1.250 | 0.250 |
| | 150 | 0.250 | 0.000 | 0.750 | 0.000 |
| | 151 | 2.800 | 1.100 | 0.000 | 1.000 |
| | 152 | 0.667 | 0.667 | 0.500 | 0.000 |
| | 153 | 1.400 | 1.250 | 0.000 | 0.000 |
| | 154 | 0.750 | 1.000 | 0.000 | 1.250 |
| | 155 | 0.500 | 0.750 | 0.000 | 0.000 |
| | 156 | 0.667 | 0.000 | 0.750 | 0.000 |
| | 157 | 1.905 | 0.571 | 0.952 | 0.000 |
| | 158 | 0.250 | 0.000 | 0.500 | 0.000 |
| | 159 | 0.500 | 0.000 | 0.000 | 0.000 |
| | 160 | 1.167 | 0.500 | 0.000 | 0.000 |
| | 161 | 0.833 | 0.000 | 0.250 | 0.833 |
| | 162 | 0.400 | 0.000 | 0.000 | 0.000 |
| ## | 102 | | | | |
| | 1 | | | _ | bichb001_ops_todate |
| ## | | 0.000 | 0.000 | 0.000 | 0.000 |
| ## | | 0.333 | 0.000 | 0.666 | |
| ## | | 0.000 | 0.000 | 0.700 | 0.000 |
| ## | | 0.000 | 0.000 | 0.000 | 0.000 |
| ## | | 0.000 | 0.000 | 1.000 | 0.000 |
| ## | 6 | 0.000 | 0.000 | 0.889 | 0.000 |

| ## | 7 | 1.667 | 0.000 | 0.762 | 0.000 |
|----------|----|----------------|-------------|----------------|-------|
| ## | | 0.000 | 0.000 | 0.900 | 0.000 |
| ## | | 0.000 | 0.000 | 0.993 | 0.000 |
| ## | | 0.000 | 0.000 | 1.061 | 0.000 |
| | 11 | 0.000 | 0.000 | 1.025 | 0.000 |
| ## | 12 | 0.000 | 0.000 | 1.022 | 0.000 |
| | 13 | 0.000 | 0.000 | 1.179 | 0.000 |
| | 14 | 1.750 | 0.000 | 1.120 | 0.000 |
| | 15 | 1.167 | 0.000 | 1.036 | 0.000 |
| ## | 16 | 0.000 | 0.000 | 1.067 | 0.000 |
| ## | 17 | 0.000 | 0.000 | 1.014 | 0.000 |
| ## | 18 | 0.000 | 0.000 | 0.969 | 0.000 |
| ## | 19 | 0.000 | 0.000 | 0.971 | 0.000 |
| ## | 20 | 0.000 | 0.000 | 0.919 | 0.000 |
| ## | 21 | 0.000 | 0.000 | 0.873 | 0.000 |
| ## | 22 | 0.250 | 0.000 | 0.869 | 0.000 |
| ## | 23 | 0.000 | 0.000 | 0.865 | 0.000 |
| ## | 24 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## | | 0.000 | 0.000 | 0.000 | 0.000 |
| ## | 26 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## | 27 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## | 28 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## | 29 | 0.000 | 0.000 | 0.843 | 0.000 |
| ## | 30 | 0.000 | 0.000 | 0.802 | 0.000 |
| ## | 31 | 0.000 | 0.000 | 0.773 | 0.000 |
| ## | 32 | 0.000 | 0.000 | 0.789 | 0.000 |
| ## | 33 | 0.000 | 0.000 | 0.781 | 0.000 |
| ## | 34 | 0.000 | 0.000 | 0.755 | 0.000 |
| ## | 35 | 0.000 | 0.000 | 0.753 | 0.000 |
| ## | | 0.667 | 0.000 | 0.729 | 0.000 |
| ## | | 0.000 | 0.000 | 0.722 | 0.000 |
| ## | | 0.000 | 0.000 | 0.701 | 0.000 |
| ## | | 0.667 | 0.000 | 0.727 | 0.000 |
| ## | | 0.000 | 0.000 | 0.721 | 0.000 |
| ## | | 0.000 | 0.000 | 0.716 | 0.000 |
| ## | | 0.000 | 0.000 | 0.730 | 0.000 |
| ## | | 0.000 | 0.000 | 0.744 | 0.000 |
| ## | | 0.000 | 0.000 | 0.733 | 0.000 |
| ## | | 0.000 | 0.000 | 0.742 | 0.000 |
| ## | | 0.000 | 0.000 | 0.733 | 0.000 |
| ## | | 1.667 | 0.000 | 0.724 | 0.000 |
| ## | | 0.000 | 0.000 | 0.735 | 0.000 |
| ## | | 0.333 | 0.000 | 0.722 | 0.000 |
| ## | | 0.000 | 0.000 | 0.726 | 0.000 |
| ## | | 0.000 | 0.000 | 0.753 | 0.000 |
| ## | | 0.000 | 0.000 | 0.747 | 0.000 |
| ## ## | | 0.000 0.667 | 0.000 | 0.728 0.746 | 0.000 |
| ## | | 0.000 | 0.000 | 0.000 | 0.000 |
| ## | | 0.000 | 0.000 | 0.742 | 0.000 |
| ## | | 0.833 | 0.000 | 0.732 | 0.000 |
| ## | | 0.000 | 0.000 | 0.717 | 0.000 |
| ## | | 1.000 | 0.000 | 0.704 | 0.000 |
| ## | | 0.000 | 0.000 | 0.718 | 0.000 |
| | | | | · · | , |

| ## | 61 | 0.000 | 0.000 | 0.705 | 0.000 |
|----|------------|----------------|-------|----------------|----------------|
| ## | | 0.667 | 0.000 | 0.692 | 0.000 |
| ## | | 0.000 | 0.000 | 0.692 | 0.000 |
| ## | | 0.000 | 0.000 | 0.000 | 0.000 |
| ## | | 0.000 | 0.000 | 0.688 | 0.000 |
| ## | | 0.000 | 0.000 | 0.685 | 0.000 |
| ## | | 1.167 | 0.000 | 0.671 | 0.000 |
| ## | | 0.000 | 0.000 | 0.681 | 0.000 |
| ## | | 0.667 | 0.000 | 0.691 | 0.000 |
| ## | | 0.000 | 0.000 | 0.696 | 0.000 |
| ## | | 0.000 | 0.000 | 0.718 | 0.000 |
| ## | | 0.000 | 0.000 | 0.722 | 0.000 |
| ## | | 0.000 | 0.000 | 0.714 | 0.000 |
| ## | | 0.000 | 0.000 | 0.714 | 0.000 |
| ## | | 0.000 | 0.000 | 0.718 | 0.000 |
| ## | | 0.000 | 0.000 | 0.720 | 0.000 |
| ## | | 0.333 | 0.000 | 0.728 | 0.000 |
| ## | 78 | 0.000 | 0.000 | 0.736 | 0.000 |
| ## | 79 | 0.000 | 0.000 | 0.747 | 0.000 |
| ## | 80 | 0.000 | 0.000 | 0.744 | 0.000 |
| ## | 81 | 0.000 | 0.000 | 0.740 | 0.000 |
| ## | 82 | 0.000 | 0.000 | 0.737 | 0.000 |
| ## | 83 | 0.000 | 0.000 | 0.727 | 0.000 |
| ## | 84 | 1.333 | 0.000 | 0.723 | 0.000 |
| ## | 85 | 0.000 | 0.000 | 0.755 | 0.000 |
| ## | 86 | 0.000 | 0.000 | 0.752 | 0.000 |
| ## | 87 | 0.000 | 0.000 | 0.768 | 0.000 |
| ## | 88 | 0.000 | 0.000 | 0.781 | 0.000 |
| ## | 89 | 0.000 | 0.000 | 0.777 | 0.000 |
| ## | 90 | 0.667 | 0.000 | 0.768 | 0.000 |
| ## | 91 | 0.000 | 0.000 | 0.776 | 0.000 |
| ## | 92 | 0.000 | 0.000 | 0.772 | 0.000 |
| ## | 93 | 0.000 | 0.000 | 0.767 | 0.000 |
| ## | 94 | 0.000 | 0.000 | 0.764 | 0.000 |
| ## | | 0.000 | 0.000 | 0.765 | 0.000 |
| ## | | 0.000 | 0.000 | 0.767 | 0.000 |
| ## | 97 | 0.000 | 0.000 | 0.759 | 0.000 |
| ## | | 0.000 | 0.000 | 0.750 | 0.000 |
| ## | | 0.000 | 0.000 | 0.759 | 0.000 |
| | 100 | 0.000 | 0.000 | 0.768 | 0.000 |
| | 101 | 0.000 | 0.000 | 0.764 | 0.000 |
| | 102 | 0.000 | 0.000 | 0.756 | 0.000 |
| | 103 | 0.000 | 0.000 | 0.752 | 0.000 |
| | 104 | 0.000 | 0.000 | 0.745 | 0.000 |
| | 105 | 0.000 | 0.000 | 0.744 | 0.000 |
| | 106 | 0.000 | 0.000 | 0.738 | 0.000 |
| | 107 | 0.000 | 0.400 | 0.734 | 0.000 |
| | 108 | 0.000 | 0.000 | 0.000 | 0.500 |
| | 109 | 0.000 | 0.000 | 0.735 | 0.819 |
| | 110 | 0.000 | 0.500 | 0.740 | 1.269 |
| | 111 112 | 0.000 0.000 | 0.000 | 0.735 0.749 | 1.222 1.162 |
| | 113 | 0.000 | 1.250 | 0.762 | 1.102 |
| | 114 | 0.000 | 0.000 | 0.000 | 1.134 |
| ## | 114 | 0.000 | 0.000 | 0.000 | 1.201 |

| ## | 115 | 0.000 | 0.000 | 0.762 | 1.295 |
|----|-----|--------------------------------|---------------------|---------------------|-------|
| ## | 116 | 0.000 | 0.000 | 0.754 | 1.260 |
| ## | 117 | 0.000 | 0.000 | 0.755 | 1.253 |
| ## | 118 | 0.000 | 3.000 | 0.755 | 1.290 |
| ## | 119 | 0.000 | 0.000 | 0.754 | 1.227 |
| | 120 | 0.000 | 0.000 | 0.748 | 1.151 |
| ## | 121 | 0.000 | 0.000 | 0.743 | 1.141 |
| ## | 122 | 0.000 | 0.000 | 0.000 | 1.186 |
| ## | 123 | 0.000 | 0.000 | 0.000 | 1.144 |
| ## | 124 | 0.000 | 0.000 | 0.000 | 1.109 |
| ## | 125 | 0.000 | 0.000 | 0.000 | 1.054 |
| ## | 126 | 0.000 | 2.000 | 0.000 | 1.075 |
| ## | 127 | 0.000 | 0.000 | 0.000 | 1.027 |
| ## | 128 | 0.000 | 0.000 | 0.000 | 1.091 |
| ## | 129 | 0.000 | | 0.000 | 1.056 |
| ## | | | 0.000 | | |
| | 130 | 0.000 | 0.000 | 0.000 | 1.014 |
| ## | 131 | 0.000 | 0.500 | 0.000 | 1.023 |
| ## | 132 | 0.000 | 0.000 | 0.000 | 1.067 |
| ## | 133 | 0.000 | 0.000 | 0.000 | 1.072 |
| ## | 134 | 0.000 | 2.000 | 0.000 | 1.053 |
| ## | 135 | 0.000 | 0.000 | 0.000 | 1.027 |
| ## | 136 | 0.000 | 3.000 | 0.000 | 1.011 |
| ## | 137 | 0.000 | 0.000 | 0.000 | 1.003 |
| ## | 138 | 0.000 | 0.000 | 0.000 | 0.974 |
| ## | 139 | 0.000 | 0.000 | 0.000 | 0.972 |
| ## | 140 | 0.000 | 0.000 | 0.000 | 0.959 |
| ## | 141 | 0.000 | 1.750 | 0.000 | 0.994 |
| ## | 142 | 0.000 | 0.000 | 0.000 | 0.978 |
| ## | 143 | 0.000 | 0.500 | 0.000 | 0.948 |
| ## | 144 | 0.000 | 0.000 | 0.000 | 0.937 |
| ## | 145 | 0.000 | 2.417 | 0.000 | 0.921 |
| ## | 146 | 0.000 | 0.000 | 0.000 | 0.912 |
| ## | 147 | 0.000 | 0.500 | 0.000 | 0.911 |
| ## | 148 | 0.000 | 0.600 | 0.000 | 0.945 |
| ## | 149 | 0.000 | 0.000 | 0.000 | 0.941 |
| ## | 150 | 0.000 | 0.500 | 0.000 | 0.947 |
| ## | 151 | 0.000 | 0.000 | 0.000 | 0.939 |
| | 152 | 0.000 | 2.083 | 0.000 | 0.941 |
| ## | 153 | 0.000 | 0.833 | 0.000 | 0.929 |
| ## | 154 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## | 155 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## | 156 | 0.000 | 0.500 | 0.000 | 0.000 |
| ## | 157 | 0.000 | 0.000 | 0.000 | 0.000 |
| | 158 | 0.000 | 0.750 | 0.000 | 0.000 |
| ## | 159 | 0.000 | 0.000 | 0.000 | 0.000 |
| | 160 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## | 161 | 0.000 | 0.000 | 0.000 | 0.000 |
| ## | 162 | 0.833 | 0.000 | 0.000 | 0.000 |
| ## | | <pre>gurr1001_ops_todate</pre> | fishd001_ops_todate | pillk001_ops_todate | |
| ## | 1 | 0.000 | 0.000 | 0.000 | |
| ## | 2 | 0.125 | 0.000 | 0.000 | |
| ## | 3 | 0.000 | 0.000 | 0.000 | |
| ## | | 0.083 | 0.000 | 0.126 | |
| ## | 5 | 0.063 | 0.000 | 0.000 | |
| | | | | | |

| ## 6 | 0.000 | 0.000 | 0.000 |
|-------|-------|-------|-------|
| ## 7 | 0.308 | 0.000 | 0.000 |
| ## 8 | 0.255 | 0.000 | 0.000 |
| ## 9 | 0.000 | 0.000 | 0.000 |
| ## 10 | 0.258 | 0.000 | 0.000 |
| ## 11 | 0.000 | 0.000 | 0.000 |
| ## 12 | 0.376 | 0.000 | 0.000 |
| ## 13 | 0.455 | 0.000 | 0.000 |
| ## 14 | 0.500 | 0.000 | 0.000 |
| ## 15 | 0.538 | 0.000 | 0.000 |
| ## 16 | 0.525 | 0.000 | 0.000 |
| ## 17 | | | |
| | 0.000 | 0.000 | 0.000 |
| ## 18 | 0.000 | 0.000 | 0.000 |
| ## 19 | 0.000 | 0.000 | 0.000 |
| ## 20 | 0.000 | 0.000 | 0.000 |
| ## 21 | 0.000 | 0.000 | 0.000 |
| ## 22 | 0.000 | 0.000 | 0.000 |
| ## 23 | 0.000 | 0.000 | 0.000 |
| ## 24 | 0.000 | 0.000 | 0.000 |
| ## 25 | 0.000 | 0.000 | 0.000 |
| ## 26 | 0.000 | 0.000 | 0.000 |
| ## 27 | 0.000 | 0.000 | 0.000 |
| ## 28 | 0.000 | 0.000 | 0.000 |
| ## 29 | 0.000 | 0.000 | 0.000 |
| ## 30 | 0.000 | 0.000 | 0.000 |
| ## 31 | 0.000 | 0.000 | 0.000 |
| ## 32 | 0.000 | 0.000 | 0.000 |
| ## 33 | 0.000 | 0.000 | 0.000 |
| ## 34 | 0.000 | 0.000 | 0.000 |
| ## 35 | 0.000 | 0.000 | 0.000 |
| ## 36 | 0.000 | 0.000 | 0.000 |
| ## 37 | 0.000 | 0.000 | 0.000 |
| ## 38 | 0.000 | 0.000 | 0.000 |
| ## 39 | 0.000 | 0.000 | 0.000 |
| ## 40 | 0.000 | 0.000 | 0.000 |
| ## 41 | 0.000 | 0.000 | 0.000 |
| ## 42 | 0.000 | 0.000 | 0.000 |
| ## 43 | 0.000 | 0.000 | 0.000 |
| ## 44 | 0.000 | 0.000 | 0.000 |
| ## 45 | 0.000 | 0.000 | 0.000 |
| ## 46 | 0.000 | 0.000 | 0.000 |
| ## 47 | 0.000 | 0.000 | 0.000 |
| ## 48 | 0.000 | 0.000 | 0.000 |
| ## 49 | 0.000 | 0.000 | 0.000 |
| ## 50 | 0.000 | 0.000 | 0.000 |
| ## 51 | 0.604 | 0.000 | 0.000 |
| ## 52 | 0.673 | 0.000 | 0.000 |
| ## 53 | 0.855 | 0.000 | 0.000 |
| ## 54 | 0.875 | 0.000 | 0.000 |
| ## 55 | 0.867 | 0.000 | 0.000 |
| ## 56 | 0.895 | 0.000 | 0.000 |
| ## 57 | 0.874 | 0.000 | 0.000 |
| ## 58 | 0.854 | 0.000 | 0.000 |
| ## 59 | 0.000 | 0.000 | 0.000 |
| · | | | |

| ## | 60 | 0.818 | 0.000 | 0.000 |
|----|-----|-------|-------|-------|
| ## | 61 | 0.804 | 0.000 | 0.000 |
| ## | 62 | 0.790 | 0.000 | 0.000 |
| ## | 63 | 0.799 | 0.000 | 0.000 |
| ## | 64 | 0.808 | 0.000 | 0.000 |
| ## | 65 | 0.857 | 0.000 | 0.000 |
| ## | 66 | 0.838 | 0.000 | 0.000 |
| ## | 67 | 0.850 | 0.000 | 0.000 |
| ## | 68 | 0.893 | 0.000 | 0.000 |
| ## | 69 | 0.880 | 0.000 | 0.000 |
| ## | 70 | 0.850 | 0.000 | 0.000 |
| ## | 71 | 0.877 | 0.000 | 0.000 |
| ## | 72 | 0.000 | 0.000 | 0.000 |
| ## | 73 | 0.894 | 0.000 | 0.000 |
| ## | 74 | 0.872 | 0.000 | 0.000 |
| ## | 75 | 0.914 | 0.000 | 0.000 |
| ## | 76 | 0.882 | 0.000 | 0.000 |
| ## | 77 | 0.878 | 0.000 | 0.000 |
| ## | 78 | 0.896 | 0.000 | 0.000 |
| ## | 79 | 0.911 | 0.000 | 0.000 |
| ## | 80 | 0.914 | 0.000 | 0.000 |
| ## | 81 | 0.966 | 0.000 | 0.000 |
| ## | 82 | 1.002 | 0.000 | 0.000 |
| ## | 83 | 1.000 | 0.000 | 0.000 |
| ## | 84 | 0.989 | 0.000 | 0.000 |
| ## | 85 | 1.008 | 0.000 | 0.000 |
| ## | 86 | 1.002 | 0.000 | 0.000 |
| ## | 87 | 1.002 | 0.000 | 0.000 |
| ## | 88 | 0.976 | 0.000 | 0.000 |
| ## | 89 | 0.000 | 0.000 | 0.000 |
| ## | 90 | 0.965 | 0.000 | 0.000 |
| ## | 91 | 0.981 | 0.000 | 0.000 |
| ## | 92 | 0.962 | 0.000 | 0.000 |
| ## | 93 | 0.953 | 0.000 | 0.000 |
| ## | 94 | 0.944 | 0.000 | 0.000 |
| ## | 95 | 0.923 | 0.000 | 0.000 |
| ## | 96 | 0.942 | 0.000 | 0.000 |
| ## | 97 | 0.952 | 0.000 | 0.000 |
| ## | 98 | 0.936 | 0.000 | 0.000 |
| ## | 99 | 0.925 | 0.000 | 0.000 |
| ## | 100 | 0.918 | 0.000 | 0.000 |
| ## | 101 | 0.936 | 0.000 | 0.000 |
| ## | 102 | 0.928 | 0.000 | 0.000 |
| ## | 103 | 0.000 | 0.000 | 0.000 |
| ## | 104 | 0.923 | 0.000 | 0.000 |
| ## | 105 | 0.909 | 0.000 | 0.000 |
| | 106 | 0.915 | 0.000 | 0.000 |
| | 107 | 0.912 | 0.000 | 0.000 |
| ## | 108 | 0.000 | 0.000 | 0.000 |
| ## | 109 | 0.914 | 0.000 | 0.000 |
| ## | 110 | 0.912 | 0.000 | 0.000 |
| | 111 | 0.000 | 0.000 | 0.000 |
| | 112 | 0.910 | 0.500 | 0.000 |
| ## | 113 | 0.905 | 0.500 | 0.000 |
| | | | | |

