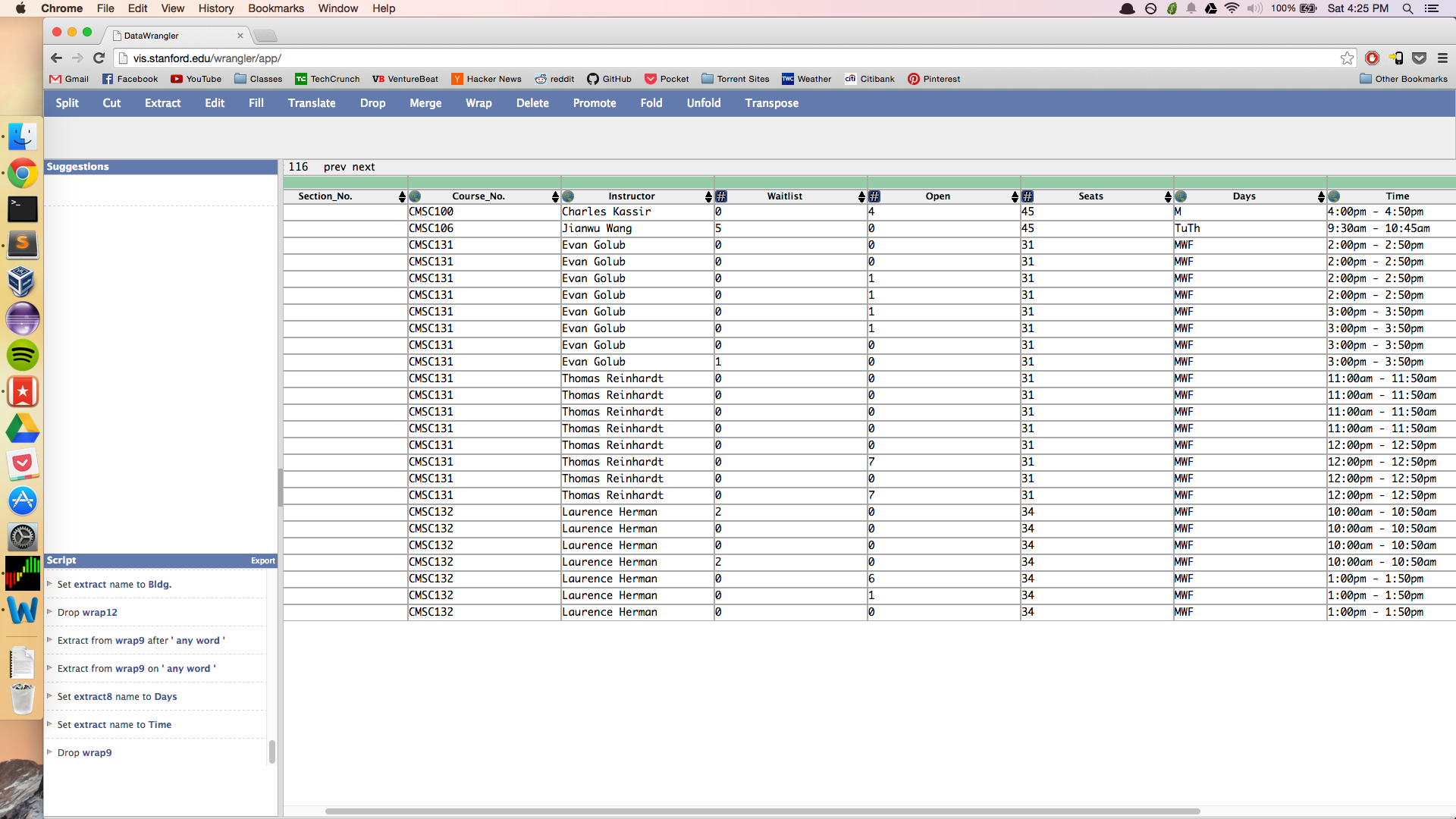
**Lab 4 Submission**

**Data Wrangler Script and Screenshot: CMSC**



from wrangler import dw

import sys

if(len(sys.argv) < 3):

sys.exit('Error: Please include an input and output file. Example python script.py input.csv output.csv')

w = dw.DataWrangler()

# Split data repeatedly on newline into rows

w.add(dw.Split(column=["data"],

table=0,

status="active",

drop=True,

result="row",

update=False,

insert\_position="right",

row=None,

on="\n",

before=None,

after=None,

ignore\_between=None,

which=1,

max=0,

positions=None,

quote\_character=None))

# Extract from data on 'CMSC any number '

w.add(dw.Extract(column=["data"],

table=0,

status="active",

drop=False,

result="column",

update=False,

insert\_position="right",

row=None,

on="CMSC\\d+",

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None))

