## Formato Archivo Data.ss

March, 15, 2023

## Contents

## 0.0.1 Identificar formato de entrada de datos SS3

1. Identificamos el directorio donde se encuentra el modelo base simple

```
dirname.base <- here("10a_anchcadiz")
```

5. Leer los archivos de Stock Synthesis con la función SS\_read()

```
inputs <- r4ss::SS_read(dir = dirname.base)</pre>
```

6. Investigar el modelo

Cada uno de los archivos de entrada se lee en R como una lista.

Use names() para ver todos los componentes de la lista

Revisamos los elementos de la lista

```
names(inputs)
## [1] "dir"     "path"     "dat"     "ctl"     "start"     "fore"     "wtatage"
```

Revisamos los nombres de los componentes de la lista del archivo .dat

```
names(inputs$dat)
   [1] "sourcefile"
                                    "type"
##
   [3] "ReadVersion"
                                    "Comments"
   [5] "styr"
                                    "endyr"
   [7] "nseas"
                                    "months per seas"
##
  [9] "Nsubseasons"
                                    "spawn_month"
## [11] "Ngenders"
                                    "Nsexes"
## [13] "Nages"
                                    "N areas"
## [15] "Nfleets"
                                    "fleetinfo"
## [17] "fleetnames"
                                    "surveytiming"
## [19] "units_of_catch"
                                    "areas"
## [21] "catch"
                                    "CPUEinfo"
## [23] "CPUE"
                                    "N\_discard\_fleets"
## [25] "use_meanbodywt"
                                    "lbin\_method"
## [27] "binwidth"
                                    "minimum_size"
## [29] "maximum_size"
                                    "use_lencomp"
                                    "N_lbins"
## [31] "len_info"
## [33] "lbin_vector"
                                    "lencomp"
## [35] "N_agebins"
                                    "use\_MeanSize\_at\_Age\_obs"
## [37] "N_environ_variables"
                                    "N\_sizefreq\_methods"
## [39] "do_tags"
                                    "morphcomp\_data"
## [41] "use_selectivity_priors"
                                    "eof"
## [43] "spawn_seas"
                                    "Nfleet"
## [45] "Nsurveys"
                                    "fleetinfo1"
```

```
## [47] "fleetinfo2"
                                                                                                "N\_meanbodywt"
## [49] "comp_tail_compression"
                                                                                                "add_to_comp"
## [51] "max_combined_lbin"
                                                                                                "N\_MeanSize\_at\_Age\_obs"
## [53] "N_lbinspop"
                                                                                                "lbin_vector_pop"
inputs$dat[1]
## $sourcefile
\#\# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# [1] \# 
inputs$dat[2]
## $type
## [1] "Stock_Synthesis_data_file"
inputs$dat[3]
## $ReadVersion
## [1] "3.30"
inputs$dat[4]
## $Comments
## [1] "#C 2022 Anchoveta Cadiz data file MODELO TRIMESTRAL"
inputs$dat[5]
## $styr
## [1] 1989
inputs$dat[6]
## $endyr
## [1] 2021
inputs$dat[7]
## $nseas
## [1] 4
inputs$dat[8]
## $months_per_seas
## [1] 3 3 3 3
inputs$dat[9]
## $Nsubseasons
## [1] 2
inputs$dat[10]
## $spawn month
## [1] 8
inputs$dat[11]
## $Ngenders
## [1] 1
inputs$dat[12]
## $Nsexes
## [1] 1
inputs$dat[13]
## $Nages
## [1] 4
inputs$dat[14]
## $N_areas
## [1] 1
inputs$dat[15]
## $Nfleets
## [1] 3
inputs$dat[16]
## $fleetinfo
## type surveytiming area units need_catch_mult fleetname
```

```
## 1 1
                 -1.00
                        1
                                                    Fishery
## 2
                  0.08
                                                0
                                                     PELAGO
        3
                          1
                                1
## 3
       3
                  0.40
                                1
                                                O ECOCADIZ
inputs$dat[17]
## $fleetnames
## [1] "Fishery"
                  "PELAGO"
                             "ECOCADIZ"
inputs$dat[18]
## $surveytiming
## [1] -1.00 0.08 0.40
inputs$dat[19]
## $units_of_catch
## [1] 1 1 1
inputs$dat[20]
## $areas
## [1] 1 1 1
inputs$dat[21]
## $catch
##
                            catch catch_se
       year seas fleet
## 1
       -999
            1
                          0.00000
                                      0.01
                   1
## 2
       -999
               2
                          0.00000
                                      0.01
                     1
## 3
       -999
              3
                     1
                          0.00000
                                      0.01
## 4
      -999
               4
                     1
                          0.00000
                                      0.01
                                      0.01
## 5
      1989
                     1 1317.94350
               1
## 6
       1989
               2
                     1 2588.64700
                                      0.01
## 7
      1989
               3
                     1 1336.25200
                                      0.01
## 8
      1989
               4
                     1 111.41000
                                      0.01
## 9
      1990
                     1 2300.36400
                                      0.01
              1
## 10 1990
               2
                     1 1571.00600
                                      0.01
## 11 1990
               3
                     1 1182.21900
                                      0.01
## 12 1990
                     1 765.47400
                                      0.01
               4
## 13 1991
                     1 1049.15000
                                      0.01
               1
## 14 1991
               2
                     1 3692.70500
                                      0.01
## 15 1991
               3
                     1 701.61700
                                      0.01
## 16 1991
                     1 273.87600
                                      0.01
               4
## 17 1992
                     1 1125.12550
                                      0.01
               1
## 18 1992
               2
                     1 1368.15050
                                      0.01
## 19 1992
               3
                     1 499.60500
                                      0.01
## 20 1992
                          3.82000
                                      0.01
               4
                    1
## 21 1993
                     1 766.82200
               1
                                      0.01
## 22 1993
                     1 921.20900
               2
                                      0.01
## 23 1993
               3
                     1 166.86700
                                      0.01
## 24 1993
                     1 105.05300
                                      0.01
               4
## 25 1994
                     1 689.67530
                                      0.01
               1
## 26 1994
               2
                     1 2055.27150
                                      0.01
## 27 1994
               3
                     1 210.04200
                                      0.01
## 28 1994
                        80.47000
                                      0.01
                     1
               4
## 29 1995
               1
                     1 185.36600
                                      0.01
## 30 1995
               2
                     1
                         79.89174
                                      0.01
## 31 1995
               3
                     1 147.93300
                                      0.01
## 32 1995
                                      0.01
                     1 157.42301
               4
## 33 1996
               1
                     1
                         41.04300
                                      0.01
                                      0.01
## 34 1996
               2
                     1 807.19490
```

```
## 35 1996
              3
                1 585.56500
                                 0.01
## 36 1996
                    1 397.60740
                                     0.01
                    1 907.83980
## 37
      1997
                                     0.01
              1
## 38 1997
                                     0.01
              2
                    1 1110.05310
## 39 1997
                    1 2006.92750
              3
                                     0.01
                    1 588.39290
## 40 1997
              4
                                    0.01
## 41 1998
                    1 1781.41640
                                    0.01
              1
## 42 1998
                                     0.01
              2
                    1 2175.54610
## 43 1998
                    1 2909.41820
                                     0.01
              3
## 44 1998
              4
                    1 2715.91480
                                     0.01
## 45 1999
              1
                    1 1638.33070
                                     0.01
## 46 1999
              2
                    1 1994.93020
                                     0.01
## 47 1999
                    1 1615.91490
                                     0.01
              3
## 48 1999
                    1 691.37920
                                     0.01
              4
## 49 2000
                    1 412.15630
                                     0.01
              1
## 50 2000
              2
                    1 667.86390
                                     0.01
## 51 2000
              3
                    1 673.18650
                                     0.01
## 52
      2000
                    1 600.23580
                                     0.01
              4
## 53 2001
                    1 1045.57345
                                     0.01
              1
## 54 2001
              2
                    1 3226.82423
                                     0.01
## 55 2001
              3
                    1 3275.36115
                                    0.01
## 56 2001
              4
                    1 1088.91250
                                     0.01
## 57 2002
                    1 1771.89524
                                     0.01
## 58 2002
              2
                    1 2957.36968
                                     0.01
## 59 2002
                    1 2698.97869
              3
                                     0.01
## 60 2002
                    1 816.01298
                                     0.01
## 61 2003
                    1 1027.34720
                                     0.01
## 62 2003
              2
                    1 2538.96731
                                     0.01
                    1 965.34638
## 63
      2003
              3
                                     0.01
## 64
      2003
                    1 416.14447
                                     0.01
## 65 2004
                    1 1384.22688
                                     0.01
              1
## 66 2004
              2
                    1 1976.41876
                                     0.01
## 67
      2004
              3
                    1 1521.88429
                                     0.01
## 68 2004
                    1 698.65820
                                     0.01
              4
## 69 2005
                    1 1398.10140
                                    0.01
## 70 2005
              2
                    1 2252.43800
                                     0.01
                    1 705.50030
## 71 2005
              3
                                     0.01
## 72 2005
                    1 84.78020
                                     0.01
              4
## 73 2006
                    1 1296.89640
                                     0.01
              1
      2006
## 74
              2
                    1 2657.27200
                                     0.01
      2006
## 75
              3
                    1 415.79930
                                     0.01
## 76 2006
                                     0.01
              4
                    1 19.12240
## 77 2007
                    1 1581.10000
              1
                                     0.01
## 78 2007
                    1 2251.47400
                                     0.01
              2
## 79
      2007
              3
                    1 1422.71140
                                     0.01
## 80 2007
                    1 360.96480
                                     0.01
              4
## 81 2008
                    1 612.77740
                                     0.01
              1
## 82
      2008
              2
                    1 1120.85830
                                     0.01
## 83
      2008
              3
                    1 910.27410
                                     0.01
## 84 2008
                    1 575.71560
                                     0.01
              4
## 85
      2009
                    1 533.46360
                                     0.01
              1
## 86 2009
              2
                    1 1280.05930
                                     0.01
## 87 2009
                    1 1015.53970
                                     0.01
```

```
## 88 2009 4 1 125.85690 0.01
## 89 2010
                 1 66.81650
                                0.01
            1
## 90 2010
                 1 1708.69360
                                0.01
            2
## 91 2010 3
                1 919.88470
                             0.01
            4
## 92 2010
                1 232.03840
                             0.01
## 93 2011
          1
                1 1326.20150
                              0.01
## 94 2011 1 1 1326.20150
## 94 2011 2 1 2342.55300
                             0.01
## 95 2011 3 1 2051.29010
                              0.01
## 96 2011
                1 571.26970
                               0.01
## 97 2012
                 1 1158.89770
            1
                                0.01
                              0.01
## 98 2012 2 1 2433.35800
## 99 2012 3 1 1219.56945
                             0.01
## 100 2012
            4
                1 26.38290
                               0.01
## 101 2013 1 1 434.46620
## 102 2013 2 1 1837.27320
                             0.01
                              0.01
## 103 2013 3 1 2683.15050
                               0.01
            4
## 104 2013
                1 276.57200
                               0.01
          1 1 1754.34260
2 1 3553.25230
## 105 2014
                                0.01
## 106 2014
                              0.01
## 107 2014 3 1 3299.66810
                              0.01
## 108 2014 4 1 438.97500
## 109 2015 1 1 1470.64330
## 110 2015 2 1 2424.77600
                              0.01
                              0.01
                              0.01
## 111 2015 3 1 1880.43700
                               0.01
            4 1 1174.22880
## 112 2015
                                0.01
                1 1351.93760
## 113 2016 1
                              0.01
## 114 2016 2 1 2267.34230
                             0.01
## 115 2016 3
                1 2253.75610
                             0.01
## 116 2016 4 1 868.77800
                             0.01
                              0.01
## 117 2017 1
                1 1051.18260
## 118 2017 2 1 2212.82050
                              0.01
## 119 2017
          3
                1 1140.49300
                               0.01
## 120 2017
                 1 206.37760
                                0.01
            4
## 121 2018 1
                1 235.82630
                             0.01
## 122 2018 2 1 2391.24930
                             0.01
## 123 2018 3
                1 1413.96970
                               0.01
            4 1 457.76760
                              0.01
## 124 2018
## 125 2019 1
                1 322.28100
                              0.01
## 126 2019 2 1 1620.61400
                               0.01
## 127 2019 3
                1 1889.17300
                               0.01
## 128 2019
                1 981.52000
                              0.01
            4
## 129 2020
                1 1286.49390
                             0.01
## 130 2020
          2 1 2314.52020
                               0.01
## 131 2020 3 1 2603.30740
                               0.01
            4 1 1113.02800
                              0.01
## 132 2020
## 133 2021
                1 644.26700
                               0.01
## 134 2021
            2
                1 3500.06880
                                0.01
                1 2794.34900
## 135 2021
                                0.01
## 136 2021
                1 622.91400
                                0.01
inputs$dat[22]
## $CPUEinfo
## Fleet Units Errtype SD_Report
## Fishery 1 1 0 0
```

```
## PELAGO
               2
                  1
## ECOCADIZ
                      1
                              0
                                        0
                3
inputs$dat[23]
## $CPUE
##
      year seas index
                          obs se_log
## 1 1998
            11
                    2 24763000
                                  0.3
## 2 2000
            11
                    2 24913000
                                  0.3
## 3 2001
                    2 21335000
                                  0.3
            11
## 4 2002
           11
                   2 24565000
                                  0.3
## 5 2005
                    2 14041000
                                  0.3
             1
## 6 2006
            1
                   2 24082000
                                  0.3
## 7 2007
                   2 38020000
                                  0.3
## 8 2008
                   2 34162000
                                  0.3
            1
## 9 2009
             1
                   2 24745000
                                  0.3
## 10 2015
                   2 33100000
                                  0.3
             1
## 11 2016
             1
                   2 65345000
                                  0.3
## 12 2017
             1
                   2 13797000
                                  0.3
## 13 2018
             1
                   2 23473000
                                  0.3
## 14 2019
                   2 29876000
                                  0.3
             1
## 15 2020
             1
                   2 49787000
                                  0.3
## 16 2021
                   2 14065000
                                  0.3
             1
## 17 2004
             3
                   3 18177143
                                  0.3
## 18 2006
             3
                   3 35539397
                                  0.3
## 19 2007
                   3 28882127
                                  0.3
             4
## 20 2009
                   3 21580497
                                  0.3
             4
## 21 2010
                   3 11338565
                                  0.3
             4
## 22 2013
             5
                   3 7336184
                                  0.3
## 23 2014
                   3 28669340
                                  0.3
             4
## 24 2015
                   3 12051443
                                  0.3
             4
## 25 2016
                   3 22836029
                                  0.3
             4
## 26 2017
                   3 6275136
                                  0.3
             4
## 27 2018
                   3 22608374
                                  0.3
## 28 2019
                    3 40220555
                                  0.3
## 29 2020
                    3 19168579
                                  0.3
inputs$dat[24]
## $N_discard_fleets
## [1] 0
inputs$dat[25]
## $use_meanbodywt
## [1] 0
inputs$dat[26]
## $lbin_method
## [1] 2
inputs$dat[27]
## $binwidth
## [1] 0.5
inputs$dat[28]
## $minimum_size
## [1] 0
inputs$dat[29]
## $maximum_size
## [1] 21.5
inputs$dat[30]
```

```
## $use_lencomp
## [1] 1
inputs$dat[31]
## $len_info
## mintailcomp addtocomp combine_M_F CompressBins CompError ParmSelect
## Fishery
                 -1 0.001 O
                                                         0
## PELAGO
                 -1
                        0.001
                                     0
                                                 0
                                                         0
                                     0
                                                 0
                                                         0
                                                                   0
## ECOCADIZ
                 -1
                        0.001
## minsamplesize
## Fishery 1
## PELAGO
                    1
## ECOCADIZ
inputs$dat[32]
## $N_lbins
## [1] 37
inputs$dat[33]
## $lbin_vector
## [1] 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0 10.5
## [16] 11.0 11.5 12.0 12.5 13.0 13.5 14.0 14.5 15.0 15.5 16.0 16.5 17.0 17.5 18.0
## [31] 18.5 19.0 19.5 20.0 20.5 21.0 21.5
inputs$dat[34]
## $lencomp
##
                                      13.5
      Yr Seas FltSvy Gender Part Nsamp
                                                     14.5
                                                               15
                                               14
           1 1 0 0 100
                                               0
                                                            452000
## 1
     1989
                                       0
                                                    127000
    1989
                        0
                             0
                                100
## 2
            2
                  1
                                         0
                                                0
                                                     0
                                                                0
## 3
     1989
            3
                        0
                             0
                                100
                                         0
                                                0
                                                        0
                  1
                                                                0
## 4
     1989
                  1
                        0
                             0
                                100
                                         0
                                                0
                                                        0
            4
                                                                0
## 5
     1990
                        0
                                100
                                         0
            1
                  1
                             0
                                                 0
                                                        0
                                                            686000
## 6 1990
                         0
                                100
                                                           11000
            2
                             0
                                         0
                                                 0
                  1
                                                         0
## 7
     1990
                        0
                             0 100
                                                 0
          3
                  1
                                         0
                                                       0
## 8
     1990
                        0
                             0
                                100
                                         0 3707000 15341000 26269000
            4
                  1
## 9
                                       0
                                           258000 3306000 43707000
     1991
                  1
                        0
                             0
                                100
            1
## 10 1991
            2
                        0
                             0
                                100
                                         0
                                             0
                                                      0 107000
                 1
## 11 1991
            3
                        0
                             0 100
                                         0
                                                 0
                                                        0
                                                               0
                  1
## 12 1991
            4
                  1
                        0
                             0
                                100
                                         0
                                                 0
                                                        0
                                                                0
## 13 1992
                  1
                        0
                             0 100
                                         0
                                                0
                                                        0
                                                              1000
            1
## 14 1992
            2
                  1
                        0
                                100
                                         0
                                             1000
                                                     26000
                                                             79000
## 15 1992
                                100
            3
                  1
                        0
                             0
                                         0
                                               0
                                                        0
                                                             0
## 16 1992
            4
                  1
                        0
                             0
                                100
                                         0
                                                 0
                                                        0
                                                                0
## 17 1993
                        0
                             0
                                100
                  1
                                         0
                                                 0
                                                     16000
                                                             16000
            1
## 18 1993
            2
                  1
                        0
                                100
                                         0
                                                 0
                                                        0
                                                                0
## 19 1993
            3
                        0
                             0
                               100
                                         0
                                                 0
                                                        0
                                                                0
                  1
## 20 1993
                        0
                             0
                                100
                                         0
                                                 0
                                                        0
                                                                0
            4
                  1
## 21 1994
                  1
                        0
                             0
                                100
                                         0
                                                 0
                                                        0
                                                                 0
            1
## 22 1994
            2
                                100
                                                 0
                  1
                        0
                             0
                                         0
                                                        0
                                                                0
## 23 1994
            3
                  1
                         0
                             0
                                100
                                         0
                                                 0
                                                        0
                                                                0
## 24 1994
             4
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                        0
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                                100
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                                                 0
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## 25 1995
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## 26 1995
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                                                 0
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## 27 1995
            3
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                        0
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                                100
                                         0
                                                 0
                                                        0
                                                                0
## 28 1995
             4
                        0
                             0
                                100
                                         0
                                                 0
                                                        0
                                                                0
                  1
## 29 1996
                                100
                                                 0
```