| ## | 114 | 0.900 | 0.000 | 0.000 |
|----|-----|-------|-------------------------------|-------|
| ## | 115 | 0.891 | 0.250 | 0.000 |
| ## | 116 | 0.875 | 0.000 | 0.000 |
| ## | 117 | 0.880 | 0.584 | 0.000 |
| ## | 118 | 0.879 | 0.751 | 0.000 |
| ## | 119 | 0.000 | 0.711 | 0.000 |
| ## | 120 | 0.000 | 0.737 | 0.000 |
| ## | 121 | 0.000 | 0.648 | 0.000 |
| ## | 122 | | | 0.000 |
| | | 0.000 | 0.697 | |
| ## | 123 | 0.000 | 0.000 | 0.000 |
| ## | 124 | 0.000 | 0.612 | 0.000 |
| ## | 125 | 0.000 | 0.704 | 0.000 |
| ## | 126 | 0.000 | 0.667 | 0.000 |
| ## | 127 | 0.000 | 0.000 | 0.000 |
| ## | 128 | 0.000 | 0.742 | 0.000 |
| ## | 129 | 0.000 | 0.000 | 0.000 |
| ## | 130 | 0.000 | 0.677 | 0.000 |
| ## | 131 | 0.000 | 0.676 | 0.000 |
| ## | 132 | 0.000 | 0.000 | 0.000 |
| ## | 133 | 0.000 | 0.707 | 0.000 |
| | 134 | 0.000 | 0.669 | 0.000 |
| | 135 | 0.000 | 0.000 | 0.000 |
| | 136 | 0.000 | 0.733 | 0.000 |
| | 137 | 0.000 | 0.687 | 0.000 |
| | | | | |
| | 138 | 0.000 | 0.000 | 0.000 |
| | 139 | 0.000 | 0.000 | 0.000 |
| | 140 | 0.000 | 0.730 | 0.000 |
| ## | 141 | 0.000 | 0.708 | 0.000 |
| ## | 142 | 0.000 | 0.000 | 0.000 |
| ## | 143 | 0.000 | 0.680 | 0.000 |
| ## | 144 | 0.000 | 0.000 | 0.000 |
| ## | 145 | 0.000 | 0.680 | 0.000 |
| ## | 146 | 0.000 | 0.000 | 0.000 |
| ## | 147 | 0.000 | 0.663 | 0.000 |
| ## | 148 | 0.000 | 0.000 | 0.000 |
| ## | 149 | 0.888 | 0.000 | 0.000 |
| ## | 150 | 0.000 | 0.000 | 0.000 |
| ## | 151 | 0.882 | 0.000 | 0.000 |
| | 152 | 0.000 | 0.655 | 0.000 |
| | 153 | 0.891 | 0.662 | 0.000 |
| | 154 | 0.879 | 0.000 | 0.000 |
| | 155 | 0.868 | 0.000 | 0.000 |
| ## | 156 | 0.000 | 0.647 | 0.000 |
| ## | 157 | 0.000 | 0.000 | 0.000 |
| | 158 | 0.000 | 0.675 | 0.000 |
| | | | | |
| | 159 | 0.000 | 0.675 | 0.000 |
| | 160 | 0.000 | 0.654 | 0.000 |
| ## | 161 | 0.000 | 0.000 | 0.000 |
| ## | 162 | 0.000 | 0.000 | 0.000 |
| ## | | | ${\tt davij007_ops_todate}$ | |
| | 1 | 0.500 | 0.000 | 0.000 |
| ## | 2 | 0.500 | 0.000 | 0.125 |
| ## | 3 | 0.533 | 0.000 | 0.000 |
| ## | 4 | 0.368 | 0.000 | 0.200 |
| | | | | |

| ## 5 | 0.501 | 0.000 | 0.638 |
|-------|-------|-------|-------|
| ## 6 | 0.518 | 0.000 | 0.000 |
| ## 7 | 0.560 | 0.000 | 1.095 |
| ## 8 | 0.000 | 0.000 | 0.950 |
| ## 9 | 0.610 | 0.000 | 0.825 |
| | | | |
| ## 10 | 0.636 | 0.000 | 0.815 |
| ## 11 | 0.588 | 0.000 | 0.730 |
| ## 12 | 0.554 | 0.000 | 0.737 |
| ## 13 | 0.000 | 0.000 | 0.704 |
| ## 14 | 0.616 | 0.000 | 0.716 |
| ## 15 | 0.607 | 0.000 | 0.718 |
| ## 16 | 0.000 | 0.000 | 0.691 |
| ## 17 | 0.705 | 0.000 | 0.774 |
| ## 18 | 0.713 | 0.000 | 0.779 |
| ## 19 | 0.700 | 0.000 | 0.764 |
| ## 20 | 0.735 | 0.000 | 0.818 |
| ## 21 | 0.713 | 0.000 | 0.777 |
| ## 22 | 0.719 | 0.000 | 0.730 |
| ## 23 | 0.674 | 0.000 | 0.711 |
| ## 24 | 0.000 | 0.000 | 0.723 |
| ## 25 | 0.665 | 0.000 | 0.700 |
| ## 26 | 0.658 | 0.000 | 0.692 |
| | | | |
| ## 27 | 0.623 | 0.000 | 0.726 |
| ## 28 | 0.000 | 0.000 | 0.711 |
| ## 29 | 0.628 | 0.000 | 0.721 |
| ## 30 | 0.603 | 0.000 | 0.740 |
| ## 31 | 0.592 | 0.000 | 0.756 |
| ## 32 | 0.584 | 0.000 | 0.752 |
| ## 33 | 0.000 | 0.000 | 0.740 |
| ## 34 | 0.585 | 0.000 | 0.756 |
| ## 35 | 0.570 | 0.000 | 0.749 |
| ## 36 | 0.556 | 0.000 | 0.742 |
| ## 37 | 0.000 | 0.000 | 0.721 |
| ## 38 | 0.601 | 0.000 | 0.735 |
| ## 39 | 0.582 | 0.000 | 0.776 |
| ## 40 | 0.583 | 0.000 | 0.766 |
| ## 41 | 0.000 | 0.000 | 0.763 |
| ## 42 | 0.561 | 0.000 | 0.765 |
| ## 43 | 0.000 | 0.000 | 0.747 |
| ## 44 | 0.000 | 0.000 | 0.748 |
| ## 45 | 0.000 | 0.000 | 0.748 |
| ## 46 | 0.000 | 0.112 | 0.731 |
| | | | |
| ## 47 | 0.000 | 0.182 | 0.715 |
| ## 48 | 0.000 | 0.222 | 0.737 |
| ## 49 | 0.000 | 0.206 | 0.725 |
| ## 50 | 0.000 | 0.188 | 0.000 |
| ## 51 | 0.000 | 0.000 | 0.717 |
| ## 52 | 0.000 | 0.228 | 0.702 |
| ## 53 | 0.000 | 0.000 | 0.712 |
| ## 54 | 0.000 | 0.333 | 0.698 |
| ## 55 | 0.000 | 0.309 | 0.694 |
| ## 56 | 0.000 | 0.341 | 0.691 |
| ## 57 | 0.000 | 0.405 | 0.700 |
| ## 58 | 0.000 | 0.380 | 0.688 |
| | | | |

| ## | 59 | 0.000 | 0.000 | 0.676 |
|----|-----|-------|-------|-------|
| ## | 60 | 0.000 | 0.000 | 0.686 |
| ## | 61 | 0.585 | 0.000 | 0.720 |
| ## | 62 | 0.569 | 0.000 | 0.724 |
| ## | 63 | 0.592 | 0.000 | 0.721 |
| ## | 64 | 0.590 | 0.000 | 0.709 |
| ## | 65 | 0.594 | 0.000 | 0.698 |
| ## | 66 | 0.592 | 0.000 | 0.704 |
| ## | 67 | 0.605 | 0.000 | 0.691 |
| ## | 68 | 0.607 | 0.000 | 0.000 |
| ## | 69 | 0.000 | 0.000 | 0.681 |
| ## | 70 | 0.607 | 0.000 | 0.670 |
| ## | 71 | 0.656 | 0.000 | 0.674 |
| ## | 72 | 0.649 | 0.000 | 0.690 |
| ## | 73 | 0.000 | 0.000 | 0.690 |
| ## | 74 | 0.000 | 0.000 | 0.683 |
| ## | 75 | 0.659 | 0.000 | 0.688 |
| ## | 76 | 0.656 | 0.000 | 0.712 |
| ## | 77 | 0.660 | 0.000 | 0.700 |
| ## | 78 | 0.000 | 0.000 | 0.691 |
| | 79 | 0.000 | 0.000 | 0.702 |
| ## | | 0.646 | 0.000 | 0.700 |
| ## | | 0.633 | 0.000 | 0.699 |
| | | 0.620 | 0.000 | 0.706 |
| ## | | 0.000 | 0.000 | 0.706 |
| ## | | 0.617 | 0.000 | 0.000 |
| | 85 | 0.636 | 0.000 | 0.720 |
| ## | 86 | 0.000 | 0.000 | 0.716 |
| ## | 87 | 0.000 | 0.000 | 0.708 |
| ## | 88 | 0.634 | 0.000 | 0.000 |
| ## | 89 | 0.639 | 0.000 | 0.000 |
| ## | 90 | 0.630 | 0.000 | 0.000 |
| ## | 91 | 0.628 | 0.000 | 0.000 |
| ## | 92 | 0.620 | 0.000 | 0.702 |
| ## | | 0.000 | 0.000 | 0.705 |
| ## | 94 | 0.614 | 0.000 | 0.711 |
| | 95 | 0.000 | 0.000 | 0.720 |
| ## | | 0.625 | 0.000 | 0.718 |
| ## | | 0.669 | 0.000 | 0.716 |
| ## | | 0.661 | 0.000 | 0.708 |
| ## | | 0.682 | 0.000 | 0.000 |
| | 100 | 0.688 | 0.000 | 0.710 |
| ## | 101 | 0.688 | 0.000 | 0.702 |
| ## | 102 | 0.000 | 0.000 | 0.697 |
| ## | 103 | 0.691 | 0.000 | 0.694 |
| ## | 104 | 0.682 | 0.000 | 0.689 |
| ## | 105 | 0.674 | 0.000 | 0.687 |
| ## | 106 | 0.698 | 0.000 | 0.687 |
| ## | 107 | 0.714 | 0.000 | 0.000 |
| ## | 108 | 0.727 | 0.000 | 0.707 |
| | 109 | 0.721 | 0.000 | 0.703 |
| | 110 | 0.000 | 0.000 | 0.696 |
| | 111 | 0.721 | 0.000 | 0.708 |
| ## | 112 | 0.000 | 0.000 | 0.000 |
| | | | | |

| ## | 113 | 0.722 | 0.000 | 0.701 |
|-----|-----|-------|---------------------|---------------------|
| ## | 114 | 0.724 | 0.000 | 0.717 |
| ## | 115 | 0.000 | 0.000 | 0.722 |
| ## | 116 | 0.718 | 0.000 | 0.720 |
| ## | 117 | 0.709 | 0.000 | 0.728 |
| | 118 | 0.000 | 0.000 | 0.722 |
| | 119 | 0.737 | 0.000 | 0.726 |
| | 120 | 0.754 | 0.000 | 0.720 |
| | 121 | | | |
| | | 0.746 | 0.000 | 0.715 |
| | 122 | 0.749 | 0.000 | 0.729 |
| | 123 | 0.755 | 0.000 | 0.738 |
| | 124 | 0.751 | 0.000 | 0.744 |
| | 125 | 0.756 | 0.000 | 0.752 |
| ## | 126 | 0.000 | 0.000 | 0.745 |
| ## | 127 | 0.749 | 0.000 | 0.744 |
| ## | 128 | 0.747 | 0.000 | 0.738 |
| ## | 129 | 0.738 | 0.000 | 0.739 |
| ## | 130 | 0.000 | 0.000 | 0.736 |
| | 131 | 0.742 | 0.000 | 0.735 |
| | 132 | 0.757 | 0.000 | 0.736 |
| | 133 | 0.747 | 0.000 | 0.731 |
| | 134 | 0.000 | 0.000 | 0.725 |
| | 135 | 0.747 | 0.000 | 0.729 |
| | | | | 0.725 |
| | 136 | 0.746 | 0.000 | |
| | 137 | 0.752 | 0.000 | 0.722 |
| | 138 | 0.000 | 0.000 | 0.719 |
| | 139 | 0.744 | 0.000 | 0.724 |
| | 140 | 0.746 | 0.000 | 0.718 |
| ## | 141 | 0.743 | 0.000 | 0.712 |
| ## | 142 | 0.736 | 0.353 | 0.715 |
| ## | 143 | 0.000 | 0.414 | 0.000 |
| ## | 144 | 0.728 | 0.420 | 0.719 |
| ## | 145 | 0.000 | 0.431 | 0.720 |
| ## | 146 | 0.739 | 0.407 | 0.723 |
| | 147 | 0.000 | 0.000 | 0.723 |
| | 148 | 0.739 | 0.000 | 0.726 |
| | 149 | 0.737 | 0.400 | 0.725 |
| | 150 | 0.733 | 0.000 | 0.739 |
| | 151 | 0.731 | 0.000 | 0.741 |
| | 152 | 0.732 | 0.000 | 0.745 |
| | 153 | 0.000 | 0.000 | 0.745 |
| | | | | |
| | 154 | 0.745 | 0.000 | 0.740 |
| | 155 | 0.746 | 0.401 | 0.739 |
| | 156 | 0.000 | 0.000 | 0.742 |
| | 157 | 0.738 | 0.486 | 0.748 |
| ## | 158 | 0.000 | 0.000 | 0.745 |
| | 159 | 0.738 | 0.000 | 0.000 |
| ## | 160 | 0.754 | 0.000 | 0.740 |
| ## | 161 | 0.766 | 0.000 | 0.742 |
| ## | 162 | 0.778 | 0.531 | 0.737 |
| ## | | | smoaj001_ops_todate | tellr001_ops_todate |
| ## | 1 | 0.000 | 0.000 | 0.333 |
| ## | | 0.500 | 0.500 | 0.000 |
| ## | | 0.661 | 0.878 | 0.400 |
| и п | _ | 0.001 | 0.070 | 0.400 |

| ## 4 | 0.000 | 0.694 | 0.000 |
|-------|-------|-------|-------|
| ## 5 | 0.533 | 0.619 | 1.158 |
| ## 6 | 0.393 | 0.684 | 1.362 |
| ## 7 | 0.311 | 0.630 | 1.126 |
| ## 8 | 0.350 | 0.000 | 0.920 |
| ## 9 | 0.350 | 0.000 | 0.822 |
| ## 10 | 0.482 | 0.627 | 0.857 |
| ## 11 | 0.535 | 0.000 | 0.795 |
| ## 12 | 0.623 | 0.000 | 0.000 |
| ## 13 | 0.545 | 0.740 | 0.923 |
| ## 14 | 0.497 | 0.715 | 0.000 |
| ## 15 | 0.000 | 0.757 | 0.818 |
| ## 16 | 0.678 | 0.804 | 0.774 |
| ## 17 | 0.614 | 0.871 | 0.000 |
| ## 18 | 0.000 | 0.878 | 0.747 |
| ## 19 | 0.616 | 0.851 | 0.681 |
| ## 20 | 0.609 | 0.883 | 0.666 |
| ## 21 | 0.649 | 0.877 | 0.000 |
| ## 22 | 0.680 | 0.932 | 0.791 |
| ## 23 | 0.680 | 1.021 | 0.804 |
| ## 24 | 0.670 | 0.987 | 0.885 |
| ## 25 | 0.000 | 0.938 | 0.866 |
| ## 26 | 0.644 | 0.917 | 0.815 |
| ## 27 | 0.000 | 0.904 | 0.797 |
| ## 28 | 0.630 | 0.867 | 0.784 |
| ## 29 | 0.000 | 0.847 | 0.746 |
| ## 30 | 0.588 | 0.844 | 0.811 |
| ## 31 | 0.000 | 0.844 | 0.831 |
| ## 32 | 0.000 | 0.811 | 0.807 |
| ## 33 | 0.606 | 0.799 | 0.815 |
| ## 34 | 0.000 | 0.816 | 0.803 |
| ## 35 | 0.000 | 0.800 | 0.798 |
| ## 36 | 0.626 | 0.791 | 0.769 |
| ## 37 | 0.657 | 0.776 | 0.748 |
| ## 38 | 0.000 | 0.794 | 0.761 |
| ## 39 | 0.661 | 0.770 | 0.735 |
| ## 40 | 0.000 | 0.748 | 0.727 |
| ## 41 | 0.671 | 0.740 | 0.000 |
| ## 42 | 0.647 | 0.000 | 0.727 |
| ## 43 | 0.625 | 0.732 | 0.000 |
| ## 44 | 0.680 | 0.770 | 0.715 |
| ## 45 | 0.665 | 0.759 | 0.730 |
| ## 46 | 0.683 | 0.761 | 0.723 |
| ## 47 | 0.668 | 0.754 | 0.000 |
| ## 48 | 0.659 | 0.747 | 0.769 |
| ## 49 | 0.000 | 0.776 | 0.796 |
| ## 50 | 0.636 | 0.789 | 0.804 |
| ## 51 | 0.000 | 0.779 | 0.784 |
| ## 52 | 0.000 | 0.798 | 0.768 |
| ## 53 | 0.000 | 0.835 | 0.000 |
| ## 54 | 0.000 | 0.000 | 0.749 |
| ## 55 | 0.000 | 0.838 | 0.749 |
| ## 56 | 0.000 | 0.841 | 0.747 |
| ## 57 | 0.000 | 0.000 | 0.739 |
| | | | |