# Cut from data on 'CMSC any number '

w.add(dw.Cut(column=["data"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=None,

on="CMSC\\d+",

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None))

# Fill extract with values from above

w.add(dw.Fill(column=["extract"],

table=0,

status="active",

drop=False,

direction="down",

method="copy",

row=None))

# Delete rows where data is null

w.add(dw.Filter(column=[],

table=0,

status="active",

drop=False,

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.IsNull(column=[],

table=0,

status="active",

drop=False,

lcol="data",

value=None,

op\_str="is null")])))

# Extract from data on '{begin} any number {end}'

w.add(dw.Extract(column=["data"],

table=0,

status="active",

drop=False,

result="column",

update=False,

insert\_position="right",

row=None,

on="^\\d+$",

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None))

# Fill extract1 with values from above

w.add(dw.Fill(column=["extract1"],

table=0,

status="active",

drop=False,

direction="down",

method="copy",

row=None))

# Cut from data on '{begin} any number {end}'

w.add(dw.Cut(column=["data"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=None,

on="^\\d+$",

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None))

# Wrap rows where data is null

w.add(dw.Wrap(column=[],

table=0,

status="active",

drop=False,

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.IsNull(column=[],

table=0,

status="active",

drop=False,

lcol="data",

value=None,

op\_str="is null")])))

# Drop wrap

w.add(dw.Drop(column=["wrap"],

table=0,

status="active",

drop=True))

# Drop wrap13

w.add(dw.Drop(column=["wrap13"],

table=0,

status="active",

drop=True))

# Drop wrap14

w.add(dw.Drop(column=["wrap14"],

table=0,

status="active",

drop=True))

# Drop wrap11

w.add(dw.Drop(column=["wrap11"],

table=0,

status="active",

drop=True))

# Drop wrap10

w.add(dw.Drop(column=["wrap10"],

table=0,

status="active",

drop=True))

# Drop wrap8

w.add(dw.Drop(column=["wrap8"],

table=0,

status="active",

drop=True))

# Drop wrap7

w.add(dw.Drop(column=["wrap7"],

table=0,

status="active",

drop=True))

# Drop wrap5

w.add(dw.Drop(column=["wrap5"],

table=0,

status="active",

drop=True))

# Drop wrap4

w.add(dw.Drop(column=["wrap4"],

table=0,

status="active",

drop=True))

# Set wrap1 name to Section No.

w.add(dw.SetName(column=["wrap1"],

table=0,

status="active",

drop=True,

names=["Section No."],

header\_row=None))

# Set wrap2 name to Course No.

w.add(dw.SetName(column=["wrap2"],

table=0,

status="active",

drop=True,

names=["Course No."],

header\_row=None))

# Set wrap3 name to Instructor

w.add(dw.SetName(column=["wrap3"],

table=0,

status="active",

drop=True,

names=["Instructor"],

header\_row=None))

# Extract from wrap6 on 'Total: any number '

w.add(dw.Extract(column=["wrap6"],

table=0,

status="active",

drop=False,

result="column",

update=False,

insert\_position="right",

row=None,

on="Total: \\d+",

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None))

# Extract from wrap6 on 'Open: any number '

w.add(dw.Extract(column=["wrap6"],

table=0,

status="active",

drop=False,

result="column",

update=False,

insert\_position="right",

row=None,

on="Open: \\d+",

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None))

# Extract from wrap6 on 'Waitlist: any number '

w.add(dw.Extract(column=["wrap6"],

table=0,

status="active",

drop=False,

result="column",

update=False,

insert\_position="right",

row=None,

on="Waitlist: \\d+",

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None))

# Drop wrap6

w.add(dw.Drop(column=["wrap6"],

table=0,

status="active",

drop=True))

# Extract from extract3 on ' any number '

w.add(dw.Extract(column=["extract3"],

table=0,

status="active",

drop=False,

result="column",

update=False,

insert\_position="right",

row=None,

on="\\d+",

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None))

# Drop extract3

w.add(dw.Drop(column=["extract3"],

table=0,

status="active",

drop=True))

# Set extract4 name to Waitlist

w.add(dw.SetName(column=["extract4"],

table=0,

status="active",

drop=True,

names=["Waitlist"],

header\_row=None))

# Extract from extract2 on ' any number '

w.add(dw.Extract(column=["extract2"],

table=0,

status="active",

drop=False,

result="column",

update=False,

insert\_position="right",

row=None,

on="\\d+",

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None))

# Drop extract2

w.add(dw.Drop(column=["extract2"],

table=0,

status="active",

drop=True))

# Set extract5 name to Open

w.add(dw.SetName(column=["extract5"],

table=0,

status="active",

drop=True,

names=["Open"],

header\_row=None))