## 30	1996	2	1	0	0	100	0	0	0	0
## 31	1996	3	1	0	0				80798000	90142000
## 32	1996	4	1	0	0	100	0	0	0	0
## 33	1997	1	1	0	0	100	0	0	0	242000
## 34	1997	2	1	0	0	100	0	0	0	0
## 35	1997	3	1	0	0	100	0	0	1075000	11111000
## 36	1997	4	1	0	0	100	0	0	355000	355000
## 37	1998	1	1	0	0	100	0	0	0	0
## 38	1998	2	1	0	0	100	0	0	2415000	11270000
## 39	1998	3	1	0	0	100	0	0	850000	7649000
## 40	1998	4	1	0	0	100	0	0	1986000	10257000
## 41	1999	1	1	0	0	100	0	1831000	15819000	38804000
## 42	1999	2	1	0	0	100	0	0	0	0
## 43	1999	3	1	0	0	100	0	0	1236000	2296000
## 44	1999	4	1	0	0	100	0	0	0	0
## 45	2000	1	1	0	0	100	0	0	104000	3226000
## 46	2000	2	1	0	0	100	0	0	0	46000
## 47	2000	3	1	0	0	100	0	0	556000	1430000
## 48	2000	4	1	0	0	100	0	114000	196000	304000
## 49	2001	1	1	0	0	100	0	0	0	23000
## 50	2001	2	1	0	0	100	0	38000	75000	801000
## 51	2001	3	1	0	0	100	0	0	0	0
## 52	2001	4	1	0	0	100	266000	162000	1574000	4664000
## 53	2002	1	1	0	0	100	77000	77000	55 <b>7</b> 000	1486000
## 54	2002	2	1	0	0	100	0	0	467000	1706000
## <i>55</i>	2002	3	1	0	0	100	0	129000	416000	527000
## 56	2002	4	1	0	0	100	0	69000	23000	152000
## 57	2003	1	1	0	0	100	0	0	26000	52000
## 58	2003	2	1	0	0	100	0	0	0	39000
## 59	2003	3	1	0	0	100	0	0	27000	0
## 60	2003	4	1	0	0	100	0	36000	63000	127000
## 61	2004	1	1	0	0	100	0	0	0	0
## 62	2004	2	1	0	0	100	0	0	0	28000
## 63	2004	3	1	0	0	100	0	0	25000	25000
## 64	2004	4	1	0	0	100	0	0	0	0
## 65	2005	1	1	0	0	100	0	0	0	0
## 66	2005	2	1	0	0	100	0	0	0	0
## 67	2005	3	1	0	0	100	0	16000	130000	146000
## 68	2005	4	1	0	0	100	0	0	0	0
## 69	2006	1	1	0	0	100	0	0	0	0
## 70	2006	2	1	0	0	100	0	0	0	0
## 71	2006	3	1	0	0	100	0	0	0	0
## 72	2006	4	1	0	0	100	0	0	0	0
## 73	2007	4 1	1	0	0	100	0	0	0	0
## 74	2007	2	1	0	0	100	0	0	0	0
## 75	2007	3	1	0	0	100	0	0	0	0
## 76	2007	4	1	0	0	100	0	0	0	0
## 77	2008	4 1	1	0	0	100	0	0	0	0
## 77	2008	2	1	0	0	100	0	0	0	0
## 79	2008	2 3	1	0	0	100	0	0	0	0
## 19	2008		1	0	0	100	0	0	0	0
## 80	2008	4 1	1	0	0	100	0	0	0	0
## 82	2009	2	1	0	0	100	0	0	0	0
## 02	2009	Z	1	U	U	100	U	U	U	U

## 8	3 2	009	3	1	0	0	100	0	0	0	0
## 8.	4 2	009	4	1	0	0	100	0	0	0	0
## 8		010	1	1	0	0	100	0	0	0	0
## 8		010	2	1	0	0	100		0	0	0
								0			
## 8		010	3	1	0	0	100	0	0	0	0
## 8	8 2	010	4	1	0	0	100	0	0	0	0
## 8	9 2	011	1	1	0	0	100	0	0	0	0
## 9		011	2	1	0	0	100	0	0	0	0
## 9		011	3	1	0	0	100	0	0	0	0
## 9		011	4	1	0	0	100	0	0	0	0
## 9	3 2	012	1	1	0	0	100	0	0	0	0
## 9.	4 2	012	2	1	0	0	100	0	0	0	0
## 9		012	3	1	0	0	100	0	0	0	0
## 9		012		1	0	0	100	0	0	0	0
			4								
## 9		013	1	1	0	0	100	0	0	0	0
## 9	8 2	013	2	1	0	0	100	0	0	0	0
## 9	9 2	013	3	1	0	0	100	0	0	0	0
	00 2		4	1	0	0	100	0	0	0	0
	01 2		1	1	0	0	100	0	0	0	0
	02 2		2	1	0	0	100	0	0	0	0
	03 2		3	1	0	0	100	0	0	0	0
## 1	04 2	014	4	1	0	0	100	0	0	0	0
## 1	05 2	015	1	1	0	0	100	0	0	0	0
	06 2		2	1	0	0	100	0	0	0	0
	07 2		3	1	0	0	100	0	0	0	0
	08 2		4	1	0	0	100	0	0	0	0
	09 2		1	1	0	0	100	0	0	0	0
## 1	10 2	016	2	1	0	0	100	0	0	0	0
	11 2		3	1	0	0	100	0	0	0	0
	12 2			1	0	0	100	0	0	0	0
			4								
	13 2		1	1	0	0	100	0	0	0	0
	14 2		2	1	0	0	100	0	0	0	0
## 1	15 2	017	3	1	0	0	100	0	0	0	0
## 1	16 2	017	4	1	0	0	100	0	0	0	45462
	17 2		1	1	0	0	100	0	0	0	5252
	18 2		2	1	0	0	100	0	0	0	0
	19 2		3	1	0	0	100	0	0	0	0
	20 2		4	1	0	0	100	0	0	0	0
## 1.	21 2	019	1	1	0	0	100	0	0	0	0
## 1	22 2	019	2	1	0	0	100	0	0	5047	5047
	23 2		3	1	0	0	100	0	0	0	0
					0	0	100	0			
	24 2		4	1					0	0	0
	25 2		1	1	0	0	100	0	0	0	0
## 1.	26 2	020	2	1	0	0	100	0	0	0	0
## 1.	27 2	020	3	1	0	0	100	0	0	0	0
## 1	28 2	020	4	1	0	0	100	0	0	0	0
	29 21		1	1	0	0	100	0	0	0	0
								_			
	30 2		2	1	0	0	100	0	0	0	0
## 1	31 2	021	3	1	0	0	100	0	0	0	0
## 1	32 2	021	4	1	0	0	100	0	0	0	0
## 1	<i>33</i> 1.	998	4	2	0	0	100	0	0	0	0
	34 2		4	2	0	0	100	0	0	0	0
	35 2			2	0	0	100	0	0	0	0
## 1	00 21	001	4	Z	U	U	100	U	U	U	U

		2002 4		0	0	100	0	0	0	0	
		2005 1		0	0	100	0	0	0	0	
##	138	2006 1		0	0	100	0	0	0	0	
		2007 1		0	0	100	0	0	0	0	
##	140	2008 1		0	0	100	0	0	0	0	
##	141	2009 1	2	0	0	100	0	0	0	0	
##	142	2010 1	2	0	0	100	0	0	0	0	
##	143	2013 1	2	0	0	100	0	0	0	0	
##	144	2014 1	2	0	0	100	0	0	0	0	
##	145	2015 1	2	0	0	100	0	0	0	0	
##	146	2016 1	2	0	0	100	0	0	0	0	
##	147	2017 1	2	0	0	100	0	0	0	0	
##	148	2018 1	2	0	0	100	0	0	0	0	
##	149	2019 1	2	0	0	100	0	0	0	0	
##	150	2020 1	2	0	0	100	0	0	0	0	
##	151	2021 1	2	0	0	100	0	0	0	0	
##	152	2022 1	2	0	0	100	0	0	0	0	
##	153	2004 1	3	0	0	100	0	0	0	0	
##	154	2006 1	3	0	0	100	0	0	0	0	
##	155	2007 2	3	0	0	100	0	0	0	0	
##	156	2009 2	3	0	0	100	0	0	0	0	
##	157	2010 2	3	0	0	100	0	0	0	0	
##	158	2013 2	3	0	0	100	0	0	0	0	
##	159	2014 2	3	0	0	100	0	0	0	0	
		2015 2		0	0	100	0	0	0	0	
##	161	2016 2		0	0	100	0	0	0	0	
		2017 2		0	0	100	0	0	0	0	
		2018 2		0	0	100	0	0	0	0	
##	164	2019 2		0	0	100	0	0	0	0	
		2020 2		0	0	100	0	0	0	0	
##		15.5	16			16.5	17		17.5	18	
##	1	813000	994000.00		8680	00.00	1270000.00	1.910		4805000.00	
##		0	0.00			00.00	1121000.00				
##		0	0.00		,	0.00			000e+00	204000.00	
##		0	0.00			0.00			000e+00	0.00	
##		3016000	71000.00		17820	00.00	4394000.00				
##		46000	183000.00			00.00	1837000.00			3553000.00	
##		0	0.00			00.00	22000.00	,		1163000.00	
##		37570000	36711000.00		, 327350		21569000.00			6063000.00	
##		76983000	42575000.00		226310		12340001.00			7532000.00	
##		161000	803000.00		20930		3130000.00			7631000.00	
##		0	0.00			0.00			000e+00	0.00	
##		0	0.00			0.00			000e+05	1278000.00	
##		201000	856000.00		20360		3219000.00			11642000.00	
##		144000	65000.00			00.00	348000.00			974000.00	
##		0	0.00			0.00			000e+00	161000.00	
##		0	0.00			0.00			000e+00	0.00	
##		48000	130000.00		4410	00.00	1342000.00			2930000.00	
##		0	0.00		77-0	0.00	4000.00			24000.00	
##		0	1.00			0.00	•		000e+00	0.00	
##		0	0.00			0.00			000e+00	0.00	
##		0	0.00		48030		10567000.00			11208000.00	
##		0	0.00			00.00	631000.00			10987000.00	
		, and the second	2.30								

