

clq0w0n2a

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## 1 Inicializa contexto Spark

```
[0]: # Import PySpark libraries
from pyspark import SparkContext, SparkConf
from pyspark.sql import SparkSession
#from pyspark import SparkContext

# Obtener la sesión de Spark en Databricks (NO creamos un nuevo SparkContext)
spark = SparkSession.builder.appName("Ejercicios RDD").getOrCreate()

# Obtener el SparkContext ya existente desde SparkSession
sc = spark.sparkContext # Usa el SparkContext que ya existe

print(sc)

# Initialize SparkConf
conf = SparkConf().setMaster("local[*]").setAppName("Ejercicios RDD")

conf.set("spark.hadoop.fs.defaultFS", "file:///") # Sistema de archivos local
conf.set("spark.hadoop.io.file.buffer.size", "4096")

# Initialize SparkContext
# sc = SparkContext(conf = conf)
```

<SparkContext master=local[8] appName=Databricks Shell>

Out[1]: <pyspark.conf.SparkConf at 0x7f00c041c250>

## 2 1. Crea un RDD y visualiza su contenido

Ejercicio

Crea un RDD con los nombres de países más visitados del mundo. Muestra su contenido.

Datos

países = ["Francia", "España", "Estados Unidos", "China", "Italia", "Turquía"]

Tarea - Crear un RDD a partir de la lista de países (usar función parallelize de SparkContext). -  
Mostrar su contenido usando collect().

```
[0]: # Datos
países = ["Francia", "España", "Estados Unidos", "China", "Italia", "Turquía"]

# Tarea
# - Crear un RDD con la lista.
rdd = sc.parallelize(países)

# - Mostrar su contenido usando collect(). collect() es una acción que recupera
    ↪ todos los elementos del RDD y los devuelve como una lista.
rdd.collect()
```

Out[2]: ['Francia', 'España', 'Estados Unidos', 'China', 'Italia', 'Turquía']

## 3 2. map(): Transformar datos

Aplica una función a cada elemento del RDD y devuelve un nuevo RDD.

- <https://spark.apache.org/docs/latest/api/python/reference/api/pyspark.RDD.map.html>

Ejercicio

Tenemos las temperaturas promedio (en °C) de las principales ciudades del mundo en una lista. Convierte estas temperaturas a grados Fahrenheit.

Datos

temperaturas\_c = [20, 15, 30, 25, 10]

Tarea - Crear un RDD con las temperaturas. - Convertir cada temperatura de °C a °F usando la fórmula:  $(^{\circ}\text{C} \times 9/5) + 32$ .

```
[0]: # Datos
temperaturas_c = [20, 15, 30, 25, 10]

# Tarea
# - Crear un RDD con las temperaturas
rdd_temperaturas = sc.parallelize(temperaturas_c)

# - Convertir temperaturas a grados Fahrenheit
rdd_temperaturas_f = rdd_temperaturas.map(lambda temp: (temp, (temp * 9/5) +
    ↪ 32))

# - Mostrar su contenido usando collect()
print("Temperaturas en °C y su equivalente en °F:")
print(rdd_temperaturas_f.collect())
```

Temperaturas en °C y su equivalente en °F:

[(20, 68.0), (15, 59.0), (30, 86.0), (25, 77.0), (10, 50.0)]

## 4 3. filter(): Filtrar datos

Devuelve un nuevo RDD que contiene solo los elementos que cumplen con la condición dada.

- <https://spark.apache.org/docs/latest/api/python/reference/api/pyspark.RDD.filter.html>

Ejercicio

De una lista de alturas de montañas (en metros), selecciona solo las montañas que superen los 3000 metros.