# Extract from extract on ' any number '

w.add(dw.Extract(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=False,

insert\_position="right",

row=None,

on="\\d+",

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None))

# Drop extract

w.add(dw.Drop(column=["extract"],

table=0,

status="active",

drop=True))

# Set extract6 name to Seats

w.add(dw.SetName(column=["extract6"],

table=0,

status="active",

drop=True,

names=["Seats"],

header\_row=None))

# Extract from wrap12 on ' any uppercase word '

w.add(dw.Extract(column=["wrap12"],

table=0,

status="active",

drop=False,

result="column",

update=False,

insert\_position="right",

row=None,

on="[A-Z]+",

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None))

# Extract from wrap12 on ' any number '

w.add(dw.Extract(column=["wrap12"],

table=0,

status="active",

drop=False,

result="column",

update=False,

insert\_position="right",

row=None,

on="\\d+",

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None))

# Set extract7 name to Room No.

w.add(dw.SetName(column=["extract7"],

table=0,

status="active",

drop=True,

names=["Room No."],

header\_row=None))

# Set extract name to Bldg.

w.add(dw.SetName(column=["extract"],

table=0,

status="active",

drop=True,

names=["Bldg."],

header\_row=None))

# Drop wrap12

w.add(dw.Drop(column=["wrap12"],

table=0,

status="active",

drop=True))

# Extract from wrap9 after ' any word '

w.add(dw.Extract(column=["wrap9"],

table=0,

status="active",

drop=False,

result="column",

update=False,

insert\_position="right",

row=None,

on=".\*",

before=None,

after="[a-zA-Z]+ ",

ignore\_between=None,

which=1,

max=1,

positions=None))

# Extract from wrap9 on ' any word '

w.add(dw.Extract(column=["wrap9"],

table=0,

status="active",

drop=False,

result="column",

update=False,

insert\_position="right",

row=None,

on="[a-zA-Z]+",

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None))

# Set extract8 name to Days

w.add(dw.SetName(column=["extract8"],

table=0,

status="active",

drop=True,

names=["Days"],

header\_row=None))

# Set extract name to Time

w.add(dw.SetName(column=["extract"],

table=0,

status="active",

drop=True,

names=["Time"],

header\_row=None))

