

# 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)
```

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"
## [31] "len_info"        "N_lbins"
## [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]
## $sourcefile
## [1] "/Users/mariajosezunigabasualto/Modelos_SS3/SS3_ane27.9a/10a_anchcadiz/monthanch.dat"
inputs$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      1      0      Fishery
## 2      3      0.08      1      1      0      PELAGO
## 3      3      0.40      1      1      0      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
##      year seas fleet      catch catch_se
## 1    -999     1     1    0.00000    0.01
## 2    -999     2     1    0.00000    0.01
## 3    -999     3     1    0.00000    0.01
## 4    -999     4     1    0.00000    0.01
## 5    1989     1     1 1317.94350    0.01
## 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     1 2300.36400    0.01
## 10   1990     2     1 1571.00600    0.01
## 11   1990     3     1 1182.21900    0.01
## 12   1990     4     1  765.47400    0.01
## 13   1991     1     1 1049.15000    0.01
## 14   1991     2     1 3692.70500    0.01
## 15   1991     3     1  701.61700    0.01
## 16   1991     4     1  273.87600    0.01
## 17   1992     1     1 1125.12550    0.01
## 18   1992     2     1 1368.15050    0.01
## 19   1992     3     1  499.60500    0.01
## 20   1992     4     1    3.82000    0.01
## 21   1993     1     1  766.82200    0.01
## 22   1993     2     1  921.20900    0.01
## 23   1993     3     1  166.86700    0.01
## 24   1993     4     1  105.05300    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     4     1   80.47000    0.01
## 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     4     1  157.42301    0.01
## 33   1996     1     1   41.04300    0.01
## 34   1996     2     1  807.19490    0.01

```

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

```

## 88 2009      4      1 125.85690      0.01
## 89 2010      1      1  66.81650      0.01
## 90 2010      2      1 1708.69360      0.01
## 91 2010      3      1  919.88470      0.01
## 92 2010      4      1  232.03840      0.01
## 93 2011      1      1 1326.20150      0.01
## 94 2011      2      1 2342.55300      0.01
## 95 2011      3      1 2051.29010      0.01
## 96 2011      4      1  571.26970      0.01
## 97 2012      1      1 1158.89770      0.01
## 98 2012      2      1 2433.35800      0.01
## 99 2012      3      1 1219.56945      0.01
## 100 2012     4      1  26.38290      0.01
## 101 2013      1      1  434.46620      0.01
## 102 2013      2      1 1837.27320      0.01
## 103 2013      3      1 2683.15050      0.01
## 104 2013      4      1  276.57200      0.01
## 105 2014      1      1 1754.34260      0.01
## 106 2014      2      1 3553.25230      0.01
## 107 2014      3      1 3299.66810      0.01
## 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      4      1 1174.22880      0.01
## 113 2016      1      1 1351.93760      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
## 117 2017      1      1 1051.18260      0.01
## 118 2017      2      1 2212.82050      0.01
## 119 2017      3      1 1140.49300      0.01
## 120 2017      4      1  206.37760      0.01
## 121 2018      1      1  235.82630      0.01
## 122 2018      2      1 2391.24930      0.01
## 123 2018      3      1 1413.96970      0.01
## 124 2018      4      1  457.76760      0.01
## 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      4      1  981.52000      0.01
## 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      4      1 1113.02800      0.01
## 133 2021      1      1  644.26700      0.01
## 134 2021      2      1 3500.06880      0.01
## 135 2021      3      1 2794.34900      0.01
## 136 2021      4      1  622.91400      0.01
inputs$dat[22]
## $CPUEinfo
##      Fleet Units Errtype SD_Report
## Fishery      1      1      0      0