Datos

```
alturas_montanas = [8848, 8611, 2825, 4500, 1500, 3100]
```

Tarea - Crear un RDD con las alturas. - Filtrar las alturas mayores a 3000 metros.

```
[0]: # Datos
alturas_montanas = [8848, 8611, 2825, 4500, 1500, 3100]

# Tarea
# - Crear un rdd con las alturas
rdd_alturas = sc.parallelize(alturas_montanas)

# - Filtrar las alturas mayores que 3000
rdd_alturas_filtradas = rdd_alturas.filter(lambda h: h > 3000)
# - Mostrar su contenido usando collect()
print("Alturas mayores a 3000 metros:")
print(rdd_alturas_filtradas.collect())
```

Alturas mayores a 3000 metros:

```
[8848, 8611, 4500, 3100]
```

## 5 4. flatMap(): Generar múltiples elementos por entrada

Similar a map, pero cada elemento de entrada puede ser mapeado a cero o más elementos de salida (aplana el resultado).

- <https://spark.apache.org/docs/latest/api/python/reference/api/pyspark.RDD.flatMap.html>

Ejercicio

Divide las siguientes frases en palabras individuales.

Datos

```
frases = ["El león es el rey de la selva", "Los elefantes son los mamíferos terrestres más grandes", "Las ballenas son gigantes del océano"]
```

Tarea - Crear un RDD con las frases. - Usar flatMap para dividir cada frase en palabras (la función split divide una cadena por el separador indicado).

```
[0]: # Datos
frases = ["El león es el rey de la selva", "Los elefantes son los mamíferos_
↳terrestres más grandes", "Las ballenas son gigantes del océano"]
```

```

# Tarea
# - Crear un rdd con las frases
rdd_frases = sc.parallelize(frases)

# - Dividir cada frase en palabras
# - Usar flatMap para dividir cada frase en palabras
# La función split() separa la cadena por espacios
rdd_palabras = rdd_frases.flatMap(lambda frase: frase.split(" "))

# - Mostrar su contenido usando collect()
print("Palabras individuales:")
print(rdd_palabras.collect())

```

Palabras individuales:

```

['El', 'león', 'es', 'el', 'rey', 'de', 'la', 'selva', 'Los', 'elefantes',
'son', 'los', 'mamíferos', 'terrestres', 'más', 'grandes', 'Las', 'ballenas',
'son', 'gigantes', 'del', 'océano']

```

## 6 5. reduce(): Agregar valores

Agrega los elementos del RDD usando una función de reducción (combinación).

- <https://spark.apache.org/docs/latest/api/python/reference/api/pyspark.RDD.reduce.html>

Ejercicio

Calcula el total de puntos de una temporada de un equipo de fútbol sumando los puntos de cada partido.

Datos puntos\_partidos = [3, 1, 0, 3, 3, 1]

Tarea - Crear un RDD con los puntos de cada partido. - Usar reduce para obtener la suma total de puntos.

```

[0]: # Datos
puntos_partidos = [3, 1, 0, 3, 3, 1]

# Tarea
# - Crear un RDD con los puntos de cada partido.
rdd_puntos = sc.parallelize(puntos_partidos)

# - Usar reduce para obtener la suma total de puntos.
total_puntos = rdd_puntos.reduce(lambda a, b: a + b)

# - Imprimir resultado
print("La suma total de puntos es:", total_puntos)

```

La suma total de puntos es: 11

## 7 6. groupBy(): Agrupar datos

Agrupar los elementos del RDD usando una función de agrupamiento.

- <https://spark.apache.org/docs/latest/api/python/reference/api/pyspark.RDD.groupBy.html>

Ejercicio

Agrupar los nombres de animales según su longitud (número de letras).