# Drop wrap9

w.add(dw.Drop(column=["wrap9"],

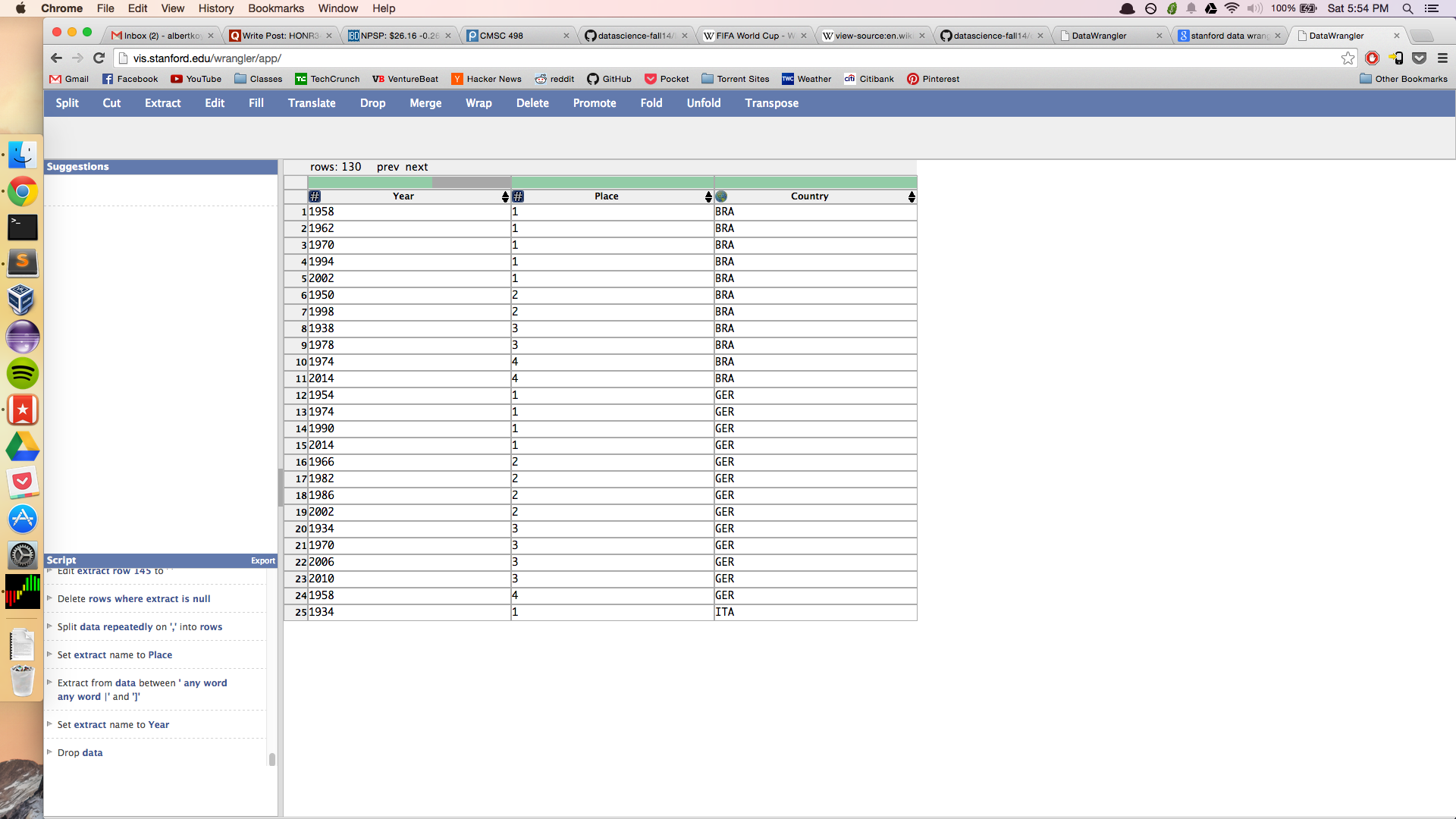
table=0,

status="active",

drop=True))

w.apply\_to\_file(sys.argv[1]).print\_csv(sys.argv[2])

**Data Wrangler Script and Screenshot: World Cup 1**

****

from wrangler import dw

import sys

if(len(sys.argv) < 3):

sys.exit('Error: Please include an input and output file. Example python script.py input.csv output.csv')

w = dw.DataWrangler()

# Split data repeatedly on '|\-' into rows

w.add(dw.Split(column=["data"],

table=0,

status="active",

drop=True,

result="row",

update=False,

insert\_position="right",

row=None,

on="\\|\\-",

before=None,

after=None,

ignore\_between=None,

which=1,

max=0,

positions=None,

quote\_character=None))

# Delete row 1

w.add(dw.Filter(column=[],

table=0,

status="active",

drop=False,

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[0])])))

# Extract from data on ' any uppercase word '

w.add(dw.Extract(column=["data"],

table=0,

status="active",

drop=False,

result="column",

update=False,

insert\_position="right",

row=None,

on="[A-Z]+",

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None))

# Set extract name to Country

w.add(dw.SetName(column=["extract"],

table=0,

status="active",

drop=True,

names=["Country"],

header\_row=None))

# Split data repeatedly on newline into rows

w.add(dw.Split(column=["data"],

table=0,

status="active",

drop=True,

result="row",

update=False,

insert\_position="right",

row=None,

on="\n",

before=None,

after=None,

ignore\_between=None,

which=1,

max="0",

positions=None,

quote\_character=None))

# Delete rows where data is null

w.add(dw.Filter(column=[],

table=0,

status="active",

drop=False,

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.IsNull(column=[],

table=0,

status="active",

drop=False,

lcol="data",

value=None,

op\_str="is null")])))

# Extract from data between positions 0, 1

w.add(dw.Extract(column=["data"],

table=0,

status="active",

drop=False,

result="column",

update=False,

insert\_position="right",

row=None,

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=[0,1]))