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## 23
               0
                         0.00
                                       0.00
                                                     0.00 1.000000e+04
                                                                            93000.00
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## 24
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                                       0.00
                                                     0.00 3.000000e+03
                                                                            28000.00
               0
## 25
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                                       0.00
                                                     0.00 5.100000e+04
                                                                            51000.00
## 26
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                                                     0.00 0.000000e+00
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## 27
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                                       0.00
                                                     0.00 0.000000e+00
                                                                                0.00
## 28
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                         0.00
                                       0.00
                                                     0.00 2.830000e+05
                                                                           283000.00
## 29
               0
                         0.00
                                  285000.00
                                              1355001.00 1.996000e+06
                                                                          4349000.00
## 30
               0
                         0.00
                                  453000.00
                                              2153000.00 3.173000e+06
                                                                          6913000.00
                                             19364000.00 1.104400e+07
## 31
       61695001
                  38823000.00
                               27917000.00
                                                                          2118000.00
##
   32
              0
                    134000.00
                                 327000.00
                                              1579001.00 6.184000e+06
                                                                         13497000.00
## 33
         969000
                   3392000.00
                                 7631000.00
                                              6783000.00 2.544000e+06
                                                                           850000.00
## 34
         660000
                   1320000.00
                                 6928000.00
                                             11547000.00 1.022800e+07
                                                                          9238000.00
## 35
       37277000
                  43366000.00
                               23494000.00
                                             19526001.00 1.239100e+07
                                                                         28215000.00
## 36
         355000
                   7455000.00
                                16684000.00
                                             33013000.00 2.271900e+07
                                                                          9584001.00
## 37
        3764000
                                             25053000.00 9.273000e+06
                  12798000.00
                               29737000.00
                                                                         14167000.00
## 38
       24149000
                  30931000.00
                               25326000.00
                                             15246000.00 1.028900e+07
                                                                          7737000.00
## 39
       14448000
                  16997000.00
                                 9065000.00
                                              6799001.00 5.293000e+06
                                                                          3877000.00
       22367000
                               24433000.00
                                             31383000.00 2.381200e+07
## 40
                  33257000.00
                                                                          9996000.00
       34062000
                                16299000.00
                                             11705000.00 5.577000e+06
## 41
                  17339000.00
                                                                          1862001.00
## 42
              0
                         0.00
                                       0.00
                                                     0.00 0.000000e+00
                                                                           134000.00
## 43
        2119000
                   1854000.00
                                 2914000.00
                                              3974000.00 7.647001e+06
                                                                          7363000.00
## 44
              0
                    173000.00
                                 1208000.00
                                              2070000.00 5.865000e+06
                                                                         11475000.00
## 45
        6888000
                   7641000.00
                                 6157000.00
                                              4986000.00 1.024000e+07
                                                                          8194001.00
## 46
         213000
                    698000.00
                                 542000.00
                                               365000.00 6.490000e+05
                                                                          1481000.00
## 47
        1750000
                   2787000.00
                                 3197000.00
                                              5097000.00 7.795001e+06
                                                                          7474000.00
## 48
         540000
                                              1306000.00 1.702000e+06
                   1835000.00
                                 1550000.00
                                                                          2555000.00
## 49
          37000
                    100000.00
                                 150000.00
                                                 97000.00 2.700000e+05
                                                                          1269000.00
## 50
        1297000
                   3434000.00
                                 5189000.00
                                              3357000.00 5.112000e+06
                                                                          8138000.00
## 51
              0
                     33000.00
                                   33000.00
                                               303000.00 4.170000e+05
                                                                          1725000.00
## 52
        7968000
                   8265000.00
                                 9680000.00
                                             12154000.00 4.885000e+06
                                                                          5857001.00
## 53
        1679000
                   1211000.00
                                 2420000.00
                                              2669000.00 2.994000e+06
                                                                          3968000.00
## 54
        4361000
                   6688000.00
                                 8774000.00
                                              6730000.00 4.982000e+06
                                                                          4572000.00
        2556000
                   5033000.00
                                 5642000.00
                                              3334000.00 5.792001e+06
                                                                          4712000.00
## 55
## 56
         124000
                    846000.00
                                 932000.00
                                              1506000.00 1.033000e+06
                                                                           886000.00
                                 1645000.00
## 57
         140000
                    551000.00
                                              2872000.00 2.983000e+06
                                                                          3856000.00
                                               979000.00 1.407000e+06
## 58
          90000
                    194000.00
                                 590000.00
                                                                          4244000.00
                     77000.00
                                               320000.00 4.300000e+05
## 59
          46000
                                 270000.00
                                                                           838000.00
## 60
         377000
                    940000.00
                                  627000.00
                                               628000.00 5.680000e+05
                                                                          1137000.00
## 61
              0
                         0.00
                                       0.00
                                                     0.00 2.000000e+03
                                                                           569000.00
## 62
         107000
                     92000.00
                                  206000.00
                                               350000.00 5.930000e+05
                                                                          1186000.00
## 63
          82000
                    253000.00
                                  426000.00
                                              1079000.00 1.249000e+06
                                                                           917000.00
## 64
          24000
                     52000.00
                                  127000.00
                                               316000.00 5.130000e+05
                                                                           941000.00
## 65
              0
                     48000.00
                                  143000.00
                                               149000.00 1.372000e+06
                                                                         10203000.00
               0
## 66
                         0.00
                                  127000.00
                                                94000.00 3.230000e+05
                                                                           646000.00
## 67
          81000
                    374000.00
                                 370000.00
                                               643000.00 7.080000e+05
                                                                          3141000.00
## 68
               0
                     24000.00
                                   94000.00
                                               227000.00 6.390000e+05
                                                                           975000.00
               0
## 69
                     40000.00
                                   79000.00
                                               134000.00 5.930000e+05
                                                                          1116000.00
##
  70
              0
                    333000.00
                                  707000.00
                                              1931000.00 5.445000e+06
                                                                          6228000.00
## 71
              0
                         0.00
                                   47000.00
                                               211000.00 4.900000e+05
                                                                          1132000.00
## 72
               0
                         0.00
                                                14000.00 4.300000e+04
                                       0.00
                                                                           143000.00
## 73
               0
                                               719000.00 1.540000e+06
                         0.00
                                       0.00
                                                                          2270000.00
               0
                         0.00
                                  237000.00
                                               1300000.00 2.343000e+06
                                                                         10485000.00
## 74
                                       0.00
## 75
               0
                         0.00
                                                     0.00 8.800000e+04
                                                                          1113000.00
```

## 76	0	0.00	8000.00	17000.00 1.210000e+05 316000.00
## 77	0	0.00	0.00	53000.00 2.501000e+05 972700.00
## 78	0	0.00	0.00	0.00 0.000000e+00 46600.00
## 79	0	0.00	0.00	0.00 2.216000e+05 598700.00
## 80	0	0.00	0.00	23000.00 1.400000e+05 406000.00
## 81	0	0.00	0.00	0.00 0.000000e+00 10000.00
## 82	0	0.00	0.00	0.00 9.800000e+04 104000.00
## 83	0	0.00	0.00	5000.00 1.400000e+04 273000.00
## 84	0	0.00	0.00	0.00 0.000000e+00 33000.00
## 85	0	0.00	0.00	0.00 0.000000e+00 17000.00
## 86	0	0.00	0.00	0.00 1.360000e+05 226000.00
## 87	0	0.00	0.00	24000.00 1.130000e+05 320000.00
## 88	0	0.00	0.00	0.00 0.000000e+00 51000.00
## 89	0	0.00	0.00	0.00 0.000000e+00 0.00
## 90	0	0.00	0.00	438000.00 6.590000e+05 1819000.00
## 91	0	0.00	195000.00	97000.00 6.050000e+05 2562000.00
## 92	0	0.00	0.00	152000.00 1.520000e+05 461000.00
## 93	0	394000.00	53000.00	1813000.00 1.967000e+06 4500000.00
## 94	0	0.00	0.00	150000.00 8.650000e+05 3443000.00
## 95	0	0.00	11000.00	80000.00 3.200000e+05 1204000.00
## 96	0	0.00	0.00	0.00 0.000000e+00 0.00
## 97	0	0.00	0.00	0.00 7.800000e+04 342000.00
## 98	0	0.00	0.00	577000.00 1.329000e+06 2750000.00
## 99	0	0.00	0.00	906000.00 1.000000e+06 3046000.00
## 100	0	0.00	0.00	0.00 0.000000e+00 506000.00
## 101	0	0.00	2288.37	13779.25 5.022639e+05 2036441.75
## 102	0	0.00	25896.95	21523.08 4.302833e+04 1082714.01
## 103	0	0.00	0.00	4477.26 1.791391e+04 47565.91
## 104	0	0.00	0.00	0.00 0.000000e+00 0.00
## 105	0	0.00	0.00	5028.00 7.228000e+05 1597153.00
## 106	0	0.00	367.00	7272.00 2.652300e+04 51012.00
## 107	0	0.00	0.00	7336.00 3.667600e+04 49888.00
## 108	0	80458.00	563207.00	804582.00 1.367789e+06 576716.00
## 109	0	0.00	0.00	6674.00 6.008000e+04 40053.00
## 110	0	0.00	0.00	0.00 0.000000e+00 0.00
## 111	9084	54503.00	27251.00	377488.00 5.213110e+05 826587.00
## 112	0	0.00	3210.00	28774.00 1.339500e+04 19643.00
## 113	0	0.00	0.00	0.00 2.363967e+03 207864.38
## 114	0	0.00	0.00	0.00 5.998307e+05 3365710.16
## 115	0	53115.95	214657.35	409779.40 7.144277e+05 1762878.67
## 116	34097	164068.00	886529.00	2033970.00 2.003778e+06 1269577.00
## 117	6314	78368.00	386192.00	450979.00 4.109890e+05 551191.00
## 118	106131	45285.00	30662.00	22531.00 4.670000e+04 152258.00
## 119	0	15362.00	0.00	0.00 1.536200e+04 61451.00
## 120	9969	31736.00	91200.00	84433.00 1.501110e+05 208334.00
## 121	0	6079.00	0.00	5750.00 1.686900e+04 27581.07
## 122	0	13850.00	35250.00	78464.00 1.580400e+05 235035.00
## 123	0	0.00	0.00	0.00 0.000000e+00 0.00
## 124	0	0.00	0.00	0.00 0.000000e+00 0.00
## 125	0	0.00	0.00	0.00 0.000000e+00 18398.36
## 126	0	0.00	0.00	0.00 0.000000e+00 47547.66
## 127	0	0.00	0.00	0.00 2.955990e+05 243850.00
## 128	0	0.00	1389.00	0.00 4.798500e+04 162195.00

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## 129
              0
                         0.00
                                    2936.00
                                                11745.00 8.887000e+03
                                                                           8501.00
## 130
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                                                     0.00 8.765000e+03
                                                                            38387.00
                                                106169.00 1.713580e+05
## 131
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## 133
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                                                     0.00 5.802000e+06
                                                                         11500000.00
## 134
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                                             20217000.00 2.187000e+07
                                                                         34807000.00
## 135
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                         0.00
                                       0.00
                                                     0.00 0.000000e+00
                                                                                 0.00
                                                                          6880000.00
## 136 27447000 267590000.00 185249000.00
                                              75461000.00 2.056700e+07
                                                     0.00 0.000000e+00
              0
                         0.00
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## 137
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              0
## 138
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                                                     0.00 0.000000e+00
                                                                                 0.00
## 139
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                                                                                 0.00
## 140
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              0
## 141
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## 142
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                                                                         35534000.00
## 143
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## 144
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## 155
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## 163
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                                       0.00
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## 164
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                                                     0.00 0.000000e+00
                                                                                 0.00
## 165
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##
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                                       19.5
                                                      110
                                                               110.5
                             19
                                                                            111
## 1
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                                 19248000.0
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                                                           31135000
                                                                       27463000
## 2
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                                 22867000.0
                                             36103000.00
                                                           35930001
                                                                       37460000
## 3
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                                   271000.0
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                                                            2728000
                                                                        3463000
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                                                                   1
## 4
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## 5
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                                 40534000.0
                                             48816001.00
                                                                       28671000
         2721000.0
                                                           32674000
                                                                       23466000
## 6
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                                              4890000.00
## 7
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                                  4142000.0
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                                                                       14488000
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## 8
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                                              17331000.00
                                                           10583000
                                                                        5354000
## 9
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                       4414000
                                  9163000.0
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                                                           16789000
## 10
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## 11
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                                                                       17212000
## 12
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                                              8534000.00
                                                            2576000
                                 17144000.0
                                                                         443000
## 13
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                      11418000
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                                                           10917000
## 14
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                                                           16956000
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           89000.0
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                                   869001.0
                                              2813000.00
                                                            3997000
## 15
                                                                        3796000
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## 16	0.0	0	0.0	0.00	0	0	
## 17	1865000.0	1119000	680000.0	869000.00	2687000	2986000	
## 18	40000.0	2011000	5303000.0	5115000.00	4129000	2196000	
## 19	0.0	46000	46000.0	151000.00	667000	1533000	
## 20	0.0	29000	29000.0	94000.00	416000	956000	
## 21	7045000.0	5124001	3757000.0	12092000.00	13737000	10143000	
## 22	13593000.0	13499000	9939000.0	9941000.00	12128000	16743001	
## 23	275000.0	530001	359000.0	308000.00	195000	191000	
## 24	81000.0	159001	94000.0	84000.00	22000	9000	
## 25	51000.0	255000	990000.0	939000.00	1257000	2526001	
## 26	8000.0	40000	129000.0	300000.00	481000	743000	
## 27	0.0	773000	1160000.0	3865001.00	6184000	3479001	
## 28	283000.0	1415000	5379000.0	4529001.00	4529000	849000	
## 29	4335000.0	1640000	426000.0	72000.00	73000	3000	
## 30	6573001.0	2893000	837000.0	1619000.00	5790000	16921000	
## 31	454000.0	200000	63000.0	182000.00	191000	221000	
## 32	15461000.0	9178000	4291000.0	1430000.00	577000	140000	
## 33	244000.0	308000	689000.0	1933001.00	3742000	7043000	
## 34	4949000.0	990000	330000.0	1061000.00	2691001	5065000	
## 35	27622000.0	17975000	10951000.0	3937000.00	2140000	4809000	
## 36	4970000.0	1204000	1732000.0	1892000.00	3341000	5221000	
## 37	18911000.0	23551000	28843001.0	46034000.00	42529000	30525000	
## 38	15798000.0	31364001	42590000.0	37817000.00	33981000	37797000	
## 39	2954000.0	2379000	4234000.0	12498000.00	25805000	38267000	
## 40	11844001.0	21895000	31125000.0	36022000.00	48225000	51688000	
## 41	1603000.0 554000.0	2350000 1072000	<i>3593000.0 2005000.0</i>	5977000.00	<i>8935000</i> <i>5913000</i>	9936000	
## 42 ## 43	4464000.0	2501000	1498000.0	4585000.00 2176000.00	3478000	8294000 7644000	
## 44	9103000.0	9015001	10390000.0	10792000.00	13156000	7719000	
## 45	5931000.0	2301000	2011000.0	1665000.00	1990000	2038000	
## 46	2643000.0	2833000	6439000.0	9467000.00	7888001	6832000	
## 47	4654000.0	3735000	4363000.0	4970000.00	6326000	7379000	
## 48	5362000.0	10566000	14584001.0	17947000.00	9999000	5565000	
## 49	3826000.0	9471000	13691000.0	13923000.00	10330001	10821000	
## 50	6620000.0	2964000	4038000.0	3970000.00	12676000	19420001	
## 51	2676000.0	2949000	3800001.0	6351000.00	6797000	10019000	
## 52	6304000.0	7540000	8090000.0	11653000.00	13343000	10412000	
## 53	6092000.0	11182000	17389000.0	23721000.00	29733001	29119000	
## 54	5227000.0	12233000	44594000.0	39611000.00	25030001	21313000	
## 55	5211000.0	4047000	2148000.0	1204000.00	3817000	15166000	
## 56	1681000.0	2523000	2200000.0	3196001.00	1780000	973000	
## 57	5391000.0	7225000	7212000.0	8717000.00	8309001	7192000	
## 58	8390000.0	9949000	15448000.0	19676000.00	23069000	25793001	
## 59	1949000.0	4314000	6218001.0	5939000.00	7354000	9206000	
## 60	1642000.0	2037000	4568000.0	8832001.00	10073000	8606000	
## 61	1311000.0	6323000	11751000.0	23497000.00	28091001	31538000	
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## 63	1161000.0	1602000	3166001.0	5544000.00	9914000	7688000	
## 64	880000.0	5978000	17305000.0	19340001.00	12737000	7930000	
## 65	30494000.0	32661000	20531000.0	18906001.00	20563000	13736000	
## 66	2227000.0	3778000	11553000.0	39603000.00	91058001	44291000	
## 67	3760000.0	5624001	3917000.0	3599000.00	2344000	2179000	
## 68	1103000.0	2763001	3457000.0	2173000.00	1152000	757000	

## 69	3751000.0	13782000	20146000.0	17768000.00	20145001	19832000	
## 70	13470000.0	20789000	28286000.0	29754000.00	33717001	43446000	
## 71	3439001.0	7006000	5846000.0	4906000.00	5361000	4974001	
## 72	369000.0	490001	427000.0	327001.00	91000	23000	
## 73	15445000.0	35154000	34447000.0	31440001.00	30360000	30999000	
## 74	21938000.0	20354000	18413000.0	25768000.00	24271001	16517000	
## 75	2336000.0	10154000	15630001.0	15063000.00	9721000	7938000	
## 76	1308000.0	1930000	2108000.0	2330001.00	3882000	6410000	
## 77	1559700.0	1008700	1271400.0	1959000.00	4381000	5977801	
## 78	102500.0	380100	525500.0	849100.00	1169800	3114000	
## 79	805800.0	3103400	8694000.0	8958001.00	5939200	3471900	
## 80	919000.0	1892000	1425000.0	1234000.00	987000	1043001	
## 81	21000.0	79000	339000.0	552000.00	293000	1308000	
## 82	328000.0	826000	2162000.0	6013000.00	10616000	18092000	
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## 86	1423000.0	1348000	4563000.0	8658000.00	20112000	31060000	
## 87	582000.0	2737000	3633000.0	3784001.00	4116000	3399000	
## 88	4000.0	330000	1346000.0	3532000.00	6640001	5754000	
## 89	393000.0	2325000	7544000.0	17223000.00	25309000	31428001	
## 90	4135000.0	7393000	9995000.0	9822000.00	11445000	27831000	
## 91	4761000.0	11177000	16573000.0	25379000.00	29587001	34919000	
## 92	766000.0	1971000	4127000.0	6026000.00	8793000	7635001	
## 93	9980000.0	9901000	11582000.0	10978000.00	7524000	9473001	
## 94	6003000.0	8297000	6637000.0	6903000.00	7580000	9540000	
## 95	2534000.0	5318000	5069000.0	3191001.00	1868000	870000	
## 96	0.0	0	21000.0	96000.00	350000	530001	
## 97	695000.0	1797000	4058000.0	7185000.00	6900000	7103001	
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## 99	7723000.0	16223000	26501001.0	30526000.00	30532000	17285000	
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## 101	5832728.5	17640348	21090906.8	37491208.84	36859528	36993454	
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## 103	1154001.4	9641272	11701535.2	23719513.32	25083279	39013029	
## 104	0.0	0	0.0	62284.19	333100	1828188	
## 105	2367450.0	7522321	8667778.0	13554766.00	10998430	16326457	
## 106	1033267.0	4503810	17486435.0	36441581.00	39300072	34388522	
## 107		8565376	23035638.0	25762785.00	23361731	26485001	
## 108	1575861.0	726074	3649802.0	15129004.00	20269686	21043330	
## 109	497678.0	2241089	11355934.0	25653078.00	28678025	19857356	
## 110	270606.0	2375578	8751020.0	15952095.00	29108946	22194480	
## 111	1166688.0	1753073	2287924.0	2956829.00	5684528	10873837	
## 112	169192.0	1277114	3282506.0	4044428.00	7868094	11579968	
## 113	1014419.8	4429050	9670968.1	20154131.18	27412536	25039403	
## 114	9768961.6	18069513	22242112.5	26531325.00	47345839	40212575	
## 115	3854967.3	10898540	17876148.5	30448547.56	36574499	22440602	
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## 117		1432469	1082419.2	3120624.32	3707186	4186373	
## 118	1268245.0	3706716	8332544.0	14067508.00	20695416	30059717	
## 119	42169.0	45882	619511.4	2471532.52	3084985	4827738	
## 120	307898.0	160489	322716.5	927793.88	1019069	1583580	
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## 146 595852000.0 1035104000 780278000.0 711319000.00 793083000 1457893000
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##
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## 1
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## 4
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## 6
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## 7
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## 8
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                           0.00
                                       0.00
                                                  0.00
## 1
         410000.00
                                                              0.00
                                                                         0.00
```

##		825000.00	825000.00	413000.00	0.00	0.00	0.00	
##		985000.00	854000.00	1097000.00	4595000.00	7271001.00		
##		574000.00	335000.00	96000.00	48000.00	0.00	0.00	
##		175000.00	1.00	128000.00	0.00	0.00	0.00	
##		277000.00	149000.00	1000.00	4000.00	6000.00	3000.00	
##		724000.00	450000.00	179000.00	308000.00	518001.00	336000.00	
##		28000.00	6000.00	9000.00	26000.00	38000.00	32000.00	
##		0.00	0.00	0.00	0.00	0.00	0.00	
##		1265001.00	1037000.00	320000.00	0.00	0.00	0.00	
##		3925000.00	903000.00	513000.00	1343000.00	1606000.00		
##		17000.00	41000.00	97000.00	165001.00	418000.00	238001.00	
##		234000.00	0.00	19000.00	50001.00	113001.00	57000.00	
	14	372000.00	31000.00	0.00	0.00	0.00	0.00	
##		1574000.00	271000.00	871001.00	221000.00	100000.00	0.00	
##		0.00	13000.00	32001.00	83000.00	58001.00	39000.00	
	17	343001.00	0.00	67000.00	0.00	0.00	0.00	
	18	1566001.00	859000.00	303000.00	51000.00	0.00	0.00	
##		183000.00	0.00	46000.00	0.00	0.00	0.00	
##		114000.00	0.00	29000.00	0.00	1.00	0.00	
##		0.00	0.00	0.00	0.00	0.00	0.00	
##		2649000.00	1349000.00	0.00	0.00	0.00	0.00	
##		1242000.00	1704001.00	642000.00	646000.00	274000.00	179000.00	
##		415000.00	265001.00	121000.00	85000.00	49000.00	0.00	
##		38001.00	99000.00	5000.00	0.00	0.00	0.00	
##	26	90000.00	30000.00	0.00	0.00	0.00	0.00	
	27	0.00	0.00	0.00	0.00	0.00	0.00	
##		0.00	0.00	0.00	0.00	0.00	0.00	
##		0.00	0.00	0.00	0.00	0.00	0.00	
##		157000.00	0.00	0.00	0.00	0.00	0.00	
##	31	692000.00	566001.00	438000.00	141000.00	0.00	0.00	
##		0.00	0.00	1.00	0.00	0.00	0.00	
##		2590000.00	310000.00	63000.00	0.00	0.00	0.00	
##		1865000.00	797000.00	279000.00	186000.00	0.00	0.00	
##		5597000.00	4302001.00	3241000.00	1891000.00	294000.00	0.00	
##		1084000.00	861001.00	151000.00	125000.00	0.00	0.00	
	37	498000.00	0.00	0.00	0.00	0.00	0.00	
##	38	159000.00	59000.00	0.00	0.00	0.00	0.00	
	39	3207000.00	1385001.00	521000.00	134000.00	0.00	0.00	
	40	1723000.00	587000.00	42000.00	0.00	0.00	0.00	
##	41	1453000.00	400000.00	118000.00	0.00	0.00	0.00	
##	42	5626000.00	2830000.00	1564000.00	659000.00	227000.00	0.00	
	43	5985000.00	3397001.00	741000.00	229000.00	18000.00	0.00	
##	44	184001.00	184000.00	0.00	0.00	0.00	0.00	
##	45	88000.00	46000.00	0.00	0.00	0.00	0.00	
##	46	2152000.00	2011001.00	626000.00	97000.00	0.00	97000.00	
##	47	1034000.00	660001.00	330000.00	182000.00	0.00	0.00	
##	48	439000.00	95000.00	27000.00	15001.00	4000.00	0.00	
##	49	1633000.00	1475000.00	842001.00	456000.00	415000.00	447000.00	
##	50	6100000.00	5016000.00	2556000.00	3330001.00	2518000.00	1527000.00	
##	51	12846000.00	8038000.00	5413000.00	3971001.00	1787000.00	975000.00	
##	52	2795000.00	1506000.00	591000.00	548001.00	315000.00	116000.00	
##	53	1041000.00	394001.00	208000.00	219000.00	130000.00	74000.00	
##	54	6159000.00	4201001.00	1356000.00	521000.00	98000.00	117000.00	