Datos

animales = ["gato", "elefante", "perro", "jirafa", "pez", "león"]

Tarea - Crear un RDD con los nombres de los animales. - Agrupar los animales por la longitud de sus nombres (función len()).

```
[0]: # Datos
animales = ["gato", "elefante", "perro", "jirafa", "pez", "león"]

# Tarea
# - Crear un RDD con los nombres de los animales.
rdd_animales = sc.parallelize(animales)

# - Agrupar los animales por la longitud de sus nombres.
rdd_animales_agrupados = rdd_animales.groupBy(lambda animal: len(animal))
# - Convertir a lista con collect() y recorrer con un bucle para mostrar
    ↪ longitud y lista del iterable grupo

for longitud, grupo in rdd_animales_agrupados.collect():
    print(f"Longitud: {longitud}, grupo: {list(grupo)}")
```

```
Longitud: 8, grupo: ['elefante']
Longitud: 3, grupo: ['pez']
Longitud: 4, grupo: ['gato', 'león']
Longitud: 5, grupo: ['perro']
Longitud: 6, grupo: ['jirafa']
```

## 8 7. distinct(): Eliminar duplicados

Devuelve un nuevo RDD que contiene solo elementos distintos del RDD original.

- <https://spark.apache.org/docs/latest/api/python/reference/api/pyspark.RDD.distinct.html>

Ejercicio

Tienes una lista de destinos turísticos visitados por diferentes personas. Obtén una lista de destinos únicos.

Datos

destinos = ["París", "Nueva York", "Londres", "París", "Tokio", "Londres"]

Tarea - Crear un RDD con los destinos. - Obtener una lista de destinos únicos usando distinct().

```
[0]: # Datos
destinos = ["París", "Nueva York", "Londres", "París", "Tokio", "Londres"]

# Tarea
# - Crear un RDD con los destinos.
rdd_destinos = sc.parallelize(destinos)

# - Obtener una lista de destinos únicos usando distinct().
rdd_destinos_unicos = rdd_destinos.distinct()

# - Mostrar su contenido usando collect()
print("Destinos únicos:")
print(rdd_destinos_unicos.collect())
```

Destinos únicos:  
['París', 'Nueva York', 'Tokio', 'Londres']

## 9 8. sortBy(): Ordenar datos

Devuelve un nuevo RDD ordenado según una función de ordenamiento.

- <https://spark.apache.org/docs/latest/api/python/reference/api/pyspark.RDD.sortBy.html>

Ejercicio

Tienes una lista de edades de estudiantes. Ordena las edades de menor a mayor.

Datos

edades = [21, 19, 22, 20, 18, 23]

Tarea - Crear un RDD con las edades. - Ordenar las edades de menor a mayor usando sortBy().

```
[0]: # Datos
edades = [21, 19, 22, 20, 18, 23]

# Tarea
# - Crear un RDD con las edades.
rdd_edades = sc.parallelize(edades)

# - Ordenar las edades de menor a mayor usando sortBy().
rdd_edades_ordenadas = rdd_edades.sortBy(lambda x: x, ascending=True)

# - Mostrar su contenido usando collect()
print("Edades ordenadas de menor a mayor:")
print(rdd_edades_ordenadas.collect())
```

Edades ordenadas de menor a mayor:  
[18, 19, 20, 21, 22, 23]

## 10 9. count(): Contar elementos

Devuelve el número de elementos en el RDD.

- <https://spark.apache.org/docs/latest/api/python/reference/api/pyspark.RDD.count.html>

Calcula cuántos nombres hay en una lista de personas invitadas a una fiesta.

Datos

```
invitados = ["Carlos", "Ana", "Luis", "Sofía", "Carlos", "María"]
```

Tarea - Crear un RDD con los nombres de los invitados. - Contar cuántos nombres hay en total.

```
[0]: # Datos
invitados = ["Carlos", "Ana", "Luis", "Sofía", "Carlos", "María"]

# Tarea
# - Crear un RDD con los nombres de los invitados.
rdd_invitados = sc.parallelize(invitados)

# - Contar cuántos nombres hay en total.
total_invitados = rdd_invitados.count()

# - Imprimir el total de invitados
print("Total de invitados:", total_invitados)
```

Total de invitados: 6

## 11 10. take(): Obtener los primeros elementos

Devuelve una lista con los primeros n elementos del RDD.