# Edit extract row 5 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[4])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 3 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[2])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 2 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[1])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 4 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[3])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 1 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[0])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 6 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[5])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 7 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[6])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 8 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[7])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 9 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[8])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 10 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[9])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 11 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[10])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 12 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[11])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 13 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[12])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 14 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[13])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 16 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[15])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 15 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[14])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 17 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[16])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 18 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[17])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 19 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[18])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 20 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[19])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 21 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[20])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 22 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[21])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 23 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[22])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 24 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[23])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 25 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[24])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 26 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[25])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 27 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[26])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 28 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[27])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 29 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[28])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 30 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[29])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 31 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[30])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 32 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[31])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 33 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[32])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 34 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[33])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 35 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[34])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 36 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[35])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 37 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[36])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 38 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[37])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 39 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[38])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 40 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[39])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 41 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[40])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 42 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[41])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 43 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[42])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 45 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[44])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 44 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[43])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 46 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[45])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 47 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[46])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 48 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[47])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 49 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[48])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 50 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[49])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 51 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[50])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 52 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[51])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 53 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[52])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 54 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[53])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 55 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[54])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 56 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[55])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 57 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[56])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 58 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[57])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 59 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[58])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 60 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[59])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 61 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[60])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 62 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[61])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 63 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[62])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 64 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[63])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 65 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[64])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 66 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[65])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 67 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[66])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 68 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[67])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 69 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[68])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 70 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[69])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 71 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[70])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 72 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[71])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 73 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[72])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 74 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[73])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 75 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[74])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 76 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[75])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 77 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[76])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 78 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[77])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 79 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[78])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 80 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[79])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 81 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[80])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 82 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[81])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 83 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[82])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 84 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[83])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 85 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[84])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 86 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[85])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 87 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[86])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 88 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[87])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 89 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[88])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 90 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[89])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 91 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[90])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 92 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[91])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 93 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[92])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 94 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[93])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 95 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[94])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 96 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[95])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 97 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[96])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 98 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[97])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 99 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[98])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 100 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[99])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 101 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[100])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 102 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[101])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 103 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[102])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 104 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[103])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 105 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[104])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 106 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[105])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 107 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[106])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 108 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[107])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 109 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[108])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 110 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[109])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 111 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[110])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 112 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[111])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 113 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[112])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 114 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[113])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 115 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[114])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 116 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[115])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 117 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[116])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 118 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[117])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 119 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[118])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 120 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[119])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 121 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[120])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 122 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[121])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 123 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[122])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 124 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[123])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 125 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[124])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 126 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[125])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 127 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[126])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 128 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[127])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 129 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[128])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 130 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[129])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 131 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[130])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 132 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[131])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 133 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[132])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 134 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[133])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 135 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[134])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 136 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[135])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 137 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[136])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 138 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[137])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 139 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[138])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 140 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[139])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 141 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[140])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 142 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[141])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 143 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[142])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 144 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[143])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 145 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[144])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Delete rows where extract is null

w.add(dw.Filter(column=[],

table=0,

status="active",

drop=False,

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.IsNull(column=[],

table=0,

status="active",

drop=False,

lcol="extract",

value=None,

op\_str="is null")])))

# Split data repeatedly on ',' into rows

w.add(dw.Split(column=["data"],

table=0,

status="active",

drop=True,

result="row",

update=False,

insert\_position="right",

row=None,

on=",",

before=None,

after=None,

ignore\_between=None,

which=1,

max="0",

positions=None,

quote\_character=None))

# Set extract name to Place

w.add(dw.SetName(column=["extract"],

table=0,

status="active",

drop=True,

names=["Place"],

header\_row=None))

# Extract from data between ' any word any word |' and ']'

w.add(dw.Extract(column=["data"],

table=0,

status="active",

drop=False,

result="column",

update=False,

insert\_position="right",

row=None,

on=".\*",

before="]",

after="[a-zA-Z]+[a-zA-Z]+\\|",

ignore\_between=None,

which=1,

max=1,

positions=None))

# Set extract name to Year

w.add(dw.SetName(column=["extract"],

table=0,

status="active",

drop=True,

names=["Year"],

header\_row=None))

# Drop data

w.add(dw.Drop(column=["data"],

table=0,

status="active",

drop=True))