| ## | 58 | 0.000 | 0.851 | 0.000 |
|----|-----|-------|--------------|-------|
| ## | 59 | 0.000 | 0.858 | 0.000 |
| ## | 60 | 0.000 | 0.858 | 0.725 |
| ## | 61 | 0.000 | 0.837 | 0.000 |
| ## | 62 | 0.000 | 0.829 | 0.000 |
| ## | 63 | 0.000 | 0.000 | 0.709 |
| ## | 64 | 0.000 | 0.831 | 0.694 |
| ## | 65 | 0.000 | 0.823 | 0.000 |
| ## | 66 | 0.000 | 0.809 | 0.000 |
| ## | 67 | 0.000 | 0.803 | 0.712 |
| ## | 68 | 0.000 | 0.795 | 0.710 |
| ## | 69 | 0.000 | 0.787 | 0.696 |
| ## | 70 | 0.000 | 0.000 | 0.682 |
| ## | 71 | 0.000 | 0.000 | 0.690 |
| ## | 72 | 0.000 | 0.000 | 0.676 |
| ## | 73 | 0.000 | 0.000 | 0.676 |
| ## | 74 | 0.000 | 0.000 | 0.710 |
| | 75 | 0.000 | 0.000 | 0.710 |
| | 76 | 0.653 | 0.000 | 0.000 |
| | 77 | 0.000 | 0.000 | 0.729 |
| | 78 | 0.000 | 0.000 | 0.744 |
| | 79 | 0.641 | 0.000 | 0.752 |
| | 80 | 0.000 | 0.000 | 0.740 |
| ## | 81 | 0.000 | 0.000 | 0.735 |
| ## | 82 | 0.000 | 0.787 | 0.000 |
| ## | 83 | 0.000 | 0.775 | 0.000 |
| ## | 84 | 0.000 | 0.801 | 0.729 |
| ## | 85 | 0.000 | 0.000 | 0.722 |
| ## | 86 | 0.000 | 0.785 | 0.000 |
| ## | 87 | 0.000 | 0.791 | 0.735 |
| ## | 88 | 0.000 | 0.799 | 0.729 |
| ## | 89 | 0.000 | 0.787 | 0.721 |
| ## | 90 | 0.000 | 0.777 | 0.000 |
| ## | 91 | 0.000 | 0.776 | 0.721 |
| ## | 92 | 0.000 | 0.767 | 0.000 |
| ## | 93 | 0.000 | 0.000 | 0.718 |
| | 94 | 0.000 | 0.756 | 0.000 |
| ## | | 0.669 | 0.753 | 0.000 |
| ## | | 0.677 | 0.775 | 0.000 |
| ## | | 0.000 | 0.771 | 0.000 |
| ## | | 0.000 | 0.768 | 0.000 |
| ## | | 0.678 | 0.764 | 0.000 |
| | 100 | 0.000 | 0.000 | 0.000 |
| | 101 | 0.000 | 0.758 | 0.000 |
| | 102 | 0.691 | 0.772 | 0.000 |
| | 103 | 0.680 | 0.784 | 0.000 |
| | 104 | 0.000 | 0.776 | 0.000 |
| | 105 | 0.000 | 0.776 | 0.000 |
| | 106 | 0.000 | 0.000 | 0.000 |
| | 107 | 0.697 | 0.792 | 0.000 |
| | 108 | 0.681 | 0.784 | 0.000 |
| | 109 | 0.000 | 0.000 | 0.000 |
| | 110 | 0.667 | 0.784 | 0.000 |
| | 111 | 0.686 | 0.776 | 0.000 |
| | | | - | |

| ## | 112 | 0.000 | 0.775 | 0.000 |
|----|-----|-------|---------------------|-------|
| ## | 113 | 0.000 | 0.766 | 0.000 |
| ## | 114 | 0.000 | 0.761 | 0.000 |
| ## | 115 | 0.000 | 0.758 | 0.000 |
| ## | 116 | 0.000 | 0.000 | 0.000 |
| ## | 117 | 0.000 | 0.755 | 0.000 |
| ## | 118 | 0.000 | 0.748 | 0.000 |
| | 119 | 0.000 | 0.000 | 0.000 |
| | 120 | 0.000 | 0.743 | 0.000 |
| | 121 | 0.000 | 0.742 | 0.000 |
| | 122 | 0.000 | 0.764 | 0.000 |
| | 123 | 0.706 | 0.764 | 0.000 |
| | 124 | 0.000 | 0.000 | 0.717 |
| | 125 | 0.000 | 0.764 | 0.000 |
| | | | | |
| | 126 | 0.701 | 0.771 | 0.714 |
| | 127 | 0.691 | 0.765 | 0.712 |
| | 128 | 0.000 | 0.765 | 0.000 |
| | 129 | 0.698 | 0.000 | 0.716 |
| | 130 | 0.701 | 0.000 | 0.707 |
| | 131 | 0.000 | 0.764 | 0.000 |
| | 132 | 0.702 | 0.756 | 0.710 |
| | 133 | 0.000 | 0.000 | 0.712 |
| | 134 | 0.695 | 0.770 | 0.709 |
| | 135 | 0.000 | 0.771 | 0.702 |
| | 136 | 0.000 | 0.771 | 0.000 |
| | 137 | 0.000 | 0.000 | 0.697 |
| | 138 | 0.679 | 0.766 | 0.691 |
| | 139 | 0.673 | 0.759 | 0.000 |
| ## | 140 | 0.000 | 0.000 | 0.712 |
| ## | 141 | 0.000 | 0.754 | 0.707 |
| ## | 142 | 0.000 | 0.000 | 0.701 |
| ## | 143 | 0.671 | 0.757 | 0.706 |
| ## | 144 | 0.000 | 0.000 | 0.707 |
| ## | 145 | 0.000 | 0.755 | 0.720 |
| ## | 146 | 0.000 | 0.000 | 0.726 |
| ## | 147 | 0.668 | 0.750 | 0.717 |
| ## | 148 | 0.662 | 0.000 | 0.716 |
| ## | 149 | 0.000 | 0.741 | 0.000 |
| ## | 150 | 0.665 | 0.000 | 0.708 |
| ## | 151 | 0.660 | 0.747 | 0.000 |
| ## | 152 | 0.000 | 0.000 | 0.715 |
| ## | 153 | 0.000 | 0.740 | 0.720 |
| ## | 154 | 0.000 | 0.748 | 0.000 |
| ## | 155 | 0.000 | 0.000 | 0.000 |
| ## | 156 | 0.690 | 0.739 | 0.714 |
| ## | 157 | 0.693 | 0.000 | 0.719 |
| ## | 158 | 0.000 | 0.000 | 0.725 |
| | 159 | 0.710 | 0.000 | 0.745 |
| | 160 | 0.699 | 0.000 | 0.737 |
| | 161 | 0.000 | 0.741 | 0.742 |
| ## | 162 | 0.000 | 0.748 | 0.742 |
| ## | | | biggc002_ops_todate | |
| ## | 1 | 0.000 | 0.000 | 0.000 |
| ## | | 0.000 | 0.000 | 0.000 |
| | | | | |

| ## | 3 | 0.000 | 0.000 | 0.000 |
|----|----|-------|-------|-------|
| ## | 4 | 0.000 | 0.000 | 0.000 |
| ## | 5 | 0.000 | 0.000 | 0.000 |
| ## | 6 | 0.000 | 0.000 | 0.000 |
| ## | 7 | | | 0.000 |
| | | 0.000 | 0.000 | |
| ## | 8 | 0.000 | 0.000 | 0.000 |
| ## | 9 | 0.000 | 0.000 | 0.000 |
| ## | 10 | 0.000 | 0.000 | 0.000 |
| ## | 11 | 0.000 | 0.000 | 0.000 |
| ## | 12 | 0.000 | 0.000 | 0.000 |
| ## | 13 | 0.000 | 0.000 | 0.000 |
| ## | 14 | 0.000 | 0.000 | 0.000 |
| ## | 15 | 0.000 | 0.000 | 0.000 |
| ## | 16 | 0.000 | 0.000 | 0.000 |
| ## | 17 | 0.000 | 0.000 | 0.000 |
| ## | 18 | 1.400 | 0.000 | 0.000 |
| ## | 19 | 1.181 | 0.000 | 0.000 |
| ## | 20 | 1.205 | 0.000 | 0.000 |
| ## | 21 | 1.034 | 0.000 | 0.000 |
| ## | 22 | 0.935 | 0.000 | 0.000 |
| ## | 23 | 0.000 | 0.000 | 0.000 |
| ## | 24 | | | |
| | | 1.006 | 0.000 | 0.000 |
| ## | 25 | 0.939 | 0.000 | 0.000 |
| ## | 26 | 1.080 | 0.000 | 0.750 |
| ## | 27 | 1.132 | 0.000 | 0.708 |
| ## | 28 | 1.210 | 0.000 | 0.641 |
| ## | 29 | 1.156 | 0.000 | 0.639 |
| ## | 30 | 0.000 | 0.000 | 0.508 |
| ## | 31 | 1.094 | 0.000 | 0.000 |
| ## | 32 | 1.096 | 0.000 | 0.486 |
| ## | 33 | 1.128 | 0.000 | 0.531 |
| ## | 34 | 1.166 | 0.000 | 0.465 |
| ## | 35 | 1.093 | 0.000 | 0.425 |
| ## | 36 | 0.000 | 0.000 | 0.433 |
| ## | 37 | 1.051 | 0.000 | 0.000 |
| ## | 38 | 1.020 | 0.000 | 0.393 |
| ## | 39 | 0.965 | 0.000 | 0.495 |
| ## | | 0.000 | 0.000 | 0.517 |
| ## | | 0.974 | 0.000 | 0.720 |
| ## | | 0.000 | 0.000 | 0.693 |
| ## | | 0.945 | 0.000 | 0.648 |
| ## | | 0.954 | 0.000 | 0.697 |
| ## | | 0.000 | | |
| | | | 0.000 | 0.706 |
| ## | | 0.903 | 0.000 | 0.766 |
| ## | | 0.000 | 0.000 | 0.000 |
| ## | | 0.000 | 0.000 | 0.767 |
| ## | | 0.849 | 0.000 | 0.798 |
| ## | | 0.816 | 0.000 | 0.761 |
| ## | | 0.000 | 0.000 | 0.727 |
| ## | | 0.000 | 0.000 | 0.711 |
| ## | | 0.825 | 0.900 | 0.746 |
| ## | | 0.808 | 0.748 | 0.730 |
| ## | 55 | 0.792 | 0.000 | 0.703 |
| ## | 56 | 0.786 | 0.000 | 0.000 |
| | | | | |

| ## | 57 | 0.000 | 0.760 | 0.781 |
|----|----------|----------------|----------------|-------|
| ## | 58 | 0.000 | 0.748 | 0.780 |
| ## | 59 | 0.781 | 0.681 | 0.771 |
| ## | 60 | 0.810 | 0.631 | 0.762 |
| ## | 61 | 0.000 | 0.692 | 0.798 |
| ## | 62 | 0.846 | 0.000 | 0.774 |
| ## | 63 | 0.822 | 0.649 | 0.752 |
| ## | | 0.000 | 0.614 | 0.758 |
| | 65 | 0.799 | 0.556 | 0.000 |
| | 66 | 0.826 | 0.000 | 0.748 |
| | 67 | 0.000 | 0.547 | 0.769 |
| ## | 68 | 0.819 | 0.729 | 0.792 |
| ## | 69 | 0.000 | 0.732 | 0.796 |
| | 70 | 0.812 | 0.715 | 0.000 |
| | 71 | 0.847 | 0.740 | 0.784 |
| ## | 72 | 0.846 | 0.895 | 0.765 |
| | 73 | 0.826 | 0.856 | 0.747 |
| | 74 | 0.825 | 0.828 | 0.758 |
| | 75 | 0.874 | 0.798 | 0.745 |
| | 76 | 0.887 | 0.000 | 0.736 |
| | 77 | 0.872 | 0.805 | 0.744 |
| | 78 | 0.876 | 0.810 | 0.725 |
| | 79 | 0.879 | 0.787 | 0.742 |
| | 80 | 0.864 | 0.794 | 0.738 |
| | 81 | 0.000 | 0.829 | 0.726 |
| | 82 | 0.882 | 0.809 | 0.722 |
| | 83 | 0.890 | 0.842 | 0.739 |
| | 84 | 0.889 | 0.811 | 0.000 |
| | 85 | 0.884 | 0.837 | 0.751 |
| ## | 86 | 0.878 | 0.851 | 0.755 |
| ## | 87 | 0.000 | 0.834 | 0.744 |
| ## | 88 | 0.871 | 0.835 | 0.000 |
| ## | 89 | 0.857 | 0.809 | 0.733 |
| | 90 | 0.000 | 0.799 | 0.732 |
| | 91 92 | 0.842 0.844 | 0.786 | 0.741 |
| | 93 | | 0.778 | 0.737 |
| | | 0.840 | 0.780 | 0.734 |
| | 94 95 | 0.853 0.864 | 0.758 0.746 | 0.722 |
| | 96 | 0.866 | 0.000 | 0.720 |
| | 97 | 0.855 | 0.745 | 0.726 |
| | 98 | 0.000 | 0.738 | 0.704 |
| | 99 | 0.862 | 0.737 | 0.713 |
| | 100 | 0.864 | 0.726 | 0.713 |
| | 101 | 0.860 | 0.000 | 0.723 |
| | 102 | 0.854 | 0.709 | 0.730 |
| | 103 | 0.845 | 0.700 | 0.742 |
| | 104 | 0.843 | 0.000 | 0.739 |
| | 105 | 0.000 | 0.685 | 0.733 |
| | 106 | 0.840 | 0.712 | 0.746 |
| | 107 | 0.000 | 0.704 | 0.757 |
| | 108 | 0.000 | 0.733 | 0.756 |
| | 109 | 0.000 | 0.722 | 0.767 |
| | 110 | 0.000 | 0.733 | 0.000 |
| | | | | |

| ## | 111 | 0.000 | 0.730 | 0.797 |
|----|-----|-------|-------------------------------|-------|
| ## | 112 | 0.000 | 0.716 | 0.798 |
| ## | 113 | 0.000 | 0.000 | 0.810 |
| ## | 114 | 0.000 | 0.731 | 0.820 |
| ## | 115 | 0.000 | 0.726 | 0.816 |
| | 116 | 0.000 | 0.739 | 0.803 |
| | 117 | 0.000 | 0.000 | 0.000 |
| | 118 | 0.000 | 0.729 | 0.801 |
| | 119 | 0.000 | 0.722 | 0.795 |
| | 120 | 0.000 | 0.718 | 0.807 |
| | | | | |
| | 121 | 0.000 | 0.706 | 0.000 |
| | 122 | 0.000 | 0.714 | 0.811 |
| | 123 | 0.000 | 0.708 | 0.811 |
| | 124 | 0.000 | 0.716 | 0.800 |
| ## | 125 | 0.000 | 0.720 | 0.810 |
| ## | 126 | 0.000 | 0.717 | 0.809 |
| ## | 127 | 0.000 | 0.706 | 0.000 |
| ## | 128 | 0.000 | 0.000 | 0.818 |
| ## | 129 | 0.000 | 0.703 | 0.000 |
| ## | 130 | 0.000 | 0.693 | 0.833 |
| ## | 131 | 0.000 | 0.695 | 0.828 |
| | 132 | 0.000 | 0.691 | 0.820 |
| | 133 | 0.000 | 0.686 | 0.820 |
| | 134 | 0.000 | 0.695 | 0.822 |
| | 135 | 0.000 | 0.698 | 0.821 |
| | 136 | 0.000 | 0.713 | 0.816 |
| | | | | |
| | 137 | 0.000 | 0.736 | 0.817 |
| | 138 | 0.000 | 0.733 | 0.811 |
| | 139 | 0.000 | 0.733 | 0.000 |
| | 140 | 0.000 | 0.728 | 0.806 |
| | 141 | 0.000 | 0.721 | 0.817 |
| | 142 | 0.000 | 0.000 | 0.809 |
| ## | 143 | 0.000 | 0.718 | 0.809 |
| ## | 144 | 0.000 | 0.000 | 0.809 |
| ## | 145 | 0.000 | 0.732 | 0.801 |
| ## | 146 | 0.000 | 0.742 | 0.799 |
| ## | 147 | 0.000 | 0.759 | 0.795 |
| ## | 148 | 0.000 | 0.760 | 0.786 |
| ## | 149 | 0.000 | 0.000 | 0.781 |
| ## | 150 | 0.000 | 0.755 | 0.000 |
| | 151 | 0.000 | 0.786 | 0.785 |
| | 152 | 0.000 | 0.784 | 0.783 |
| | 153 | 0.000 | 0.794 | 0.787 |
| | 154 | 0.000 | 0.793 | 0.789 |
| | 155 | 0.000 | 0.790 | 0.789 |
| | 156 | 0.000 | 0.789 | 0.000 |
| | | | | |
| | 157 | 0.000 | 0.801 | 0.786 |
| | 158 | 0.000 | 0.796 | 0.781 |
| | 159 | 0.000 | 0.794 | 0.774 |
| | 160 | 0.000 | 0.798 | 0.772 |
| | 161 | 0.000 | 0.799 | 0.000 |
| | 162 | 0.000 | 0.793 | 0.000 |
| ## | | = | ${\tt jansd001_ops_todate}$ | = |
| ## | 1 | 0.500 | 0.000 | 0.000 |

| ## | 2 | 0.750 | 0.000 | 0.333 |
|----------|----------|----------------|----------------|-------|
| ## | 3 | 0.750 | 0.286 | 0.000 |
| ## | 4 | 0.647 | 0.334 | 0.200 |
| ## | 5 | 0.619 | 0.266 | 0.000 |
| ## | 6 | 0.600 | 0.269 | 0.000 |
| ## | 7 | 0.000 | 0.000 | 0.804 |
| ## | 8 | 0.543 | 0.269 | 0.000 |
| ## | 9 | 0.538 | 0.000 | 0.573 |
| ## | 10 | 0.481 | 0.345 | 0.000 |
| ## | 11 | 0.000 | 0.379 | 0.000 |
| ## | 12 | 0.433 | 0.394 | 0.000 |
| ## | 13 | 0.397 | 0.413 | 0.000 |
| ## | 14 | 0.000 | 0.000 | 0.904 |
| ## | 15 | 0.373 | 0.000 | 0.952 |
| ## | 16 | 0.346 | 0.391 | 0.000 |
| ## ## | 17 18 | 0.394 0.000 | 0.401 0.409 | 0.768 |
| ## | 19 | 0.401 | 0.409 | 0.671 |
| ## | 20 | 0.394 | 0.416 | 0.000 |
| | 21 | 0.444 | 0.462 | 0.000 |
| | 22 | 0.567 | 0.000 | 0.622 |
| | 23 | 0.602 | 0.502 | 0.000 |
| | 24 | 0.573 | 0.000 | 0.560 |
| | 25 | 0.546 | 0.478 | 0.000 |
| | 26 | 0.578 | 0.487 | 0.000 |
| | 27 | 0.643 | 0.506 | 0.000 |
| | 28 | 0.682 | 0.000 | 0.525 |
| ## | 29 | 0.704 | 0.000 | 0.481 |
| ## | 30 | 0.678 | 0.535 | 0.000 |
| ## | 31 | 0.680 | 0.515 | 0.000 |
| ## | 32 | 0.686 | 0.000 | 0.443 |
| ## | 33 | 0.000 | 0.514 | 0.000 |
| ## | 34 | 0.668 | 0.496 | 0.000 |
| ## | 35 | 0.651 | 0.493 | 0.000 |
| ## | 36 | 0.652 | 0.000 | 0.459 |
| ## | 37 | 0.636 | 0.000 | 0.429 |
| ## | | 0.000 | 0.471 | 0.000 |
| ## | | 0.000 | 0.000 | 0.443 |
| ## | | 0.622 | 0.455 | 0.000 |
| ## | | 0.000 | 0.450 | 0.000 |
| ## | | 0.628 | 0.000 | 0.416 |
| ## | | 0.624 | 0.447 | 0.000 |
| ## ## | | 0.626 0.618 | 0.506 0.000 | 0.000 |
| ## | | 0.000 | 0.554 | 0.000 |
| ## | | 0.601 | 0.539 | 0.471 |
| ## | | 0.626 | 0.537 | 0.000 |
| ## | | 0.642 | 0.000 | 0.468 |
| ## | | 0.656 | 0.532 | 0.000 |
| ## | | 0.640 | 0.519 | 0.000 |
| ## | | 0.000 | 0.000 | 0.444 |
| ## | | 0.637 | 0.498 | 0.000 |
| ## | | 0.000 | 0.000 | 0.455 |
| ## | 55 | 0.644 | 0.483 | 0.000 |
| | | | | |