- <https://spark.apache.org/docs/latest/api/python/reference/api/pyspark.RDD.take.html>

De una lista de puntuaciones de videojuegos, muestra las 3 puntuaciones más altas.

Datos

```
puntuaciones = [50, 80, 100, 40, 90, 70]
```

Tarea - Crear un RDD con las puntuaciones. - Mostrar las 3 puntuaciones más altas.

```
[0]: # Datos
puntuaciones = [50, 80, 100, 40, 90, 70]

# Tarea
# - Crear un RDD con las puntuaciones.
rdd_puntuaciones = sc.parallelize(puntuaciones)

# - Obtener un RDD con las 3 puntuaciones más altas.
top3 = rdd_puntuaciones.top(3)

# - Mostrar su contenido usando collect()
```

```
print("Las 3 puntuaciones más altas:", top3)
```

Las 3 puntuaciones más altas: [100, 90, 80]

## 12 11. saveAsTextFile(): Guardar resultados

Guarda el contenido del RDD como un archivo de texto en la ruta especificada.

- <https://spark.apache.org/docs/latest/api/python/reference/api/pyspark.RDD.saveAsTextFile.html>

De una lista de nombres de películas, guarda los nombres en un archivo de texto.

Datos

peliculas = ["Inception", "Avatar", "The Dark Knight", "Titanic", "Interstellar"]

Tarea - Crear un RDD con los nombres de las películas. - Guardar los nombres en un archivo de texto llamado "peliculas.txt".

```
[0]: # Datos
peliculas = ["Inception", "Avatar", "The Dark Knight", "Titanic",
            ↪ "Interstellar"]

# Tarea
# - Crear un RDD con los nombres de las películas.
rdd_peliculas = sc.parallelize(peliculas)

# - Guardar los nombres en un archivo de texto llamado "peliculas.txt".
rdd_peliculas.saveAsTextFile("file:///c:/users/acalv/peliculas.txt")
```

## 13 12. textFile(): Carga un fichero en un RDD

Lee un archivo de texto y lo convierte en un RDD.

- <https://spark.apache.org/docs/latest/api/python/reference/api/pyspark.SparkContext.textFile.html>

Tarea - Leer el fichero 1800.csv del directorio BDASpark ("file:///c:/BDASpark/1800.csv") - Mostrar las líneas

```
[0]: # - Leer el fichero 1800.csv del directorio BDASpark ("file:///c:/BDASpark/1800.
    ↪ csv")
# rdd_1800 = sc.textFile("file:///C:/BDASpark/1800.csv")
rdd_1800 = sc.textFile("dbfs:/FileStore/1800.csv")

# - Mostrar las líneas
lineas = rdd_1800.collect()
for linea in lineas:
    print(linea)
```

```
ITE00100554,18000101,TMAX,-75,,E,
ITE00100554,18000101,TMIN,-148,,E,
```