# Delete rows where Year is null

w.add(dw.Filter(column=[],

table=0,

status="active",

drop=False,

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.IsNull(column=[],

table=0,

status="active",

drop=False,

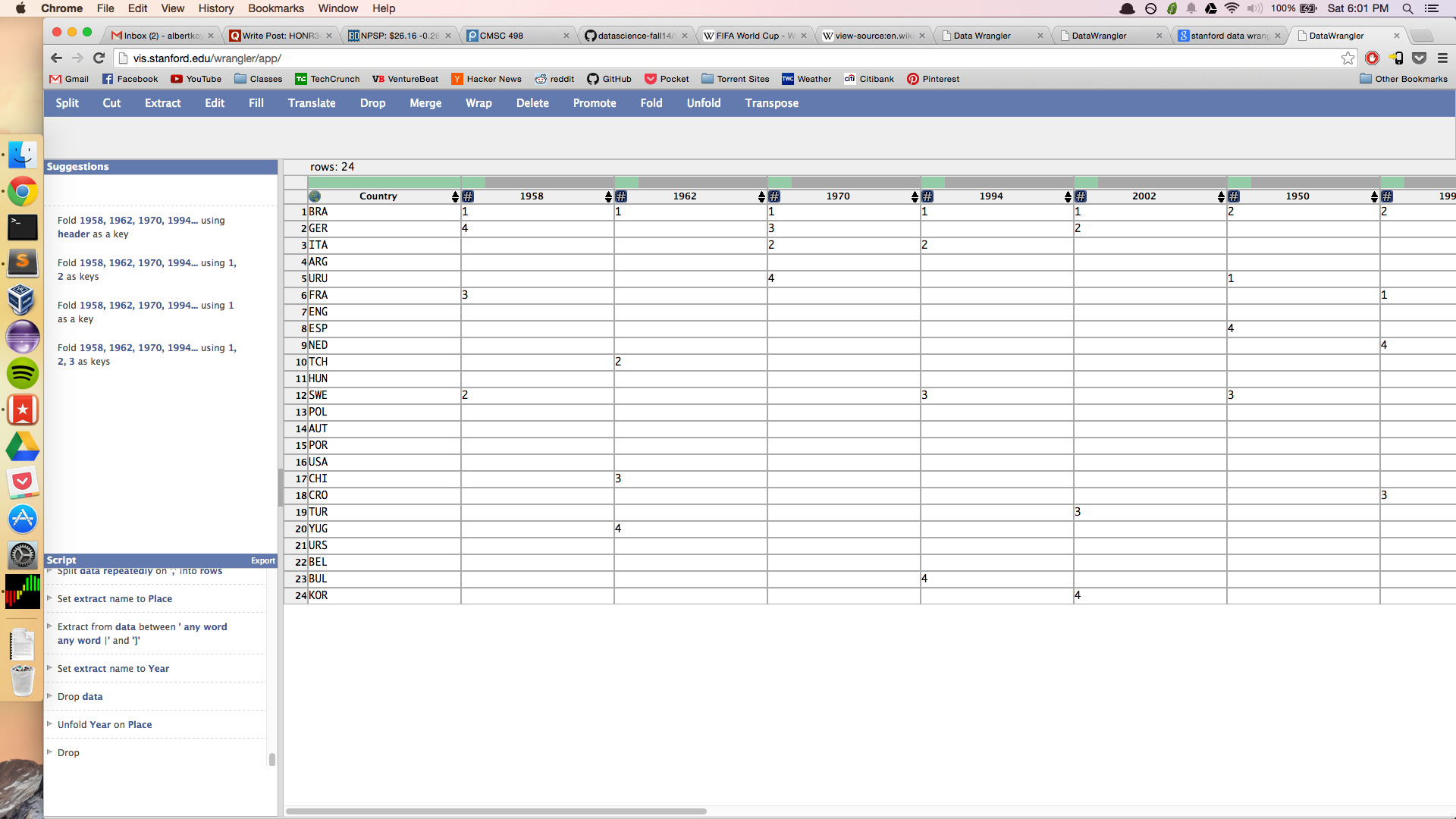
lcol="Year",

value=None,

op\_str="is null")])))

w.apply\_to\_file(sys.argv[1]).print\_csv(sys.argv[2])

**Data Wrangler Script and Screenshot: World Cup 2**

****

from wrangler import dw

import sys

if(len(sys.argv) < 3):

sys.exit('Error: Please include an input and output file. Example python script.py input.csv output.csv')

w = dw.DataWrangler()

# Split data repeatedly on '|\-' into rows

w.add(dw.Split(column=["data"],

table=0,

status="active",

drop=True,

result="row",

update=False,

insert\_position="right",

row=None,

on="\\|\\-",

before=None,

after=None,

ignore\_between=None,

which=1,

max=0,

positions=None,

quote\_character=None))

# Delete row 1

w.add(dw.Filter(column=[],

table=0,

status="active",

drop=False,

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[0])])))

# Extract from data on ' any uppercase word '

w.add(dw.Extract(column=["data"],

table=0,

status="active",

drop=False,

result="column",

update=False,

insert\_position="right",

row=None,

on="[A-Z]+",

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None))

# Set extract name to Country

w.add(dw.SetName(column=["extract"],

table=0,

status="active",

drop=True,

names=["Country"],

header\_row=None))

# Split data repeatedly on newline into rows

w.add(dw.Split(column=["data"],

table=0,

status="active",

drop=True,

result="row",

update=False,

insert\_position="right",

row=None,

on="\n",

before=None,

after=None,

ignore\_between=None,

which=1,

max="0",

positions=None,

quote\_character=None))

# Delete rows where data is null

w.add(dw.Filter(column=[],

table=0,

status="active",

drop=False,

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.IsNull(column=[],

table=0,

status="active",

drop=False,

lcol="data",

value=None,

op\_str="is null")])))

# Extract from data between positions 0, 1

w.add(dw.Extract(column=["data"],

table=0,

status="active",

drop=False,

result="column",

update=False,

insert\_position="right",

row=None,

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=[0,1]))