```

```

## PELAGO      2      1      0      0
## ECOCADIZ    3      1      0      0
inputs$dat[23]
## $CPUE
##      year seas index      obs se_log
## 1  1998   11      2 24763000    0.3
## 2  2000   11      2 24913000    0.3
## 3  2001   11      2 21335000    0.3
## 4  2002   11      2 24565000    0.3
## 5  2005    1      2 14041000    0.3
## 6  2006    1      2 24082000    0.3
## 7  2007    1      2 38020000    0.3
## 8  2008    1      2 34162000    0.3
## 9  2009    1      2 24745000    0.3
## 10 2015    1      2 33100000    0.3
## 11 2016    1      2 65345000    0.3
## 12 2017    1      2 13797000    0.3
## 13 2018    1      2 23473000    0.3
## 14 2019    1      2 29876000    0.3
## 15 2020    1      2 49787000    0.3
## 16 2021    1      2 14065000    0.3
## 17 2004    3      3 18177143    0.3
## 18 2006    3      3 35539397    0.3
## 19 2007    4      3 28882127    0.3
## 20 2009    4      3 21580497    0.3
## 21 2010    4      3 11338565    0.3
## 22 2013    5      3  7336184    0.3
## 23 2014    4      3 28669340    0.3
## 24 2015    4      3 12051443    0.3
## 25 2016    4      3 22836029    0.3
## 26 2017    4      3  6275136    0.3
## 27 2018    4      3 22608374    0.3
## 28 2019    4      3 40220555    0.3
## 29 2020    4      3 19168579    0.3
inputs$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]
## $len_info
##          mintailcomp addtocomp combine_M_F CompressBins CompError ParmSelect
## Fishery           -1      0.001           0           0           0           0
## PELAGO            -1      0.001           0           0           0           0
## ECOCADIZ          -1      0.001           0           0           0           0
##          minsamplesize
## Fishery              1
## PELAGO              1
## ECOCADIZ            1
inputs$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
##          Yr Seas FltSvy Gender Part Nsamp      l3.5      l4      l4.5      l5
## 1    1989     1      1      0      0    100        0        0    127000    452000
## 2    1989     2      1      0      0    100        0        0         0         0
## 3    1989     3      1      0      0    100        0        0         0         0
## 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
## 21   1994     1      1      0      0    100        0         0         0         0
## 22   1994     2      1      0      0    100        0         0         0         0
## 23   1994     3      1      0      0    100        0         0         0         0
## 24   1994     4      1      0      0    100        0         0         0         0
## 25   1995     1      1      0      0    100        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	3	1	0	0	100	3386000	20883000	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	557000	1486000
## 54	2002	2	1	0	0	100	0	0	467000	1706000
## 55	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	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	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	1	1	0	0	100	0	0	0	0
## 90	2011	2	1	0	0	100	0	0	0	0
## 91	2011	3	1	0	0	100	0	0	0	0
## 92	2011	4	1	0	0	100	0	0	0	0
## 93	2012	1	1	0	0	100	0	0	0	0
## 94	2012	2	1	0	0	100	0	0	0	0
## 95	2012	3	1	0	0	100	0	0	0	0
## 96	2012	4	1	0	0	100	0	0	0	0
## 97	2013	1	1	0	0	100	0	0	0	0
## 98	2013	2	1	0	0	100	0	0	0	0
## 99	2013	3	1	0	0	100	0	0	0	0
## 100	2013	4	1	0	0	100	0	0	0	0
## 101	2014	1	1	0	0	100	0	0	0	0
## 102	2014	2	1	0	0	100	0	0	0	0
## 103	2014	3	1	0	0	100	0	0	0	0
## 104	2014	4	1	0	0	100	0	0	0	0
## 105	2015	1	1	0	0	100	0	0	0	0
## 106	2015	2	1	0	0	100	0	0	0	0
## 107	2015	3	1	0	0	100	0	0	0	0
## 108	2015	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	0	5047	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	2	1	0	0	100	0	0	0	0
## 131	2021	3	1	0	0	100	0	0	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
## 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
## 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
## 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	0	0	0
## 164 2019	2	3	0	0	100	0	0	0	0
## 165 2020	2	3	0	0	100	0	0	0	0
##	15.5	16	16.5	17	17.5	18			
## 1	813000	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	1782000.00	4394000.00	6.109000e+06	13038000.00			
## 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			
## 14	144000	65000.00	301000.00	348000.00	5.870000e+05	974000.00			
## 15	0	0.00	0.00	0.00	0.000000e+00	161000.00			
## 16	0	0.00	0.00	0.00	0.000000e+00	0.00			
## 17	48000	130000.00	441000.00	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			
## 21	0	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	0.00	3.000000e+03	28000.00
## 25	0	0.00	0.00	0.00	5.100000e+04	51000.00
## 26	0	0.00	0.00	0.00	0.000000e+00	0.00
## 27	0	0.00	0.00	0.00	0.000000e+00	0.00
## 28	0	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
## 31	61695001	38823000.00	27917000.00	19364000.00	1.104400e+07	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	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
## 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	1835000.00	1550000.00	1306000.00	1.702000e+06	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
## 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	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
## 66	0	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
## 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
## 71	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	2.343000e+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	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

## 129	0	0.00	2936.00	11745.00	8.887000e+03	8501.00
## 130	0	0.00	0.00	0.00	8.765000e+03	38387.00
## 131	18805	9789.00	11755.00	106169.00	1.713580e+05	246934.00
## 132	0	0.00	80829.00	163553.00	2.784870e+05	357137.00
## 133	0	0.00	0.00	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	0.00	0.000000e+00	0.00
## 136	27447000	267590000.00	185249000.00	75461000.00	2.056700e+07	6880000.00
## 137	0	0.00	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	0.00	0.000000e+00	0.00
## 141	0	0.00	0.00	0.00	0.000000e+00	0.00
## 142	0	0.00	14210000.00	21325000.00	2.841800e+07	35534000.00
## 143	0	0.00	0.00	0.00	0.000000e+00	0.00
## 144	0	0.00	0.00	0.00	0.000000e+00	0.00
## 145	0	0.00	0.00	0.00	0.000000e+00	0.00
## 146	0	29090000.00	219142000.00	321925000.00	5.817920e+08	507613000.00
## 147	0	0.00	0.00	3052000.00	4.305100e+07	135256000.00
## 148	0	0.00	0.00	0.00	0.000000e+00	4610000.00
## 149	0	0.00	65758000.00	160647000.00	1.167590e+08	150029000.00
## 150	0	0.00	0.00	0.00	2.612700e+07	34320000.00
## 151	0	0.00	0.00	0.00	0.000000e+00	0.00
## 152	0	0.00	0.00	0.00	0.000000e+00	0.00
## 153	0	0.00	0.00	0.00	0.000000e+00	0.00
## 154	0	0.00	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
## 157	0	0.00	0.00	0.00	0.000000e+00	0.00
## 158	0	0.00	0.00	0.00	0.000000e+00	0.00
## 159	0	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
## 163	0	0.00	0.00	0.00	0.000000e+00	0.00
## 164	0	0.00	0.00	0.00	0.000000e+00	0.00
## 165	0	0.00	0.00	0.00	0.000000e+00	0.00
##	l8.5	l9	l9.5	l10	l10.5	l11
## 1	13802000.0	13259000	19248000.0	29827001.00	31135000	27463000
## 2	48687000.0	38720000	22867000.0	36103000.00	35930001	37460000
## 3	306000.0	102001	271000.0	1622000.00	2728000	3463000
## 4	0.0	0	0.0	0.00	1	0
## 5	26189000.0	29988000	40534000.0	48816001.00	41071000	28671000
## 6	2721000.0	4849000	12384000.0	23384001.00	32674000	23466000
## 7	755000.0	1148001	4142000.0	4890000.00	10936000	14488000
## 8	3477000.0	9475000	16416000.0	17331000.00	10583000	5354000
## 9	5837000.0	4414000	9163000.0	11300000.00	16789000	20957000
## 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	1203000.0	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	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	2350000	3593000.0	5977000.00	8935000	9936000
## 42	554000.0	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	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
## 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
## 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
## 83	486001.0	731000	900000.0	1747000.00	4460000	6120000
## 84	22000.0	321000	1600000.0	1733001.00	2192000	1808000
## 85	34000.0	50000	374000.0	730000.00	975000	1135001
## 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
## 98	4900000.0	7970000	10867000.0	15934000.00	12133000	12130000
## 99	7723000.0	16223000	26501001.0	30526000.00	30532000	17285000
## 100	1013000.0	1521000	3550000.0	8114000.00	9629001	8611000
## 101	5832728.5	17640348	21090906.8	37491208.84	36859528	36993454
## 102	3429658.4	16523664	27950957.2	61361637.48	54350563	60908667
## 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	1868020.0	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
## 116	1186612.0	805395	409200.0	450801.00	