	<i>55</i>	13822000.00	7739000.00	3593001.00	2328000.00	703000.00	593000.00	
	56	5033000.00	1941000.00	1498001.00	868000.00	14000.00	0.00	
	57	4218000.00	5282001.00	1992000.00	932000.00	302000.00	58000.00	
	58	3738000.00	1713001.00	1036000.00	541000.00	256000.00	242000.00	
	59	831000.00	295000.00	388000.00	136000.00	164001.00	193000.00	
##	60	82000.00	125000.00	2000.00	0.00	0.00	0.00	
##	61	493000.00	4000.00	1.00	0.00	243000.00	0.00	
	62	1854001.00	659000.00	62000.00	65000.00	0.00	0.00	
	63	2526000.00	682000.00	126001.00	36000.00	86000.00	0.00	
##	64	495000.00	374001.00	574000.00	5000.00	0.00	0.00	
	65	531000.00	296000.00	0.00	0.00	0.00	0.00	
	66	367000.00	60000.00	230000.00	0.00	0.00	0.00	
##	67	1341000.00	474001.00	77000.00	201000.00	0.00	0.00	
	68	4000.00	4000.00	0.00	0.00	0.00	0.00	
##	69	348000.00	87000.00	0.00	0.00	0.00	0.00	
##	70	1277001.00	1617000.00	172000.00	441000.00	0.00	0.00	
##	71	515000.00	259000.00	0.00	0.00	0.00	0.00	
##	72	0.00	0.00	0.00	0.00	0.00	0.00	
##	73	0.00	79000.00	0.00	0.00	0.00	0.00	
##	74	1540000.00	3391000.00	0.00	44000.00	0.00	0.00	
##	<i>75</i>	1583001.00	1144000.00	53000.00	0.00	0.00	0.00	
##	76	183000.00	27000.00	2000.00	0.00	0.00	0.00	
##	77	1369000.00	918400.00	617901.00	344700.00	172300.00	172300.00	
	78	5535702.00	3751300.00	1561600.00	1267400.00	361500.00	124700.00	
##	79	2634201.00	1853900.00	680900.00	613300.00	40000.00	111400.00	
##	80	2287001.00	1584000.00	637000.00	454000.00	193000.00	19000.00	
##	81	1343001.00	558000.00	576000.00	1000.00	0.00	0.00	
##	82	2383000.00	2455001.00	618000.00	303000.00	49000.00	0.00	
	83	4598000.00	3352001.00	954000.00	659000.00	32000.00	4000.00	
	84	92000.00	9000.00	4001.00	4000.00	1000.00	0.00	
##	<i>85</i>	1000.00	30000.00	29000.00	0.00	0.00	0.00	
	86	1424001.00	740000.00	472000.00	174000.00	50000.00	34000.00	
	87	2618000.00	1125001.00	180000.00	61000.00	65000.00	0.00	
	88	28000.00	0.00	0.00	0.00	0.00	0.00	
	89	1597001.00	1189000.00	694000.00	409000.00	35000.00	0.00	
##	90	1915000.00	1012000.00	153000.00	154000.00	0.00	0.00	
##	91	4231000.00	4208001.00	2303000.00	589000.00	192000.00	185000.00	
	92	436000.00	218000.00	0.00	0.00	0.00	0.00	
	93	516000.00	9000.00	104000.00	97000.00	1000.00	0.00	
	94	6107000.00	1552000.00	930000.00	178000.00	305000.00	110000.00	
	95	8611001.00	5115000.00	2316000.00	810000.00	489000.00	29000.00	
	96	18000.00	10000.00	6000.00	0.00	0.00	0.00	
	97	579000.00	121001.00	89000.00	40000.00	8000.00	0.00	
	98	3623001.00	1263000.00	1088000.00	463000.00	106000.00	77000.00	
	99	6568000.00	4310000.00	1778001.00	581000.00	215000.00	9000.00	
	100	0.00	0.00	0.00	0.00	0.00	0.00	
	101	161249.77	140944.66	58278.18	25086.42	0.00	11687.06	
	102	692809.88	505856.63	0.00	33408.87	22268.93	0.00	
	103	4405638.67	1595751.39	1205203.89	625996.23	6630.77	6630.77	
	104	1644670.43	608937.61	0.00	45735.09	0.00	0.00	
	105	4523935.00	5349632.00	430034.00	3609005.00	4690.00	645050.00	
	106	3668399.00	3070399.00	2754046.00	593945.00	258544.00	70210.00	
##	107	1230188.00	243165.00	131348.00	156839.00	9004.00	0.00	

```
## 108
        1216732.00
                     1638013.00
                                   422627.00
                                              0.00
                                                           133765.00
                                                                      0.00
## 109
        1288033.00
                      325140.00
                                                                        2330.00
                                   258924.00
                                                11717.00
                                                            28951.00
## 110
        2499268.00
                      2243586.00
                                   542096.00
                                                           159562.00
                                               719213.00
                                                                         0.00
## 111
        11386279.00
                     2745609.00
                                  2849880.00
                                              1256714.00
                                                           764845.00
                                                                        1784.00
## 112
        1088934.00
                     642086.00
                                   528872.00
                                                47574.00
                                                            9515.00
                                                                           0.00
## 113
         287547.15
                    137249.15
                                   90185.66
                                                58606.19
                                                            42521.09
                                                                           0.00
## 114
         2029078.99
                     1872572.92
                                   515764.56
                                               524810.71
                                                            13515.20
                                                                       59709.41
## 115
          26518.99
                      16876.92
                                   29190.53
                                                    0.00
                                                                0.00
                                                                           0.00
## 116
        1183276.00
                      986989.00
                                   524664.00
                                               263878.00
                                                            71599.00
                                                                       98988.00
## 117
          43847.06
                       27460.00
                                    13414.00
                                                 6967.00
                                                            5040.00
                                                                           0.00
## 118
        1844901.00
                      186230.00
                                    73807.00
                                                    0.00
                                                                0.00
                                                                           0.00
## 119
         4076195.21
                      2669735.82
                                   490345.60
                                               395934.91
                                                                0.00
                                                                       48856.00
## 120
        1355922.43
                      890515.14
                                   163342.67
                                               141769.89
                                                            26888.00
                                                                       9603.00
## 121
         613657.45
                      300787.81
                                   314657.90
                                               86752.73
                                                            77943.52
                                                                       38297.69
## 122
         2101903.00
                      897409.00
                                  1014653.00
                                               356254.00
                                                           507327.00
                                                                      253663.00
## 123
         2550082.00
                      511200.00
                                   584781.00
                                               304389.00
                                                            23516.00
                                                                           0.00
## 124
               0.00
                           0.00
                                       0.00
                                                0.00
                                                                0.00
                                                                           0.00
## 125
         732949.78
                      307529.65
                                   353586.54
                                               124147.49
                                                           176793.45
                                                                       88396.55
## 126
         2186568.97
                      600425.86
                                   611517.29
                                              200150.19
                                                           285025.84
                                                                      142512.64
        3977248.57
## 127
                     2977835.18
                                               58872.00
                                  1203520.00
                                                                0.00
                                                                         0.00
## 128
                                  1443890.00
         2250026.00
                     1154083.00
                                               758910.00
                                                           443630.00
                                                                       68975.00
## 129
        1648298.00
                     325057.00
                                  154850.00
                                                 6549.00
                                                           6549.00
                                                                       16154.00
## 130
        7613127.00
                     3457202.00
                                  1188030.00
                                                    0.00
                                                           264007.00
                                                                           0.00
## 131
        5370966.00
                     1130820.00
                                  759025.00
                                               535249.00
                                                           128653.00
                                                                         765.00
                                   111494.00
## 132
         782290.00
                      120891.00
                                               9397.00
                                                           9397.00
                                                                           0.00
## 133
       43109000.00 17192000.00 13065000.00 1018000.00 5397000.00
                                                                           0.00
## 134
       34394000.00
                    29420000.00 13317000.00 12802000.00
                                                          3256000.00
                                                                        5000.00
## 135 14934000.00
                   13217000.00
                                  8383000.00 10045000.00 5450000.00
                                                                           0.00
## 136 109224000.00
                    66802000.00
                                 42977000.00 19662000.00 13561000.00
                                                                           0.00
## 137 12923000.00
                      4308000.00
                                        0.00
                                                    0.00
                                                                0.00
                                                                           0.00
## 138
       17159000.00
                      7418000.00
                                  4822000.00 3010000.00
                                                                0.00
                                                                           0.00
## 139 28694000.00
                      9674000.00
                                  5498000.00 2287000.00
                                                           462000.00 913000.00
## 140 158234000.00 204990000.00 94842000.00 61673000.00 24317000.00 2125000.00
## 141 128652000.00
                    96428000.00 105322000.00 42758000.00 9482000.00 3998000.00
## 142
              0.00
                       0.00
                                        0.00
                                                    0.00
                                                                0.00
## 143
       28243000.00
                    28102000.00 31331000.00 21790000.00 12523000.00 2310000.00
                                              748000.00
       37541000.00
                    36225000.00 17804000.00
## 144
                                                                0.00
                                                                           0.00
## 145
        3264000.00
                      1640000.00
                                   410000.00
                                                    0.00
                                                                0.00
                                                                           0.00
## 146
              0.00
                           0.00
                                        0.00
                                                    0.00
                                                                0.00
                                                                           0.00
## 147
        8996000.00
                    17831000.00
                                        0.00
                                                    0.00
                                                                0.00
                                                                           0.00
## 148
       30437000.00
                     2255000.00
                                  7557000.00 1198000.00
                                                                0.00 1198000.00
## 149
       40320000.00
                    13390000.00
                                  4513000.00
                                                    0.00
                                                                0.00
                                                                           0.00
## 150
       54389000.00
                    37586000.00 15431000.00 12498000.00 3748000.00
                                                                           0.00
                    12937000.00
## 151
       25494000.00
                                  4079000.00 5884000.00
                                                                0.00
                                                                           0.00
## 152
       22730796.74
                    20028584.49
                                 23068335.93 18745133.88 13172256.24 3613926.71
## 153
       74603657.00
                    30388082.00
                                16335946.00 6580494.00 3399692.00 2159855.00
       77770317.00
                                  9989736.00 7974829.00 1510588.00 253567.00
## 154
                   45440975.00
## 155 150475374.00
                    90122388.00
                                 36398198.00 25745508.00 8525738.00 3379980.00
## 156 148710918.00 90174898.00
                                 45764737.00 33323173.00 17609653.00 7466726.00
## 157 20896554.00 13193499.00
                                  8316031.00 5193393.00 4337642.00 970317.00
       47004112.00 42085969.00 31045095.00 24404499.00 8350867.00 4393685.00
## 158
## 159
        98557120.00
                    61928688.00
                                 25964978.00 16693469.00 8048546.00 3408990.00
## 160
          20297.00
                        6668.00
                                     2106.00
                                                  732.00
                                                               63.00
                                                                          22.00
```

		02002				0 mm	= 105	- 00		ma	<b>W</b> 00 00	
	161	27927.		9991.00		077.00	5195			701.00	790.00	
	162	15345409.		34099.00		900.00	1546688			881.00	945907.00	
	163	56661386.		2344.00		•	20462559				5620262.00	
	164	26159447.		32245.00		064.00	4227432			169.00	736304.00	
	165	63111464.		23128.00							5758458.00	
##		117.5	118	118.5	l19 l			.20.5				
##		0.00	0	0	0	0	0.00	0	0	0		
##		0.00	0	0	0	0	0.00	0	0	0		
		1241000.00		0	0	0	0.00	0	0	0		
##		0.00	0	0	0	0	0.00	0	0	0		
		0.00	0	0	0	0	0.00	0	0	0		
	6	1000.00	1000	0	0	0	0.00	0	0	0		
##	7	174000.00	125000	19000	0	0	0.00	0	0	0		
##	8	21000.00	15000	0	0	0	0.00	0	0	0		
##	9	0.00	0	0	0	0	0.00	0	0	0		
##	10	0.00	0	0	0	0	0.00	0	0	0		
##	11	399000.00	79000	0	0	0	0.00	0	0	0		
##	12	138000.00	0	0	0	0	0.00	0	0	0		
##	13	6000.00	0	0	0	0	0.00	0	0	0		
##	14	0.00	0	0	0	0	0.00	0	0	0		
	15	0.00	0	0	0	0	0.00	0	0	0		
	16	13000.00	0	0	0	0	0.00	0	0	0		
	17	0.00	0	0	0	0	0.00	0	0	0		
##		0.00	0	0	0	0	0.00	0	0	0		
##		0.00	0	0	0	0	0.00	0	0	0		
##		0.00	0	0	0	0	0.00	0	0	0		
##		0.00	0	0	0	0	0.00	0	0	0		
##		0.00	0	0	0	0	0.00	0	0	0		
##		0.00	0	0	0	0	0.00	0	0	0		
	24	0.00	0	0	0	0	0.00	0	0	0		
##		0.00	0	0	0	0	0.00	0	0	0		
##		0.00	0	0	0	0	0.00	0	0	0		
	27	0.00	0	0	0	0	0.00	0	0	0		
##		0.00	0	0	0	0	0.00	0	0	0		
##		0.00	0	0	0	0	0.00	0	0	0		
		0.00	0	0	0	0	0.00	0	0	0		
##		0.00	0	0	0	0	0.00	0	0	0		
	32	0.00	0	0	0		0.00	0	0			
##		0.00		0	0	0	0.00	0	0	0 0		
##		0.00			0	0	0.00		0			
				0		0		0		0		
	<i>35</i>	0.00		0	0	0	0.00	0	0	0		
	36	0.00		0	0	0	0.00	0	0	0		
	37	0.00	0	0	0	0	0.00	0	0	0		
##		0.00	0	0	0	0	0.00	0	0	0		
##		0.00	0	0	0	0	0.00	0	0	0		
##		0.00	0	0	0	0	0.00	0	0	0		
##		0.00	0	0	0	0	0.00	0	0	0		
	42	0.00	0	0	0	0	0.00	0	0	0		
##		0.00	0	0	0	0	0.00	0	0	0		
##		0.00	0	0	0	0	0.00	0	0	0		
	45	0.00	0	0	0	0	0.00	0	0	0		
	46	0.00	0	0	0	0	0.00	0	0	0		
##	47	0.00	0	0	0	0	0.00	0	0	0		

## 48	0.00	0	0	0	0	0.00	0	0	0
## 49	56000.00	0	0	0	0	0.00	0	0	0
## 50	2349000.00	38000	0 38		0	0.00	0	0	0
## 51	281000.00	0	0	0	0	0.00	0	0	0
## 52	45000.00	0	0	0	0	0.00	0	0	0
## 53	0.00	0	0	0	0	0.00	0	0	0
## 54	10000.00	0	0	0	0	0.00	0	0	0
## 55	223000.00	0	0	0	0	0.00	0	0	0
## 56	0.00	0	0	0	0	0.00	0	0	0
## 57	0.00	0	0	0	0	0.00	0	0	0
## 58	0.00	0	0	0	0	0.00	0	0	0
## 59	0.00	0	0	0	0	0.00	0	0	0
## 60	0.00	0	0	0	0	0.00	0	0	0
## 61	0.00	0	0	0	0	0.00	0	0	0
## 62	0.00	0	0	0	0	0.00	0	0	0
## 63	0.00	0	0	0	0	0.00	0	0	0
## 64	0.00	0	0	0	0	0.00	0	0	0
## 65	0.00	0	0	0	0	0.00	0	0	0
## 66	0.00	0	0	0	0	0.00	0	0	0
## 67	0.00	0	0	0	0	0.00	0	0	0
## 68	0.00	0	0	0	0	0.00	0	0	0
## 69	0.00	0	0	0	0	0.00	0	0	0
## 70	0.00	0	0	0	0	0.00	0	0	0
## 70	0.00	0	0	0	0	0.00	0	0	0
## 72	0.00				0			0	
		0	0	0		0.00	0		0
## 73	0.00	0	0	0	0	0.00	0	0	0
## 74	0.00	0	0	0	0	0.00	0	0	0
## 75	0.00	0	0	0	0	0.00	0	0	0
## 76	0.00	0	0	0	0	0.00	0	0	0
## 77	0.00	0	0	0	0	0.00	0	0	0
## 78	0.00	0	0	0	0	0.00	0	0	0
## 79	4300.00	0	0	0	0	0.00	0	0	0
## 80	0.00	0	0	0	0	0.00	0	0	0
## 81	0.00	0	0	0	0	0.00	0	0	0
## 82	0.00	0	0	0	0	0.00	0	0	0
## 83	0.00	0	0	0	0	0.00	0	0	0
## 84	0.00	0	0	0	0	0.00	0	0	0
## 85	0.00	0	0	0	0	0.00	0	0	0
## 86	0.00	0	0	0	0	0.00	0	0	0
## 87	0.00	0	0	0	0	0.00	0	0	0
## 88	0.00	0	0	0	0	0.00	0	0	0
## 89	0.00	0	0	0	0	0.00	0	0	0
## 90	0.00	0	0	0	0	0.00	0	0	0
## 91	0.00	0	0	0	0	0.00	0	0	0
## 92	0.00	0	0	0	0	0.00	0	0	0
## 93	0.00	0	0	0	0	0.00	0	0	0
## 94	0.00	0	0	0	0	0.00	0	0	0
## 95	0.00	0	0	0	0	0.00	0	0	0
## 96	0.00	0	0	0	0	0.00	0	0	0
## 90	0.00	0	0	0	0	0.00	0	0	0
## 97	59000.00	0	0	0		0.00	0	0	0
## 98	0.00		0	0	0	0.00	0	0	
		22000			0				0
## 100	0.00	0	0	0	0	0.00	0	0	0