GM000010962,18000101,PRCP,0,,E,  
 EZE00100082,18000101,TMAX,-86,,E,  
 EZE00100082,18000101,TMIN,-135,,E,  
 ITE00100554,18000102,TMAX,-60,,I,E,  
 ITE00100554,18000102,TMIN,-125,,E,  
 GM000010962,18000102,PRCP,0,,E,  
 EZE00100082,18000102,TMAX,-44,,E,  
 EZE00100082,18000102,TMIN,-130,,E,  
 ITE00100554,18000103,TMAX,-23,,E,  
 ITE00100554,18000103,TMIN,-46,,I,E,  
 GM000010962,18000103,PRCP,4,,E,  
 EZE00100082,18000103,TMAX,-10,,E,  
 EZE00100082,18000103,TMIN,-73,,E,  
 ITE00100554,18000104,TMAX,0,,E,  
 ITE00100554,18000104,TMIN,-13,,E,  
 GM000010962,18000104,PRCP,0,,E,  
 EZE00100082,18000104,TMAX,-55,,E,  
 EZE00100082,18000104,TMIN,-74,,E,  
 ITE00100554,18000105,TMAX,10,,E,  
 ITE00100554,18000105,TMIN,-6,,E,  
 GM000010962,18000105,PRCP,0,,E,  
 EZE00100082,18000105,TMAX,-40,,E,  
 EZE00100082,18000105,TMIN,-58,,E,  
 ITE00100554,18000106,TMAX,13,,E,  
 ITE00100554,18000106,TMIN,13,,E,  
 GM000010962,18000106,PRCP,0,,E,  
 EZE00100082,18000106,TMAX,-39,,E,  
 EZE00100082,18000106,TMIN,-57,,E,  
 ITE00100554,18000107,TMAX,31,,E,  
 ITE00100554,18000107,TMIN,10,,E,  
 GM000010962,18000107,PRCP,0,,E,  
 EZE00100082,18000107,TMAX,-30,,E,  
 EZE00100082,18000107,TMIN,-50,,E,  
 ITE00100554,18000108,TMAX,29,,E,  
 ITE00100554,18000108,TMIN,14,,E,  
 GM000010962,18000108,PRCP,0,,E,  
 EZE00100082,18000108,TMAX,-1,,E,  
 EZE00100082,18000108,TMIN,-31,,E,  
 ITE00100554,18000109,TMAX,35,,E,  
 ITE00100554,18000109,TMIN,23,,E,  
 GM000010962,18000109,PRCP,0,,E,  
 EZE00100082,18000109,TMAX,5,,E,  
 EZE00100082,18000109,TMIN,-46,,E,  
 ITE00100554,18000110,TMAX,46,,E,  
 ITE00100554,18000110,TMIN,31,,E,  
 GM000010962,18000110,PRCP,0,,E,  
 EZE00100082,18000110,TMAX,-46,,E,  
 EZE00100082,18000110,TMIN,-75,,E,

ITE00100554,18000111,TMAX,66,,E,  
 ITE00100554,18000111,TMIN,41,,E,  
 GM000010962,18000111,PRCP,31,,E,  
 EZE00100082,18000111,TMAX,1,,E,  
 EZE00100082,18000111,TMIN,-62,,E,  
 ITE00100554,18000112,TMAX,41,,E,  
 ITE00100554,18000112,TMIN,29,,E,  
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 EZE00100082,18000112,TMIN,-60,,E,  
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 ITE00100554,18000113,TMIN,13,,E,  
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 EZE00100082,18000125,TMIN,2,,,E,  
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 EZE00100082,18000131,TMIN,23,,,E,  
 ITE00100554,18000201,TMAX,91,,,E,  
 ITE00100554,18000201,TMIN,63,,,E,  
 GM000010962,18000201,PRCP,13,,,E,  
 EZE00100082,18000201,TMAX,48,,,E,  
 EZE00100082,18000201,TMIN,17,,,E,  
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 ITE00100554,18000202,TMIN,54,,,E,  
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 ITE00100554,18000204,TMIN,59,,,E,  
 GM000010962,18000204,PRCP,0,,,E,  
 EZE00100082,18000204,TMAX,66,,,E,  
 EZE00100082,18000204,TMIN,39,,,E,  
 ITE00100554,18000205,TMAX,79,,,E,  
 ITE00100554,18000205,TMIN,46,,,E,  
 GM000010962,18000205,PRCP,0,,,E,  
 EZE00100082,18000205,TMAX,59,,,E,  
 EZE00100082,18000205,TMIN,22,,,E,  
 ITE00100554,18000206,TMAX,75,,,E,  
 ITE00100554,18000206,TMIN,41,,,E,  
 GM000010962,18000206,PRCP,0,,,E,  
 EZE00100082,18000206,TMAX,24,,,E,  
 EZE00100082,18000206,TMIN,-3,,,E,  
 ITE00100554,18000207,TMAX,73,,,E,  
 ITE00100554,18000207,TMIN,35,,,E,  
 GM000010962,18000207,PRCP,6,,,E,  
 EZE00100082,18000207,TMAX,4,,,E,  
 EZE00100082,18000207,TMIN,-22,,,E,  
 ITE00100554,18000208,TMAX,50,,,E,  
 ITE00100554,18000208,TMIN,25,,,E,  
 GM000010962,18000208,PRCP,0,,,E,  
 EZE00100082,18000208,TMAX,-20,,,E,