589868	365002
## 117	687539.0	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
## 121	193200.2	1975626	1736496.8	1904392.15	2888190	3653813



## 122	892036.0	3045212	4135340.0	6832664.00	13202119	21747455
## 123	0.0	92935	363843.0	1082080.00	3030218	20280847
## 124	2736549.0	23944769	33522668.0	30791217.00	8454627	7800980
## 125	438695.3	2196606	2485854.2	8971080.26	12657141	16462015
## 126	841453.4	3204432	6186277.8	11004334.62	18459112	28644387
## 127	2608296.0	2427910	6215920.5	6640267.62	12565654	23860265
## 128	493358.0	1688393	3714787.0	5862541.00	10559195	11759548
## 129	19861.0	14439	22951.0	53700.00	790352	1113020
## 130	178625.0	708611	4743009.0	18398944.00	48695609	46727615
## 131	2600452.0	16074090	31245629.0	33021928.00	26594262	16464054
## 132	178525.0	1551178	1561268.0	3897042.00	8330760	5759818
## 133	23000000.0	92103000	46000000.0	86000000.00	138102000	144734000
## 134	82606000.0	146559000	237443000.0	247613000.00	351108000	358272000
## 135	568082000.0	1182301000	729795000.0	495930000.00	234395000	97198000
## 136	6880000.0	6880000	6880000.0	6880000.00	28551000	50529000
## 137	0.0	24280000	75189000.0	192542000.00	206640000	149204000
## 138	0.0	0	1482000.0	64560000.00	288158000	553301000
## 139	0.0	0	0.0	13653000.00	62302000	296233000
## 140	0.0	7311000	18278000.0	30487000.00	54188000	96228000
## 141	12260000.0	98203000	312934000.0	171760000.00	45315000	94255000
## 142	49805000.0	35534000	92432000.0	106641000.00	107560000	170409000
## 143	0.0	1174000	4707000.0	10319000.00	23026000	67882000
## 144	0.0	0	9306000.0	18390000.00	64465000	242895000
## 145	0.0	0	221253000.0	507208000.00	982579000	701334000
## 146	595852000.0	1035104000	780278000.0	711319000.00	793083000	1457893000
## 147	150356000.0	131079000	197904000.0	205775000.00	184641000	277509000
## 148	34692000.0	85635000	74638000.0	82368000.00	217905000	305365000
## 149	95673000.0	134701000	134023000.0	127430000.00	343875000	367131000
## 150	60447000.0	193324000	300598000.0	589256000.00	764810000	1145787000
## 151	0.0	0	31032000.0	58972000.00	77403000	244223000
## 152	5256346.3	29954841	121782577.6	140005105.80	102306586	102501869
## 153	0.0	839044	19046421.0	37116690.00	42527459	51251798
## 154	0.0	6850515	103523674.0	279877937.00	348928894	396932666
## 155	0.0	0	0.0	16672579.00	49692445	73721431
## 156	0.0	0	0.0	0.00	0	10122702
## 157	0.0	0	1803805.0	7635283.00	12700967	19458905
## 158	0.0	0	0.0	16880427.00	0	49470370
## 159	0.0	0	0.0	1666349.00	28299693	121680258
## 160	5505.0	14021	39710.0	70506.00	123775	141904
## 161	0.0	0	0.0	66386.00	182344	178169
## 162	5125828.0	0	7467740.0	23704179.00	25904374	41794797
## 163	0.0	0	2464344.0	0.00	11122439	135786483
## 164	0.0	0	0.0	0.00	83557602	329656142
## 165	0.0	0	0.0	12110093.00	37647242	109297678
##	l11.5	l12	l12.5	l13	l13.5	l14
## 1	13041000	9806000	2771000	1168000.0	0.0	0.00
## 2	37049000	24601000	20706000	9882000.0	4553000.0	3301000.00
## 3	5438000	6692000	9522000	4594001.0	4528000.0	2991000.00
## 4	0	0	718000	1387001.0	1435000.0	861000.00
## 5	26035000	17926000	10759000	3973000.0	3291000.0	1063000.00
## 6	19810000	11873000	7418000	4508000.0	3302000.0	1663000.00
## 7	16100001	12993000	9994000	6650000.0	4018000.0	1905000.00
## 8	1369001	1369000	312000	122000.0	8000.0	54000.00



## 9	13672000	6125000	1209000	547000.0	0.0	0.00
## 10	49594001	54360000	37210000	30079000.0	9394000.0	7374000.00
## 11	18511000	16763000	13513000	12683001.0	15922000.0	10468000.00
## 12	134000	108000	0	0.0	0.0	0.00
## 13	14077000	16059000	8744000	2649000.0	481000.0	598000.00
## 14	13510000	14903000	16360000	9659000.0	2610000.0	1000000.00
## 15	3563000	3542001	4081000	4732000.0	2634000.0	1780000.00
## 16	0	0	0	0.0	0.0	0.00
## 17	2670001	7818000	11145000	6494000.0	2654000.0	968000.00
## 18	4093001	8740000	12032000	13850000.0	7144000.0	3313000.00
## 19	1850000	2305001	2297000	1127000.0	626000.0	183000.00
## 20	1153000	1437000	1432000	702000.0	390001.0	114000.00
## 21	8514000	3021000	3772001	959000.0	144000.0	0.00
## 22	23551000	22279000	24792000	13457000.0	6773000.0	4211001.00
## 23	135000	195000	497000	557001.0	727000.0	784000.00
## 24	3000	0	24000	133000.0	342001.0	312000.00
## 25	3293000	2871000	2144000	1020000.0	614000.0	314000.00
## 26	528001	567000	1234000	721000.0	781000.0	570000.00
## 27	2319000	773000	0	0.0	0.0	0.00
## 28	283000	0	0	1.0	0.0	0.00
## 29	3000	1000	1000	0.0	0.0	1.00
## 30	21418000	16632000	7871000	2664000.0	827001.0	454000.00
## 31	660000	753000	1791001	1291000.0	973000.0	791000.00
## 32	250000	27000	0	0.0	1.0	0.00
## 33	10003000	9916000	9857000	9272001.0	9000000.0	2525000.00
## 34	7692000	15802000	21965000	16969000.0	9951000.0	3726001.00
## 35	3462000	6525000	8696000	15587001.0	16422000.0	10651000.00
## 36	5643000	6248000	4266000	4497001.0	2478000.0	1982000.00
## 37	22110000	12224000	15660000	6437001.0	3032000.0	1540000.00
## 38	32173000	22780000	10513000	4455000.0	2836000.0	1004001.00
## 39	41559001	36445000	29267000	22328000.0	13139000.0	6957000.00
## 40	36856000	26857001	19562000	10790000.0	5479000.0	2071000.00
## 41	15791000	21447000	22351000	14835001.0	6386000.0	2432000.00
## 42	11202000	20221001	25349000	17713000.0	16773000.0	10084001.00
## 43	8584000	8678000	11085001	16058000.0	14220000.0	9776000.00
## 44	4427000	5267000	7599001	4020000.0	1340000.0	670000.00
## 45	2185000	2761000	2757000	2684000.0	1377000.0	504001.00
## 46	6344000	5007000	3245000	2522000.0	3019000.0	3403000.00
## 47	6744001	8170000	5964000	4825000.0	3352000.0	2311000.00
## 48	3573000	2790000	2772001	1810000.0	1449000.0	642000.00
## 49	10362000	8435000	6090000	4006000.0	2495000.0	2123000.00
## 50	27754000	27261000	29006000	20283000.0	14557000.0	10460000.00
## 51	13182000	22600000	26587000	29944001.0	20700000.0	23359000.00
## 52	7733000	8578000	6965000	5708001.0	5212000.0	3444000.00
## 53	23461000	23701000	16791000	9747000.0	7074000.0	2877000.00
## 54	22415000	29538000	16854000	17055000.0	15993000.0	9749000.00
## 55	17619000	21282000	19741001	20537000.0	21841000.0	13300000.00
## 56	2256000	5056000	8460000	7343000.0	9976001.0	6089000.00
## 57	6465000	7099000	5466000	5623000.0	5917000.0	6649000.00
## 58	23809000	25405000	23100000	20665000.0	11485000.0	9911000.00
## 59	9755000	7931001	7646000	5656000.0	3876000.0	1713000.00
## 60	4725000	2582000	2331001	1728000.0	478000.0	529000.00
## 61	21373000	17871000	8798000	3617000.0	1168000.0	939000.00

## 62	24272001	30068000	23247000	23888000.0	10136000.0	5521000.00
## 63	10093000	11649000	12283001	13912000.0	10196000.0	6749000.00
## 64	4569000	2846000	2239000	1868001.0	953000.0	1127000.00
## 65	12080000	12997000	8515000	6332000.0	5513001.0	3127000.00
## 66	15216000	22808000	5400000	4634000.0	4081000.0	3353001.00
## 67	2470000	4438000	7098001	8516000.0	6248000.0	3602000.00
## 68	354001	250000	68000	40000.0	28000.0	0.00
## 69	17791000	17975000	11515000	7743000.0	1908001.0	1169000.00
## 70	27725000	24400000	17862000	24453000.0	10634000.0	6236000.00
## 71	4829000	3447000	3316000	2916000.0	1211000.0	1163000.00
## 72	15000	11000	4000	0.0	0.0	0.00
## 73	18156000	15019000	5444000	2330001.0	661000.0	0.00
## 74	21784000	19622000	13794000	22635000.0	9776000.0	1004001.00
## 75	12123000	17163001	13948000	11959000.0	6637000.0	4132000.00
## 76	6097000	5833001	3505000	2607000.0	1025000.0	474001.00
## 77	6393700	7750800	5781400	4020100.0	2231301.0	2001100.00
## 78	3871600	4381500	9590901	10691900.0	8857000.0	8876400.00
## 79	3456700	5011600	7991400	9393601.0	6249800.0	4084800.00
## 80	1479000	2268000	5124000	5482000.0	7481001.0	3873000.00
## 81	4217000	5596001	6440000	6047000.0	5340001.0	4380000.00
## 82	15947001	11641000	8495000	9548000.0	6587000.0	4259001.00
## 83	4853000	5924000	8876001	9182000.0	9299000.0	5612001.00
## 84	1811000	1092001	543000	200000.0	142000.0	46001.00
## 85	1194000	581000	872000	98000.0	174000.0	3001.00
## 86	35318001	22467000	12692000	7050000.0	3489001.0	2539000.00
## 87	3703000	5817000	8581000	12975001.0	8337000.0	6890001.00
## 88	3000000	3179001	1510000	968000.0	336000.0	211000.00
## 89	21244000	10826000	6906000	4081000.0	2559000.0	2793000.00
## 90	40533001	39242000	31235000	19304000.0	6805001.0	3541000.00
## 91	32989000	17941001	12180000	5893000.0	1618000.0	1957000.00
## 92	7839000	7395000	6667000	2427000.0	1943002.0	544000.00
## 93	10666000	9440000	14844001	8051000.0	6215000.0	1428000.00
## 94	15462000	19129001	24053000	24125000.0	21306000.0	13965001.00
## 95	790000	2168000	4457000	8458001.0	10381000.0	8652000.00
## 96	508000	128000	97000	28000.0	24000.0	6002.00
## 97	5530000	3458000	2953000	630000.0	637000.0	382000.00
## 98	15887001	16613000	18848000	13625000.0	9891000.0	5006001.00
## 99	16164000	13589000	20471001	21668000.0	19005000.0	9456000.00
## 100	3039000	1519001	506000	506000.0	0.0	0.00
## 101	21745698	17132933	