	101	0.00	0	0	0	0	0.00	0	0	0
	102	0.00	0	0	0		11139.94	0	0	0
##	103	6631.00	0	0	0	0	0.00	0	0	0
##	104	0.00	0	0	0	0	0.00	0	0	0
##	105	0.00	0	0	0	0	2348.00	0	0	0
##	106	0.00	0	0	0	0	57717.00	0	0	0
##	107	0.00	0	0	0	0	0.00	0	0	0
##	108	0.00	0	0	0	0	0.00	0	0	0
##	109	0.00	0	0	0	0	2352.00	0	0	0
##	110	0.00	0	0	0	0	0.00	0	0	0
##	111	0.00	1784	0	0	0	0.00	0	0	0
##	112	9515.00	0	0	0	0	0.00	0	0	0
##	113	0.00	0	0	0	0	0.00	0	0	0
##	114	28622.15	0	0	0	0	0.00	0	0	0
##	115	0.00	0	0	0	0	0.00	0	0	0
	116	10141.00	14449	0	0	0	0.00	0	0	0
	117		1013	0	0	0	1308.00	0	0	0
	118	0.00	0	0	0	0	0.00	0	0	0
	119	48856.00	0	0	0	0	0.00	0	0	0
	120	7683.00	10369	3841	9603	9603	1920.00	0	0	0
	121	0.00	0	0	0	0	0.00	0	0	0
	122	0.00	0	0	0	0	0.00	0	0	0
	123	0.00	0	0	0	0	0.00	0	0	0
	124	0.00	0	0	0	0	0.00	0	0	0
	125	0.00	0	0	0	0	0.00	0	0	0
	126	0.00	0	0	0	0	0.00	0	0	0
	127		0	0	0	0	0.00	0	0	0
	128			0	0	0	0.00		0	
		0.00	0					0		0
	129	0.00	0	0	0	0	0.00	0	0	0
	130	0.00	0	0	0	0	0.00	0	0	0
	131	4547.00	0	0	0	0	0.00	0	0	0
	132	0.00	0	0	0	0	0.00	0	0	0
	133	0.00	0	0	0	0	0.00	0	0	0
		3164000.00	0	0	0	0	0.00	0	0	0
	135	0.00	0	0	0	0	0.00	0	0	0
	136	0.00	0	0	0	0	0.00	0	0	0
	137	0.00	0	0	0	0	0.00	0	0	0
	138	0.00	0	0	0	0	0.00	0	0	0
	139	0.00	0	0	0	0	0.00	0	0	0
		5549000.00	0	0	0	0	0.00	0	0	0
	141	332000.00	0	0	0	0	0.00	0	0	0
	142	0.00	0	0	0	0	0.00	0	0	0
		919000.00	0	0	0	0	0.00	0	0	0
	144		0	0	0	0	0.00	0	0	0
##	145	0.00	0	0	0	0	0.00	0	0	0
##	146	0.00	0	0	0	0	0.00	0	0	0
	147		0	0	0	0	0.00	0	0	0
	148	0.00	0	0	0	0	0.00	0	0	0
	149	0.00	0	0	0	0	0.00	0	0	0
	150	0.00	0	0	0	0	0.00	0	0	0
	151	0.00	0	0	0	0	0.00	0	0	0
		2195376.04	0	0	0	0	0.00	0	0	0
		2872261.00		0	0	0	0.00	0	0	0
			F -							

```
## 154 333952.00 117822
                               0
                                                  0.00
                                                            0
## 155 1351992.00 675996
                                      0
                                            0
                                                  0.00
                                                            0
                                                                0
                                                                      0
                               0
## 156 4856851.00 664495 124201
                                      0
                                            0
                                                  0.00
                                                            0
                                                                0
                                                                      0
                                                  0.00
                                                                0
                                                                      0
## 157 17185.00
                               0
                                      0
                                            0
                                                            0
                      0
## 158 1373845.00 148199
                                      0
                                            0
                                                  0.00
                                                            0
                                                                0
                                                                      0
                               0
## 159 836364.00 349367
                               0
                                      0
                                            0
                                                  0.00
                                                            0
                                                                0
                                                                      0
## 160
             0.00
                        0
                               0
                                      0
                                            0
                                                  0.00
                                                            0
                                                                0
                                                                      0
                                                                      0
## 161
           175.00
                               0
                                      0
                                            0
                                                  0.00
                                                            0
                        0
                                                                      0
## 162 304980.00 57102
                            5966
                                     0
                                            0
                                                  0.00
                                                            0
                                                                0
                                                                      0
## 163
             0.00
                                      0
                                            0
                                                  0.00
                                                            0
                                                                0
                        0
                               0
                                      0
                                            0
                                                  0.00
                                                                0
                                                                      0
## 164 148891.00
                        0
                               0
                                                            0
## 165 1565023.00 320274
                               0
                                      0
                                            0
                                                  0.00
                                                            0
                                                                0
                                                                      0
inputs$dat[35]
## $N_agebins
## [1] 0
inputs$dat[36]
## $use_MeanSize_at_Age_obs
## [1] 0
inputs$dat[37]
## $N_environ_variables
## [1] 0
inputs$dat[38]
## $N_sizefreq_methods
## [1] 0
inputs$dat[39]
## $do_tags
## [1] 0
inputs$dat[40]
## $morphcomp_data
## [1] 0
inputs$dat[41]
## $use_selectivity_priors
## [1] 0
inputs$dat[42]
## $eof
## [1] TRUE
inputs$dat[43]
## $spawn_seas
## [1] 8
inputs$dat[44]
## $Nfleet
## [1] 1
inputs$dat[45]
## $Nsurveys
## [1] 2
inputs$dat[46]
## $fleetinfo1
##
                Fishery PELAGO ECOCADIZ
## surveytiming
                   -1.00 0.08
                                    0.40
## areas
                       1
                              1
                                        1
## type
                       1
                              3
                                        3
inputs$dat[47]
```

```
## $fleetinfo2
##
                  Fishery PELAGO ECOCADIZ
## units
                     1 1 1
                      0
                             0
                                     0
## need_catch_mult
inputs$dat[48]
## $N_meanbodywt
## [1] 0
inputs$dat[49]
## $comp_tail_compression
## [1] -1 -1 -1
inputs$dat[50]
## $add_to_comp
## [1] 0.001 0.001 0.001
inputs$dat[51]
## $max_combined_lbin
## [1] 0 0 0
inputs$dat[52]
## $N_MeanSize_at_Age_obs
## [1] 0
inputs$dat[53]
## $N_lbinspop
## [1] 44
inputs$dat[54]
## $lbin_vector_pop
## [1] 0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0
## [16] 7.5 8.0 8.5 9.0 9.5 10.0 10.5 11.0 11.5 12.0 12.5 13.0 13.5 14.0 14.5
## [31] 15.0 15.5 16.0 16.5 17.0 17.5 18.0 18.5 19.0 19.5 20.0 20.5 21.0 21.5 22.0
inputs$dat[55]
## $<NA>
## NULL
```

0. Especificaciones iniciales

```
inputs$dat$styr
## [1] 1989
inputs$dat$endyr
## [1] 2021
inputs$dat$nseas
## [1] 4
inputs$dat$months_per_seas
## [1] 3 3 3 3
inputs$dat$Nsubseasons
## [1] 2
inputs$dat$spawn_month
## [1] 8
inputs$dat$Ngenders
## [1] 1
inputs$dat$Nsexes
## [1] 1
inputs$dat$Nages
## [1] 4
inputs$dat$N_areas
## [1] 1
inputs$dat$Nfleets
## [1] 3
```

1. Sobre los datos de captura

Primero ingresamos las especificaciones de los Datos de captura de la flota

```
inputs$dat$fleetinfo
## type surveytiming area units need_catch_mult fleetname
## 1
     1
               -1.00
                     1 1 0 Fishery
## 2
       3
                                           0
                                                PELAGO
                0.08
                       1
                             1
## 3
       3
                0.40
                      1
                             1
                                           O ECOCADIZ
# fleetinfo desglosado
inputs$dat$fleetnames
## [1] "Fishery" "PELAGO"
                          "ECOCADIZ"
inputs$dat$surveytiming
## [1] -1.00 0.08 0.40
inputs$dat$units_of_catch
## [1] 1 1 1
inputs$dat$areas
## [1] 1 1 1
```

Luego ingresamos los datos de captura de la flota

```
inputs$dat$catch
##
      year seas fleet
                         catch catch_se
## 1
      -999
           1 1
                       0.00000
                                 0.01
## 2
     -999
                                  0.01
           2
                 1 0.00000
                 1 0.00000
## 3
     -999
           3
                                  0.01
## 4
      -999
                 1 0.00000
                                  0.01
            4
## 5 1989 1 1 1317.94350
## 6 1989 2 1 2588.64700
                                  0.01
                                  0.01
## 7 1989
          3
                 1 1336.25200
                                  0.01
                 1 111.41000
## 8
     1989
             4
                                  0.01
## 9 1990
          1 1 2300.36400
                                0.01
```

```
## 10 1990
           2 1 1571.00600
                                0.01
## 11 1990
                   1 1182.21900
                                   0.01
             3
## 12 1990
                   1 765.47400
                                   0.01
              4
## 13 1991
                                   0.01
                   1 1049.15000
             1
                   1 3692.70500
                                   0.01
## 14 1991
             2
## 15 1991
             3
                   1 701.61700
                                   0.01
## 16 1991
                   1 273.87600
                                 0.01
             4
## 17 1992
                   1 1125.12550
                                  0.01
## 18 1992
                   1 1368.15050
                                   0.01
             2
## 19 1992
                   1 499.60500
             3
                                   0.01
## 20 1992
                   1
                     3.82000
                                   0.01
## 21 1993
                  1 766.82200
                                   0.01
## 22 1993
                  1 921.20900
                                  0.01
             2
                   1 166.86700
## 23 1993
             3
                                   0.01
                  1 105.05300
## 24 1993
                                 0.01
## 25
     1994
             1
                  1 689.67530
                                   0.01
## 26 1994
             2
                  1 2055.27150
                                   0.01
## 27
      1994
             3
                   1 210.04200
                                   0.01
## 28 1994
                   1 80.47000
                                   0.01
                  1 185.36600
## 29 1995
                                   0.01
           1
## 30 1995
             2
                  1 79.89174
                                  0.01
                   1 147.93300
## 31 1995
             3
                                   0.01
## 32 1995
                  1 157.42301
                                   0.01
             4
## 33 1996
             1
                  1 41.04300
                                   0.01
## 34 1996
                   1 807.19490
             2
                                   0.01
             3
## 35 1996
                   1 585.56500
                                   0.01
## 36 1996
                  1 397.60740
                                   0.01
              4
## 37 1997
             1
                  1 907.83980
                                  0.01
## 38 1997
             2
                   1 1110.05310
                                  0.01
## 39 1997
             3
                  1 2006.92750
                                 0.01
## 40 1997
                  1 588.39290
                                  0.01
              4
## 41 1998
                   1 1781.41640
                                   0.01
             1
## 42 1998
             2
                   1 2175.54610
                                   0.01
## 43 1998
             3
                   1 2909.41820
                                   0.01
## 44 1998
                   1 2715.91480
                                 0.01
             4
## 45 1999
                   1 1638.33070
                                  0.01
             1
## 46 1999
                   1 1994.93020
                                   0.01
             2
## 47 1999
             3
                   1 1615.91490
                                  0.01
## 48 1999
                  1 691.37920
                                   0.01
             4
## 49 2000
             1
                   1 412.15630
                                   0.01
## 50 2000
             2
                   1 667.86390
                                   0.01
## 51 2000
             3
                  1 673.18650
                                   0.01
                  1 600.23580
## 52 2000
                                   0.01
             4
## 53 2001
                   1 1045.57345
                                   0.01
             1
## 54 2001
             2
                   1 3226.82423
                                   0.01
## 55 2001
                   1 3275.36115
                                   0.01
## 56 2001
                   1 1088.91250
                                   0.01
## 57
      2002
             1
                   1 1771.89524
                                   0.01
## 58
      2002
             2
                   1 2957.36968
                                   0.01
## 59 2002
             3
                   1 2698.97869
                                   0.01
## 60 2002
                   1 816.01298
                                   0.01
              4
## 61 2003
              1
                   1 1027.34720
                                   0.01
## 62 2003
                   1 2538.96731
                                   0.01
```

```
## 63 2003
          3 1 965.34638
                             0.01
## 64 2003
                  1 416.14447
                                 0.01
## 65
      2004
                  1 1384.22688
                                 0.01
             1
## 66 2004
             2
                  1 1976.41876
                                 0.01
## 67 2004
            3
                 1 1521.88429
                                0.01
                 1 698.65820
## 68 2004
            4
                                0.01
## 69 2005
                  1 1398.10140
                               0.01
           1
## 70 2005
                 1 2252.43800
                                0.01
## 71 2005
                 1 705.50030
                                 0.01
            3
## 72 2005
                  1 84.78020
             4
                                 0.01
## 73 2006
           1
                 1 1296.89640
                                 0.01
## 74 2006
                 1 2657.27200
                                 0.01
## 75 2006
                 1 415.79930
             3
                                0.01
## 76 2006
                 1 19.12240
                                 0.01
            4
## 77 2007
                 1 1581.10000
                               0.01
           1
## 78 2007
            2
                 1 2251.47400
                                0.01
## 79 2007
             3
                 1 1422.71140
                                 0.01
## 80 2007
                  1 360.96480
                                 0.01
             4
## 81 2008
                 1 612.77740
                                 0.01
           1
## 82 2008
            2
                 1 1120.85830
                                 0.01
                 1 910.27410
## 83 2008
            3
                                0.01
## 84 2008
                  1 575.71560
                                 0.01
## 85 2009
                 1 533.46360
                                0.01
## 86 2009
            2
                 1 1280.05930
                                0.01
## 87 2009
                  1 1015.53970
            3
                                 0.01
## 88 2009
                 1 125.85690
                                 0.01
## 89 2010
                 1 66.81650
                               0.01
## 90 2010
          2
                 1 1708.69360
                                0.01
## 91 2010
           3
                 1 919.88470
                                 0.01
## 92 2010
                 1 232.03840
                               0.01
## 93 2011
                 1 1326.20150
                                0.01
## 94 2011
             2
                 1 2342.55300
                                 0.01
## 95 2011
            3
                  1 2051.29010
                                 0.01
## 96 2011
                 1 571.26970
                               0.01
## 97 2012
                 1 1158.89770
                               0.01
## 98 2012
             2
                 1 2433.35800
                                0.01
## 99 2012
           3
                  1 1219.56945
                                0.01
## 100 2012
                 1 26.38290
                               0.01
## 101 2013
                 1 434.46620
                                0.01
             1
                 1 1837.27320
## 102 2013
             2
                                 0.01
## 103 2013
           3
                 1 2683.15050
                                 0.01
                 1 276.57200
## 104 2013
             4
                                0.01
## 105 2014
           1
                 1 1754.34260
                                0.01
             2
## 106 2014
                 1 3553.25230
                                0.01
                               0.01
## 107 2014
             3 1 3299.66810
## 108 2014
             4
                 1 438.97500
                                0.01
## 109 2015
             1
                 1 1470.64330
                                 0.01
## 110 2015
             2
                1 2424.77600
                                 0.01
## 111 2015
             3 1 1880.43700
                                 0.01
## 112 2015
                 1 1174.22880
                                 0.01
             4
            1
## 113 2016
                 1 1351.93760
                                 0.01
             2
## 114 2016
                  1 2267.34230
                                 0.01
## 115 2016
                  1 2253.75610
                                 0.01
```

```
## 116 2016
                     1 868.77800
                                        0.01
               4
## 117 2017
                      1 1051.18260
                                        0.01
               1
## 118 2017
                     1 2212.82050
                                        0.01
               2
## 119 2017
               3
                     1 1140.49300
                                        0.01
                     1 206.37760
## 120 2017
               4
                                        0.01
## 121 2018
               1
                     1 235.82630
                                        0.01
## 122 2018
               2
                     1 2391.24930
                                        0.01
## 123 2018
                     1 1413.96970
                                        0.01
## 124 2018
                     1 457.76760
                                        0.01
               4
## 125 2019
                     1 322.28100
                                        0.01
## 126 2019
               2
                     1 1620.61400
                                        0.01
## 127 2019
               3
                     1 1889.17300
                                        0.01
## 128 2019
                     1 981.52000
                                        0.01
               4
## 129 2020
               1
                     1 1286.49390
                                        0.01
## 130 2020
               2
                     1 2314.52020
                                        0.01
## 131 2020
               3
                     1 2603.30740
                                        0.01
## 132 2020
                     1 1113.02800
                                        0.01
               4
## 133 2021
                     1 644.26700
                                        0.01
               1
## 134 2021
               2
                     1 3500.06880
                                        0.01
## 135 2021
               3
                      1 2794.34900
                                        0.01
## 136 2021
                         622.91400
                                        0.01
```