| ## 56 | 0.654 | 0.483 | 0.000 |
|--------|-------|-------------|-------|
| ## 57 | 0.000 | 0.000 | 0.476 |
| ## 58 | 0.000 | 0.500 | 0.000 |
| ## 59 | 0.651 | 0.000 | 0.505 |
| ## 60 | 0.000 | 0.489 | 0.000 |
| ## 61 | 0.671 | 0.498 | 0.000 |
| ## 62 | 0.671 | 0.000 | 0.512 |
| ## 63 | 0.000 | 0.496 | 0.000 |
| ## 64 | 0.668 | 0.000 | 0.492 |
| ## 65 | 0.658 | 0.524 | 0.000 |
| ## 66 | 0.655 | 0.511 | 0.000 |
| ## 67 | | | |
| | 0.000 | 0.000 | 0.520 |
| ## 68 | 0.000 | 0.532 | 0.000 |
| ## 69 | 0.638 | 0.000 | 0.525 |
| ## 70 | 0.638 | 0.522 | 0.000 |
| ## 71 | 0.000 | 0.507 | 0.000 |
| ## 72 | 0.627 | 0.000 | 0.502 |
| ## 73 | 0.617 | 0.498 | 0.000 |
| ## 74 | 0.606 | 0.500 | 0.000 |
| ## 75 | 0.000 | 0.000 | 0.479 |
| ## 76 | 0.604 | 0.490 | 0.000 |
| ## 77 | 0.000 | 0.000 | 0.477 |
| ## 78 | 0.608 | 0.490 | 0.000 |
| ## 79 | 0.000 | 0.000 | 0.458 |
| ## 80 | 0.000 | 0.498 | 0.000 |
| ## 81 | 0.606 | 0.543 | 0.000 |
| ## 82 | 0.000 | 0.545 | 0.000 |
| ## 83 | 0.604 | 0.559 | 0.000 |
| ## 84 | 0.602 | 0.000 | 0.484 |
| ## 85 | 0.000 | 0.548 | 0.000 |
| ## 86 | 0.597 | 0.587 | 0.000 |
| ## 87 | 0.630 | 0.601 | 0.000 |
| ## 88 | 0.640 | 0.652 | 0.000 |
| ## 89 | 0.658 | 0.660 | 0.000 |
| ## 90 | 0.650 | 0.650 | 0.489 |
| ## 91 | 0.000 | 0.661 | 0.000 |
| ## 92 | 0.000 | 0.662 | 0.000 |
| ## 93 | 0.648 | 0.000 | 0.471 |
| ## 94 | 0.000 | 0.667 | 0.000 |
| ## 95 | 0.644 | 0.664 | 0.000 |
| ## 96 | 0.000 | 0.664 | 0.000 |
| ## 97 | 0.000 | 0.000 | 0.463 |
| ## 98 | 0.644 | 0.661 | 0.000 |
| ## 99 | 0.000 | 0.656 | 0.000 |
| ## 100 | 0.651 | 0.646 | 0.000 |
| ## 101 | 0.641 | 0.000 | 0.455 |
| ## 102 | 0.000 | 0.641 | 0.000 |
| ## 103 | 0.000 | 0.000 | 0.446 |
| ## 104 | 0.635 | 0.630 | 0.000 |
| ## 105 | 0.639 | 0.628 | 0.000 |
| ## 106 | 0.675 | 0.617 | 0.000 |
| ## 107 | 0.668 | 0.000 | 0.000 |
| ## 108 | 0.664 | 0.615 | 0.000 |
| ## 109 | 0.657 | 0.622 | 0.000 |
| | | | |

| | 440 | 0.054 | 0.000 | 2 222 |
|----|-----|---------------------|---------------------|---------------------|
| | 110 | 0.654 | 0.000 | 0.000 |
| | 111 | 0.000 | 0.643 | 0.000 |
| | 112 | 0.663 | 0.635 | 0.000 |
| ## | 113 | 0.000 | 0.000 | 0.000 |
| ## | 114 | 0.663 | 0.625 | 0.000 |
| ## | 115 | 0.000 | 0.000 | 0.000 |
| ## | 116 | 0.683 | 0.628 | 0.000 |
| ## | 117 | 0.680 | 0.000 | 0.000 |
| ## | 118 | 0.000 | 0.000 | 0.000 |
| ## | 119 | 0.682 | 0.638 | 0.000 |
| ## | 120 | 0.000 | 0.638 | 0.000 |
| ## | 121 | 0.682 | 0.000 | 0.000 |
| ## | 122 | 0.693 | 0.658 | 0.000 |
| ## | 123 | 0.686 | 0.000 | 0.000 |
| ## | 124 | 0.678 | 0.663 | 0.000 |
| ## | 125 | 0.676 | 0.672 | 0.000 |
| ## | 126 | 0.000 | 0.000 | 0.000 |
| ## | 127 | 0.682 | 0.667 | 0.000 |
| ## | 128 | 0.680 | 0.662 | 0.000 |
| | 129 | 0.672 | 0.000 | 0.000 |
| | 130 | 0.000 | 0.656 | 0.000 |
| | 131 | 0.662 | 0.000 | 0.000 |
| | 132 | 0.000 | 0.656 | 0.000 |
| | 133 | 0.656 | 0.000 | 0.000 |
| | 134 | 0.000 | 0.000 | 0.000 |
| | 135 | 0.655 | 0.654 | 0.000 |
| | 136 | 0.648 | 0.000 | 0.000 |
| | 137 | 0.655 | 0.651 | 0.000 |
| | 138 | 0.650 | 0.000 | 0.000 |
| | 139 | 0.649 | 0.646 | 0.000 |
| | 140 | 0.000 | 0.000 | 0.000 |
| ## | 141 | 0.000 | 0.000 | 0.000 |
| ## | 142 | 0.643 | 0.644 | 0.000 |
| | 143 | 0.000 | 0.000 | 0.000 |
| ## | 144 | 0.644 | 0.636 | 0.000 |
| ## | 145 | 0.000 | 0.000 | 0.000 |
| | 146 | 0.644 | 0.641 | 0.000 |
| | 147 | 0.000 | 0.000 | 0.000 |
| | 148 | 0.000 | 0.000 | 0.000 |
| | 149 | 0.651 | 0.637 | 0.000 |
| | 150 | 0.652 | 0.000 | 0.000 |
| ## | 151 | 0.000 | 0.641 | 0.000 |
| ## | 152 | 0.650 | 0.000 | 0.000 |
| ## | 153 | 0.000 | 0.000 | 0.000 |
| ## | 154 | 0.000 | 0.649 | 0.000 |
| ## | | 0.646 | | |
| | 155 | | 0.000 | 0.439 |
| ## | 156 | 0.646 | 0.000 | 0.000 |
| ## | 157 | 0.651 | 0.637 | 0.000 |
| ## | 158 | 0.650 | 0.000 | 0.000 |
| ## | 159 | 0.645 | 0.000 | 0.428 |
| ## | 160 | 0.000 | 0.000 | 0.000 |
| ## | 161 | 0.642 | 0.639 | 0.000 |
| ## | 162 | 0.000 | 0.000 | 0.440 |
| ## | | mcgur002_ops_todate | galvi001_ops_season | blchbUU1_ops_season |

| ## 1 | 0.000 | 0.734 | 0.000 |
|-------|-------|-------|-------|
| ## 2 | 0.000 | 0.734 | 0.000 |
| ## 3 | 0.000 | 0.734 | 0.000 |
| ## 4 | 0.000 | 0.000 | 0.000 |
| ## 5 | 0.000 | 0.734 | 0.000 |
| ## 6 | 0.000 | 0.734 | 0.000 |
| ## 7 | 0.000 | 0.734 | 0.000 |
| ## 8 | 0.000 | 0.734 | 0.000 |
| ## 9 | 0.000 | 0.734 | 0.000 |
| ## 10 | 0.000 | 0.734 | 0.000 |
| ## 11 | 0.000 | 0.734 | 0.000 |
| ## 12 | 0.000 | 0.734 | 0.000 |
| ## 13 | 0.000 | 0.734 | 0.000 |
| ## 14 | | | |
| | 0.000 | 0.734 | 0.000 |
| ## 15 | 0.000 | 0.734 | 0.000 |
| ## 16 | 0.000 | 0.734 | 0.000 |
| ## 17 | 0.000 | 0.734 | 0.000 |
| ## 18 | 0.000 | 0.734 | 0.000 |
| ## 19 | 0.000 | 0.734 | 0.000 |
| ## 20 | 0.000 | 0.734 | 0.000 |
| ## 21 | 0.000 | 0.734 | 0.000 |
| ## 22 | 0.000 | 0.734 | 0.000 |
| ## 23 | 0.000 | 0.734 | 0.000 |
| ## 24 | 0.000 | 0.000 | 0.000 |
| ## 25 | 0.000 | 0.000 | 0.000 |
| ## 26 | 0.000 | 0.000 | 0.000 |
| ## 27 | 0.000 | 0.000 | 0.000 |
| ## 28 | 0.000 | 0.000 | 0.000 |
| ## 29 | 0.000 | 0.734 | 0.000 |
| ## 30 | 0.000 | 0.734 | 0.000 |
| ## 31 | 0.000 | 0.734 | 0.000 |
| ## 32 | 0.000 | 0.734 | 0.000 |
| ## 33 | 0.000 | 0.734 | 0.000 |
| ## 34 | 0.000 | 0.734 | 0.000 |
| ## 35 | 0.000 | 0.734 | 0.000 |
| ## 36 | 0.000 | 0.734 | 0.000 |
| ## 37 | 0.000 | 0.734 | 0.000 |
| ## 38 | 0.000 | 0.734 | 0.000 |
| ## 39 | 0.000 | 0.734 | 0.000 |
| ## 40 | 0.000 | 0.734 | 0.000 |
| ## 41 | 0.000 | 0.734 | 0.000 |
| ## 42 | 0.000 | 0.734 | 0.000 |
| ## 43 | 0.000 | 0.734 | 0.000 |
| ## 44 | 0.000 | 0.734 | 0.000 |
| ## 45 | 0.000 | 0.734 | 0.000 |
| ## 46 | 0.000 | 0.734 | 0.000 |
| ## 47 | 0.000 | 0.734 | 0.000 |
| ## 48 | 0.000 | 0.734 | 0.000 |
| ## 49 | 0.000 | 0.734 | 0.000 |
| ## 50 | 0.000 | 0.734 | 0.000 |
| ## 51 | 0.000 | 0.734 | 0.000 |
| ## 52 | 0.000 | 0.734 | 0.000 |
| ## 53 | 0.000 | 0.734 | 0.000 |
| ## 54 | 0.000 | 0.734 | 0.000 |
| | | | |

| ## | 55 | 0.000 | 0.000 | 0.000 |
|----|-----|-------|-------|-------|
| ## | 56 | 0.000 | 0.734 | 0.000 |
| ## | 57 | 0.000 | 0.734 | 0.000 |
| ## | 58 | 0.000 | 0.734 | 0.000 |
| | 59 | 0.000 | 0.734 | 0.000 |
| ## | 60 | 0.000 | 0.734 | 0.000 |
| ## | 61 | 0.000 | 0.734 | 0.000 |
| ## | 62 | 0.000 | 0.734 | 0.000 |
| ## | 63 | 0.000 | 0.734 | 0.000 |
| ## | 64 | 0.000 | 0.000 | 0.000 |
| ## | 65 | 0.000 | 0.734 | 0.000 |
| ## | 66 | | | |
| | | 0.000 | 0.734 | 0.000 |
| ## | 67 | 0.000 | 0.734 | 0.000 |
| ## | 68 | 0.000 | 0.734 | 0.000 |
| ## | 69 | 0.000 | 0.734 | 0.000 |
| ## | 70 | 0.000 | 0.734 | 0.000 |
| ## | 71 | 0.000 | 0.734 | 0.000 |
| ## | 72 | 0.000 | 0.734 | 0.000 |
| | 73 | 0.000 | 0.734 | 0.000 |
| | 74 | 0.000 | 0.734 | 0.000 |
| | 75 | 0.000 | 0.734 | 0.000 |
| | 76 | 0.000 | 0.734 | 0.000 |
| ## | 77 | 0.000 | 0.734 | 0.000 |
| ## | 78 | 0.000 | 0.734 | 0.000 |
| | 79 | 0.000 | 0.734 | 0.000 |
| ## | 80 | 0.000 | 0.734 | 0.000 |
| ## | 81 | 0.000 | 0.734 | 0.000 |
| ## | 82 | 0.000 | 0.734 | 0.000 |
| ## | 83 | 0.000 | 0.734 | 0.000 |
| ## | 84 | 0.000 | 0.734 | 0.000 |
| ## | 85 | 0.000 | 0.734 | 0.000 |
| ## | 86 | 0.000 | 0.734 | 0.000 |
| ## | 87 | 0.000 | 0.734 | 0.000 |
| ## | 88 | 0.000 | 0.734 | 0.000 |
| ## | 89 | 0.000 | 0.734 | 0.000 |
| ## | 90 | 0.000 | 0.734 | 0.000 |
| ## | 91 | 0.000 | 0.734 | 0.000 |
| ## | 92 | 0.000 | 0.734 | 0.000 |
| ## | 93 | 0.000 | 0.734 | 0.000 |
| ## | 94 | 0.000 | 0.734 | 0.000 |
| ## | 95 | 0.000 | 0.734 | 0.000 |
| ## | 96 | 0.000 | 0.734 | 0.000 |
| ## | 97 | 0.000 | 0.734 | 0.000 |
| ## | 98 | 0.000 | 0.734 | 0.000 |
| ## | 99 | 0.000 | 0.734 | 0.000 |
| ## | 100 | 0.000 | 0.734 | 0.000 |
| ## | 101 | 0.000 | 0.734 | 0.000 |
| ## | 102 | 0.000 | 0.734 | 0.000 |
| | 103 | 0.000 | 0.734 | 0.000 |
| | 104 | 0.000 | 0.734 | 0.000 |
| | 105 | 0.000 | 0.734 | 0.000 |
| | 106 | 0.000 | 0.734 | 0.000 |
| | 107 | 0.400 | 0.734 | 0.000 |
| | 108 | 0.000 | 0.000 | 0.929 |
| | • | | | |

| ## | 109 | 0.000 | 0.734 | 0.929 |
|----|-----|-------|-------|-------|
| ## | 110 | 0.444 | 0.734 | 0.929 |
| ## | 111 | 0.000 | 0.734 | 0.929 |
| ## | 112 | 0.000 | 0.734 | 0.929 |
| ## | 113 | 0.693 | 0.734 | 0.929 |
| ## | 114 | 0.000 | 0.000 | 0.929 |
| ## | 115 | 0.529 | 0.734 | 0.929 |
| ## | 116 | 0.000 | 0.734 | 0.929 |
| ## | 117 | 0.429 | 0.734 | 0.929 |
| ## | 118 | 0.840 | 0.734 | 0.929 |
| ## | 119 | 0.000 | 0.734 | 0.929 |
| ## | 120 | 0.000 | 0.734 | 0.929 |
| ## | 121 | 0.778 | 0.734 | 0.929 |
| ## | 122 | 0.000 | 0.000 | 0.929 |
| ## | 123 | 0.700 | 0.000 | 0.929 |
| ## | 124 | 0.000 | 0.000 | 0.929 |
| ## | 125 | 0.000 | 0.000 | 0.929 |
| ## | 126 | 0.853 | 0.000 | 0.929 |
| ## | 127 | 0.000 | 0.000 | 0.929 |
| ## | 128 | 0.000 | 0.000 | 0.929 |
| ## | 129 | 0.763 | 0.000 | 0.929 |
| ## | 130 | 0.000 | 0.000 | 0.929 |
| ## | 131 | 0.738 | 0.000 | 0.929 |
| ## | 132 | 0.000 | 0.000 | 0.929 |
| ## | 133 | 0.689 | 0.000 | 0.929 |
| ## | 134 | 0.760 | 0.000 | 0.929 |
| ## | 135 | 0.000 | 0.000 | 0.929 |
| ## | 136 | 0.894 | 0.000 | 0.929 |
| ## | 137 | 0.000 | 0.000 | 0.929 |
| ## | 138 | 0.843 | 0.000 | 0.929 |
| ## | 139 | 0.000 | 0.000 | 0.929 |
| ## | 140 | 0.000 | 0.000 | 0.929 |
| ## | 141 | 0.891 | 0.000 | 0.929 |
| ## | 142 | 0.000 | 0.000 | 0.929 |
| ## | 143 | 0.865 | 0.000 | 0.929 |
| ## | 144 | 0.000 | 0.000 | 0.929 |
| ## | 145 | 0.943 | 0.000 | 0.929 |
| ## | 146 | 0.000 | 0.000 | 0.929 |
| ## | 147 | 0.934 | 0.000 | 0.929 |
| ## | 148 | 0.911 | 0.000 | 0.929 |
| ## | 149 | 0.000 | 0.000 | 0.929 |
| ## | 150 | 0.891 | 0.000 | 0.929 |
| ## | 151 | 0.000 | 0.000 | 0.929 |
| ## | 152 | 0.960 | 0.000 | 0.929 |
| ## | 153 | 0.956 | 0.000 | 0.929 |
| ## | 154 | 0.000 | 0.000 | 0.000 |
| | 155 | 0.000 | 0.000 | 0.000 |
| | 156 | 0.925 | 0.000 | 0.000 |
| | 157 | 0.000 | 0.000 | 0.000 |
| ## | 158 | 0.908 | 0.000 | 0.000 |
| ## | 159 | 0.000 | 0.000 | 0.000 |
| | 160 | 0.872 | 0.000 | 0.000 |
| | 161 | 0.000 | 0.000 | 0.000 |
| ## | 162 | 0.000 | 0.000 | 0.000 |
| | | | | |