7377362	5672445.2	2269114.7	717103.76
## 102	45769079	46572148	21424354	19994709.6	3826105.1	2107412.25
## 103	33272121	30909421	31631955	26395147.8	22809844.6	13569644.75
## 104	1398281	4404385	5052447	7977309.4	4622137.7	3931642.83
## 105	10974570	13469362	7770652	6136587.0	1584302.0	8205617.00
## 106	23531055	23600977	12424737	12914565.0	9643071.0	6327122.00
## 107	28499518	18044261	12563903	10527419.0	7664650.0	3388851.00
## 108	16969743	6874452	9707033	8941646.0	7139402.0	3807649.00
## 109	13659562	9139074	8025196	6549328.0	4581943.0	1914148.00
## 110	26360879	18746614	19417807	16150887.0	10752073.0	6182060.00
## 111	19099130	21317446	25409404	22723818.0	20989593.0	12328001.00
## 112	17502182	12872753	9215249	5674800.0	5822826.0	2196743.00
## 113	12888884	5218158	4253437	1906060.7	1478539.6	853286.16
## 114	36300496	12219691	6992082	3799037.8	4033092.6	1994298.67

## 115	11766517	8378177	3237152	2042994.8	649211.0	98928.07
## 116	409116	181811	797532	2011027.0	2078031.0	1291523.00
## 117	4668626	4084545	1271827	317381.6	492894.8	98357.00
## 118	33256082	38219861	27828249	14864828.0	6911119.0	4210417.00
## 119	8229674	17034763	17452249	17076799.5	9615390.2	7969472.28
## 120	2684679	5624192	5783650	5671258.6	3195532.2	2657132.35
## 121	4340734	3774050	3029620	1441965.4	1378828.6	824920.85
## 122	25898174	21421605	16872271	8268619.0	7191817.0	3866625.00
## 123	27745537	37774962	25481913	13433352.0	10230294.0	4472080.00
## 124	7806068	8500368	3675831	1837921.0	229741.0	689224.00
## 125	19371246	16489134	8299821	3078776.9	3321285.3	1343436.02
## 126	32714734	33257658	25010100	12920644.0	7849745.1	4505672.12
## 127	35719510	44308756	25382252	21305921.4	13725362.4	12916524.11
## 128	18169696	12705889	12715770	7233621.0	3193174.0	2942837.00
## 129	5345627	5830497	11100463	7355194.0	5938228.0	3916121.00
## 130	40229230	22845415	25801063	23840032.0	21403227.0	11102880.00
## 131	25804482	16351794	25256334	13732004.0	16804974.0	5988043.00
## 132	6499646	8705545	7952727	7702073.0	2415806.0	2259097.00
## 133	220044000	148027000	252168000	430823000.0	300240000.0	100522000.00
## 134	319972000	256516000	214378000	159830000.0	91827000.0	46848000.00
## 135	102564000	125020000	118119000	46053000.0	37741000.0	33815000.00
## 136	177783000	267266000	265855000	283434000.0	223989000.0	154052000.00
## 137	135759000	105213000	137195000	145680000.0	81064000.0	35506000.00
## 138	470858000	286080000	216552000	177915000.0	113530000.0	41486000.00
## 139	662418000	796608000	596443000	381818000.0	192886000.0	94373000.00
## 140	90564000	206072000	270972000	295941000.0	250806000.0	159079000.00
## 141	336730000	200345000	129781000	114333000.0	86486000.0	79359000.00
## 142	70924000	111295000	78790000	30648000.0	5917000.0	4023000.00
## 143	98434000	130377000	120273000	176981000.0	92740000.0	45476000.00
## 144	304211000	518180000	409235000	358870000.0	171411000.0	51800000.00
## 145	525924000	375934000	283612000	60131000.0	16744000.0	8987000.00
## 146	1832686000	698817000	201093000	43174000.0	1987000.0	0.00
## 147	169882000	113258000	89666000	81785000.0	35661000.0	8996000.00
## 148	414956000	309103000	228555000	138746000.0	147947000.0	69425000.00
## 149	429929000	345633000	303950000	313880000.0	158871000.0	91471000.00
## 150	675854000	572702000	465161000	368930000.0	209578000.0	108206000.00
## 151	349581000	260376000	201611000	99078000.0	63040000.0	60408000.00
## 152	85883990	50209634	32561775	27780680.6	25331789.4	22190554.70
## 153	58200443	101873765	194726044	247867624.0	181161711.0	163110195.00
## 154	457373511	491887622	367712386	278144388.0	194900707.0	140189834.00
## 155	85457851	160284966	216268725	327084309.0	290596839.0	253660699.00
## 156	28430955	65989808	121891603	177879989.0	178063507.0	205902389.00
## 157	46790260	108611711	162627856	204462548.0	95946946.0	56356388.00
## 158	24254752	44374973	27660095	28236770.0	32977610.0	38812073.00
## 159	259004103	323936831	345587022	274426030.0	202553806.0	136325913.00
## 160	163096	136944	113490	110568.0	72404.0	37011.00
## 161	318689	485913	328413	233872.0	102771.0	62206.00
## 162	84209883	64027879	59528137	69763106.0	46578078.0	28206041.00
## 163	297890895	495692912	195536263	188358377.0	92480129.0	81015258.00
## 164	449556651	910813030	719702214	410677432.0	137203965.0	72617760.00
## 165	163663061	269476888	182487663	190642943.0	122967564.0	100863332.00
##	114.5	115	115.5	116	116.5	117
## 1	410000.00	0.00	0.00	0.00	0.00	0.00

## 2	825000.00	825000.00	413000.00	0.00	0.00	0.00
## 3	985000.00	854000.00	1097000.00	4595000.00	7271001.00	4349000.00
## 4	574000.00	335000.00	96000.00	48000.00	0.00	0.00
## 5	175000.00	1.00	128000.00	0.00	0.00	0.00
## 6	277000.00	149000.00	1000.00	4000.00	6000.00	3000.00
## 7	724000.00	450000.00	179000.00	308000.00	518001.00	336000.00
## 8	28000.00	6000.00	9000.00	26000.00	38000.00	32000.00
## 9	0.00	0.00	0.00	0.00	0.00	0.00
## 10	1265001.00	1037000.00	320000.00	0.00	0.00	0.00
## 11	3925000.00	903000.00	513000.00	1343000.00	1606000.00	1381001.00
## 12	17000.00	41000.00	97000.00	165001.00	418000.00	238001.00
## 13	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
## 15	1574000.00	271000.00	871001.00	221000.00	100000.00	0.00
## 16	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
## 19	183000.00	0.00	46000.00	0.00	0.00	0.00
## 20	114000.00	0.00	29000.00	0.00	1.00	0.00
## 21	0.00	0.00	0.00	0.00	0.00	0.00
## 22	2649000.00	1349000.00	0.00	0.00	0.00	0.00
## 23	1242000.00	1704001.00	642000.00	646000.00	274000.00	179000.00
## 24	415000.00	265001.00	121000.00	85000.00	49000.00	0.00
## 25	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
## 28	0.00	0.00	0.00	0.00	0.00	0.00
## 29	0.00	0.00	0.00	0.00	0.00	0.00
## 30	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
## 32	0.00	0.00	1.00	0.00	0.00	0.00
## 33	2590000.00	310000.00	63000.00	0.00	0.00	0.00
## 34	1865000.00	797000.00	279000.00	186000.00	0.00	0.00
## 35	5597000.00	4302001.00	3241000.00	1891000.00	294000.00	0.00
## 36	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

## 55	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
## 75	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
## 85	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	258924.00	11717.00	28951.00	2330.00
## 110	2499268.00	2243586.00	542096.00	719213.00	159562.00	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
## 127	3977248.57	2977835.18	1203520.00	58872.00	0.00	0.00
## 128	2250026.00	1154083.00	1443890.00	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
## 132	782290.00	120891.00	111494.00	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	0.00
## 143	28243000.00	28102000.00	31331000.00	21790000.00	12523000.00	2310000.00
## 144	37541000.00	36225000.00	17804000.00	748000.00	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
## 151	25494000.00	12937000.00	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
## 154	77770317.00	45440975.00	9989736.00	7974829.00	1510588.00	253567.00
## 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
## 158	47004112.00	42085969.00	31045095.00	24404499.00	8350867.00	4393685.00
## 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

## 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
## 164	26159447.00	10862245.00	7216064.00	4227432.00	1472169.00	736304.00
## 165	63111464.00	45923128.00	26211946.00	16719565.00	11606353.00	5758458.00
##	l17.5	l18 l18.5	l19 l19.5	l20 l20.5	l21 l21.5	
## 1	0.00	0 0	0 0	0.00	0 0	0
## 2	0.00	0 0	0 0	0.00	0 0	0
## 3	1241000.00	571000 0	0 0	0.00	0 0	0
## 4	0.00	0 0	0 0	0.00	0 0	0
## 5	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
## 18	0.00	0 0	0 0	0.00	0 0	0
## 19	0.00	0 0	0 0	0.00	0 0	0
## 20	0.00	0 0	0 0	0.00	0 0	0
## 21	0.00	0 0	0 0	0.00	0 0	0
## 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
## 41	0.00	0 0	0 0	0.00	0 0	0
## 42	0.00	0 0	0 0	0.00	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	38000	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
## 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
## 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
## 97	0.00	0	0	0	0	0.00	0	0	0
## 98	59000.00	0	0	0	0	0.00	0	0	0
## 99	0.00	22000	0	0	0	0.00	0	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	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	0.00	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	0.00	0	0	0	0	0.00	0	0	0
## 128	0.00	0	0	0	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
## 134	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
## 140	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
## 143	919000.00	0	0	0	0	0.00	0	0	0
## 144	341000.00	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	0.00	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
## 152	2195376.04	0	0	0	0	0.00	0	0	0
## 153	2872261.00	511848	0	0	0	0.00	0	0	0