## 2. Sobre los Datos de índices de abundancia

Primero ingresamos las especificaciones de los datos de los índices de abundancia

Luego ingresamos los datos de los índices de abundancia

```
inputs$dat$CPUE
##
      year seas index
                           obs se_log
## 1
     1998
             11
                    2 24763000
                                   0.3
## 2 2000
                    2 24913000
                                   0.3
             11
## 3
     2001
                    2 21335000
                                   0.3
             11
## 4
     2002
             11
                    2 24565000
                                   0.3
## 5 2005
                    2 14041000
                                   0.3
              1
## 6 2006
              1
                    2 24082000
                                   0.3
## 7 2007
              1
                    2 38020000
                                   0.3
## 8
     2008
              1
                    2 34162000
                                   0.3
## 9 2009
                    2 24745000
                                   0.3
              1
## 10 2015
                    2 33100000
                                   0.3
              1
## 11 2016
                    2 65345000
                                   0.3
              1
## 12 2017
              1
                    2 13797000
                                   0.3
## 13 2018
                                   0.3
              1
                    2 23473000
## 14 2019
              1
                    2 29876000
                                   0.3
                    2 49787000
                                   0.3
## 15 2020
              1
                    2 14065000
## 16 2021
              1
                                   0.3
## 17 2004
              3
                    3 18177143
                                   0.3
## 18 2006
              3
                    3 35539397
                                   0.3
              4
## 19 2007
                    3 28882127
                                   0.3
## 20 2009
                    3 21580497
                                   0.3
```

```
## 21 2010 4 3 11338565
                                    0.3
## 22 2013 5 3 7336184
## 23 2014 4 3 28669340
## 24 2015 4 3 12051443
                                    0.3
                                    0.3
                                    0.3
## 25 2016
                 3 22836029
              4
                                    0.3
                  3 6275136
## 26 2017
              4
                                    0.3
## 27 2018 4
                   3 22608374
                                    0.3
## 28 2019
                     3 40220555
                                    0.3
## 29 2020
                     3 19168579
                                    0.3
```

Datos de descarte y tallas medias

```
inputs$dat$N_discard_fleets
## [1] 0
inputs$dat$use_meanbodywt
## [1] 0
```

Especificación de los Datos composición de tallas

```
inputs$dat$lbin_method
## [1] 2
inputs$dat$binwidth
## [1] 0.5
inputs$dat$minimum_size
## [1] 0
inputs$dat$maximum_size
## [1] 21.5
inputs$dat$use_lencomp
## [1] 1
```

Datos de composición de tallas

```
inputs$dat$len_info
## mintailcomp addtocomp combine_M_F CompressBins CompError ParmSelect
## Fishery
                -1 0.001 0
                                             0
                                                       0
## PELAGO
                 -1
                       0.001
                                   0
                                               0
                                                       0
                                                                0
## ECOCADIZ
                -1
                       0.001
                                    0
                                                       0
                                                                0
## minsamplesize
## Fishery
          1
                   1
## PELAGO
## ECOCADIZ
```

Especificación del vector de tallas

```
inputs$dat$N_lbins
## [1] 37
inputs$dat$lbin_vector
## [1] 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0 10.5
## [16] 11.0 11.5 12.0 12.5 13.0 13.5 14.0 14.5 15.0 15.5 16.0 16.5 17.0 17.5 18.0
## [31] 18.5 19.0 19.5 20.0 20.5 21.0 21.5
```

Datos de composición de tallas

```
inputs$dat$lencomp
##
    Yr Seas FltSvy Gender Part Nsamp
                               13.5
                                                    15
                                       14
                                           14.5
## 1 1989 1 1 0 0 100
                                0
                                           127000
                                                 452000
                                       0
## 2 1989
          2
               1
                    0 0
                          100
                                  0
                                        0
                                             0
                                                     0
## 3 1989 3 1 0 0 100
```

## 4	1989	4	1	0	0	100	0	0	0	0
## 5	1990	1	1	0	0	100	0	0	0	686000
## 6	1990	2	1	0	0	100	0	0	0	11000
## 7	1990	3	1	0	0	100	0	0	0	0
## 8	1990	4	1	0	0	100	0	3707000	15341000	26269000
## 9	1991	1	1	0	0	100	0	258000	3306000	43707000
## 10	1991	2	1	0	0	100	0	0	0	107000
## 11	1991	3	1	0	0	100	0	0	0	0
## 12	1991	4	1	0	0	100	0	0	0	0
## 13	1992	1	1	0	0	100	0	0	0	1000
## 14	1992	2	1	0	0	100	0	1000	26000	79000
## 15	1992	3	1	0	0	100	0	0	0	0
## 16	1992	4	1	0	0	100	0	0	0	0
## 17	1993	1	1	0	0	100	0	0	16000	16000
## 18	1993	2	1	0	0	100	0	0	0	0
## 19	1993	3	1	0	0	100	0	0	0	0
## 20	1993	4	1	0	0	100	0	0	0	0
## 20 ## 21	1994	4 1	1	0	0	100	0	0	0	0
## 21 ## 22	1994	2	1	0	0	100	0	0	0	0
## 22 ## 23	1994	3	1	0	0	100	0	0	0	0
## 23 ## 24	1994 1994		1	0	0	100	0	0	0	0
		4				100				
## 25	1995	1	1	0	0		0	0	0	0
## 26	1995	2	1	0	0	100	0	0	0	0
## 27	1995	3	1	0	0	100	0	0	0	0
## 28	1995	4	1	0	0	100	0	0	0	0
## 29	1996	1	1	0	0	100	0	0	0	0
## 30	1996	2	1	0	0	100	0	0	0	0
## 31	1996	<i>3</i>	1	0	0		3386000			90142000
## 32	1996	4	1	0	0	100	0	0	0	0
## 33	1997	1	1	0	0	100	0	0	0	242000
## 34	1997	2	1	0	0	100	0	0	0	0
## 35	1997	3	1	0	0	100	0	0		11111000
## 36	1997	4	1	0	0	100	0	0	355000	355000
## 37	1998	1	1	0	0	100	0	0	0	0
## 38	1998	2	1	0	0	100	0	0		11270000
## 39	1998	3	1	0	0	100	0	0	850000	7649000
## 40	1998	4	1	0	0	100	0	0	1986000	10257000
## 41	1999	1	1	0	0	100	0	1831000	15819000	38804000
## 42	1999	2	1	0	0	100	0	0	0	0
## 43	1999	3	1	0	0	100	0	0	1236000	2296000
## 44	1999	4	1	0	0	100	0	0	0	0
## 45	2000	1	1	0	0	100	0	0	104000	3226000
## 46	2000	2	1	0	0	100	0	0	0	46000
## 47	2000	3	1	0	0	100	0	0	556000	1430000
## 48	2000	4	1	0	0	100	0	114000	196000	304000
## 49	2001	1	1	0	0	100	0	0	0	23000
## 50	2001	2	1	0	0	100	0	38000	75000	801000
## 51	2001	3	1	0	0	100	0	0	0	0
## 52	2001	4	1	0	0	100	266000	162000	1574000	4664000
## <i>52</i> ## <i>53</i>	2002	4 1	1	0	0	100	77000	77000	557000	1486000
## 53 ## 54	2002	2	1	0	0	100	0	0	467000	1706000
## 54 ## 55	2002	3	1	0	0	100	0	129000	416000	527000
## 55 ## 56	2002		1	0	0	100	0	69000	23000	152000
## 30	2002	4	1	U	U	100	U	09000	23000	102000

## 57	2003	1	1	0	0	100	0	0	26000	52000	
## 58	2003	2	1	0	0	100	0	0	0	39000	
## 59	2003	3	1	0	0	100	0	0	27000	0	
## 60	2003	4	1	0	0	100	0	36000	63000	127000	
## 61	2004	1	1	0	0	100	0	0	0	0	
## 62	2004	2	1	0	0	100	0	0	0	28000	
## 63	2004	3	1	0	0	100	0	0	25000	25000	
## 64	2004	4	1	0	0	100	0	0	0	0	
## 65	2005	1	1	0	0	100	0	0	0	0	
## 66	2005	2	1	0	0	100	0	0	0	0	
## 67	2005	3	1	0	0	100	0	16000	130000	146000	
## 68	2005	4	1	0	0	100	0	0	0	0	
## 69	2006	1	1	0	0	100	0	0	0	0	
## 70	2006	2	1	0	0	100	0	0	0	0	
## 71	2006	3	1	0	0	100	0	0	0	0	
## 72	2006	4	1	0	0	100	0	0	0	0	
## 73	2007	1	1	0	0	100	0	0	0	0	
## 74	2007	2	1	0	0	100	0	0	0	0	
## 75	2007	3	1	0	0	100	0	0	0	0	
## 76	2007	4	1	0	0	100	0	0	0	0	
## 77	2008	1	1	0	0	100	0	0	0	0	
## 78	2008	2	1	0	0	100	0	0	0	0	
## 79	2008	3	1	0	0	100	0	0	0	0	
## 80	2008	4	1	0	0	100	0	0	0	0	
## 81	2009	1	1	0	0	100	0	0	0	0	
## 82	2009	2	1	0	0	100	0	0	0	0	
## 83	2009	3	1	0	0	100	0	0	0	0	
## 84	2009	4	1	0	0	100	0	0	0	0	
## 85	2010	4 1	1	0	0	100	0	0	0	0	
## 86	2010	2	1	0	0	100	0	0	0	0	
## 87	2010	3	1	0	0	100	0	0	0	0	
## 88	2010	4	1	0	0	100	0	0	0	0	
## 89	2011	4 1	1	0	0	100	0	0	0	0	
## 99	2011	2	1	0	0	100	0	0	0	0	
## 90	2011	3	1	0	0	100	0	0	0	0	
## 91	2011		1	0	0	100	0	0	0	0	
	2011	4 1	1	0	0	100	0	0	0	0	
## 93 ## 07			1	0	0	100	0	0	0	0	
## 94 ## 95	2012 2012	2 3	1	0	0	100	0	0	0	0	
## 95	2012		1	0	0	100	0	0	0	0	
		4									
## <i>97</i> ## <i>98</i>	2013	1	1	0	0	100	0	0	0	0	
	2013	2	1	0	0	100	0	0	0	0	
## 99	2013	3	1	0	0	100	0	0	0	0	
## 100		4	1	0	0	100	0	0	0	0	
## 101		1	1	0	0	100	0	0	0	0	
## 102		2	1	0	0	100	0	0	0	0	
## 103	,	3	1	0	0	100	0	0	0	0	
## 104		4	1	0	0	100	0	0	0	0	
## 105		1	1	0	0	100	0	0	0	0	
## 106		2	1	0	0	100	0	0	0	0	
## 107		3	1	0	0	100	0	0	0	0	
## 108		4	1	0	0	100	0	0	0	0	
## 109	2016	1	1	0	0	100	0	0	0	0	

## 110 2016	2	1	0	0	100	0	0	0	0
## 111 2016	3	1	0	0	100	0	0	0	0
## 112 2016	4	1	0	0	100	0	0	0	0
## 113 2017	1	1	0	0	100	0	0	0	0
## 114 2017	2	1	0	0	100	0	0	0	0
## 115 2017	3	1	0	0	100	0	0	0	0
## 116 2017	4	1	0	0	100	0	0	0	45462
## 117 2018	1	1	0	0	100	0	0	0	5252
## 118 2018	2	1	0	0	100	0	0	0	0
## 119 2018	3	1	0	0	100	0	0	0	0
## 120 2018	4	1	0	0	100	0	0	0	0
## 121 2019	1	1	0	0	100	0	0	0	0
## 122 2019	2	1	0	0	100		0	5047	
						0			5047
## 123 2019	3	1	0	0	100	0	0	0	0
## 124 2019	4	1	0	0	100	0	0	0	0
## 125 2020	1	1	0	0	100	0	0	0	0
## 126 2020	2	1	0	0	100	0	0	0	0
## 127 2020	3	1	0	0	100	0	0	0	0
## 128 2020	4	1	0	0	100	0	0	0	0
## 129 2021	1	1	0	0	100	0	0	0	0
## 130 2021 ## 130 2021	2	1	0	0	100	0	0	0	0
## 130 2021 ## 131 2021							0	0	
	3	1	0	0	100	0			0
## 132 2021	4	1	0	0	100	0	0	0	0
## 133 1998	4	2	0	0	100	0	0	0	0
## 134 2000	4	2	0	0	100	0	0	0	0
## 135 2001	4	2	0	0	100	0	0	0	0
## 136 2002	4	2	0	0	100	0	0	0	0
## 137 2005	1	2	0	0	100	0	0	0	0
## 138 2006	1	2	0	0	100	0	0	0	0
## 138 2000 ## 139 2007									
	1	2	0	0	100	0	0	0	0
## 140 2008	1	2	0	0	100	0	0	0	0
## 141 2009	1	2	0	0	100	0	0	0	0
## 142 2010	1	2	0	0	100	0	0	0	0
## 143 2013	1	2	0	0	100	0	0	0	0
## 144 2014	1	2	0	0	100	0	0	0	0
## 145 2015	1	2	0	0	100	0	0	0	0
## 146 2016	1	2	0	0	100	0	0	0	0
			0	0		0	0	0	0
## 147 2017	1	2			100				
## 148 2018	1	2	0	0	100	0	0	0	0
## 149 2019	1	2	0	0	100	0	0	0	0
## 150 2020	1	2	0	0	100	0	0	0	0
## 151 2021	1	2	0	0	100	0	0	0	0
## 152 2022	1	2	0	0	100	0	0	0	0
## 153 2004	1	3	0	0	100	0	0	0	0
## 154 2006	1	3	0	0	100	0	0	0	0
## 155 2007	2	3	0	0	100	0	0	0	0
## 156 2007 ## 156 2009					100		0	0	
	2	3	0	0		0			0
## 157 2010	2	3	0	0	100	0	0	0	0
## 158 2013	2	3	0	0	100	0	0	0	0
## 159 2014	2	3	0	0	100	0	0	0	0
## 160 2015	2	3	0	0	100	0	0	0	0
## 161 2016	2	3	0	0	100	0	0	0	0
## 162 2017	2	3	0	0	100	0	0	0	0

```
## 163 2018
               2
                       3
                               0
                                    0
                                        100
                                                             0
## 164 2019
                       3
                               0
                                    0
                                        100
                                                   0
                                                             0
                                                                      0
                                                                                0
                2
## 165 2020
                               0
                                        100
                                                                      0
                                                                                0
                2
##
           15.5
                                       16.5
                                                        17
                                                                   17.5
                                                                                   18
                           16
         813000
## 1
                    994000.00
                                  868000.00
                                               1270000.00 1.910000e+06
                                                                           4805000.00
## 2
               0
                         0.00
                                  340000.00
                                               1121000.00 3.854000e+06
                                                                          19699000.00
## 3
               0
                         0.00
                                       0.00
                                                     0.00 0.000000e+00
                                                                            204000.00
## 4
               0
                         0.00
                                       0.00
                                                     0.00 0.000000e+00
                                                                                 0.00
## 5
        3016000
                     71000.00
                                               4394000.00 6.109000e+06
                                                                          13038000.00
                                 1782000.00
## 6
          46000
                    183000.00
                                  701000.00
                                               1837000.00 3.234000e+06
                                                                           3553000.00
## 7
               0
                         0.00
                                    4000.00
                                                 22000.00 8.420000e+05
                                                                           1163000.00
## 8
       37570000
                  36711000.00
                                32735001.00
                                              21569000.00 1.566900e+07
                                                                           6063000.00
## 9
       76983000
                  42575000.00
                                22631000.00
                                              12340001.00 9.168000e+06
                                                                           7532000.00
## 10
         161000
                    803000.00
                                 2093000.00
                                               3130000.00 7.099000e+06
                                                                           7631000.00
## 11
               0
                         0.00
                                       0.00
                                                     0.00 0.000000e+00
                                                                                 0.00
## 12
               0
                         0.00
                                       0.00
                                                     0.00 2.670000e+05
                                                                           1278000.00
## 13
         201000
                    856000.00
                                 2036000.00
                                               3219000.00 5.406000e+06
                                                                          11642000.00
         144000
                     65000.00
                                  301000.00
                                                348000.00 5.870000e+05
                                                                            974000.00
## 14
                                                     0.00 0.000000e+00
                                                                            161000.00
## 15
               0
                         0.00
                                       0.00
               0
                                                     0.00 0.000000e+00
## 16
                         0.00
                                       0.00
                                                                                 0.00
                                  441000.00
## 17
          48000
                    130000.00
                                               1342000.00 2.564000e+06
                                                                           2930000.00
## 18
               0
                         0.00
                                       0.00
                                                  4000.00 1.000000e+04
                                                                             24000.00
## 19
               0
                         1.00
                                       0.00
                                                     0.00 0.000000e+00
                                                                                 0.00
## 20
               0
                         0.00
                                       0.00
                                                     0.00 1.000000e+00
                                                                                 0.00
               0
## 21
                         0.00
                                 4803000.00
                                              10567000.00 1.409000e+07
                                                                         11208000.00
## 22
               0
                         0.00
                                  315000.00
                                                631000.00 3.130000e+06
                                                                         10987000.00
## 23
               0
                         0.00
                                       0.00
                                                     0.00 1.000000e+04
                                                                             93000.00
## 24
               0
                         0.00
                                                     0.00 3.000000e+03
                                                                             28000.00
                                       0.00
## 25
               0
                         0.00
                                       0.00
                                                     0.00 5.100000e+04
                                                                             51000.00
## 26
               0
                                                                                 0.00
                         0.00
                                       0.00
                                                     0.00 0.000000e+00
## 27
               0
                         0.00
                                       0.00
                                                     0.00 0.000000e+00
                                                                                 0.00
               0
## 28
                         0.00
                                       0.00
                                                     0.00 2.830000e+05
                                                                            283000.00
## 29
               0
                                               1355001.00 1.996000e+06
                                                                           4349000.00
                         0.00
                                  285000.00
                                               2153000.00 3.173000e+06
## 30
               0
                         0.00
                                  453000.00
                                                                           6913000.00
                                27917000.00
## 31
       61695001
                  38823000.00
                                              19364000.00 1.104400e+07
                                                                           2118000.00
                                                                         13497000.00
## 32
               0
                    134000.00
                                  327000.00
                                               1579001.00 6.184000e+06
                   3392000.00
                                 7631000.00
                                               6783000.00 2.544000e+06
## 33
         969000
                                                                            850000.00
## 34
         660000
                   1320000.00
                                 6928000.00
                                              11547000.00 1.022800e+07
                                                                           9238000.00
## 35
       37277000
                  43366000.00
                                23494000.00
                                              19526001.00 1.239100e+07
                                                                         28215000.00
## 36
         355000
                   7455000.00
                                16684000.00
                                              33013000.00 2.271900e+07
                                                                           9584001.00
## 37
        3764000
                  12798000.00
                                29737000.00
                                              25053000.00 9.273000e+06
                                                                          14167000.00
## 38
       24149000
                  30931000.00
                                25326000.00
                                              15246000.00 1.028900e+07
                                                                           7737000.00
## 39
       14448000
                  16997000.00
                                 9065000.00
                                               6799001.00 5.293000e+06
                                                                           3877000.00
## 40
       22367000
                  33257000.00
                                24433000.00
                                              31383000.00 2.381200e+07
                                                                           9996000.00
## 41
       34062000
                  17339000.00
                                16299000.00
                                              11705000.00 5.577000e+06
                                                                           1862001.00
## 42
               0
                         0.00
                                       0.00
                                                     0.00 0.000000e+00
                                                                           134000.00
        2119000
                   1854000.00
## 43
                                 2914000.00
                                               3974000.00 7.647001e+06
                                                                           7363000.00
## 44
               0
                    173000.00
                                 1208000.00
                                               2070000.00 5.865000e+06
                                                                          11475000.00
## 45
        6888000
                   7641000.00
                                 6157000.00
                                               4986000.00 1.024000e+07
                                                                           8194001.00
## 46
                    698000.00
                                                365000.00 6.490000e+05
                                                                           1481000.00
         213000
                                  542000.00
        1750000
                   2787000.00
                                               5097000.00 7.795001e+06
## 47
                                 3197000.00
                                                                           7474000.00
         540000
                   1835000.00
                                 1550000.00
                                               1306000.00 1.702000e+06
                                                                           2555000.00
## 48
## 49
                                                 97000.00 2.700000e+05
          37000
                    100000.00
                                  150000.00
                                                                           1269000.00
```