| шш | | | f: -1 1004 | |
|----------|----|---------------------------|---------------------------|-------|
| ## ## | 1 | gurrioui_ops_season 0.868 | fishd001_ops_season 0.000 | 0.719 |
| | 2 | 0.868 | 0.000 | 0.719 |
| | 3 | 0.000 | 0.000 | 0.719 |
| | 4 | 0.868 | 0.000 | 0.719 |
| | 5 | 0.868 | 0.000 | 0.000 |
| | 6 | 0.000 | 0.000 | 0.000 |
| | 7 | 0.868 | 0.000 | 0.000 |
| | 8 | 0.868 | 0.000 | 0.000 |
| | 9 | 0.000 | 0.000 | 0.000 |
| | 10 | 0.868 | 0.000 | 0.000 |
| | 11 | 0.000 | 0.000 | 0.000 |
| | 12 | 0.868 | 0.000 | 0.000 |
| | 13 | 0.868 | 0.000 | 0.000 |
| | 14 | 0.868 | 0.000 | 0.000 |
| | 15 | 0.868 | 0.000 | 0.000 |
| | 16 | 0.868 | 0.000 | 0.000 |
| | 17 | 0.000 | 0.000 | 0.000 |
| | 18 | 0.000 | 0.000 | 0.000 |
| ## | 19 | 0.000 | 0.000 | 0.000 |
| ## | 20 | 0.000 | 0.000 | 0.000 |
| ## | 21 | 0.000 | 0.000 | 0.000 |
| ## | 22 | 0.000 | 0.000 | 0.000 |
| ## | 23 | 0.000 | 0.000 | 0.000 |
| ## | 24 | 0.000 | 0.000 | 0.000 |
| | 25 | 0.000 | 0.000 | 0.000 |
| | 26 | 0.000 | 0.000 | 0.000 |
| | 27 | 0.000 | 0.000 | 0.000 |
| | 28 | 0.000 | 0.000 | 0.000 |
| | 29 | 0.000 | 0.000 | 0.000 |
| | 30 | 0.000 | 0.000 | 0.000 |
| | 31 | 0.000 | 0.000 | 0.000 |
| | 32 | 0.000 | 0.000 | 0.000 |
| | 33 | 0.000 | 0.000 | 0.000 |
| | 34 | 0.000 | 0.000 | 0.000 |
| | 35 | 0.000 | 0.000 | 0.000 |
| | 36 | 0.000 | 0.000 | 0.000 |
| ## | | 0.000 | 0.000 | 0.000 |
| ## ## | | 0.000 | 0.000 | 0.000 |
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| ## | | 0.000 | 0.000 | 0.000 |
| ## | | 0.000 | 0.000 | 0.000 |
| ## | | 0.868 | 0.000 | 0.000 |
| ## | | 0.868 | 0.000 | 0.000 |
| ## | 53 | 0.868 | 0.000 | 0.000 |
| | | | | |

| ## 54 | 0.868 | 0.000 | 0.000 |
|----------------|-------|-------|-------|
| ## 55 | 0.868 | 0.000 | 0.000 |
| ## 56 | 0.868 | 0.000 | 0.000 |
| ## 57 | 0.868 | 0.000 | 0.000 |
| ## 58 | 0.868 | 0.000 | 0.000 |
| ## 59 | 0.000 | 0.000 | 0.000 |
| ## 60 | 0.868 | 0.000 | 0.000 |
| ## 61 | 0.868 | 0.000 | 0.000 |
| ## 62 | 0.868 | 0.000 | 0.000 |
| ## 63 | 0.868 | 0.000 | 0.000 |
| ## 64 | 0.868 | 0.000 | 0.000 |
| ## 65 | 0.868 | | |
| | | 0.000 | 0.000 |
| ## 66 ## 67 | 0.868 | 0.000 | 0.000 |
| ## 67 | 0.868 | 0.000 | 0.000 |
| ## 68 | 0.868 | 0.000 | 0.000 |
| ## 69 | 0.868 | 0.000 | 0.000 |
| ## 70 | 0.868 | 0.000 | 0.000 |
| ## 71 | 0.868 | 0.000 | 0.000 |
| ## 72 | 0.000 | 0.000 | 0.000 |
| ## 73 | 0.868 | 0.000 | 0.000 |
| ## 74 | 0.868 | 0.000 | 0.000 |
| ## 75 | 0.868 | 0.000 | 0.000 |
| ## 76 | 0.868 | 0.000 | 0.000 |
| ## 77 | 0.868 | 0.000 | 0.000 |
| ## 78 | 0.868 | 0.000 | 0.000 |
| ## 79 | 0.868 | 0.000 | 0.000 |
| ## 80 | 0.868 | 0.000 | 0.000 |
| ## 81 | 0.868 | 0.000 | 0.000 |
| ## 82 | 0.868 | 0.000 | 0.000 |
| ## 83 | 0.868 | 0.000 | 0.000 |
| ## 84 | 0.868 | 0.000 | 0.000 |
| ## 85 | 0.868 | 0.000 | 0.000 |
| ## 86 | 0.868 | 0.000 | 0.000 |
| ## 87 | 0.868 | 0.000 | 0.000 |
| ## 88 | 0.868 | 0.000 | 0.000 |
| ## 89 | 0.000 | 0.000 | 0.000 |
| ## 90 | 0.868 | 0.000 | 0.000 |
| ## 91 | 0.868 | 0.000 | 0.000 |
| ## 92 | 0.868 | 0.000 | 0.000 |
| ## 93 | 0.868 | 0.000 | 0.000 |
| ## 94 | 0.868 | 0.000 | 0.000 |
| ## 95 | 0.868 | 0.000 | 0.000 |
| ## 96 | 0.868 | 0.000 | 0.000 |
| ## 97 | 0.868 | 0.000 | 0.000 |
| ## 98 | 0.868 | 0.000 | 0.000 |
| ## 99 | 0.868 | 0.000 | 0.000 |
| ## 100 | 0.868 | 0.000 | 0.000 |
| ## 101 | 0.868 | 0.000 | 0.000 |
| ## 102 | 0.868 | 0.000 | 0.000 |
| ## 103 | 0.000 | 0.000 | 0.000 |
| ## 104 | 0.868 | 0.000 | 0.000 |
| ## 105 | 0.868 | 0.000 | 0.000 |
| ## 106 | 0.868 | 0.000 | 0.000 |
| ## 107 | 0.868 | 0.000 | 0.000 |
| | | | |

| ## | 108 | 0.000 | 0.000 | 0.000 |
|----------|------------|-------|----------------|-------|
| ## | 109 | 0.868 | 0.000 | 0.000 |
| ## | 110 | 0.868 | 0.000 | 0.000 |
| ## | 111 | 0.000 | 0.000 | 0.000 |
| ## | 112 | 0.868 | 0.657 | 0.000 |
| ## | 113 | 0.868 | 0.657 | 0.000 |
| ## | 114 | 0.868 | 0.000 | 0.000 |
| ## | 115 | 0.868 | 0.657 | 0.000 |
| ## | 116 | 0.868 | 0.000 | 0.000 |
| ## | 117 | 0.868 | 0.657 | 0.000 |
| ## | 118 | 0.868 | 0.657 | 0.000 |
| ## | 119 | 0.000 | 0.657 | 0.000 |
| ## | 120 | 0.000 | 0.657 | 0.000 |
| ## | 121 | 0.000 | 0.657 | 0.000 |
| ## | 122 | 0.000 | 0.657 | 0.000 |
| ## | 123 | 0.000 | 0.000 | 0.000 |
| ## | 124 | 0.000 | 0.657 | 0.000 |
| ## ## | 125 126 | 0.000 | 0.657 | 0.000 |
| ## | 127 | 0.000 | 0.657 | 0.000 |
| ## | 128 | 0.000 | 0.000 0.657 | 0.000 |
| ## | 129 | 0.000 | 0.000 | 0.000 |
| ## | 130 | 0.000 | 0.657 | 0.000 |
| ## | 131 | 0.000 | 0.657 | 0.000 |
| ## | 132 | 0.000 | 0.000 | 0.000 |
| ## | 133 | 0.000 | 0.657 | 0.000 |
| ## | 134 | 0.000 | 0.657 | 0.000 |
| ## | 135 | 0.000 | 0.000 | 0.000 |
| ## | 136 | 0.000 | 0.657 | 0.000 |
| ## | 137 | 0.000 | 0.657 | 0.000 |
| ## | 138 | 0.000 | 0.000 | 0.000 |
| ## | 139 | 0.000 | 0.000 | 0.000 |
| ## | 140 | 0.000 | 0.657 | 0.000 |
| ## | 141 | 0.000 | 0.657 | 0.000 |
| ## | 142 | 0.000 | 0.000 | 0.000 |
| ## | 143 | 0.000 | 0.657 | 0.000 |
| ## | 144 | 0.000 | 0.000 | 0.000 |
| ## | 145 | 0.000 | 0.657 | 0.000 |
| ## | 146 | 0.000 | 0.000 | 0.000 |
| ## | 147 | 0.000 | 0.657 | 0.000 |
| | 148 | 0.000 | 0.000 | 0.000 |
| | 149 | 0.868 | 0.000 | 0.000 |
| | 150 | 0.000 | 0.000 | 0.000 |
| | 151 | 0.868 | 0.000 | 0.000 |
| | 152 | 0.000 | 0.657 | 0.000 |
| | 153 | 0.868 | 0.657 | 0.000 |
| | 154 | 0.868 | 0.000 | 0.000 |
| | 155 | 0.868 | 0.000 | 0.000 |
| | 156 | 0.000 | 0.657 | 0.000 |
| | 157 | 0.000 | 0.000 | 0.000 |
| | 158 | 0.000 | 0.657 | 0.000 |
| | 159 | 0.000 | 0.657 | 0.000 |
| | 160 | 0.000 | 0.657 | 0.000 |
| ## | 161 | 0.000 | 0.000 | 0.000 |
| | | | | |

| ## | 162 | 0.000 | 0.000 | 0.000 |
|----------|-----|----------------|---------------------|----------------|
| ## | | | davij007_ops_season | |
| ## | 1 | 0.778 | 0.000 | 0.737 |
| ## | 2 | 0.778 | 0.000 | 0.737 |
| ## | 3 | 0.778 | 0.000 | 0.000 |
| ## | 4 | 0.778 | 0.000 | 0.737 |
| ## | 5 | 0.778 | 0.000 | 0.737 |
| ## | 6 | 0.778 | 0.000 | 0.000 |
| | 7 | 0.778 | 0.000 | 0.737 |
| ## | | 0.000 | 0.000 | 0.737 |
| ## | | 0.778 | 0.000 | 0.737 |
| | 10 | 0.778 | 0.000 | 0.737 |
| | 11 | 0.778 | 0.000 | 0.737 |
| ## | 12 | 0.778 | 0.000 | 0.737 |
| ## | 13 | 0.000 | 0.000 | 0.737 |
| ## | 14 | 0.778 | 0.000 | 0.737 |
| ## | 15 | 0.778 | 0.000 | 0.737 |
| ## | 16 | 0.000 | 0.000 | 0.737 |
| ## | | 0.778 | 0.000 | 0.737 |
| | 18 | 0.778 | 0.000 | 0.737 |
| | 19 | 0.778 | 0.000 | 0.737 |
| ## ## | | 0.778 | 0.000 | 0.737 |
| ## | | 0.778 | 0.000 | 0.737 |
| ## | | 0.778 0.778 | 0.000 | 0.737 0.737 |
| ## | | 0.000 | 0.000 | 0.737 |
| ## | | 0.778 | 0.000 | 0.737 |
| ## | | 0.778 | 0.000 | 0.737 |
| ## | | 0.778 | 0.000 | 0.737 |
| ## | | 0.000 | 0.000 | 0.737 |
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| ## | | 0.778 | 0.000 | 0.737 |
| ## | | 0.778 | 0.000 | 0.737 |
| ## | | 0.778 | 0.000 | 0.737 |
| ## | 33 | 0.000 | 0.000 | 0.737 |
| ## | 34 | 0.778 | 0.000 | 0.737 |
| ## | 35 | 0.778 | 0.000 | 0.737 |
| ## | 36 | 0.778 | 0.000 | 0.737 |
| ## | 37 | 0.000 | 0.000 | 0.737 |
| ## | 38 | 0.778 | 0.531 | 0.737 |
| ## | 39 | 0.778 | 0.000 | 0.737 |
| ## | | 0.778 | 0.531 | 0.737 |
| ## | | 0.000 | 0.531 | 0.737 |
| ## | | 0.778 | 0.000 | 0.737 |
| ## | | 0.000 | 0.531 | 0.737 |
| ## | | 0.000 | 0.000 | 0.737 |
| ## | | 0.000 | 0.000 | 0.737 |
| ## | | 0.000 | 0.531 | 0.737 |
| ## | | 0.000 | 0.531 | 0.737 |
| ## | | 0.000 | 0.531 | 0.737 |
| ## | | 0.000 | 0.531 | 0.737 |
| ## | | 0.000 | 0.531 | 0.000 |
| ## | | 0.000 | 0.000 | 0.737 |
| ## | 52 | 0.000 | 0.531 | 0.737 |

| ## | 53 | 0.000 | 0.000 | 0.737 |
|----|-----|-------|-------|-------|
| ## | 54 | 0.000 | 0.531 | 0.737 |
| ## | 55 | 0.000 | 0.531 | 0.737 |
| ## | 56 | 0.000 | 0.531 | 0.737 |
| ## | 57 | 0.000 | 0.531 | 0.737 |
| ## | 58 | 0.000 | 0.531 | 0.737 |
| ## | 59 | 0.000 | 0.000 | 0.737 |
| ## | | 0.000 | 0.000 | 0.737 |
| ## | 61 | 0.778 | 0.000 | 0.737 |
| ## | 62 | 0.778 | 0.000 | 0.737 |
| ## | 63 | 0.778 | 0.000 | 0.737 |
| ## | 64 | 0.778 | 0.000 | 0.737 |
| ## | 65 | 0.778 | 0.000 | 0.737 |
| ## | 66 | 0.778 | 0.000 | 0.737 |
| ## | 67 | 0.778 | 0.000 | 0.737 |
| ## | 68 | 0.778 | 0.000 | 0.000 |
| ## | 69 | 0.000 | 0.000 | 0.737 |
| ## | 70 | 0.778 | 0.000 | 0.737 |
| ## | 71 | 0.778 | 0.000 | 0.737 |
| ## | 72 | 0.778 | 0.000 | 0.737 |
| ## | 73 | 0.000 | 0.000 | 0.737 |
| | 74 | 0.000 | 0.000 | 0.737 |
| ## | 75 | 0.778 | 0.000 | 0.737 |
| ## | 76 | 0.778 | 0.000 | 0.737 |
| ## | 77 | 0.778 | 0.000 | 0.737 |
| ## | 78 | 0.000 | 0.000 | 0.737 |
| ## | 79 | 0.000 | 0.000 | 0.737 |
| ## | 80 | 0.778 | 0.000 | 0.737 |
| ## | 81 | 0.778 | 0.000 | 0.737 |
| ## | 82 | 0.778 | 0.000 | 0.737 |
| ## | 83 | 0.000 | 0.000 | 0.737 |
| ## | 84 | 0.778 | 0.000 | 0.000 |
| ## | 85 | 0.778 | 0.000 | 0.737 |
| ## | 86 | 0.000 | 0.000 | 0.737 |
| ## | 87 | 0.000 | 0.000 | 0.737 |
| ## | 88 | 0.778 | 0.000 | 0.000 |
| ## | 89 | 0.778 | 0.000 | 0.000 |
| ## | 90 | 0.778 | 0.000 | 0.000 |
| ## | 91 | 0.778 | 0.000 | 0.000 |
| ## | 92 | 0.778 | 0.000 | 0.737 |
| ## | 93 | 0.000 | 0.000 | 0.737 |
| ## | 94 | 0.778 | 0.000 | 0.737 |
| ## | 95 | 0.000 | 0.000 | 0.737 |
| ## | 96 | 0.778 | 0.000 | 0.737 |
| ## | 97 | 0.778 | 0.000 | 0.737 |
| ## | 98 | 0.778 | 0.000 | 0.737 |
| ## | 99 | 0.778 | 0.000 | 0.000 |
| | 100 | 0.778 | 0.000 | 0.737 |
| | 101 | 0.778 | 0.000 | 0.737 |
| | 102 | 0.000 | 0.000 | 0.737 |
| | 103 | 0.778 | 0.000 | 0.737 |
| | 104 | 0.778 | 0.000 | 0.737 |
| | 105 | 0.778 | 0.000 | 0.737 |
| | 106 | 0.778 | 0.000 | 0.737 |
| | | | | |

| ## | 107 | 0.778 | 0.000 | 0.000 |
|----|-----|-------|-------|-------|
| | 108 | 0.778 | 0.000 | 0.737 |
| | 109 | 0.778 | 0.000 | 0.737 |
| ## | 110 | 0.000 | 0.000 | 0.737 |
| ## | | | 0.000 | 0.737 |
| | 111 | 0.778 | | |
| ## | 112 | 0.000 | 0.000 | 0.000 |
| | 113 | 0.778 | 0.000 | 0.737 |
| | 114 | 0.778 | 0.000 | 0.737 |
| | 115 | 0.000 | 0.000 | 0.737 |
| | 116 | 0.778 | 0.000 | 0.737 |
| | 117 | 0.778 | 0.000 | 0.737 |
| | 118 | 0.000 | 0.000 | 0.737 |
| | 119 | 0.778 | 0.000 | 0.737 |
| | 120 | 0.778 | 0.000 | 0.737 |
| | 121 | 0.778 | 0.000 | 0.737 |
| | 122 | 0.778 | 0.000 | 0.737 |
| | 123 | 0.778 | 0.000 | 0.737 |
| | 124 | 0.778 | 0.000 | 0.737 |
| | 125 | 0.778 | 0.000 | 0.737 |
| | 126 | 0.000 | 0.000 | 0.737 |
| | 127 | 0.778 | 0.000 | 0.737 |
| | 128 | 0.778 | 0.000 | 0.737 |
| | 129 | 0.778 | 0.000 | 0.737 |
| | 130 | 0.000 | 0.000 | 0.737 |
| ## | 131 | 0.778 | 0.000 | 0.737 |
| ## | 132 | 0.778 | 0.000 | 0.737 |
| ## | 133 | 0.778 | 0.000 | 0.737 |
| ## | 134 | 0.000 | 0.000 | 0.737 |
| ## | 135 | 0.778 | 0.000 | 0.737 |
| ## | 136 | 0.778 | 0.000 | 0.737 |
| ## | 137 | 0.778 | 0.000 | 0.737 |
| ## | 138 | 0.000 | 0.000 | 0.737 |
| ## | 139 | 0.778 | 0.000 | 0.737 |
| ## | 140 | 0.778 | 0.000 | 0.737 |
| ## | 141 | 0.778 | 0.000 | 0.737 |
| ## | 142 | 0.778 | 0.531 | 0.737 |
| ## | 143 | 0.000 | 0.531 | 0.000 |
| ## | 144 | 0.778 | 0.531 | 0.737 |
| ## | 145 | 0.000 | 0.531 | 0.737 |
| ## | 146 | 0.778 | 0.531 | 0.737 |
| ## | 147 | 0.000 | 0.000 | 0.737 |
| | 148 | 0.778 | 0.000 | 0.737 |
| | 149 | 0.778 | 0.531 | 0.737 |
| ## | 150 | 0.778 | 0.000 | 0.737 |
| | 151 | 0.778 | 0.000 | 0.737 |
| | 152 | 0.778 | 0.000 | 0.737 |
| | 153 | 0.000 | 0.000 | 0.737 |
| | 154 | 0.778 | 0.000 | 0.737 |
| | 155 | 0.778 | 0.531 | 0.737 |
| | 156 | 0.000 | 0.000 | 0.737 |
| | 157 | 0.778 | 0.531 | 0.737 |
| | 158 | 0.000 | 0.000 | 0.737 |
| | 159 | 0.778 | 0.000 | 0.000 |
| | 160 | 0.778 | 0.000 | 0.737 |
| | | | | 0.707 |