# Edit extract row 5 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[4])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 3 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[2])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 2 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[1])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 4 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[3])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 1 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[0])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 6 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[5])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 7 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[6])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 8 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[7])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 9 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[8])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 10 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[9])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 11 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[10])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 12 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[11])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 13 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[12])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 14 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[13])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 16 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[15])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 15 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[14])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 17 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[16])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 18 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[17])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 19 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[18])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 20 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[19])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 21 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[20])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 22 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[21])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 23 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[22])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 24 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[23])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 25 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[24])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 26 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[25])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 27 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[26])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 28 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[27])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 29 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[28])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 30 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[29])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 31 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[30])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 32 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[31])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 33 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[32])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 34 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[33])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 35 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[34])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 36 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[35])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 37 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[36])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 38 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[37])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 39 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[38])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 40 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[39])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 41 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[40])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 42 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[41])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 43 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[42])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 45 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[44])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 44 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[43])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 46 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[45])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 47 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[46])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 48 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[47])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 49 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[48])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 50 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[49])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 51 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[50])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 52 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[51])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 53 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[52])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 54 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[53])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 55 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[54])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 56 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[55])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 57 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[56])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 58 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[57])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 59 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[58])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 60 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[59])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 61 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[60])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 62 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[61])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 63 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[62])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 64 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[63])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 65 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[64])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 66 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[65])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 67 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[66])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 68 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[67])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 69 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[68])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 70 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[69])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 71 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[70])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 72 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[71])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 73 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[72])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 74 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[73])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 75 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[74])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 76 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[75])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 77 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[76])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 78 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[77])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 79 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[78])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 80 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[79])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 81 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[80])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 82 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[81])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 83 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[82])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 84 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[83])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 85 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[84])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 86 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[85])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 87 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[86])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 88 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[87])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 89 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[88])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 90 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[89])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 91 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[90])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 92 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[91])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 93 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[92])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 94 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[93])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 95 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[94])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 96 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[95])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 97 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[96])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 98 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[97])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 99 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[98])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 100 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[99])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 101 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[100])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 102 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[101])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 103 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[102])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 104 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[103])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 105 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[104])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 106 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[105])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 107 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[106])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 108 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[107])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 109 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[108])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 110 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[109])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 111 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[110])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 112 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[111])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 113 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[112])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 114 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[113])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 115 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[114])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 116 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[115])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 117 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[116])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 118 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[117])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 119 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[118])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 120 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[119])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 121 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[120])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 122 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[121])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 123 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[122])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 124 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[123])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 125 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[124])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 126 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[125])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 127 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[126])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 128 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[127])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 129 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[128])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 130 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[129])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 131 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[130])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 132 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[131])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 133 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[132])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 134 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[133])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 135 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[134])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 136 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[135])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 137 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[136])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 138 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[137])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 139 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[138])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 140 to ' 1 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[139])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="1",

update\_method=None))

# Edit extract row 141 to ' 2 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[140])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="2",

update\_method=None))

# Edit extract row 142 to ' 3 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[141])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="3",

update\_method=None))

# Edit extract row 143 to ' 4 '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[142])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="4",

update\_method=None))

# Edit extract row 144 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[143])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Edit extract row 145 to ' '

w.add(dw.Edit(column=["extract"],

table=0,

status="active",

drop=False,

result="column",

update=True,

insert\_position="right",

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.RowIndex(column=[],

table=0,

status="active",

drop=False,

indices=[144])]),

on=None,

before=None,

after=None,

ignore\_between=None,

which=1,

max=1,

positions=None,

to="",

update\_method=None))

# Delete rows where extract is null

w.add(dw.Filter(column=[],

table=0,

status="active",

drop=False,

row=dw.Row(column=[],

table=0,

status="active",

drop=False,

conditions=[dw.IsNull(column=[],

table=0,

status="active",

drop=False,

lcol="extract",

value=None,

op\_str="is null")])))

# Split data repeatedly on ',' into rows

w.add(dw.Split(column=["data"],

table=0,

status="active",

drop=True,

result="row",

update=False,

insert\_position="right",

row=None,

on=",",

before=None,

after=None,

ignore\_between=None,

which=1,

max="0",

positions=None,

quote\_character=None))

# Set extract name to Place

w.add(dw.SetName(column=["extract"],

table=0,

status="active",

drop=True,

names=["Place"],

header\_row=None))

# Extract from data between ' any word any word |' and ']'

w.add(dw.Extract(column=["data"],

table=0,

status="active",

drop=False,

result="column",

update=False,

insert\_position="right",

row=None,

on=".\*",

before="]",

after="[a-zA-Z]+[a-zA-Z]+\\|",

ignore\_between=None,

which=1,

max=1,

positions=None))

# Set extract name to Year

w.add(dw.SetName(column=["extract"],

table=0,

status="active",

drop=True,

names=["Year"],

header\_row=None))

# Drop data

w.add(dw.Drop(column=["data"],

table=0,

status="active",

drop=True))

# Unfold Year on Place

w.add(dw.Unfold(column=["Year"],

table=0,

status="active",

drop=False,

measure="Place"))