## 50	1297000	3434000.00	5189000.00	3357000.00 5.112000e+06	8138000.00
## 51	0	33000.00	33000.00	303000.00 4.170000e+05	1725000.00
## 52	7968000	8265000.00	9680000.00	12154000.00 4.885000e+06	5857001.00
## 53	1679000	1211000.00	2420000.00	2669000.00 2.994000e+06	3968000.00
## 54	4361000	6688000.00	8774000.00	6730000.00 4.982000e+06	4572000.00
## 55	2556000	5033000.00	5642000.00	3334000.00 5.792001e+06	4712000.00
## 56	124000	846000.00	932000.00	1506000.00 1.033000e+06	886000.00
## 57	140000	551000.00	1645000.00	2872000.00 2.983000e+06	3856000.00
## 58	90000	194000.00	590000.00	979000.00 1.407000e+06	4244000.00
## 59	46000	77000.00	270000.00	320000.00 4.300000e+05	838000.00
## 60 ## 61	377000	940000.00	627000.00	628000.00 5.680000e+05	1137000.00
## 61 ## 62	107000	0.00	0.00	0.00 2.000000e+03	
## 62 ## 63	107000	92000.00	206000.00	350000.00 5.930000e+05	1186000.00
	82000	253000.00	426000.00	1079000.00 1.249000e+06	917000.00
## 64 ## 65	24000	52000.00	127000.00 143000.00	316000.00 5.130000e+05	941000.00 10203000.00
## 66	0	48000.00 0.00	127000.00	149000.00 1.372000e+06	
## 67	81000	374000.00	370000.00	94000.00 3.230000e+05 643000.00 7.080000e+05	646000.00 3141000.00
## 67	0	24000.00	94000.00	227000.00 6.390000e+05	975000.00
## 69	0	40000.00	79000.00	134000.00 5.930000e+05	1116000.00
## 70	0	333000.00	707000.00	1931000.00 5.445000e+06	6228000.00
## 70	0	0.00	47000.00	211000.00 4.900000e+05	1132000.00
## 72	0	0.00	0.00	14000.00 4.300000e+04	143000.00
## 73	0	0.00	0.00	719000.00 1.540000e+06	2270000.00
## 74	0	0.00	237000.00	1300000.00 1.340000e+06	10485000.00
## 75	0	0.00	0.00	0.00 8.800000e+04	1113000.00
## 76	0	0.00	8000.00	17000.00 1.210000e+05	316000.00
## 77	0	0.00	0.00	53000.00 2.501000e+05	972700.00
## 78	0	0.00	0.00	0.00 0.000000e+00	46600.00
## 79	0	0.00	0.00	0.00 2.216000e+05	598700.00
## 80	0	0.00	0.00	23000.00 1.400000e+05	406000.00
## 81	0	0.00	0.00	0.00 0.000000e+00	10000.00
## 82	0	0.00	0.00	0.00 9.800000e+04	104000.00
## 83	0	0.00	0.00	5000.00 1.400000e+04	273000.00
## 84	0	0.00	0.00	0.00 0.000000e+00	33000.00
## 85	0	0.00	0.00	0.00 0.000000e+00	17000.00
## 86	0	0.00	0.00	0.00 1.360000e+05	226000.00
## 87	0	0.00	0.00	24000.00 1.130000e+05	320000.00
## 88	0	0.00	0.00	0.00 0.000000e+00	51000.00
## 89	0	0.00	0.00	0.00 0.000000e+00	0.00
## 90	0	0.00	0.00	438000.00 6.590000e+05	1819000.00
## 91	0	0.00	195000.00	97000.00 6.050000e+05	2562000.00
## 92	0	0.00	0.00	152000.00 1.520000e+05	461000.00
## 93	0	394000.00	53000.00	1813000.00 1.967000e+06	4500000.00
## 94	0	0.00	0.00	150000.00 8.650000e+05	3443000.00
## 95	0	0.00	11000.00	80000.00 3.200000e+05	1204000.00
## 96	0	0.00	0.00	0.00 0.000000e+00	0.00
## 97	0	0.00	0.00	0.00 7.800000e+04	342000.00
## 98 ## 00	0	0.00	0.00	577000.00 1.329000e+06	2750000.00
## 99 ## 100	0	0.00 0.00	0.00 0.00	906000.00 1.000000e+06	<i>3046000.00</i> <i>506000.00</i>
## 100 ## 101	0	0.00	2288.37	0.00 0.000000e+00 13779.25 5.022639e+05	2036441.75
## 101 ## 102	0	0.00	25896.95	21523.08 4.302833e+04	1082714.01
100		0.00	20000.00	21020.00 4.0020000.04	2002,14.01

	103	0	0.00	0.00		1.791391e+04	47565.91	
	104	0	0.00	0.00		0.000000e+00	0.00	
	105	0	0.00	0.00		7.228000e+05	1597153.00	
	106	0	0.00	367.00		2.652300e+04	51012.00	
	107	0	0.00	0.00		3.667600e+04	49888.00	
	108	0	80458.00	563207.00	•	1.367789e+06	576716.00	
	109	0	0.00	0.00		6.008000e+04	40053.00	
	110	0	0.00	0.00		0.000000e+00	0.00	
	111	9084	54503.00	27251.00	•	5.213110e+05	826587.00	
	112	0	0.00	3210.00		1.339500e+04	19643.00	
	113	0	0.00	0.00		2.363967e+03	207864.38	
	114	0	0.00	0.00		5.998307e+05	3365710.16	
	115	0	53115.95	214657.35		7.144277e+05	1762878.67	
	116	34097	164068.00	886529.00		2.003778e+06	1269577.00	
	117	6314	78368.00	386192.00		4.109890e+05	551191.00	
	118	106131	45285.00	30662.00		4.670000e+04	152258.00	
	119	0	15362.00	0.00		1.536200e+04	61451.00	
	120	9969	31736.00	91200.00	' '	1.501110e+05	208334.00	
	121	0	6079.00	0.00		1.686900e+04	27581.07	
	122	0	13850.00	35250.00		1.580400e+05	235035.00	
	123	0	0.00	0.00		0.000000e+00	0.00	
	124	0	0.00	0.00		0.000000e+00	0.00	
	125	0	0.00	0.00	0.00	0.000000e+00	18398.36	
	126	0	0.00	0.00	0.00	0.000000e+00	47547.66	
	127	0	0.00	0.00		2.955990e+05	243850.00	
	128	0	0.00	1389.00		4.798500e+04	162195.00	
	129	0	0.00	2936.00	11745.00	8.887000e+03	8501.00	
	130	0	0.00	0.00		8.765000e+03	38387.00	
##	131	18805	9789.00	11755.00		1.713580e+05	246934.00	
##	132	0	0.00	80829.00	163553.00	2.784870e+05	357137.00	
	133	0	0.00	0.00		5.802000e+06	11500000.00	
	134	0	2065000.00	11551000.00	20217000.00	2.187000e+07	34807000.00	
	135	0	0.00	0.00		0.000000e+00	0.00	
##	136	27447000	267590000.00		,	2.056700e+07	6880000.00	
	137	0	0.00	0.00		0.000000e+00	0.00	
##	138	0	0.00	0.00	0.00	0.000000e+00	0.00	
##	139	0	0.00	0.00	0.00	0.000000e+00	0.00	
	140	0	0.00	0.00		0.000000e+00	0.00	
	141	0	0.00	0.00		0.000000e+00	0.00	
	142	0	0.00	14210000.00		2.841800e+07		
	143	0	0.00	0.00		0.000000e+00	0.00	
	144	0	0.00	0.00		0.000000e+00	0.00	
	145	0	0.00	0.00		0.000000e+00	0.00	
	146	0		•		5.817920e+08		
	147		0.00	0.00		4.305100e+07		
	148	0	0.00	0.00		0.000000e+00	•	
	149	0	0.00		•	1.167590e+08		
	150	0	0.00	0.00		2.612700e+07	•	
##	151	0	0.00	0.00	0.00	0.000000e+00	0.00	
##	152	0	0.00	0.00		0.000000e+00	0.00	
	153	0	0.00	0.00		0.000000e+00	0.00	
	154	0	0.00	0.00		0.000000e+00	1757448.00	
##	155	0	0.00	0.00	0.00	0.000000e+00	0.00	

```
## 156
               0
                          0.00
                                        0.00
                                                      0.00 0.000000e+00
                                                                                  0.00
               0
                                        0.00
                                                      0.00 0.000000e+00
                                                                                  0.00
## 157
                          0.00
               0
                                                      0.00 0.000000e+00
                                                                                  0.00
## 158
                          0.00
                                        0.00
               0
## 159
                          0.00
                                        0.00
                                                      0.00 0.000000e+00
                                                                                  0.00
## 160
               0
                          0.00
                                        0.00
                                                      0.00 0.000000e+00
                                                                               7339.00
## 161
               0
                          0.00
                                        0.00
                                                      0.00 0.000000e+00
                                                                                  0.00
## 162
               0
                          0.00
                                        0.00
                                                      0.00 0.000000e+00
                                                                                  0.00
               0
## 163
                          0.00
                                        0.00
                                                      0.00 0.000000e+00
                                                                                  0.00
               0
                                                      0.00 0.000000e+00
                                                                                  0.00
## 164
                          0.00
                                        0.00
##
  165
               0
                          0.00
                                        0.00
                                                      0.00 0.000000e+00
                                                                                  0.00
##
               18.5
                             19
                                        19.5
                                                       110
                                                                110.5
                                                                              l11
## 1
        13802000.0
                       13259000
                                 19248000.0
                                              29827001.00
                                                            31135000
                                                                        27463000
                      38720000
## 2
        48687000.0
                                 22867000.0
                                              36103000.00
                                                             35930001
                                                                        37460000
## 3
           306000.0
                         102001
                                    271000.0
                                                1622000.00
                                                              2728000
                                                                          3463000
## 4
                0.0
                              0
                                         0.0
                                                      0.00
                                                                                0
                                                                    1
## 5
        26189000.0
                       29988000
                                 40534000.0
                                              48816001.00
                                                             41071000
                                                                        28671000
## 6
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                        4849000
                                 12384000.0
                                              23384001.00
                                                             32674000
                                                                        23466000
## 7
          755000.0
                        1148001
                                  4142000.0
                                               4890000.00
                                                             10936000
                                                                         14488000
## 8
                                                             10583000
         3477000.0
                        9475000
                                 16416000.0
                                              17331000.00
                                                                         5354000
## 9
                                                                        20957000
         5837000.0
                        4414000
                                  9163000.0
                                              11300000.00
                                                            16789000
## 10
         5649000.0
                        2690000
                                  1087000.0
                                              12954000.00
                                                            33629000
                                                                        45157000
## 11
                0.0
                          10000
                                    760000.0
                                               5399000.00
                                                            17679001
                                                                        17212000
## 12
         3682000.0
                       10965001
                                 17144000.0
                                                8534000.00
                                                              2576000
                                                                          443000
## 13
        16947000.0
                       11418000
                                 11344000.0
                                              10681001.00
                                                             10917000
                                                                        11490000
## 14
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                        2387000
                                  8471000.0
                                               18030000.00
                                                             16956000
                                                                         16490001
## 15
            89000.0
                         657000
                                    869001.0
                                                2813000.00
                                                              3997000
                                                                          3796000
## 16
                0.0
                              0
                                         0.0
                                                      0.00
                                                                    0
                                                                                0
## 17
         1865000.0
                        1119000
                                    680000.0
                                                 869000.00
                                                              2687000
                                                                          2986000
## 18
            40000.0
                        2011000
                                  5303000.0
                                               5115000.00
                                                              4129000
                                                                          2196000
## 19
                0.0
                          46000
                                    46000.0
                                                 151000.00
                                                               667000
                                                                          1533000
## 20
                0.0
                          29000
                                    29000.0
                                                  94000.00
                                                                          956000
                                                               416000
## 21
         7045000.0
                        5124001
                                  3757000.0
                                              12092000.00
                                                             13737000
                                                                         10143000
## 22
        13593000.0
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                                               9941000.00
                                                                         16743001
                                  9939000.0
                                                             12128000
## 23
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                         530001
                                    359000.0
                                                308000.00
                                                               195000
                                                                          191000
## 24
            81000.0
                         159001
                                    94000.0
                                                 84000.00
                                                                22000
                                                                             9000
## 25
                                                              1257000
            51000.0
                         255000
                                    990000.0
                                                 939000.00
                                                                          2526001
             8000.0
                                                                           743000
## 26
                          40000
                                    129000.0
                                                300000.00
                                                               481000
## 27
                0.0
                         773000
                                   1160000.0
                                                3865001.00
                                                              6184000
                                                                          3479001
## 28
           283000.0
                        1415000
                                  5379000.0
                                                4529001.00
                                                              4529000
                                                                          849000
## 29
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                        1640000
                                    426000.0
                                                  72000.00
                                                                73000
                                                                             3000
## 30
         6573001.0
                        2893000
                                    837000.0
                                               1619000.00
                                                              5790000
                                                                         16921000
## 31
          454000.0
                         200000
                                     63000.0
                                                182000.00
                                                              191000
                                                                          221000
## 32
        15461000.0
                        9178000
                                  4291000.0
                                                1430000.00
                                                               577000
                                                                          140000
## 33
           244000.0
                         308000
                                    689000.0
                                                1933001.00
                                                              3742000
                                                                          7043000
## 34
                         990000
                                    330000.0
                                                1061000.00
                                                              2691001
                                                                          5065000
         4949000.0
## 35
        27622000.0
                       17975000
                                 10951000.0
                                                3937000.00
                                                              2140000
                                                                          4809000
## 36
         4970000.0
                        1204000
                                  1732000.0
                                                1892000.00
                                                              3341000
                                                                          5221000
## 37
        18911000.0
                       23551000
                                 28843001.0
                                              46034000.00
                                                             42529000
                                                                        30525000
## 38
        15798000.0
                      31364001
                                 42590000.0
                                              37817000.00
                                                             33981000
                                                                        37797000
## 39
                        2379000
                                              12498000.00
                                                             25805000
                                                                        38267000
         2954000.0
                                  4234000.0
## 40
        11844001.0
                       21895000
                                 31125000.0
                                              36022000.00
                                                             48225000
                                                                        51688000
          1603000.0
                        2350000
                                  3593000.0
                                               5977000.00
                                                              8935000
                                                                          9936000
## 41
           554000.0
## 42
                        1072000
                                  2005000.0
                                                4585000.00
                                                              5913000
                                                                          8294000
```