EZE00100082,18000208,TMIN,-39,,,E,  
 ITE00100554,18000209,TMAX,35,,,E,  
 ITE00100554,18000209,TMIN,0,,,E,  
 GM000010962,18000209,PRCP,0,,,E,  
 EZE00100082,18000209,TMAX,-17,,,E,  
 EZE00100082,18000209,TMIN,-36,,,E,  
 ITE00100554,18000210,TMAX,38,,,E,  
 ITE00100554,18000210,TMIN,16,,,E,  
 GM000010962,18000210,PRCP,0,,,E,  
 EZE00100082,18000210,TMAX,-25,,,E,  
 EZE00100082,18000210,TMIN,-69,,,E,  
 ITE00100554,18000211,TMAX,21,,,E,  
 ITE00100554,18000211,TMIN,9,,,E,  
 GM000010962,18000211,PRCP,0,,,E,  
 EZE00100082,18000211,TMAX,-34,,,E,  
 EZE00100082,18000211,TMIN,-102,,,E,  
 ITE00100554,18000212,TMAX,13,,,E,  
 ITE00100554,18000212,TMIN,3,,,E,  
 GM000010962,18000212,PRCP,0,,,E,  
 EZE00100082,18000212,TMAX,-22,,,E,  
 EZE00100082,18000212,TMIN,-78,,,E,  
 ITE00100554,18000213,TMAX,13,,,E,  
 ITE00100554,18000213,TMIN,0,,,E,  
 GM000010962,18000213,PRCP,0,,,E,  
 EZE00100082,18000213,TMAX,1,,,E,  
 EZE00100082,18000213,TMIN,-42,,,E,  
 ITE00100554,18000214,TMAX,13,,,E,  
 ITE00100554,18000214,TMIN,0,,,E,  
 GM000010962,18000214,PRCP,0,,,E,  
 EZE00100082,18000214,TMAX,5,,,E,  
 EZE00100082,18000214,TMIN,-35,,,E,  
 ITE00100554,18000215,TMAX,21,,,E,  
 ITE00100554,18000215,TMIN,13,,,E,  
 GM000010962,18000215,PRCP,0,,,E,  
 EZE00100082,18000215,TMAX,18,,,E,  
 EZE00100082,18000215,TMIN,0,,,E,  
 ITE00100554,18000216,TMAX,75,,,E,  
 ITE00100554,18000216,TMIN,13,,,E,  
 GM000010962,18000216,PRCP,7,,,E,  
 EZE00100082,18000216,TMAX,24,,,E,  
 EZE00100082,18000216,TMIN,-6,,,E,  
 ITE00100554,18000217,TMAX,71,,,E,  
 ITE00100554,18000217,TMIN,23,,,E,  
 GM000010962,18000217,PRCP,0,,,E,  
 EZE00100082,18000217,TMAX,20,,,E,  
 EZE00100082,18000217,TMIN,-13,,,E,  
 ITE00100554,18000218,TMAX,48,,,E,  
 ITE00100554,18000218,TMIN,21,,,E,