| | 161 | 0.778 | 0.000 | 0.737 |
|----------|-----|----------------|---------------------|----------------|
| | 162 | 0.778 | 0.531 | 0.737 |
| ## | 1 | | smoaj001_ops_season | |
| ## ## | | 0.000 0.696 | 0.748 0.748 | 0.742 |
| ## | | 0.696 | 0.748 | 0.742 |
| ## | | 0.000 | 0.748 | 0.000 |
| ## | | 0.696 | 0.748 | 0.742 |
| ## | | 0.696 | 0.748 | 0.742 |
| ## | | 0.696 | 0.748 | 0.742 |
| ## | | 0.696 | 0.000 | 0.742 |
| ## | | 0.696 | 0.000 | 0.742 |
| ## | | 0.696 | 0.748 | 0.742 |
| | 11 | 0.696 | 0.000 | 0.742 |
| | 12 | 0.696 | 0.000 | 0.000 |
| ## | 13 | 0.696 | 0.748 | 0.742 |
| ## | 14 | 0.696 | 0.748 | 0.000 |
| ## | 15 | 0.000 | 0.748 | 0.742 |
| ## | 16 | 0.696 | 0.748 | 0.742 |
| ## | 17 | 0.696 | 0.748 | 0.000 |
| ## | 18 | 0.000 | 0.748 | 0.742 |
| ## | 19 | 0.696 | 0.748 | 0.742 |
| ## | 20 | 0.696 | 0.748 | 0.742 |
| ## | 21 | 0.696 | 0.748 | 0.000 |
| ## | 22 | 0.696 | 0.748 | 0.742 |
| ## | 23 | 0.696 | 0.748 | 0.742 |
| ## | 24 | 0.696 | 0.748 | 0.742 |
| ## | 25 | 0.000 | 0.748 | 0.742 |
| ## | | 0.696 | 0.748 | 0.742 |
| ## | | 0.000 | 0.748 | 0.742 |
| ## | | 0.696 | 0.748 | 0.742 |
| ## | | 0.000 | 0.748 | 0.742 |
| ## | | 0.696 | 0.748 | 0.742 |
| ## | | 0.000 | 0.748 | 0.742 |
| ## | | 0.000 | 0.748 | 0.742 |
| ## | | 0.696 | 0.748 | 0.742 |
| ## | 35 | 0.000 | 0.748 0.748 | 0.742 0.742 |
| ## ## | | 0.696 | 0.748 | 0.742 |
| ## | | 0.696 | 0.748 | 0.742 |
| ## | | 0.000 | 0.748 | 0.742 |
| ## | | 0.696 | 0.748 | 0.742 |
| ## | | 0.000 | 0.748 | 0.742 |
| ## | | 0.696 | 0.748 | 0.000 |
| ## | | 0.696 | 0.000 | 0.742 |
| ## | | 0.696 | 0.748 | 0.000 |
| ## | | 0.696 | 0.748 | 0.742 |
| ## | | 0.696 | 0.748 | 0.742 |
| ## | | 0.696 | 0.748 | 0.742 |
| ## | | 0.696 | 0.748 | 0.000 |
| ## | | 0.696 | 0.748 | 0.742 |
| ## | | 0.000 | 0.748 | 0.742 |
| ## | | 0.696 | 0.748 | 0.742 |
| ## | 51 | 0.000 | 0.748 | 0.742 |
| | | | | |

| ## | 52 | 0.000 | 0.748 | 0.742 |
|----|-----|-------|-------|-------|
| ## | 53 | 0.000 | 0.748 | 0.000 |
| ## | 54 | 0.000 | 0.000 | 0.742 |
| ## | 55 | 0.000 | 0.748 | 0.742 |
| ## | 56 | 0.000 | 0.748 | 0.742 |
| ## | 57 | 0.000 | 0.000 | 0.742 |
| ## | 58 | 0.000 | 0.748 | 0.000 |
| ## | 59 | 0.000 | 0.748 | 0.000 |
| ## | | 0.000 | 0.748 | 0.742 |
| ## | 61 | 0.000 | 0.748 | 0.000 |
| ## | 62 | 0.000 | 0.748 | 0.000 |
| ## | 63 | 0.000 | 0.000 | 0.742 |
| ## | 64 | 0.000 | 0.748 | 0.742 |
| ## | 65 | 0.000 | 0.748 | 0.000 |
| ## | 66 | 0.000 | 0.748 | 0.000 |
| ## | 67 | 0.000 | 0.748 | 0.742 |
| ## | 68 | 0.000 | 0.748 | 0.742 |
| ## | 69 | 0.000 | 0.748 | 0.742 |
| ## | 70 | 0.000 | 0.000 | 0.742 |
| ## | 71 | 0.000 | 0.000 | 0.742 |
| ## | 72 | 0.000 | 0.000 | 0.742 |
| ## | 73 | 0.000 | 0.000 | 0.742 |
| | 74 | 0.000 | 0.000 | 0.742 |
| | 75 | 0.000 | 0.000 | 0.742 |
| | 76 | 0.696 | 0.000 | 0.000 |
| | 77 | 0.000 | 0.000 | 0.742 |
| ## | 78 | 0.000 | 0.000 | 0.742 |
| ## | 79 | 0.696 | 0.000 | 0.742 |
| ## | 80 | 0.000 | 0.000 | 0.742 |
| ## | 81 | 0.000 | 0.000 | 0.742 |
| ## | 82 | 0.000 | 0.748 | 0.000 |
| ## | 83 | 0.000 | 0.748 | 0.000 |
| ## | 84 | 0.000 | 0.748 | 0.742 |
| ## | 85 | 0.000 | 0.000 | 0.742 |
| ## | 86 | 0.000 | 0.748 | 0.000 |
| ## | 87 | 0.000 | 0.748 | 0.742 |
| ## | 88 | 0.000 | 0.748 | 0.742 |
| ## | | 0.000 | 0.748 | 0.742 |
| ## | | 0.000 | 0.748 | 0.000 |
| ## | 91 | 0.000 | 0.748 | 0.742 |
| ## | 92 | 0.000 | 0.748 | 0.000 |
| ## | 93 | 0.000 | 0.000 | 0.742 |
| ## | | 0.000 | 0.748 | 0.000 |
| ## | | 0.696 | 0.748 | 0.000 |
| ## | | 0.696 | 0.748 | 0.000 |
| ## | | 0.000 | 0.748 | 0.000 |
| ## | | 0.000 | 0.748 | 0.000 |
| ## | | 0.696 | 0.748 | 0.000 |
| | 100 | 0.000 | 0.000 | 0.000 |
| | 101 | 0.000 | 0.748 | 0.000 |
| | 102 | 0.696 | 0.748 | 0.000 |
| | 103 | 0.696 | 0.748 | 0.000 |
| | 104 | 0.000 | 0.748 | 0.000 |
| | 105 | 0.000 | 0.748 | 0.000 |
| | | | | |

| ## | 106 | 0.000 | 0.000 | 0.000 |
|----------|------------|----------------|----------------|-------|
| ## | 107 | 0.696 | 0.748 | 0.000 |
| ## | 108 | 0.696 | 0.748 | 0.000 |
| ## | 109 | 0.000 | 0.000 | 0.000 |
| ## | 110 | 0.696 | 0.748 | 0.000 |
| ## | 111 | 0.696 | 0.748 | 0.000 |
| ## | 112 | 0.000 | 0.748 | 0.000 |
| | 113 | 0.000 | 0.748 | 0.000 |
| | 114 | 0.000 | 0.748 | 0.000 |
| ## | 115 | 0.000 | 0.748 | 0.000 |
| ## | 116 | 0.000 | 0.000 | 0.000 |
| ## | 117 | 0.000 | 0.748 | 0.000 |
| ## | 118 | 0.000 | 0.748 | 0.000 |
| ## | 119 | 0.000 | 0.000 | 0.000 |
| ## | 120 | 0.000 | 0.748 | 0.000 |
| ## | 121 | 0.000 | 0.748 | 0.000 |
| ## | 122 | 0.000 | 0.748 | 0.000 |
| ## | 123 | 0.696 | 0.748 | 0.000 |
| ## | 124 | 0.000 | 0.000 | 0.742 |
| ## | 125 | 0.000 | 0.748 | 0.000 |
| ## | 126 | 0.696 | 0.748 | 0.742 |
| ## | 127 | 0.696 | 0.748 | 0.742 |
| ## | 128 | 0.000 | 0.748 | 0.000 |
| ## ## | 129 130 | 0.696 | 0.000 | 0.742 |
| ## | 131 | 0.696 0.000 | 0.000 0.748 | 0.742 |
| ## | 132 | 0.696 | 0.748 | 0.742 |
| ## | 133 | 0.000 | 0.000 | 0.742 |
| ## | 134 | 0.696 | 0.748 | 0.742 |
| ## | 135 | 0.000 | 0.748 | 0.742 |
| ## | 136 | 0.000 | 0.748 | 0.000 |
| ## | 137 | 0.000 | 0.000 | 0.742 |
| ## | 138 | 0.696 | 0.748 | 0.742 |
| ## | 139 | 0.696 | 0.748 | 0.000 |
| | 140 | 0.000 | 0.000 | 0.742 |
| | 141 | 0.000 | 0.748 | 0.742 |
| | 142 | 0.000 | 0.000 | 0.742 |
| ## | 143 | 0.696 | 0.748 | 0.742 |
| ## | 144 | 0.000 | 0.000 | 0.742 |
| ## | 145 | 0.000 | 0.748 | 0.742 |
| ## | 146 | 0.000 | 0.000 | 0.742 |
| ## | 147 | 0.696 | 0.748 | 0.742 |
| ## | 148 | 0.696 | 0.000 | 0.742 |
| ## | 149 | 0.000 | 0.748 | 0.000 |
| ## | 150 | 0.696 | 0.000 | 0.742 |
| ## | 151 | 0.696 | 0.748 | 0.000 |
| | 152 | 0.000 | 0.000 | 0.742 |
| | 153 | 0.000 | 0.748 | 0.742 |
| | 154 | 0.000 | 0.748 | 0.000 |
| | 155 | 0.000 | 0.000 | 0.000 |
| | 156 | 0.696 | 0.748 | 0.742 |
| | 157 | 0.696 | 0.000 | 0.742 |
| | 158 | 0.000 | 0.000 | 0.742 |
| ## | 159 | 0.696 | 0.000 | 0.742 |
| | | | | |

| ## | 160 | 0.696 | 0.000 | 0.742 |
|----------|----------|--------------|---------------------|-------|
| ## | 161 | 0.000 | 0.748 | 0.742 |
| ## | 162 | 0.000 | 0.748 | 0.742 |
| ## | | | biggc002_ops_season | |
| ## | 1 | 0.00 | 0.000 | 0.000 |
| ## | 2 | 0.00 | 0.000 | 0.000 |
| ## | | 0.00 | 0.000 | 0.000 |
| ## | | 0.00 | 0.000 | 0.000 |
| | 5 | 0.00 | 0.000 | 0.000 |
| ## | 6 | 0.00 | 0.000 | 0.000 |
| | 7 | 0.00 | 0.000 | 0.000 |
| ## | 8 | 0.00 | 0.000 | 0.000 |
| ## | 9 | 0.00 | 0.000 | 0.000 |
| ## | 10 | 0.00 | 0.000 | 0.000 |
| ## | 11 | 0.00 | 0.000 | 0.000 |
| ## | 12 | 0.00 | 0.000 | 0.000 |
| ## | 13 | 0.00 | 0.000 | 0.000 |
| ## ## | 14 15 | 0.00 | 0.000 | 0.000 |
| ## | 16 | 0.00 | 0.000 | 0.000 |
| ## | 17 | | 0.000 | 0.000 |
| ## | 18 | 0.00 0.81 | 0.000 | 0.000 |
| ## | 19 | | 0.000 | 0.000 |
| ## | 20 | 0.81 | 0.000 | 0.000 |
| ## | 21 | 0.81 | 0.000 | 0.000 |
| ## | 22 | 0.81 | 0.000 | 0.000 |
| | 23 | 0.81 0.00 | 0.000 | 0.000 |
| ## | 23 24 | 0.81 | 0.000 | 0.000 |
| ## | 25 | 0.81 | 0.000 | 0.000 |
| ## | 26 | 0.81 | 0.000 | 0.772 |
| | 27 | 0.81 | 0.000 | 0.772 |
| ## | 28 | 0.81 | 0.000 | 0.772 |
| ## | 29 | 0.81 | 0.000 | 0.772 |
| ## | 30 | 0.00 | 0.000 | 0.772 |
| ## | 31 | 0.81 | 0.000 | 0.000 |
| ## | 32 | 0.81 | 0.000 | 0.772 |
| ## | | 0.81 | 0.000 | 0.772 |
| ## | | 0.81 | 0.000 | 0.772 |
| ## | | 0.81 | 0.000 | 0.772 |
| | 36 | 0.00 | 0.000 | 0.772 |
| ## | | 0.81 | 0.000 | 0.000 |
| | 38 | 0.81 | 0.000 | 0.772 |
| ## | 39 | 0.81 | 0.000 | 0.772 |
| ## | 40 | 0.00 | 0.000 | 0.772 |
| ## | 41 | 0.81 | 0.000 | 0.772 |
| ## | 42 | 0.00 | 0.000 | 0.772 |
| ## | 43 | 0.81 | 0.000 | 0.772 |
| ## | | 0.81 | 0.000 | 0.772 |
| ## | 45 | 0.00 | 0.000 | 0.772 |
| ## | | 0.81 | 0.000 | 0.772 |
| ## | | 0.00 | 0.000 | 0.000 |
| ## | | 0.00 | 0.000 | 0.772 |
| ## | | 0.81 | 0.000 | 0.772 |
| ## | 50 | 0.81 | 0.000 | 0.772 |
| | | | | |

| ## | 51 | 0.00 | 0.793 | 0.772 |
|----|-----|------|-------|-------|
| ## | 52 | 0.00 | 0.793 | 0.772 |
| ## | 53 | 0.81 | 0.793 | 0.772 |
| ## | 54 | 0.81 | 0.793 | 0.772 |
| ## | 55 | 0.81 | 0.000 | 0.772 |
| ## | 56 | 0.81 | 0.000 | 0.000 |
| ## | 57 | 0.00 | 0.793 | 0.772 |
| ## | 58 | 0.00 | 0.793 | 0.772 |
| ## | 59 | 0.81 | 0.793 | 0.772 |
| ## | 60 | 0.81 | 0.793 | 0.772 |
| ## | 61 | 0.00 | 0.793 | 0.772 |
| ## | 62 | 0.81 | 0.000 | 0.772 |
| ## | 63 | 0.81 | 0.793 | 0.772 |
| ## | 64 | 0.00 | 0.793 | 0.772 |
| ## | 65 | 0.81 | 0.793 | 0.000 |
| ## | 66 | 0.81 | 0.000 | 0.772 |
| ## | 67 | 0.00 | 0.793 | 0.772 |
| ## | 68 | 0.81 | 0.793 | 0.772 |
| ## | 69 | 0.00 | 0.793 | 0.772 |
| ## | 70 | 0.81 | 0.793 | 0.000 |
| ## | 71 | 0.81 | 0.793 | 0.772 |
| ## | 72 | 0.81 | 0.793 | 0.772 |
| ## | 73 | 0.81 | 0.793 | 0.772 |
| ## | 74 | 0.81 | 0.793 | 0.772 |
| ## | 75 | 0.81 | 0.793 | 0.772 |
| ## | 76 | 0.81 | 0.000 | 0.772 |
| ## | 77 | 0.81 | 0.793 | 0.772 |
| ## | 78 | 0.81 | 0.793 | 0.772 |
| ## | 79 | 0.81 | 0.793 | 0.772 |
| ## | 80 | 0.81 | 0.793 | 0.772 |
| ## | 81 | 0.00 | 0.793 | 0.772 |
| ## | 82 | 0.81 | 0.793 | 0.772 |
| ## | 83 | 0.81 | 0.793 | 0.772 |
| ## | 84 | 0.81 | 0.793 | 0.000 |
| ## | 85 | 0.81 | 0.793 | 0.772 |
| ## | 86 | 0.81 | 0.793 | 0.772 |
| ## | 87 | 0.00 | 0.793 | 0.772 |
| | 88 | 0.81 | 0.793 | 0.000 |
| ## | 89 | 0.81 | 0.793 | 0.772 |
| | 90 | 0.00 | 0.793 | 0.772 |
| ## | 91 | 0.81 | 0.793 | 0.772 |
| ## | 92 | 0.81 | 0.793 | 0.772 |
| | 93 | 0.81 | 0.793 | 0.772 |
| | 94 | 0.81 | 0.793 | 0.772 |
| ## | 95 | 0.81 | 0.793 | 0.000 |
| ## | 96 | 0.81 | 0.000 | 0.772 |
| | 97 | 0.81 | 0.793 | 0.772 |
| | 98 | 0.00 | 0.793 | 0.772 |
| | 99 | 0.81 | 0.793 | 0.772 |
| | 100 | 0.81 | 0.793 | 0.772 |
| | 101 | 0.81 | 0.000 | 0.772 |
| | 102 | 0.81 | 0.793 | 0.772 |
| | 103 | 0.81 | 0.793 | 0.772 |
| ## | 104 | 0.81 | 0.000 | 0.772 |
| | | | | |

| ## | 105 | 0.00 | 0.793 | 0.772 |
|----|-----|------|-------|-------|
| ## | 106 | 0.81 | 0.793 | 0.772 |
| ## | 107 | 0.00 | 0.793 | 0.772 |
| ## | 108 | 0.00 | 0.793 | 0.772 |
| ## | 109 | 0.00 | 0.793 | 0.772 |
| ## | 110 | 0.00 | 0.793 | 0.000 |
| ## | 111 | 0.00 | 0.793 | 0.772 |
| ## | 112 | 0.00 | 0.793 | 0.772 |
| ## | 113 | 0.00 | 0.000 | 0.772 |
| ## | | | | |
| | 114 | 0.00 | 0.793 | 0.772 |
| ## | 115 | 0.00 | 0.793 | 0.772 |
| ## | 116 | 0.00 | 0.793 | 0.772 |
| ## | 117 | 0.00 | 0.000 | 0.000 |
| ## | 118 | 0.00 | 0.793 | 0.772 |
| ## | 119 | 0.00 | 0.793 | 0.772 |
| ## | 120 | 0.00 | 0.793 | 0.772 |
| ## | 121 | 0.00 | 0.793 | 0.000 |
| ## | 122 | 0.00 | 0.793 | 0.772 |
| ## | 123 | 0.00 | 0.793 | 0.772 |
| ## | 124 | 0.00 | 0.793 | 0.772 |
| ## | 125 | 0.00 | 0.793 | 0.772 |
| | 126 | 0.00 | 0.793 | 0.772 |
| | 127 | 0.00 | 0.793 | 0.000 |
| | 128 | 0.00 | 0.000 | 0.772 |
| | 129 | 0.00 | 0.793 | 0.000 |
| | | | | |
| | 130 | 0.00 | 0.793 | 0.772 |
| | 131 | 0.00 | 0.793 | 0.772 |
| | 132 | 0.00 | 0.793 | 0.772 |
| | 133 | 0.00 | 0.793 | 0.772 |
| | 134 | 0.00 | 0.793 | 0.772 |
| ## | 135 | 0.00 | 0.793 | 0.772 |
| ## | 136 | 0.00 | 0.793 | 0.772 |
| ## | 137 | 0.00 | 0.793 | 0.772 |
| ## | 138 | 0.00 | 0.793 | 0.772 |
| ## | 139 | 0.00 | 0.793 | 0.000 |
| ## | 140 | 0.00 | 0.793 | 0.772 |
| ## | 141 | 0.00 | 0.793 | 0.772 |
| ## | 142 | 0.00 | 0.000 | 0.772 |
| | 143 | 0.00 | 0.793 | 0.772 |
| | 144 | 0.00 | 0.000 | 0.772 |
| | 145 | 0.00 | 0.793 | 0.772 |
| ## | 146 | 0.00 | 0.793 | 0.772 |
| ## | 147 | 0.00 | 0.793 | 0.772 |
| ## | 148 | 0.00 | 0.793 | 0.772 |
| ## | 149 | | | |
| | | 0.00 | 0.000 | 0.772 |
| ## | 150 | 0.00 | 0.793 | 0.000 |
| ## | 151 | 0.00 | 0.793 | 0.772 |
| ## | 152 | 0.00 | 0.793 | 0.772 |
| ## | 153 | 0.00 | 0.793 | 0.772 |
| ## | 154 | 0.00 | 0.793 | 0.772 |
| ## | 155 | 0.00 | 0.793 | 0.772 |
| | 156 | 0.00 | 0.793 | 0.000 |
| ## | 157 | 0.00 | 0.793 | 0.772 |
| ## | 158 | 0.00 | 0.793 | 0.772 |
| | | | | |