# Drop

w.add(dw.Drop(column=["\_"],

table=0,

status="active",

drop=True))

w.apply\_to\_file(sys.argv[1]).print\_csv(sys.argv[2])

**UNIX Tools Command: CMSC**

cat cmsc.txt | grep -v '^$' | sed 's/^Seats (Total: \([0-9]\*\), Open: \([0-9]\*\), Waitlist: \([0-9]\*\).\*/\1,\2,\3/' | sed 's/^\([MWFTuh]\*\) \(.\*m\)/\1,\2/' | sed 's/\([A-Z]\*\) \([0-9]\*\)/\1,\2/' | awk '/^CMSC[0-9]+$/ {print course; course = $0}

/^[0-9]+$/ {print combined; combined = $0}

!/^[0-9]+$|^CMSC[0-9]+$/ {combined = combined","$0}

END {print combined}' | grep -v '^$' | awk '/^CMSC[0-9]+$/ {course = $0} !/^CMSC[0-9]+$/ {print course","$0}'

**UNIX Tools Command: World Cup 1**

cat worldcup.txt | grep -v '^|-\|!\||\d\*||\||}' | sed 's/^.\*{{fb|\([A-Z]\*\).\*/\1/' | awk '/^[A-Z]+$/ {country = $0; place = 0} !/^[A-Z]+$/ {place = place + 1} /\|[0-9]+\]\]/ {len = split($0,a,",");

for (i = 1; i <= len; i++) {

print country","a[i]","place}

}' | sed 's/^\([A-Z]\*\).\*|\([0-9]\*\)\]\].\*\([1-4]\)$/\1,\2,\3/'

**Python Script: CMSC**

import sys

import re

if len(sys.argv) is not 2:

print "Invalid number of arguments. Usage: 'python part3\_cmsc.py cmsc.txt'"

file = open(sys.argv[1], 'r')

current\_line = ""

for line in file:

# current course

course\_match = re.match(r"^(CMSC\d+)$", line)

section\_match = re.match(r"(\d{4})$", line)

instructor\_match = re.match(r"^([a-zA-Z\s:]+)\n$", line)

seats\_match = re.match(r"^Seats.\*?(\d+),.\*?(\d+),.\*?(\d+)", line)

time\_match = re.match(r"^([MWFTuh]+)\s+(.\*)$", line)

building\_match = re.match(r"^([A-Z]+)\s+(\d+)$", line)

if course\_match:

course = course\_match.group(1)

# current section

elif section\_match:

current\_line = course + "," + section\_match.group(1) + ","

elif instructor\_match:

current\_line += instructor\_match.group(1).strip() + ","

elif seats\_match:

current\_line += seats\_match.group(1) + "," + seats\_match.group(2) + "," + seats\_match.group(3) + ","

elif time\_match:

current\_line += time\_match.group(1) + "," + time\_match.group(2) + ","

elif building\_match:

current\_line += building\_match.group(1) + "," + building\_match.group(2)

print current\_line

**Python Script: World Cup 1**

import sys

import re

if len(sys.argv) is not 2:

print "Invalid number of arguments. Usage: 'python part3\_worldcup1.py worldcup.txt'"

file = open(sys.argv[1], 'r')

current\_line = ""

for line in file:

junk\_match = re.match(r"^\|-|!|\|\d\*\|\||\|\}", line)

country\_match = re.match(r"^.\*\{\{fb\|([A-Z]\*).\*$", line)

if not junk\_match:

if country\_match:

country = country\_match.group(1)

place = 0

else:

place += 1

for result in line.split(','):

year\_match = re.match(r"^.\*?\|(\d{4})\]\]", result)

if year\_match:

print country + "," + year\_match.group(1) + "," + str(place)

**Python Script: World Cup 2**

import sys

import re

import pandas as pd

if len(sys.argv) is not 2:

print "Invalid number of arguments. Usage: 'python part3\_worldcup1.py worldcup.txt'"

file = open(sys.argv[1], 'r')

data = []

current\_line = ""

for line in file:

junk\_match = re.match(r"^\|-|!|\|\d\*\|\||\|\}", line)

country\_match = re.match(r"^.\*\{\{fb\|([A-Z]\*).\*$", line)

if not junk\_match:

if country\_match:

country = country\_match.group(1)

place = 0

else:

place += 1

for result in line.split(','):

year\_match = re.match(r"^.\*?\|(\d{4})\]\]", result)

if year\_match:

data.append({"Country": country, "Year": int(year\_match.group(1)), "Place": place})

pd.set\_option('display.max\_columns', None)

pd.set\_option('display.max\_rows', None)

table = pd.DataFrame(data).pivot('Year', 'Country')

print table