## 43	4464000.0	2501000	1498000.0	2176000.00	3478000	7644000	
## 44	9103000.0	9015001	10390000.0	10792000.00	13156000	7719000	
## 45	5931000.0	2301000	2011000.0	1665000.00	1990000	2038000	
## 46	2643000.0	2833000	6439000.0	9467000.00	7888001	6832000	
## 47	4654000.0	3735000	4363000.0	4970000.00	6326000	7379000	
## 48	5362000.0	10566000	14584001.0	17947000.00	9999000	<i>5565000</i>	
## 49	3826000.0	9471000	13691000.0	13923000.00	10330001	10821000	
## 50	6620000.0	2964000	4038000.0	3970000.00	12676000	19420001	
## 51	2676000.0	2949000	3800001.0	6351000.00	6797000	10019000	
## 52	6304000.0	7540000	8090000.0	11653000.00	13343000	10412000	
## 53	6092000.0	11182000	17389000.0	23721000.00	29733001	29119000	
## 54	5227000.0	12233000	44594000.0	39611000.00	25030001	21313000	
## 55	5211000.0	4047000	2148000.0	1204000.00	3817000	15166000	
## 56	1681000.0	2523000	2200000.0	3196001.00	1780000	973000	
## 57	5391000.0	7225000	7212000.0	8717000.00	8309001	7192000	
## 58	8390000.0	9949000	15448000.0	19676000.00	23069000	25793001	
## 59	1949000.0	4314000	6218001.0	5939000.00	7354000	9206000	
## 60	1642000.0	2037000	4568000.0	8832001.00	10073000	8606000	
## 61	1311000.0	6323000	11751000.0	23497000.00	28091001	31538000	
## 62	2331000.0	1823000	3749000.0	9265000.00	10619000	17036000	
## 63	1161000.0	1602000	3166001.0	5544000.00	9914000	7688000	
## 64	880000.0	5978000	17305000.0	19340001.00	12737000	7930000	
## 65	30494000.0	32661000	20531000.0	18906001.00	20563000	13736000	
## 66	2227000.0	3778000	11553000.0	39603000.00	91058001	44291000	
## 67	3760000.0	5624001	3917000.0	3599000.00	2344000	2179000	
## 68	1103000.0	2763001	3457000.0	2173000.00	1152000	757000	
## 69	3751000.0	13782000	20146000.0	17768000.00	20145001	19832000	
## 70	13470000.0	20789000	28286000.0	29754000.00	33717001	43446000	
## 71	3439001.0	7006000	5846000.0	4906000.00	5361000	4974001	
## 72	369000.0	490001	427000.0	327001.00	91000	23000	
## 73	15445000.0	35154000	34447000.0	31440001.00	30360000	30999000	
## 74	21938000.0	20354000	18413000.0	25768000.00	24271001	16517000	
## 75	2336000.0	10154000	15630001.0	15063000.00	9721000	7938000	
## 76	1308000.0	1930000	2108000.0	2330001.00	3882000	6410000 5977801	
## 77	1559700.0	1008700	1271400.0	1959000.00	4381000		
## 78	102500.0	380100	525500.0	849100.00	1169800	3114000	
## 79	805800.0	3103400	8694000.0	8958001.00	5939200	3471900	
## 80 ## 81	919000.0	79000	1425000.0	1234000.00	987000 293000	1043001	
## 81 ## 82	21000.0 328000.0	79000 826000	<i>339000.0 2162000.0</i>	<i>552000.00 6013000.00</i>	293000 10616000	1308000 18092000	
## 83	<i>486001.0</i>	731000	900000.0	1747000.00	4460000	6120000	
## 84	22000.0	321000 321000	1600000.0	1733001.00	2192000	1808000	
## <i>85</i>	<i>34000.0</i>	<i>50000</i>	374000.0	730000.00	2192000 975000	135001	
## 86	1423000.0	1348000	4563000.0	8658000.00	20112000	31060000	
## 87	582000.0	2737000	3633000.0	3784001.00	4116000	3399000	
## 88	4000.0	330000	1346000.0	3532000.00	6640001	<i>5754000</i>	
## 89	393000.0	2325000	7544000.0	17223000.00	25309000	31428001	
## 90	4135000.0	7393000	9995000.0	9822000.00	11445000	27831000	
## 90	4761000.0	11177000	16573000.0	25379000.00	29587001	34919000	
## 92	766000.0	1971000	4127000.0	6026000.00	8793000	7635001	
## 93	9980000.0	9901000	11582000.0	10978000.00	7524000	9473001	
## 94	6003000.0	8297000	6637000.0	6903000.00	7580000	9540000	
## 95	2534000.0	5318000	5069000.0	3191001.00	1868000	870000	
	P						

```
## 96
               0.0
                     0
                                   21000.0
                                               96000.00
                                                           350000
                                                                       530001
## 97
                                             7185000.00
                                                                      7103001
          695000.0
                       1797000
                                 4058000.0
                                                           6900000
## 98
         4900000.0
                                            15934000.00
                      7970000
                                10867000.0
                                                         12133000
                                                                     12130000
## 99
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                     16223000
                                26501001.0
                                            30526000.00
                                                          30532000
                                                                     17285000
## 100
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                      1521000
                                 3550000.0
                                             8114000.00
                                                          9629001
                                                                      8611000
## 101
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                                21090906.8
                                            37491208.84
                                                          36859528
                                                                     36993454
## 102
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                     16523664
                                27950957.2
                                            61361637.48
                                                         54350563
                                                                     60908667
## 103
         1154001.4
                      9641272
                                11701535.2
                                            23719513.32
                                                          25083279
                                                                     39013029
                                                            333100
                                                                      1828188
## 104
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                            0
                                       0.0
                                               62284.19
## 105
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                      7522321
                                 8667778.0
                                            13554766.00
                                                          10998430
                                                                     16326457
                                17486435.0
## 106
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                      4503810
                                            36441581.00
                                                          39300072
                                                                     34388522
## 107
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                                                          23361731
                                                                     26485001
## 108
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                                 3649802.0
                                            15129004.00
                                                          20269686
                                                                     21043330
## 109
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                                                          28678025
                                                                     19857356
## 110
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                                 8751020.0
                                            15952095.00
                                                          29108946
                                                                     22194480
## 111
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                                 2287924.0
                                             2956829.00
                                                           5684528
                                                                     10873837
## 112
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                                 3282506.0
                                             4044428.00
                                                           7868094
                                                                     11579968
## 113
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## 28
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## 59	831000.00	295000.00	388000.00	136000.00	164001.00	193000.00	
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                     29420000.00
                                   13317000.00 12802000.00
                                                             3256000.00
## 134
        34394000.00
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## 136 109224000.00
                     66802000.00 42977000.00 19662000.00 13561000.00
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## 137 12923000.00
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## 138 17159000.00
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                                   4822000.00 3010000.00
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                      9674000.00
                                                            462000.00 913000.00
## 139 28694000.00
                                   5498000.00 2287000.00
## 140 158234000.00 204990000.00 94842000.00 61673000.00 24317000.00 2125000.00
## 141 128652000.00
                     96428000.00 105322000.00 42758000.00 9482000.00 3998000.00
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## 142
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       28243000.00
                     28102000.00
                                 31331000.00 21790000.00 12523000.00 2310000.00
## 143
                     36225000.00
                                  17804000.00
## 144
        37541000.00
                                                748000.00
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                                    410000.00
## 145
         3264000.00
                      1640000.00
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## 146
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## 147
         8996000.00
                     17831000.00
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## 148
        30437000.00
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                                   7557000.00 1198000.00
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## 149
        40320000.00
                     13390000.00
                                   4513000.00
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## 150
        54389000.00
                     37586000.00
                                  15431000.00 12498000.00
                                                           3748000.00
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## 151
        25494000.00
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                                   4079000.00 5884000.00
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        22730796.74
                     20028584.49
                                  23068335.93 18745133.88 13172256.24 3613926.71
## 152
## 153
        74603657.00
                     30388082.00
                                  16335946.00 6580494.00 3399692.00 2159855.00
        77770317.00 45440975.00
                                   9989736.00 7974829.00 1510588.00 253567.00
## 154
## 155 150475374.00 90122388.00
                                  36398198.00 25745508.00 8525738.00 3379980.00
## 156 148710918.00
                     90174898.00
                                  45764737.00 33323173.00 17609653.00 7466726.00
## 157
       20896554.00
                    13193499.00
                                   8316031.00 5193393.00 4337642.00 970317.00
                    42085969.00
## 158
       47004112.00
                                  31045095.00 24404499.00 8350867.00 4393685.00
        98557120.00
                     61928688.00
                                  25964978.00 16693469.00 8048546.00 3408990.00
## 159
## 160
           20297.00
                        6668.00
                                      2106.00
                                                   732.00
                                                                 63.00
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## 161
           27927.00
                        19991.00
                                      6077.00
                                                  5195.00
                                                                701.00
                                                                           790.00
## 162
        15345409.00
                    11064099.00
                                   8258900.00 1546688.00 1395881.00 945907.00
## 163
        56661386.00
                     43142344.00
                                  22627354.00 20462559.00
                                                           6254681.00 5620262.00
        26159447.00
## 164
                     10862245.00
                                   7216064.00 4227432.00 1472169.00 736304.00
## 165
        63111464.00
                    45923128.00
                                  26211946.00 16719565.00 11606353.00 5758458.00
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                                  119 119.5
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## 7
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## 10
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## 11
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## 12
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## 13
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## 14
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## 15
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## 16
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## 17
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## 20
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## 21
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```

## 22	0.00	0	0	0	0	0.00	0	0	0	
## 23	0.00	0	0	0	0	0.00	0	0	0	
## 24	0.00	0	0	0	0	0.00	0	0	0	
## 25	0.00	0	0	0	0	0.00	0	0	0	
## 26	0.00	0	0	0	0	0.00	0	0	0	
## 27	0.00	0	0	0	0	0.00	0	0	0	
## 28	0.00	0	0	0	0	0.00	0	0	0	
## 29	0.00	0	0	0	0	0.00	0	0	0	
## 30	0.00	0	0	0	0	0.00	0	0	0	
## 31	0.00	0	0	0	0	0.00	0	0	0	
## 32	0.00	0	0	0	0	0.00	0	0	0	
## 33	0.00	0	0	0	0	0.00	0	0	0	
## 34	0.00	0	0	0	0	0.00	0	0	0	
## 35	0.00	0	0	0	0	0.00	0	0	0	
## 36	0.00	0	0	0	0	0.00	0	0	0	
## 37	0.00	0	0	0	0	0.00	0	0	0	
## 38	0.00	0	0	0	0	0.00	0	0	0	
## 39	0.00	0	0	0	0	0.00	0	0	0	
## 40	0.00	0	0	0	0	0.00	0	0	0	
	0.00	0	0	0	0	0.00	0	0	0	
					0	0.00		0		
	0.00	0	0	0			0		0	
## 43	0.00	0	0	0	0	0.00	0	0	0	
## 44	0.00	0	0	0	0	0.00	0	0	0	
## 45	0.00	0	0	0	0	0.00	0	0	0	
## 46	0.00	0	0	0	0	0.00	0	0	0	
## 47	0.00	0	0	0	0	0.00	0	0	0	
## 48	0.00	0	0	0	0	0.00	0	0	0	
## 49	56000.00	0	0	0	0	0.00	0	0	0	
## 50	2349000.00	38000	0 38		0	0.00	0	0	0	
## 51	281000.00	0	0	0	0	0.00	0	0	0	
## 52	45000.00	0	0	0	0	0.00	0	0	0	
## 53	0.00	0	0	0	0	0.00	0	0	0	
## 54	10000.00	0	0	0	0	0.00	0	0	0	
## 55	223000.00	0	0	0	0	0.00	0	0	0	
## 56	0.00	0	0	0	0	0.00	0	0	0	
## 57	0.00	0	0	0	0	0.00	0	0	0	
## 58	0.00	0	0	0	0	0.00	0	0	0	
## 59	0.00	0	0	0	0	0.00	0	0	0	
## 60	0.00	0	0	0	0	0.00	0	0	0	
## 61	0.00	0	0	0	0	0.00	0	0	0	
## 62	0.00	0	0	0	0	0.00	0	0	0	
## 63	0.00	0	0	0	0	0.00	0	0	0	
## 64	0.00	0	0	0	0	0.00	0	0	0	
## 65	0.00	0	0	0	0	0.00	0	0	0	
## 66	0.00	0	0	0	0	0.00	0	0	0	
## 67	0.00	0	0	0	0	0.00	0	0	0	
## 68	0.00	0	0	0	0	0.00	0	0	0	
## 69	0.00	0	0	0	0	0.00	0	0	0	
## 09										
	0.00	0	0	0	0	0.00	0	0	0	
## 71	0.00	0	0	0	0	0.00	0	0	0	
## 72	0.00	0	0	0	0	0.00	0	0	0	
## 73	0.00	0	0	0	0	0.00	0	0	0	
## 74	0.00	0	0	0	0	0.00	0	0	0	

	± 75	0.00	0	0	0	0	0.00	0	0	0
##		0.00	0	0	0	0	0.00	0	0	0
##	t 77	0.00	0	0	0	0	0.00	0	0	0
##	t 78	0.00	0	0	0	0	0.00	0	0	0
##	t 79	4300.00	0	0	0	0	0.00	0	0	0
##	ŧ 80	0.00	0	0	0	0	0.00	0	0	0
##		0.00	0	0	0	0	0.00	0	0	0
##		0.00	0	0	0	0	0.00	0	0	0
##		0.00	0	0	0	0	0.00	0	0	0
##			0	0	0	0	0.00	0	0	0
##		0.00		0	0		0.00		0	
			0			0		0		0
##			0	0	0	0	0.00	0	0	0
##			0	0	0	0	0.00	0	0	0
##		0.00	0	0	0	0	0.00	0	0	0
##		0.00	0	0	0	0	0.00	0	0	0
##		0.00	0	0	0	0	0.00	0	0	0
	91	0.00	0	0	0	0	0.00	0	0	0
##	t 92		0	0	0	0	0.00	0	0	0
##	t 93	0.00	0	0	0	0	0.00	0	0	0
##	t 94	0.00	0	0	0	0	0.00	0	0	0
##	t 95	0.00	0	0	0	0	0.00	0	0	0
	t 96		0	0	0	0	0.00	0	0	0
##			0	0	0	0	0.00	0	0	0
	± 98		0	0	0	0	0.00	0	0	0
	t 99	0.00	22000	0	0	0	0.00	0	0	0
	10		0	0	0	0	0.00	0	0	0
	£ 10		0	0	0	0	0.00	0	0	0
	£ 10.		0	0	0		11139.94	0	0	0
							•			
	10		0	0	0	0	0.00	0	0	0
	10.		0	0	0	0	0.00	0	0	0
	10		0	0	0	0	2348.00	0	0	0
	10		0	0	0		57717.00	0	0	0
	10		0	0	0	0	0.00	0	0	0
	10		0	0	0	0	0.00	0	0	0
##	10	9 0.00	0	0	0	0	2352.00	0	0	0
##	11	0.00	0	0	0	0	0.00	0	0	0
##	11	0.00	1784	0	0	0	0.00	0	0	0
##	± 11.		0	0	0	0	0.00	0	0	0
	t 11.		0	0	0	0	0.00	0	0	0
	t 11.		0	0	0	0	0.00	0	0	0
	± 11.		0	0	0	0	0.00	0	0	0
	± 11		14449	0	0	0	0.00	0	0	0
	11	•	1013	0	0	0	1308.00	0	0	0
	t 11		0	0	0	0	0.00	0	0	0
	11.	,	0	0	0	0	0.00	0	0	0
	12		10369	3841	9603	9603	1920.00	0	0	0
	12		0	0	0	0	0.00	0	0	0
	<sup>‡</sup> 12.		0	0	0	0	0.00	0	0	0
	12		0	0	0	0	0.00	0	0	0
	t 12.	•	0	0	0	0	0.00	0	0	0
##	12	5 0.00	0	0	0	0	0.00	0	0	0
##	12	6 0.00	0	0	0	0	0.00	0	0	0
	± 12		0	0	0	0	0.00	0	0	0

```
## 128
               0.00
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## 129
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## 130
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## 131
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           4547.00
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## 132
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## 133
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## 134 3164000.00
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## 135
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## 136
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## 140 5549000.00
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## 141
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## 142
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## 143
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## 144
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## 145
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## 146
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## 148
## 149
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## 150
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## 151
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## 152 2195376.04
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## 153 2872261.00 511848
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## 154 333952.00 117822
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## 155 1351992.00 675996
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## 156 4856851.00 664495 124201
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## 157
          17185.00
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## 158 1373845.00 148199
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## 159
        836364.00 349367
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## 160
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## 161
            175.00
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## 162
        304980.00
                     57102
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## 163
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## 164
        148891.00
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                                         0
## 165 1565023.00 320274
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```

Luego ingresamos los datos de edad

```
inputs$dat$N_agebins
## [1] 0
inputs$dat$agebin_vector
## NULL
inputs$dat$N_ageerror_definitions
## NULL
inputs$dat$ageerror
## NULL
inputs$dat$ageerror
## NULL
inputs$dat$age_info
## NULL
inputs$dat$age_omp
```

Otros datos

```
inputs$dat$use_MeanSize_at_Age_obs
## [1] 0
inputs$dat$MeanSize_at_Age_obs
## NULL
inputs$dat$N_environ_variables
## [1] 0
inputs$dat$N_sizefreq_methods
## [1] 0
inputs$dat$do_tags
## [1] 0
inputs$dat$morphcomp_data
## [1] 0
inputs$dat$use_selectivity_priors
## [1] 0
inputs$dat$eof
## [1] TRUE
```