| ## | 159 | 0.00 | 0.793 | 0.772 |
|----------|-----|----------------|---------------------|-------|
| | 160 | 0.00 | 0.793 | 0.772 |
| | 161 | 0.00 | 0.793 | 0.000 |
| ## | 162 | 0.00 | 0.793 | 0.000 |
| ## | | | jansd001_ops_season | |
| ## | 1 | 0.642 | 0.639 | 0.00 |
| ## | 2 | 0.642 | 0.000 | 0.44 |
| ## | 3 | 0.642 | 0.639 | 0.00 |
| ## | 4 | 0.642 | 0.639 | 0.44 |
| ## | 5 | 0.642 | 0.639 | 0.00 |
| ## | 6 | 0.642 | 0.639 | 0.00 |
| ## | 7 | 0.000 | 0.000 | 0.44 |
| ## | 8 | 0.642 | 0.639 | 0.00 |
| ## | 9 | 0.642 | 0.000 | 0.44 |
| ## | 10 | 0.642 | 0.639 | 0.00 |
| ## | 11 | 0.000 | 0.639 | 0.00 |
| ## | 12 | 0.642 | 0.639 | 0.00 |
| ## | 13 | 0.642 | 0.639 | 0.00 |
| | 14 | 0.000 | 0.000 | 0.44 |
| | 15 | 0.642 | 0.000 | 0.44 |
| | 16 | 0.642 | 0.639 | 0.00 |
| | 17 | 0.642 | 0.639 | 0.44 |
| | 18 | 0.000 | 0.639 | 0.00 |
| | 19 | 0.642 | 0.000 | 0.44 |
| | 20 | 0.642 | 0.639 | 0.00 |
| ## ## | 21 | 0.642 | 0.639 | 0.00 |
| ## | | 0.642 0.642 | 0.000 0.639 | 0.44 |
| ## | | 0.642 | 0.000 | 0.44 |
| ## | | 0.642 | 0.639 | 0.00 |
| ## | | 0.642 | 0.639 | 0.00 |
| ## | | 0.642 | 0.639 | 0.00 |
| ## | | 0.642 | 0.000 | 0.44 |
| ## | | 0.642 | 0.000 | 0.44 |
| ## | 30 | 0.642 | 0.639 | 0.00 |
| ## | 31 | 0.642 | 0.639 | 0.00 |
| ## | 32 | 0.642 | 0.000 | 0.44 |
| ## | 33 | 0.000 | 0.639 | 0.00 |
| ## | 34 | 0.642 | 0.639 | 0.00 |
| ## | 35 | 0.642 | 0.639 | 0.00 |
| ## | 36 | 0.642 | 0.000 | 0.44 |
| ## | 37 | 0.642 | 0.000 | 0.44 |
| ## | 38 | 0.000 | 0.639 | 0.00 |
| ## | 39 | 0.000 | 0.000 | 0.44 |
| ## | | 0.642 | 0.639 | 0.00 |
| ## | | 0.000 | 0.639 | 0.00 |
| ## | | 0.642 | 0.000 | 0.44 |
| ## | | 0.642 | 0.639 | 0.00 |
| ## | | 0.642 | 0.639 | 0.00 |
| ## | | 0.642 | 0.000 | 0.44 |
| ## | | 0.000 | 0.639 | 0.00 |
| ## | | 0.642 | 0.639 | 0.44 |
| ## | | 0.642 | 0.639 | 0.00 |
| ## | 49 | 0.642 | 0.000 | 0.44 |

| ## 50 | 0.642 | 0.639 | 0.00 |
|--------|-------|-------|------|
| ## 51 | 0.642 | 0.639 | 0.00 |
| ## 52 | 0.000 | 0.000 | 0.44 |
| ## 53 | 0.642 | 0.639 | 0.00 |
| ## 54 | 0.000 | 0.000 | 0.44 |
| ## 55 | 0.642 | 0.639 | 0.00 |
| ## 56 | 0.642 | 0.639 | 0.00 |
| ## 57 | 0.000 | 0.000 | 0.44 |
| ## 58 | 0.000 | 0.639 | 0.00 |
| ## 59 | 0.642 | 0.000 | 0.44 |
| ## 60 | 0.000 | 0.639 | 0.00 |
| ## 61 | | | |
| | 0.642 | 0.639 | 0.00 |
| ## 62 | 0.642 | 0.000 | 0.44 |
| ## 63 | 0.000 | 0.639 | 0.00 |
| ## 64 | 0.642 | 0.000 | 0.44 |
| ## 65 | 0.642 | 0.639 | 0.00 |
| ## 66 | 0.642 | 0.639 | 0.00 |
| ## 67 | 0.000 | 0.000 | 0.44 |
| ## 68 | 0.000 | 0.639 | 0.00 |
| ## 69 | 0.642 | 0.000 | 0.44 |
| ## 70 | 0.642 | 0.639 | 0.00 |
| ## 71 | 0.000 | 0.639 | 0.00 |
| ## 72 | 0.642 | 0.000 | 0.44 |
| ## 73 | 0.642 | 0.639 | 0.00 |
| ## 74 | 0.642 | 0.639 | 0.00 |
| ## 75 | 0.000 | 0.000 | 0.44 |
| ## 76 | 0.642 | 0.639 | 0.00 |
| ## 77 | 0.000 | 0.000 | 0.44 |
| ## 78 | 0.642 | 0.639 | 0.00 |
| ## 79 | 0.000 | 0.000 | 0.44 |
| ## 80 | 0.000 | 0.639 | 0.00 |
| ## 81 | 0.642 | 0.639 | 0.00 |
| ## 82 | 0.000 | 0.639 | 0.00 |
| ## 83 | 0.642 | 0.639 | 0.00 |
| ## 84 | 0.642 | 0.000 | 0.44 |
| ## 85 | 0.000 | 0.639 | 0.00 |
| ## 86 | 0.642 | 0.639 | 0.00 |
| ## 87 | 0.642 | 0.639 | 0.00 |
| ## 88 | 0.642 | 0.639 | 0.00 |
| ## 89 | 0.642 | 0.639 | 0.00 |
| ## 90 | 0.642 | 0.639 | 0.44 |
| ## 91 | 0.000 | 0.639 | 0.00 |
| ## 92 | 0.000 | 0.639 | 0.00 |
| ## 93 | 0.642 | 0.000 | 0.44 |
| ## 94 | 0.000 | 0.639 | 0.00 |
| ## 95 | 0.642 | 0.639 | 0.00 |
| ## 96 | 0.000 | 0.639 | 0.00 |
| ## 97 | 0.000 | 0.000 | 0.44 |
| ## 98 | 0.642 | 0.639 | 0.00 |
| ## 99 | 0.000 | 0.639 | 0.00 |
| ## 100 | 0.642 | 0.639 | 0.00 |
| ## 101 | 0.642 | 0.000 | 0.44 |
| ## 102 | 0.000 | 0.639 | 0.00 |
| ## 103 | 0.000 | 0.000 | 0.44 |
| | | | |

| ## | 104 | 0.642 | 0.639 | 0.00 |
|----|-----|-------|-------|------|
| ## | 105 | 0.642 | 0.639 | 0.00 |
| ## | 106 | 0.642 | 0.639 | 0.00 |
| ## | 107 | 0.642 | 0.000 | 0.00 |
| ## | 108 | 0.642 | 0.639 | 0.00 |
| ## | 109 | 0.642 | 0.639 | 0.00 |
| ## | 110 | 0.642 | 0.000 | 0.00 |
| ## | 111 | 0.000 | 0.639 | 0.00 |
| ## | 112 | 0.642 | 0.639 | 0.00 |
| ## | 113 | 0.000 | 0.000 | 0.00 |
| ## | 114 | 0.642 | 0.639 | 0.00 |
| ## | 115 | 0.000 | 0.000 | 0.00 |
| ## | 116 | 0.642 | 0.639 | 0.00 |
| ## | 117 | 0.642 | 0.000 | 0.00 |
| ## | 118 | 0.000 | 0.000 | 0.00 |
| ## | 119 | 0.642 | 0.639 | 0.00 |
| ## | 120 | 0.000 | 0.639 | 0.00 |
| ## | 121 | 0.642 | 0.000 | 0.00 |
| ## | 122 | 0.642 | 0.639 | 0.00 |
| ## | 123 | 0.642 | 0.000 | 0.00 |
| ## | 124 | 0.642 | 0.639 | 0.00 |
| ## | 125 | 0.642 | 0.639 | 0.00 |
| ## | 126 | 0.000 | 0.000 | 0.00 |
| ## | 127 | 0.642 | 0.639 | 0.00 |
| ## | 128 | 0.642 | 0.639 | 0.00 |
| ## | 129 | 0.642 | 0.000 | 0.00 |
| ## | 130 | 0.000 | 0.639 | 0.00 |
| ## | 131 | 0.642 | 0.000 | 0.00 |
| ## | 132 | 0.000 | 0.639 | 0.00 |
| ## | 133 | 0.642 | 0.000 | 0.00 |
| ## | 134 | 0.000 | 0.000 | 0.00 |
| ## | 135 | 0.642 | 0.639 | 0.00 |
| ## | 136 | 0.642 | 0.000 | 0.00 |
| ## | 137 | 0.642 | 0.639 | 0.00 |
| ## | 138 | 0.642 | 0.000 | 0.00 |
| ## | 139 | 0.642 | 0.639 | 0.00 |
| ## | 140 | 0.000 | 0.000 | 0.00 |
| ## | 141 | 0.000 | 0.000 | 0.00 |
| ## | 142 | 0.642 | 0.639 | 0.00 |
| ## | 143 | 0.000 | 0.000 | 0.00 |
| ## | 144 | 0.642 | 0.639 | 0.00 |
| ## | 145 | 0.000 | 0.000 | 0.00 |
| ## | 146 | 0.642 | 0.639 | 0.00 |
| ## | 147 | 0.000 | 0.000 | 0.00 |
| ## | 148 | 0.000 | 0.000 | 0.00 |
| ## | 149 | 0.642 | 0.639 | 0.00 |
| | 150 | 0.642 | 0.000 | 0.00 |
| | 151 | 0.000 | 0.639 | 0.00 |
| ## | 152 | 0.642 | 0.000 | 0.00 |
| ## | 153 | 0.000 | 0.000 | 0.00 |
| | 154 | 0.000 | 0.639 | 0.00 |
| | 155 | 0.642 | 0.000 | 0.44 |
| | 156 | 0.642 | 0.000 | 0.00 |
| ## | 157 | 0.642 | 0.639 | 0.00 |
| | | | | |

| ## | 158 | 0.642 | 0.000 | 0.00 |
|----------|---------------|----------------|-------|------|
| | 159 | 0.642 | 0.000 | 0.44 |
| | 160 | 0.000 | 0.000 | 0.00 |
| | 161 | 0.642 | 0.639 | 0.00 |
| | 162 | 0.000 | 0.000 | 0.44 |
| ## | mcgur002_ops_ | | | 0.11 |
| ## | | 0.000 | | |
| ## | | 0.000 | | |
| ## | | 0.000 | | |
| ## | | 0.000 | | |
| ## | 5 | 0.000 | | |
| ## | | 0.000 | | |
| ## | 7 | 0.000 | | |
| ## | 8 | 0.000 | | |
| ## | 9 | 0.000 | | |
| ## | 10 | 0.000 | | |
| ## | 11 | 0.000 | | |
| ## | 12 | 0.000 | | |
| ## | 13 | 0.000 | | |
| ## | 14 | 0.000 | | |
| ## | | 0.000 | | |
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| ## ## | | 0.000 | | |
| ## | | 0.000 0.000 | | |
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| ## | | 0.000 | | |
| ## | | 0.000 | | |
| ## | | 0.000 | | |
| ## | | 0.000 | | |
| ## | 39 | 0.000 | | |
| ## | 40 | 0.000 | | |
| ## | 41 | 0.000 | | |
| ## | 42 | 0.000 | | |
| ## | 43 | 0.000 | | |
| ## | 44 | 0.000 | | |
| ## | | 0.000 | | |
| ## | | 0.000 | | |
| ## | | 0.000 | | |
| ## | 48 | 0.000 | | |
| | | | | |

| ## | 49 | 0.000 |
|----------|----------|-------|
| ## | 50 | 0.000 |
| ## | 51 | 0.000 |
| ## | 52 | 0.000 |
| ## | 53 | 0.000 |
| ## | 54 | 0.000 |
| ## | 55 | 0.000 |
| ## | 56 | 0.000 |
| ## | 57 | 0.000 |
| ## | 58 | 0.000 |
| ## | 59 | 0.000 |
| ## | 60 | 0.000 |
| ## | 61 | 0.000 |
| ## | 62 | 0.000 |
| ## | 63 | 0.000 |
| ## | 64 | 0.000 |
| ## | 65 | 0.000 |
| ## | 66 | 0.000 |
| ## | 67 | 0.000 |
| ## | 68 | 0.000 |
| ## | 69 | 0.000 |
| ## | 70 | 0.000 |
| ## | 71 | 0.000 |
| ## | 72 | 0.000 |
| ## | 73 | 0.000 |
| ## | 74 | 0.000 |
| ## | 75 76 | 0.000 |
| ## | 76 | 0.000 |
| ## | 77 | 0.000 |
| ## | 78 | 0.000 |
| ## | 79 | 0.000 |
| ## | 80 81 | 0.000 |
| ## ## | 82 | 0.000 |
| ## | 83 | 0.000 |
| ## | 84 | 0.000 |
| ## | 85 | 0.000 |
| ## | 86 | 0.000 |
| ## | 87 | 0.000 |
| ## | 88 | 0.000 |
| ## | 89 | 0.000 |
| ## | 90 | 0.000 |
| ## | 91 | 0.000 |
| ## | 92 | 0.000 |
| ## | 93 | 0.000 |
| ## | 94 | 0.000 |
| ## | 95 | 0.000 |
| ## | 96 | 0.000 |
| ## | 97 | 0.000 |
| ## | 98 | 0.000 |
| ## | 99 | 0.000 |
| ## | 100 | 0.000 |
| ## | 101 | 0.000 |
| ## | 102 | 0.000 |
| | | |

| ## | 103 | 0.000 |
|----|------------|-------|
| ## | 104 | 0.000 |
| ## | 105 | 0.000 |
| ## | 106 | 0.000 |
| ## | 107 | 0.872 |
| ## | 108 | 0.000 |
| ## | 109 | 0.000 |
| ## | 110 | 0.872 |
| ## | 111 | 0.000 |
| ## | 112 | 0.000 |
| ## | 113 | 0.872 |
| ## | 114 | 0.000 |
| ## | 115 | 0.872 |
| ## | 116 | 0.000 |
| ## | 117 | 0.872 |
| ## | 118 | 0.872 |
| ## | 119 | 0.000 |
| ## | 120 | 0.000 |
| ## | 121 | 0.872 |
| ## | 122 | 0.000 |
| ## | 123 | 0.872 |
| ## | 124 | 0.000 |
| ## | 125 | 0.000 |
| ## | 126 | 0.872 |
| ## | 127 | 0.000 |
| ## | 128 | 0.000 |
| ## | 129 | 0.872 |
| ## | 130 | 0.000 |
| ## | 131 | 0.872 |
| ## | 132 | 0.000 |
| ## | 133 | 0.872 |
| ## | 134 | 0.872 |
| ## | 135 | 0.000 |
| ## | 136 | 0.872 |
| ## | 137 | 0.000 |
| ## | 138 | 0.872 |
| ## | 139 | 0.000 |
| ## | 140 | 0.000 |
| ## | 141 | 0.872 |
| ## | 142 | 0.000 |
| ## | 143 | 0.872 |
| ## | 144 | 0.000 |
| ## | 145 | 0.872 |
| ## | 146 | 0.000 |
| ## | 147 | 0.872 |
| ## | 148 | 0.872 |
| ## | 149 | 0.000 |
| ## | 150 | 0.872 |
| ## | 151 | 0.000 |
| ## | 152 | 0.872 |
| ## | 153 | 0.872 |
| ## | 154 155 | 0.000 |
| ## | 156 | 0.000 |
| ## | 100 | 0.012 |

```
## 157 0.000
## 158 0.872
## 159 0.000
## 160 0.872
## 161 0.000
## 162 0.000
```

create tor_games_game subset, training data - player performance in game

```
tor_games_training <- data.frame(tor_games$game_date,tor_games$tor_runs,tor_games$drurb001_ops_game,tor_names(tor_games_training) <- c('game_date','tor_runs','drurb001_ops','bichb001_ops','biggc002_ops','dav
```

create tor_games_todate subset, test data - player performance average to date

```
tor_games_test <- data.frame(tor_games$game_date,tor_games$tor_runs,tor_games$drurb001_ops_todate,tor_g
names(tor_games_test) <- c('game_date','tor_runs','drurb001_ops','bichb001_ops','biggc002_ops','davij00'
```

train regression model - ops game

jansd001_ops

maill001_ops

mcgur002_ops

1.2664

1.8373

0.6643

```
model_fit <- lm(tor_runs~drurb001_ops+bichb001_ops+biggc002_ops+davij007_ops+fishd001_ops+galvf001_ops+
summary(model_fit)
##
## Call:
## lm(formula = tor_runs ~ drurb001_ops + bichb001_ops + biggc002_ops +
##
      davij007 ops + fishd001 ops + galvf001 ops + gricr001 ops +
##
      guerv002_ops + hernt002_ops + gurrl001_ops + jansd001_ops +
##
      maill001_ops + mcgur002_ops + mckib001_ops + pillk001_ops +
##
      smoaj001_ops + sogae001_ops + tellr001_ops, data = tor_games_training)
##
## Residuals:
##
      Min
               1Q Median
                              3Q
## -4.3852 -1.1203 0.0071 0.9453 7.1346
##
## Coefficients:
               Estimate Std. Error t value Pr(>|t|)
##
               -2.7098 0.4131 -6.560 9.20e-10 ***
## (Intercept)
## drurb001_ops 1.3774
                           0.2536 5.432 2.33e-07 ***
                           0.3264 4.086 7.29e-05 ***
## bichb001_ops
                1.3337
                           0.2163 5.416 2.52e-07 ***
## biggc002_ops 1.1713
## davij007_ops
                1.5396
                           0.5728 2.688 0.008048 **
## fishd001_ops 0.5492
                           0.4643 1.183 0.238805
## galvf001_ops 0.9440
                           0.2260 4.176 5.13e-05 ***
## gricr001_ops 1.0664 0.2176 4.900 2.57e-06 ***
## guerv002_ops 1.3689 0.2212 6.189 6.04e-09 ***
## hernt002_ops 1.1310
                           0.1719 6.578 8.35e-10 ***
                           0.2424 5.139 8.90e-07 ***
## gurrl001_ops
                1.2459
```