```

## 154 333952.00 117822      0      0      0      0.00      0 0 0
## 155 1351992.00 675996      0      0      0      0.00      0 0 0
## 156 4856851.00 664495 124201      0      0      0.00      0 0 0
## 157 17185.00      0      0      0      0      0.00      0 0 0
## 158 1373845.00 148199      0      0      0      0.00      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
## 161      175.00      0      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      0      0.00      0 0 0
## 164 148891.00      0      0      0      0      0.00      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]

```

```

## $fleetinfo2
##           Fishery PELAGO ECOCADIZ
## units           1         1         1
## need_catch_mult 0         0         0
inputs$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          0.08   1     1                0   PELAGO
## 3   3          0.40   1     1                0   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   2    1    0.00000    0.01
## 3  -999   3    1    0.00000    0.01
## 4  -999   4    1    0.00000    0.01
## 5  1989   1    1 1317.94350    0.01
## 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    1 2300.36400    0.01
```

## 10	1990	2	1	1571.00600	0.01
## 11	1990	3	1	1182.21900	0.01
## 12	1990	4	1	765.47400	0.01
## 13	1991	1	1	1049.15000	0.01
## 14	1991	2	1	3692.70500	0.01
## 15	1991	3	1	701.61700	0.01
## 16	1991	4	1	273.87600	0.01
## 17	1992	1	1	1125.12550	0.01
## 18	1992	2	1	1368.15050	0.01
## 19	1992	3	1	499.60500	0.01
## 20	1992	4	1	3.82000	0.01
## 21	1993	1	1	766.82200	0.01
## 22	1993	2	1	921.20900	0.01
## 23	1993	3	1	166.86700	0.01
## 24	1993	4	1	105.05300	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	4	1	80.47000	0.01
## 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	4	1	157.42301	0.01
## 33	1996	1	1	41.04300	0.01
## 34	1996	2	1	807.19490	0.01
## 35	1996	3	1	585.56500	0.01
## 36	1996	4	1	397.60740	0.01
## 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	4	1	588.39290	0.01
## 41	1998	1	1	1781.41640	0.01
## 42	1998	2	1	2175.54610	0.01
## 43	1998	3	1	2909.41820	0.01
## 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	3	1	1615.91490	0.01
## 48	1999	4	1	691.37920	0.01
## 49	2000	1	1	412.15630	0.01
## 50	2000	2	1	667.86390	0.01
## 51	2000	3	1	673.18650	0.01
## 52	2000	4	1	600.23580	0.01
## 53	2001	1	1	1045.57345	0.01
## 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	1	1771.89524	0.01
## 58	2002	2	1	2957.36968	0.01
## 59	2002	3	1	2698.97869	0.01
## 60	2002	4	1	816.01298	0.01
## 61	2003	1	1	1027.34720	0.01
## 62	2003	2	1	2538.96731	0.01

## 63	2003	3	1	965.34638	0.01
## 64	2003	4	1	416.14447	0.01
## 65	2004	1	1	1384.22688	0.01
## 66	2004	2	1	1976.41876	0.01
## 67	2004	3	1	1521.88429	0.01
## 68	2004	4	1	698.65820	0.01
## 69	2005	1	1	1398.10140	0.01
## 70	2005	2	1	2252.43800	0.01
## 71	2005	3	1	705.50030	0.01
## 72	2005	4	1	84.78020	0.01
## 73	2006	1	1	1296.89640	0.01
## 74	2006	2	1	2657.27200	0.01
## 75	2006	3	1	415.79930	0.01
## 76	2006	4	1	19.12240	0.01
## 77	2007	1	1	1581.10000	0.01
## 78	2007	2	1	2251.47400	0.01
## 79	2007	3	1	1422.71140	0.01
## 80	2007	4	1	360.96480	0.01
## 81	2008	1	1	612.77740	0.01
## 82	2008	2	1	1120.85830	0.01
## 83	2008	3	1	910.27410	0.01
## 84	2008	4	1	575.71560	0.01
## 85	2009	1	1	533.46360	0.01
## 86	2009	2	1	1280.05930	0.01
## 87	2009	3	1	1015.53970	0.01
## 88	2009	4	1	125.85690	0.01
## 89	2010	1	1	66.81650	0.01
## 90	2010	2	1	1708.69360	0.01
## 91	2010	3	1	919.88470	0.01
## 92	2010	4	1	232.03840	0.01
## 93	2011	1	1	1326.20150	0.01
## 94	2011	2	1	2342.55300	0.01
## 95	2011	3	1	2051.29010	0.01
## 96	2011	4	1	571.26970	0.01
## 97	2012	1	1	1158.89770	0.01
## 98	2012	2	1	2433.35800	0.01
## 99	2012	3	1	1219.56945	0.01
## 100	2012	4	1	26.38290	0.01
## 101	2013	1	1	434.46620	0.01
## 102	2013	2	1	1837.27320	0.01
## 103	2013	3	1	2683.15050	0.01
## 104	2013	4	1	276.57200	0.01
## 105	2014	1	1	1754.34260	0.01
## 106	2014	2	1	3553.25230	0.01
## 107	2014	3	1	3299.66810	0.01
## 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	4	1	1174.22880	0.01
## 113	2016	1	1	1351.93760	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
## 117 2017      1      1 1051.18260      0.01
## 118 2017      2      1 2212.82050      0.01
## 119 2017      3      1 1140.49300      0.01
## 120 2017      4      1 206.37760      0.01
## 121 2018      1      1 235.82630      0.01
## 122 2018      2      1 2391.24930      0.01
## 123 2018      3      1 1413.96970      0.01
## 124 2018      4      1 457.76760      0.01
## 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      4      1 981.52000      0.01
## 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      4      1 1113.02800      0.01
## 133 2021      1      1 644.26700      0.01
## 134 2021      2      1 3500.06880      0.01
## 135 2021      3      1 2794.34900      0.01
## 136 2021      4      1 622.91400      0.01
```

## 2. Sobre los Datos de índices de abundancia

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

```
inputs$dat$CPUEinfo
##           Fleet Units Errtype SD_Report
## Fishery      1      1      0      0
## PELAGO       2      1      0      0
## ECOCADIZ     3      1      0      0
```

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

```
## 21 2010 4 3 11338565 0.3
## 22 2013 5 3 7336184 0.3
## 23 2014 4 3 28669340 0.3
## 24 2015 4 3 12051443 0.3
## 25 2016 4 3 22836029 0.3
## 26 2017 4 3 6275136 0.3
## 27 2018 4 3 22608374 0.3
## 28 2019 4 3 40220555 0.3
## 29 2020 4 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          0
## PELAGO           -1      0.001          0          0          0          0
## ECOCADIZ         -1      0.001          0          0          0          0
##          minsamplesize
## Fishery              1
## PELAGO              1
## ECOCADIZ            1
```