0.2600 4.870 2.92e-06 ***

0.4785 3.839 0.000185 ***

0.3413 1.946 0.053557 .

```
5.062 1.26e-06 ***
## mckib001 ops
                 1.4404
                           0.2846
## pillk001_ops
                 8.6122
                           3.6288 2.373 0.018960 *
## smoaj001 ops
                 0.6643
                           0.2243 2.961 0.003591 **
                                  5.100 1.06e-06 ***
## sogae001_ops
                 1.2585
                           0.2468
## tellr001_ops
                 1.2400
                           0.2345
                                   5.288 4.54e-07 ***
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
## Residual standard error: 1.777 on 143 degrees of freedom
## Multiple R-squared: 0.7321, Adjusted R-squared: 0.6983
## F-statistic: 21.71 on 18 and 143 DF, p-value: < 2.2e-16
```

use predictive model on Training data - ops todate

```
model_predict_training <- predict(model_fit, tor_games_training)
actuals_preds_training <- data.frame(cbind(actuals=tor_games_training$tor_runs, predicteds=model_prediction_accuracy_training <- cor(actuals_preds_training)
correlation_accuracy_training

## actuals predicteds
## actuals 1.0000000 0.8556114</pre>
```

actuals_preds_training

predicteds 0.8556114 1.0000000

```
##
      actuals predicteds
## 1
            0 -1.0426232
## 2
            6 3.0658886
## 3
            3 3.2674910
## 4
            3 3.0000000
## 5
            5 4.1697355
## 6
            1 2.2702887
## 7
            5 7.1045755
## 8
            1 0.9517692
## 9
            2 0.6249716
## 10
            2 5.2238989
## 11
            1 0.2832824
            7 3.8206871
## 12
## 13
            6 5.7311295
## 14
            7 4.8856899
## 15
            3 2.8760159
## 16
            4 3.3873936
## 17
            5 5.7487001
## 18
            6 2.8848037
## 19
            1 2.3629008
## 20
            7 5.2915881
## 21
            5 3.7005807
           10 9.0976798
## 22
## 23
            5 5.3338329
## 24
            6 3.4849005
## 25
            0 -0.9131677
## 26
            4 5.3561113
## 27
            7 7.3020178
## 28
            5 3.9689540
```

```
## 29
             3 2.5319739
## 30
                3.3850083
             3
## 31
             2
                2.3570965
                3.1331617
## 32
             1
## 33
             5
                4.7568335
## 34
             2 3.8566855
## 35
             0 -0.1320322
                2.0645148
## 36
             0
## 37
             1
                0.6440291
## 38
             4
                3.8100087
## 39
             2
                6.3852224
## 40
                0.4299159
             1
## 41
             7
                5.9879631
## 42
                1.7781652
             3
## 43
             2 0.3318775
## 44
            10 10.3656120
## 45
                3.0883470
             1
## 46
             5
                5.8816029
## 47
                1.6909328
             2
## 48
            10
                8.1969044
## 49
             5
                4.4693085
## 50
             2
                2.2334390
## 51
                2.0022361
             3
## 52
             4
                2.4260034
            10 10.0289434
## 53
## 54
             3
                4.5742271
## 55
                2.0442471
             1
## 56
                5.4705090
             3
## 57
             6
                7.6232681
                1.8338089
## 58
             2
## 59
             1
                2.2863583
## 60
             4
                4.8614893
## 61
            11
                8.8984844
## 62
             2
                3.9730618
## 63
             2
                2.2990326
## 64
                1.7754572
             0
## 65
                3.6507463
## 66
             2
                2.8871048
## 67
             8
                6.3226418
## 68
            12 10.0687101
## 69
             2
                1.5208954
## 70
             2
                1.7728567
## 71
            12 11.0094501
## 72
                6.9640378
             5
## 73
                0.9056171
             1
## 74
                5.2279746
             6
## 75
             7
                8.2463470
## 76
                4.1526059
             5
## 77
             8
                5.9511251
## 78
             6
                6.4939241
## 79
             8
                6.8343588
## 80
             3
                2.6635772
## 81
             7
                8.8921238
## 82
             6 6.7879024
```

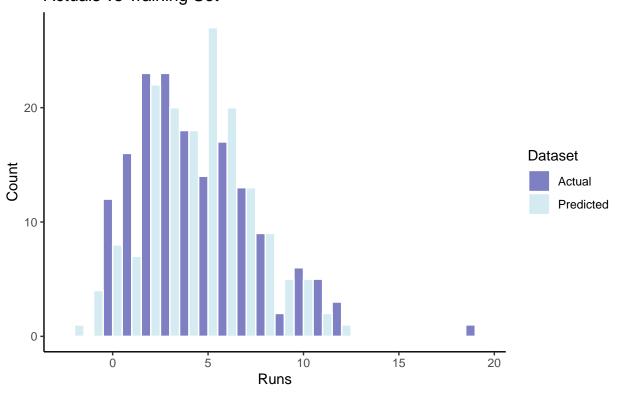
```
7 7.3425874
## 83
## 84
             6 4.5779403
## 85
            11 10.5789769
## 86
             6
               5.5037681
## 87
             6
                9.1432070
## 88
                7.9992916
             7
## 89
                4.1754101
             1
## 90
             1
                0.3259102
## 91
             6
                6.3012451
## 92
             0
                1.1355731
## 93
             2
                2.9396375
## 94
             2
                3.2915466
## 95
             8 6.0710497
## 96
            10 8.5812598
## 97
             4 6.2858737
## 98
             0 -0.1912836
## 99
            12 6.7839012
## 100
             7 7.0474454
## 101
             3 2.2399616
## 102
             3 4.6502096
## 103
             2 3.0133285
## 104
             0 -0.8951241
## 105
                1.2261387
             1
## 106
            10
                9.9460680
## 107
             9
               6.9272542
## 108
             7
                6.6916426
## 109
                5.4579932
             9
## 110
             4 4.8188330
## 111
            11 10.1406743
## 112
             5 5.0177538
## 113
             4
                6.1214849
## 114
             5
                7.3712775
## 115
                3.8368660
## 116
               5.1286984
             6
## 117
             4
                4.7741785
## 118
               5.0439571
             6
## 119
               7.4915453
## 120
             5 5.3611690
## 121
             0 -0.0142897
## 122
            19 11.8653565
## 123
               5.4167726
             3
## 124
                3.7562677
             3
## 125
                8.4392590
             7
## 126
             3
               3.7116802
## 127
             0 -0.2081342
## 128
             3
               6.1578640
## 129
             1
                2.5596668
## 130
             2
                2.3438156
## 131
                3.5885203
## 132
             7
                7.5995214
## 133
                1.9506711
             1
## 134
             3
                4.5399971
## 135
             4 4.5076354
## 136
             4 5.1983318
```

```
## 137
            6 7.5606383
## 138
            0 -2.3197085
## 139
            3 2.0166414
## 140
            2 2.2342956
## 141
            4 5.0746726
## 142
            0 -0.8882025
            3 3.3673251
## 143
## 144
            3 3.2775642
            4 6.2970534
## 145
## 146
            8 7.6224599
## 147
            4 2.8414877
## 148
            6 4.7570836
## 149
            3 4.1623715
## 150
            6 4.7640289
## 151
            8 6.8986474
## 152
           11 6.4277435
## 153
            8 5.9767413
## 154
            4 5.0720274
## 155
            2 1.5775836
## 156
            3 4.0490160
## 157
           11 7.8762461
## 158
            4 1.0065264
            3 6.0576624
## 159
## 160
            2 3.8658098
## 161
            4 5.9454042
## 162
            8 5.8739027
```

histogram of runs/game, Training data, actuals vs predicteds

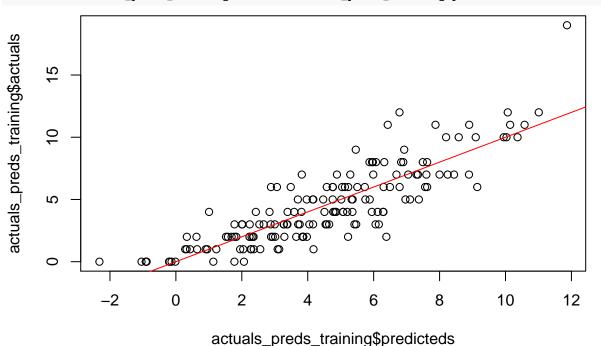
```
library(ggplot2)
actuals <- data.frame(tor_games_training$tor_runs)
actuals$dataset <- 'Actual'
names(actuals) <- c('Runs','Dataset')
predicteds <- data.frame(model_predict_training)
predicteds$dataset <- 'Predicted'
names(predicteds) <- c('Runs','Dataset')
runs <- rbind(actuals, predicteds)
ggplot(runs, aes(x=Runs, color=Dataset, fill=Dataset)) + geom_histogram(binwidth=1, alpha=0.5, positions scale_color_manual(values=c("white", "white")) + labs(title="Histogram of Runs/Game by Toronto Blue Jay</pre>
```

Histogram of Runs/Game by Toronto Blue Jays (2019 Season) Actuals vs Training Set



plot of runs/game Training data, actuals vs predicteds

plot(actuals_preds_training\$predicteds, actuals_preds_training\$actuals)
abline(lm(actuals_preds_training\$actuals~actuals_preds_training\$predicteds), col="red")



```
use predictive model on Test data - ops todate
model_predict_test <- predict(model_fit, tor_games_test)</pre>
actuals_preds_test <- data.frame(cbind(actuals=tor_games_test$tor_runs, predicteds=model_predict_test))
correlation_accuracy_test <- cor(actuals_preds_test)</pre>
correlation_accuracy_test
##
                actuals predicteds
## actuals
              1.0000000 0.2793119
## predicteds 0.2793119 1.0000000
actuals_preds_test
##
       actuals predicteds
## 1
             0 -1.042623
## 2
             6
                  1.470699
## 3
             3
                 1.980454
## 4
                 1.250931
             3
## 5
             5
                 3.364078
                 2.591761
## 6
             1
## 7
             5
                 3.934331
## 8
                 2.204180
             1
## 9
             2
                 3.114585
## 10
             2
                 3.474648
## 11
             1
                 1.937746
## 12
             7
                 2.128751
                 3.211835
## 13
             6
## 14
             7
                 3.282512
## 15
             3
                 4.170841
## 16
             4
                 3.130675
                 3.794798
## 17
             5
## 18
             6
                 3.631605
## 19
             1
                 5.381859
## 20
             7
                 4.737087
## 21
             5
                 3.764753
## 22
            10
                 5.382216
## 23
             5
                 3.746940
## 24
                 3.863605
             6
## 25
                 3.025011
             0
## 26
             4
                 5.118561
## 27
             7
                 4.278225
## 28
                 4.808266
             5
## 29
             3
                 5.235937
## 30
             3
                 4.238544
## 31
             2
                 4.052528
```

32

33

34

35

36

37

38

39

40

4.840419

4.028341

4.660855

4.443864

4.113364

4.116986

3.304819

4.543346

2.986193

1

5

2

0

0

4

2

| ## 41 | 7 | 3.019187 |
|-------|----|----------|
| ## 42 | 3 | 3.841046 |
| ## 43 | 2 | 3.677623 |
| ## 44 | 10 | 4.815251 |
| ## 45 | 1 | 3.710043 |
| ## 46 | 5 | 4.206622 |
| = - | | |
| ## 47 | 2 | 2.855205 |
| ## 48 | 10 | 4.103064 |
| ## 49 | 5 | 4.469673 |
| ## 50 | 2 | 4.348175 |
| ## 51 | 3 | 3.541878 |
| ## 52 | 4 | 3.205053 |
| ## 53 | 10 | 4.978497 |
| ## 54 | 3 | 4.998789 |
| ## 55 | 1 | 4.529560 |
| ## 56 | 3 | 4.354363 |
| ## 57 | 6 | 4.190464 |
| ## 58 | 2 | 3.492279 |
| | 1 | 3.492279 |
| | | |
| ## 60 | 4 | 4.608649 |
| ## 61 | 11 | 4.400843 |
| ## 62 | 2 | 4.883306 |
| ## 63 | 2 | 4.708887 |
| ## 64 | 0 | 4.713843 |
| ## 65 | 2 | 4.197164 |
| ## 66 | 2 | 4.551542 |
| ## 67 | 8 | 4.469002 |
| ## 68 | 12 | 4.783325 |
| ## 69 | 2 | 4.941469 |
| ## 70 | 2 | 4.652328 |
| ## 71 | 12 | 5.025109 |
| | | |
| ## 72 | 5 | 5.226151 |
| ## 73 | 1 | 5.197506 |
| ## 74 | 6 | 5.173173 |
| ## 75 | 7 | 5.400860 |
| ## 76 | 5 | 5.086962 |
| ## 77 | 8 | 5.403573 |
| ## 78 | 6 | 5.262554 |
| ## 79 | 8 | 5.620143 |
| ## 80 | 3 | 5.184451 |
| ## 81 | 7 | 5.052377 |
| ## 82 | 6 | 4.947519 |
| ## 83 | 7 | 5.148039 |
| ## 84 | 6 | 5.126142 |
| ## 85 | 11 | 5.456306 |
| ## 86 | 6 | 5.234597 |
| | | |
| ## 87 | 6 | 5.079779 |
| ## 88 | 7 | 5.176841 |
| ## 89 | 1 | 4.935035 |
| ## 90 | 1 | 5.001104 |
| ## 91 | 6 | 5.196682 |
| ## 92 | 0 | 4.997735 |
| ## 93 | 2 | 5.577321 |
| ## 94 | 2 | 4.936959 |
| | | |

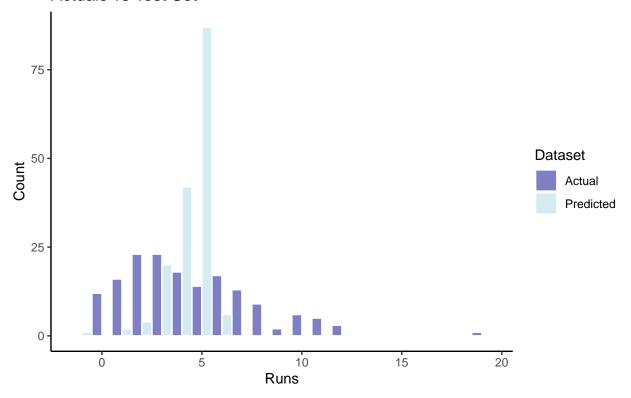
| ## | 95 | 8 | 5.083181 |
|----|-----|----|----------|
| ## | 96 | 10 | 5.066900 |
| ## | 97 | 4 | 4.991073 |
| ## | 98 | 0 | 4.729552 |
| ## | 99 | 12 | 5.169601 |
| ## | 100 | 7 | 5.344793 |
| ## | 101 | 3 | 4.998907 |
| ## | 102 | 3 | 5.127890 |
| | | 2 | 4.740585 |
| ## | 103 | | |
| ## | 104 | 0 | 4.910191 |
| ## | 105 | 1 | 4.616808 |
| ## | 106 | 10 | 5.272517 |
| ## | 107 | 9 | 4.503749 |
| ## | 108 | 7 | 4.621907 |
| ## | 109 | 9 | 5.368613 |
| ## | 110 | 4 | 5.095649 |
| ## | 111 | 11 | 5.448293 |
| ## | 112 | 5 | 5.118679 |
| ## | 113 | 4 | 4.566321 |
| ## | 114 | 5 | 5.793811 |
| ## | 115 | 2 | 4.576424 |
| ## | 116 | 6 | 6.053443 |
| ## | 117 | 4 | 4.392638 |
| ## | 118 | 6 | |
| | | | 5.006290 |
| ## | 119 | 8 | 5.318033 |
| ## | 120 | 5 | 4.804052 |
| ## | 121 | 0 | 4.251579 |
| ## | 122 | 19 | 5.121203 |
| ## | 123 | 3 | 5.330730 |
| ## | 124 | 3 | 5.344602 |
| ## | 125 | 7 | 4.981422 |
| ## | 126 | 3 | 4.805923 |
| ## | 127 | 0 | 5.297898 |
| ## | 128 | 3 | 4.187622 |
| ## | 129 | 1 | 4.470547 |
| ## | 130 | 2 | 4.468447 |
| ## | 131 | 4 | 4.506052 |
| ## | 132 | 7 | 5.510751 |
| ## | 133 | 1 | 4.902867 |
| ## | 134 | 3 | 4.671090 |
| ## | 135 | 4 | 5.336766 |
| | | | |
| ## | 136 | 4 | 4.608869 |
| ## | 137 | 6 | 5.197115 |
| ## | 138 | 0 | 5.123787 |
| ## | 139 | 3 | 4.244342 |
| ## | 140 | 2 | 3.418549 |
| ## | 141 | 4 | 4.536798 |
| ## | 142 | 0 | 4.410884 |
| ## | 143 | 3 | 4.433292 |
| ## | 144 | 3 | 4.453260 |
| ## | 145 | 4 | 4.298100 |
| ## | 146 | 8 | 5.301951 |
| ## | 147 | 4 | 4.587623 |
| ## | 148 | 6 | 4.573345 |
| | | J | 1.0,0010 |

```
## 149
             3
                  5.138917
## 150
             6
                  4.380464
## 151
             8
                  5.512377
                  4.937190
## 152
             11
## 153
             8
                  4.824248
             4
                  3.344926
## 154
             2
                  4.322719
## 155
## 156
             3
                  3.235484
## 157
             11
                  5.278189
## 158
             4
                  2.854447
## 159
             3
                  4.106472
             2
## 160
                  3.782884
                  2.989665
## 161
             4
## 162
             8
                  2.927935
```

histogram of runs/game, test set, actuals vs predicteds

```
actuals <- data.frame(tor_games_training$tor_runs)
actuals$dataset <- 'Actual'
names(actuals) <- c('Runs','Dataset')
predicteds <- data.frame(model_predict_test)
predicteds$dataset <- 'Predicted'
names(predicteds) <- c('Runs','Dataset')
runs <- rbind(actuals, predicteds)
ggplot(runs, aes(x=Runs, color=Dataset, fill=Dataset)) + geom_histogram(binwidth=1, alpha=0.5, positions scale_color_manual(values=c("white", "white")) + labs(title="Histogram of Runs/Game by Toronto Blue Jay</pre>
```

Histogram of Runs/Game by Toronto Blue Jays (2019 Season) Actuals vs Test Set



plot of runs/game Test data, actuals vs predicteds

```
plot(actuals_preds_test$predicteds, actuals_preds_test$actuals)
abline(lm(actuals_preds_test$actuals_preds_test$predicteds), col="red")
```