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      l3.5      l4      l4.5      l5
## 1  1989    1      1      0  0  100      0      0  127000  452000
## 2  1989    2      1      0  0  100      0      0      0      0
## 3  1989    3      1      0  0  100      0      0      0      0
```



## 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
## 21	1994	1	1	0	0	100	0	0	0	0
## 22	1994	2	1	0	0	100	0	0	0	0
## 23	1994	3	1	0	0	100	0	0	0	0
## 24	1994	4	1	0	0	100	0	0	0	0
## 25	1995	1	1	0	0	100	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	3	1	0	0	100	3386000	20883000	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	557000	1486000
## 54	2002	2	1	0	0	100	0	0	467000	1706000
## 55	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	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	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	1	1	0	0	100	0	0	0	0
## 90	2011	2	1	0	0	100	0	0	0	0
## 91	2011	3	1	0	0	100	0	0	0	0
## 92	2011	4	1	0	0	100	0	0	0	0
## 93	2012	1	1	0	0	100	0	0	0	0
## 94	2012	2	1	0	0	100	0	0	0	0
## 95	2012	3	1	0	0	100	0	0	0	0
## 96	2012	4	1	0	0	100	0	0	0	0
## 97	2013	1	1	0	0	100	0	0	0	0
## 98	2013	2	1	0	0	100	0	0	0	0
## 99	2013	3	1	0	0	100	0	0	0	0
## 100	2013	4	1	0	0	100	0	0	0	0
## 101	2014	1	1	0	0	100	0	0	0	0
## 102	2014	2	1	0	0	100	0	0	0	0
## 103	2014	3	1	0	0	100	0	0	0	0
## 104	2014	4	1	0	0	100	0	0	0	0
## 105	2015	1	1	0	0	100	0	0	0	0
## 106	2015	2	1	0	0	100	0	0	0	0
## 107	2015	3	1	0	0	100	0	0	0	0
## 108	2015	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	0	5047	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	2	1	0	0	100	0	0	0	0
## 131 2021	3	1	0	0	100	0	0	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
## 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
## 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
## 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	0	0	0
## 164	2019	2	3	0	0	100	0	0	0	0
## 165	2020	2	3	0	0	100	0	0	0	0
##	15.5		16		16.5		17		17.5	18
## 1	813000		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		1782000.00		4394000.00		6.109000e+06	13038000.00
## 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
## 14	144000		65000.00		301000.00		348000.00		5.870000e+05	974000.00
## 15	0		0.00		0.00		0.00		0.000000e+00	161000.00
## 16	0		0.00		0.00		0.00		0.000000e+00	0.00
## 17	48000		130000.00		441000.00		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
## 21	0		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		0.00		3.000000e+03	28000.00
## 25	0		0.00		0.00		0.00		5.100000e+04	51000.00
## 26	0		0.00		0.00		0.00		0.000000e+00	0.00
## 27	0		0.00		0.00		0.00		0.000000e+00	0.00
## 28	0		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
## 31	61695001		38823000.00		27917000.00		19364000.00		1.104400e+07	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		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
## 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		1835000.00		1550000.00		1306000.00		1.702000e+06	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
## 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	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
## 66	0	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
## 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
## 71	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	2.343000e+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	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
## 129	0	0.00	2936.00	11745.00	8.887000e+03	8501.00
## 130	0	0.00	0.00	0.00	8.765000e+03	38387.00
## 131	18805	9789.00	11755.00	106169.00	1.713580e+05	246934.00
## 132	0	0.00	80829.00	163553.00	2.784870e+05	357137.00
## 133	0	0.00	0.00	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	0.00	0.000000e+00	0.00
## 136	27447000	267590000.00	185249000.00	75461000.00	2.056700e+07	6880000.00
## 137	0	0.00	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	0.00	0.000000e+00	0.00
## 141	0	0.00	0.00	0.00	0.000000e+00	0.00
## 142	0	0.00	14210000.00	21325000.00	2.841800e+07	35534000.00
## 143	0	0.00	0.00	0.00	0.000000e+00	0.00
## 144	0	0.00	0.00	0.00	0.000000e+00	0.00
## 145	0	0.00	0.00	0.00	0.000000e+00	0.00
## 146	0	29090000.00	219142000.00	321925000.00	5.817920e+08	507613000.00
## 147	0	0.00	0.00	3052000.00	4.305100e+07	135256000.00
## 148	0	0.00	0.00	0.00	0.000000e+00	4610000.00
## 149	0	0.00	65758000.00	160647000.00	1.167590e+08	150029000.00
## 150	0	0.00	0.00	0.00	2.612700e+07	34320000.00
## 151	0	0.00	0.00	0.00	0.000000e+00	0.00
## 152	0	0.00	0.00	0.00	0.000000e+00	0.00
## 153	0	0.00	0.00	0.00	0.000000e+00	0.00
## 154	0	0.00	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
## 157	0	0.00	0.00	0.00	0.000000e+00	0.00
## 158	0	0.00	0.00	0.00	0.000000e+00	0.00
## 159	0	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
## 163	0	0.00	0.00	0.00	0.000000e+00	0.00
## 164	0	0.00	0.00	0.00	0.000000e+00	0.00
## 165	0	0.00	0.00	0.00	0.000000e+00	0.00
##	l8.5	l9	l9.5	l10	l10.5	l11
## 1	13802000.0	13259000	19248000.0	29827001.00	31135000	27463000
## 2	48687000.0	38720000	22867000.0	36103000.00	35930001	37460000
## 3	306000.0	102001	271000.0	1622000.00	2728000	3463000
## 4	0.0	0	0.0	0.00	1	0
## 5	26189000.0	29988000	40534000.0	48816001.00	41071000	28671000
## 6	2721000.0	4849000	12384000.0	23384001.00	32674000	23466000
## 7	755000.0	1148001	4142000.0	4890000.00	10936000	14488000
## 8	3477000.0	9475000	16416000.0	17331000.00	10583000	5354000
## 9	5837000.0	4414000	9163000.0	11300000.00	16789000	20957000
## 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	1203000.0	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	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	2350000	3593000.0	5977000.00	8935000	9936000
## 42	554000.0	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	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
## 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
## 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
## 83	486001.0	731000	900000.0	1747000.00	4460000	6120000
## 84	22000.0	321000	1600000.0	1733001.00	2192000	1808000
## 85	34000.0	50000	374000.0	730000.00	975000	1135001
## 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
## 98	4900000.0	7970000	10867000.0	15934000.00	12133000	12130000
## 99	7723000.0	16223000	26501001.0	30526000.00	30532000	17285000
## 100	1013000.0	1521000	3550000.0	8114000.00	9629001	8611000
## 101	5832728.5	17640348	21090906.8	37491208.84	36859528	36993454
## 102	3429658.4	16523664	27950957.2	61361637.48	54350563	60908667
## 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	1868020.0	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
## 116	1186612.0	805395	409200.0	450801.00	589868	365002
## 117	687539.0	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
## 121	193200.2	1975626	1736496.8	1904392.15	2888190	3653813
## 122	892036.0	3045212	4135340.0	6832664.00	13202119	21747455
## 123	0.0	92935	363843.0	1082080.00	3030218	20280847
## 124	2736549.0	23944769	33522668.0	30791217.00	8454627	7800980
## 125	438695.3	2196606	2485854.2	8971080.26	12657141	16462015
## 126	841453.4	3204432	6186277.8	11004334.62	18459112	28644387
## 127	2608296.0	2427910	6215920.5	6640267.62	12565654	23860265
## 128	493358.0	1688393	3714787.0	5862541.00	10559195	11759548
## 129	19861.0	14439	22951.0	53700.00	790352	1113020
## 130	178625.0	708611	4743009.0	18398944.00	48695609	46727615
## 131	2600452.0	16074090	31245629.0	33021928.00	26594262	16464054
## 132	178525.0	1551178	1561268.0	3897042.00	8330760	5759818
## 133	23000000.0	92103000	46000000.0	86000000.00	138102000	144734000
## 134	82606000.0	146559000	237443000.0	247613000.00	351108000	358272000
## 135	568082000.0	1182301000	729795000.0	495930000.00	234395000	97198000
## 136	6880000.0	6880000	6880000.0	6880000.00	28551000	50529000
## 137	0.0	24280000	75189000.0	192542000.00	206640000	149204000
## 138	0.0	0	1482000.0	64560000.00	288158000	553301000
## 139	0.0	0	0.0	13653000.00	62302000	296233000
## 140	0.0	7311000	18278000.0	30487000.00	54188000	96228000
## 141	12260000.0	98203000	312934000.0	171760000.00	45315000	94255000
## 142	49805000.0	35534000	92432000.0	106641000.00	107560000	170409000
## 143	0.0	1174000	4707000.0	10319000.00	23026000	67882000
## 144	0.0	0	9306000.0	18390000.00	64465000	242895000
## 145	0.0	0	221253000.0	507208000.00	982579000	701334000
## 146	595852000.0	1035104000	780278000.0	711319000.00	793083000	1457893000
## 147	150356000.0	131079000	197904000.0	205775000.00	184641000	277509000
## 148	34692000.0	85635000	74638000.0	82368000.00	217905000	305365000

## 149	95673000.0	134701000	134023000.0	127430000.00	343875000	367131000
## 150	60447000.0	193324000	300598000.0	589256000.00	764810000	1145787000
## 151	0.0	0	31032000.0	58972000.00	77403000	244223000
## 152	5256346.3	29954841	121782577.6	140005105.80	102306586	102501869
## 153	0.0	839044	19046421.0	37116690.00	42527459	51251798
## 154	0.0	6850515	103523674.0	279877937.00	348928894	396932666
## 155	0.0	0	0.0	16672579.00	49692445	73721431
## 156	0.0	0	0.0	0.00	0	10122702
## 157	0.0	0	1803805.0	7635283.00	12700967	19458905
## 158	0.0	0	0.0	16880427.00	0	49470370
## 159	0.0	0	0.0	1666349.00	28299693	121680258
## 160	5505.0	14021	39710.0	70506.00	123775	141904
## 161	0.0	0	0.0	66386.00	182344	178169
## 162	5125828.0	0	7467740.0	23704179.00	25904374	41794797
## 163	0.0	0	2464344.0	0.00	11122439	135786483
## 164	0.0	0	0.0	0.00	83557602	329656142
## 165	0.0	0	0.0	12110093.00	37647242	109297678
##	l11.5	l12	l12.5	l13	l13.5	l14
## 1	13041000	9806000	2771000	1168000.0	0.0	0.00
## 2	37049000	24601000	20706000	9882000.0	4553000.0	3301000.00
## 3	5438000	6692000	9522000	4594001.0	4528000.0	2991000.00
## 4	0	0	718000	1387001.0	1435000.0	861000.00
## 5	26035000	17926000	10759000	3973000.0	3291000.0	1063000.00
## 6	19810000	11873000	7418000	4508000.0	3302000.0	1663000.00
## 7	16100001	12993000	9994000	6650000.0	4018000.0	1905000.00
## 8	1369001	1369000	312000	122000.0	8000.0	54000.00
## 9	13672000	6125000	1209000	547000.0	0.0	0.00
## 10	49594001	54360000	37210000	30079000.0	9394000.0	7374000.00
## 11	18511000	16763000	13513000	12683001.0	15922000.0	10468000.00
## 12	134000	108000	0	0.0	0.0	0.00
## 13	14077000	16059000	8744000	2649000.0	481000.0	598000.00
## 14	13510000	14903000	16360000	9659000.0	2610000.0	1000000.00
## 15	3563000	3542001	4081000	4732000.0	2634000.0	1780000.00
## 16	0	0	0	0.0	0.0	0.00
## 17	2670001	7818000	11145000	6494000.0	2654000.0	968000.00
## 18	4093001	8740000	12032000	13850000.0	7144000.0	3313000.00
## 19	1850000	2305001	2297000	1127000.0	626000.0	183000.00
## 20	1153000	1437000	1432000	702000.0	390001.0	114000.00
## 21	8514000	3021000	3772001	959000.0	144000.0	0.00
## 22	23551000	22279000	24792000	13457000.0	6773000.0	4211001.00
## 23	135000	195000	497000	557001.0	727000.0	784000.00
## 24	3000	0	24000	133000.0	342001.0	312000.00
## 25	3293000	2871000	2144000	1020000.0	614000.0	314000.00
## 26	528001	567000	1234000	721000.0	781000.0	570000.00
## 27	2319000	773000	0	0.0	0.0	0.00
## 28	283000	0	0	1.0	0.0	0.00
## 29	3000	1000	1000	0.0	0.0	1.00
## 30	21418000	16632000	7871000	2664000.0	827001.0	454000.00
## 31	660000	753000	1791001	1291000.0	973000.0	791000.00
## 32	250000	27000	0	0.0	1.0	0.00
## 33	10003000	9916000	9857000	9272001.0	9000000.0	2525000.00
## 34	7692000	15802000	21965000	16969000.0	9951000.0	3726001.00
## 35	3462000	6525000	8696000	15587001.0	16422000.0	10651000.00

## 36	5643000	6248000	4266000	4497001.0	2478000.0	1982000.00
## 37	22110000	12224000	15660000	6437001.0	3032000.0	1540000.00
## 38	32173000	22780000	10513000	4455000.0	2836000.0	1004001.00
## 39	41559001	36445000	29267000	22328000.0	13139000.0	6957000.00
## 40	36856000	26857001	19562000	10790000.0	5479000.0	2071000.00
## 41	15791000	21447000	22351000	14835001.0	6386000.0	2432000.00
## 42	11202000	20221001	25349000	17713000.0	16773000.0	10084001.00
## 43	8584000	8678000	11085001	16058000.0	14220000.0	9776000.00
## 44	4427000	5267000	7599001	4020000.0	1340000.0	670000.00
## 45	2185000	2761000	2757000	2684000.0	1377000.0	504001.00
## 46	6344000	5007000	3245000	2522000.0	3019000.0	3403000.00
## 47	6744001	8170000	5964000	4825000.0	3352000.0	2311000.00
## 48	3573000	2790000	2772001	1810000.0	1449000.0	642000.00
## 49	10362000	8435000	6090000	4006000.0	2495000.0	2123000.00
## 50	27754000	27261000	29006000	20283000.0	14557000.0	10460000.00
## 51	13182000	22600000	26587000	29944001.0	20700000.0	23359000.00
## 52	7733000	8578000	6965000	5708001.0	5212000.0	3444000.00
## 53	23461000	23701000	16791000	9747000.0	7074000.0	2877000.00
## 54	22415000	29538000	16854000	17055000.0	15993000.0	9749000.00
## 55	17619000	21282000	19741001	20537000.0	21841000.0	13300000.00
## 56	2256000	5056000	8460000	7343000.0	9976001.0	6089000.00
## 57	6465000	7099000	5466000	5623000.0	5917000.0	6649000.00
## 58	23809000	25405000	23100000	20665000.0	11485000.0	9911000.00
## 59	9755000	7931001	7646000	5656000.0	3876000.0	1713000.00
## 60	4725000	2582000	2331001	1728000.0	478000.0	529000.00
## 61	21373000	17871000	8798000	3617000.0	1168000.0	939000.00
## 62	24272001	30068000	23247000	23888000.0	10136000.0	5521000.00
## 63	10093000	11649000	12283001	13912000.0	10196000.0	6749000.00
## 64	4569000	2846000	2239000	1868001.0	953000.0	1127000.00
## 65	12080000	12997000	8515000	6332000.0	5513001.0	3127000.00
## 66	15216000	22808000	5400000	4634000.0	4081000.0	3353001.00
## 67	2470000	4438000	7098001	8516000.0	6248000.0	3602000.00
## 68	354001	250000	68000	40000.0	28000.0	0.00
## 69	17791000	17975000	11515000	7743000.0	1908001.0	1169000.00
## 70	27725000	24400000	17862000	24453000.0	10634000.0	6236000.00
## 71	4829000	3447000	3316000	2916000.0	1211000.0	1163000.00
## 72	15000	11000	4000	0.0	0.0	0.00
## 73	18156000	15019000	5444000	2330001.0	661000.0	0.00
## 74	21784000	19622000	13794000	22635000.0	9776000.0	1004001.00
## 75	12123000	17163001	13948000	11959000.0	6637000.0	4132000.00
## 76	6097000	5833001	3505000	2607000.0	1025000.0	474001.00
## 77	6393700	7750800	5781400	4020100.0	2231301.0	2001100.00
## 78	3871600	4381500	9590901	10691900.0	8857000.0	8876400.00
## 79	3456700	5011600	7991400	9393601.0	6249800.0	4084800.00
## 80	1479000	2268000	5124000	5482000.0	7481001.0	3873000.00
## 81	4217000	5596001	6440000	6047000.0	5340001.0	4380000.00
## 82	15947001	11641000	8495000	9548000.0	6587000.0	4259001.00
## 83	4853000	5924000	8876001	9182000.0	9299000.0	5612001.00
## 84	1811000	1092001	543000	200000.0	142000.0	46001.00
## 85	1194000	581000	872000	98000.0	174000.0	3001.00
## 86	35318001	22467000	12692000	7050000.0	3489001.0	2539000.00
## 87	3703000	5817000	8581000	12975001.0	8337000.0	6890001.00
## 88	3000000	3179001	1510000	968000.0	336000.0	211000.00

## 89	21244000	10826000	6906000	4081000.0	2559000.0	2793000.00
## 90	40533001	39242000	31235000	19304000.0	6805001.0	3541000.00
## 91	32989000	17941001	12180000	5893000.0	1618000.0	1957000.00
## 92	7839000	7395000	6667000	2427000.0	1943002.0	544000.00
## 93	10666000	9440000	14844001	8051000.0	6215000.0	1428000.00
## 94	15462000	19129001	24053000	24125000.0	21306000.0	13965001.00
## 95	790000	2168000	4457000	8458001.0	10381000.0	8652000.00
## 96	508000	128000	97000	28000.0	24000.0	6002.00
## 97	5530000	3458000	2953000	630000.0	637000.0	382000.00
## 98	15887001	16613000	18848000	13625000.0	9891000.0	5006001.00
## 99	16164000	13589000	20471001	21668000.0	19005000.0	9456000.00
## 100	3039000	1519001	506000	506000.0	0.0	0.00
## 101	21745698	17132933	7377362	5672445.2	2269114.7	717103.76
## 102	45769079	46572148	21424354	19994709.6	3826105.1	2107412.25
## 103	33272121	30909421	31631955	26395147.8	22809844.6	13569644.75
## 104	1398281	4404385	5052447	7977309.4	4622137.7	3931642.83
## 105	10974570	13469362	7770652	6136587.0	1584302.0	8205617.00
## 106	23531055	23600977	12424737	12914565.0	9643071.0	6327122.00
## 107	28499518	18044261	12563903	10527419.0	7664650.0	3388851.00
## 108	16969743	6874452	9707033	8941646.0	7139402.0	3807649.00
## 109	13659562	9139074	8025196	6549328.0	4581943.0	1914148.00
## 110	26360879	18746614	19417807	16150887.0	10752073.0	6182060.00
## 111	19099130	21317446	25409404	22723818.0	20989593.0	12328001.00
## 112	17502182	12872753	9215249	5674800.0	5822826.0	2196743.00
## 113	12888884	5218158	4253437	1906060.7	1478539.6	853286.16
## 114	36300496	12219691	6992082	3799037.8	4033092.6	1994298.67
## 115	11766517	8378177	3237152	2042994.8	649211.0	98928.07
## 116	409116	181811	797532	2011027.0	2078031.0	1291523.00
## 117	4668626	4084545	1271827	317381.6	492894.8	98357.00
## 118	33256082	38219861	27828249	14864828.0	6911119.0	4210417.00
## 119	8229674	17034763	17452249	17076799.5	9615390.2	7969472.28
## 120	2684679	5624192	5783650	5671258.6	3195532.2	2657132.35
## 121	4340734	3774050	3029620	1441965.4	1378828.6	824920.85
## 122	25898174	21421605	16872271	8268619.0	7191817.0	3866625.00
## 123	27745537	37774962	25481913	13433352.0	10230294.0	4472080.00
## 124	7806068	8500368	3675831	1837921.0	229741.0	689224.00
## 125	19371246	16489134	8299821	3078776.9	3321285.3	1343436.02
## 126	32714734	33257658	25010100	12920644.0	7849745.1	4505672.12
## 127	35719510	44308756	25382252	21305921.4	13725362.4	12916524.11
## 128	18169696	12705889	12715770	7233621.0	3193174.0	2942837.00
## 129	5345627	5830497	11100463	7355194.0	5938228.0	3916121.00
## 130	40229230	22845415	25801063	23840032.0	21403227.0	11102880.00
## 131	25804482	16351794	25256334	13732004.0	16804974.0	5988043.00
## 132	6499646	8705545	7952727	7702073.0	2415806.0	2259097.00
## 133	220044000	148027000	252168000	430823000.0	300240000.0	100522000.00
## 134	319972000	256516000	214378000	159830000.0	91827000.0	46848000.00
## 135	102564000	125020000	118119000	46053000.0	37741000.0	33815000.00
## 136	177783000	267266000	265855000	283434000.0	223989000.0	154052000.00
## 137	135759000	105213000	137195000	145680000.0	81064000.0	35506000.00
## 138	470858000	286080000	21652000	177915000.0	113530000.0	41486000.00
## 139	662418000	796608000	596443000	381818000.0	192886000.0	94373000.00
## 140	90564000	206072000	270972000	295941000.0	250806000.0	159079000.00
## 141	336730000	200345000	129781000	114333000.0	86486000.0	79359000.00

## 142	70924000	111295000	78790000	30648000.0	5917000.0	4023000.00
## 143	98434000	130377000	120273000	176981000.0	92740000.0	45476000.00
## 144	304211000	518180000	409235000	358870000.0	171411000.0	51800000.00
## 145	525924000	375934000	283612000	60131000.0	16744000.0	8987000.00
## 146	1832686000	698817000	201093000	43174000.0	1987000.0	0.00
## 147	169882000	113258000	89666000	81785000.0	35661000.0	8996000.00
## 148	414956000	309103000	228555000	138746000.0	147947000.0	69425000.00
## 149	429929000	345633000	303950000	313880000.0	158871000.0	91471000.00
## 150	675854000	572702000	465161000	368930000.0	209578000.0	108206000.00
## 151	349581000	260376000	201611000	99078000.0	63040000.0	60408000.00
## 152	85883990	50209634	32561775	27780680.6	25331789.4	22190554.70
## 153	58200443	101873765	194726044	247867624.0	181161711.0	163110195.00
## 154	457373511	491887622	367712386	278144388.0	194900707.0	140189834.00
## 155	85457851	160284966	216268725	327084309.0	290596839.0	253660699.00
## 156	28430955	65989808	121891603	177879989.0	178063507.0	205902389.00
## 157	46790260	108611711	162627856	204462548.0	95946946.0	56356388.00
## 158	24254752	44374973	27660095	28236770.0	32977610.0	38812073.00
## 159	259004103	323936831	345587022	274426030.0	202553806.0	136325913.00
## 160	163096	136944	113490	110568.0	72404.0	37011.00
## 161	318689	485913	328413	233872.0	102771.0	62206.00
## 162	84209883	64027879	59528137	69763106.0	46578078.0	28206041.00
## 163	297890895	495692912	195536263	188358377.0	92480129.0	81015258.00
## 164	449556651	910813030	719702214	410677432.0	137203965.0	72617760.00
## 165	163663061	269476888	182487663	190642943.0	122967564.0	100863332.00
##	l14.5	l15	l15.5	l16	l16.5	l17
## 1	410000.00	0.00	0.00	0.00	0.00	0.00
## 2	825000.00	825000.00	413000.00	0.00	0.00	0.00
## 3	985000.00	854000.00	1097000.00	4595000.00	7271001.00	4349000.00
## 4	574000.00	335000.00	96000.00	48000.00	0.00	0.00
## 5	175000.00	1.00	128000.00	0.00	0.00	0.00
## 6	277000.00	149000.00	1000.00	4000.00	6000.00	3000.00
## 7	724000.00	450000.00	179000.00	308000.00	518001.00	336000.00
## 8	28000.00	6000.00	9000.00	26000.00	38000.00	32000.00
## 9	0.00	0.00	0.00	0.00	0.00	0.00
## 10	1265001.00	1037000.00	320000.00	0.00	0.00	0.00
## 11	3925000.00	903000.00	513000.00	1343000.00	1606000.00	1381001.00
## 12	17000.00	41000.00	97000.00	165001.00	418000.00	238001.00
## 13	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
## 15	1574000.00	271000.00	871001.00	221000.00	100000.00	0.00
## 16	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
## 19	183000.00	0.00	46000.00	0.00	0.00	0.00
## 20	114000.00	0.00	29000.00	0.00	1.00	0.00
## 21	0.00	0.00	0.00	0.00	0.00	0.00
## 22	2649000.00	1349000.00	0.00	0.00	0.00	0.00
## 23	1242000.00	1704001.00	642000.00	646000.00	274000.00	179000.00
## 24	415000.00	265001.00	121000.00	85000.00	49000.00	0.00
## 25	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
## 28	0.00	0.00	0.00	0.00	0.00	0.00

## 29	0.00	0.00	0.00	0.00	0.00	0.00
## 30	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
## 32	0.00	0.00	1.00	0.00	0.00	0.00
## 33	2590000.00	310000.00	63000.00	0.00	0.00	0.00
## 34	1865000.00	797000.00	279000.00	186000.00	0.00	0.00
## 35	5597000.00	4302001.00	3241000.00	1891000.00	294000.00	0.00
## 36	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
## 55	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
## 75	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
## 85	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	258924.00	11717.00	28951.00	2330.00
## 110	2499268.00	2243586.00	542096.00	719213.00	159562.00	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
## 127	3977248.57	2977835.18	1203520.00	58872.00	0.00	0.00
## 128	2250026.00	1154083.00	1443890.00	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
## 132	782290.00	120891.00	111494.00	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	0.00			
## 143	28243000.00	28102000.00	31331000.00	21790000.00	12523000.00	2310000.00			
## 144	37541000.00	36225000.00	17804000.00	748000.00	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			
## 151	25494000.00	12937000.00	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			
## 154	77770317.00	45440975.00	9989736.00	7974829.00	1510588.00	253567.00			
## 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			
## 158	47004112.00	42085969.00	31045095.00	24404499.00	8350867.00	4393685.00			
## 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			
## 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			
## 164	26159447.00	10862245.00	7216064.00	4227432.00	1472169.00	736304.00			
## 165	63111464.00	45923128.00	26211946.00	16719565.00	11606353.00	5758458.00			
##	l17.5	l18	l18.5	l19	l19.5	l20	l20.5	l21	l21.5
## 1	0.00	0	0	0	0	0.00	0	0	0
## 2	0.00	0	0	0	0	0.00	0	0	0
## 3	1241000.00	571000	0	0	0	0.00	0	0	0
## 4	0.00	0	0	0	0	0.00	0	0	0
## 5	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
## 18	0.00	0	0	0	0	0.00	0	0	0
## 19	0.00	0	0	0	0	0.00	0	0	0
## 20	0.00	0	0	0	0	0.00	0	0	0
## 21	0.00	0	0	0	0	0.00	0	0	0



## 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
## 41	0.00	0	0	0	0	0.00	0	0	0
## 42	0.00	0	0	0	0	0.00	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	38000	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
## 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
## 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
## 97	0.00	0	0	0	0	0.00	0	0	0
## 98	59000.00	0	0	0	0	0.00	0	0	0
## 99	0.00	22000	0	0	0	0.00	0	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	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	0.00	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	0.00	0	0	0	0	0.00	0	0	0

```

## 128      0.00      0      0      0      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
## 134 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
## 140 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
## 143 919000.00      0      0      0      0      0.00      0      0      0
## 144 341000.00      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      0.00      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
## 152 2195376.04      0      0      0      0      0.00      0      0      0
## 153 2872261.00 511848      0      0      0      0.00      0      0      0
## 154 333952.00 117822      0      0      0      0.00      0      0      0
## 155 1351992.00 675996      0      0      0      0.00      0      0      0
## 156 4856851.00 664495 124201      0      0      0.00      0      0      0
## 157 17185.00      0      0      0      0      0.00      0      0      0
## 158 1373845.00 148199      0      0      0      0.00      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
## 161    175.00      0      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      0      0.00      0      0      0
## 164 148891.00      0      0      0      0      0.00      0      0      0
## 165 1565023.00 320274      0      0      0      0.00      0      0      0

```

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$dat$age_info
## NULL
inputs$dat$agecomp
## NULL

```

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
```