GM000010962,18000218,PRCP,0,,E,  
 EZE00100082,18000218,TMAX,0,,E,  
 EZE00100082,18000218,TMIN,-52,,E,  
 ITE00100554,18000219,TMAX,50,,E,  
 ITE00100554,18000219,TMIN,38,,E,  
 GM000010962,18000219,PRCP,0,,E,  
 EZE00100082,18000219,TMAX,-6,,E,  
 EZE00100082,18000219,TMIN,-50,,E,  
 ITE00100554,18000220,TMAX,66,,E,  
 ITE00100554,18000220,TMIN,38,,E,  
 GM000010962,18000220,PRCP,0,,E,  
 EZE00100082,18000220,TMAX,-34,,E,  
 EZE00100082,18000220,TMIN,-72,,E,  
 ITE00100554,18000221,TMAX,66,,E,  
 ITE00100554,18000221,TMIN,25,,E,  
 GM000010962,18000221,PRCP,0,,E,  
 EZE00100082,18000221,TMAX,-16,,E,  
 EZE00100082,18000221,TMIN,-60,,E,  
 ITE00100554,18000222,TMAX,63,,E,  
 ITE00100554,18000222,TMIN,48,,E,  
 GM000010962,18000222,PRCP,0,,E,  
 EZE00100082,18000222,TMAX,33,,E,  
 EZE00100082,18000222,TMIN,-42,,E,  
 ITE00100554,18000223,TMAX,81,,E,  
 ITE00100554,18000223,TMIN,54,,E,  
 GM000010962,18000223,PRCP,0,,E,  
 EZE00100082,18000223,TMAX,40,,E,  
 EZE00100082,18000223,TMIN,17,,E,  
 ITE00100554,18000224,TMAX,104,,E,  
 ITE00100554,18000224,TMIN,73,,E,  
 GM000010962,18000224,PRCP,0,,E,  
 EZE00100082,18000224,TMAX,56,,E,  
 EZE00100082,18000224,TMIN,14,,E,  
 ITE00100554,18000225,TMAX,116,,E,  
 ITE00100554,18000225,TMIN,60,,E,  
 GM000010962,18000225,PRCP,0,,E,  
 EZE00100082,18000225,TMAX,20,,E,  
 EZE00100082,18000225,TMIN,4,,E,  
 ITE00100554,18000226,TMAX,129,,E,  
 ITE00100554,18000226,TMIN,88,,E,  
 GM000010962,18000226,PRCP,0,,E,  
 EZE00100082,18000226,TMAX,15,,E,  
 EZE00100082,18000226,TMIN,-57,,E,  
 ITE00100554,18000227,TMAX,100,,E,  
 ITE00100554,18000227,TMIN,88,,I,E,  
 GM000010962,18000227,PRCP,6,,E,  
 EZE00100082,18000227,TMAX,-39,,E,  
 EZE00100082,18000227,TMIN,-74,,E,

ITE00100554,18000228,TMAX,75,,I,E,  
 ITE00100554,18000228,TMIN,63,,,E,  
 GM000010962,18000228,PRCP,0,,,E,  
 EZE00100082,18000228,TMAX,25,,,E,  
 EZE00100082,18000228,TMIN,-43,,,E,  
 ITE00100554,18000301,TMAX,100,,,E,  
 ITE00100554,18000301,TMIN,66,,,E,  
 GM000010962,18000301,PRCP,42,,,E,  
 EZE00100082,18000301,TMAX,-21,,,E,  
 EZE00100082,18000301,TMIN,-37,,,E,  
 ITE00100554,18000302,TMAX,79,,,E,  
 ITE00100554,18000302,TMIN,60,,,E,  
 GM000010962,18000302,PRCP,16,,,E,  
 EZE00100082,18000302,TMAX,4,,,E,  
 EZE00100082,18000302,TMIN,-40,,,E,  
 ITE00100554,18000303,TMAX,54,,,E,  
 ITE00100554,18000303,TMIN,46,,,E,  
 GM000010962,18000303,PRCP,6,,,E,  
 EZE00100082,18000303,TMAX,10,,,E,  
 EZE00100082,18000303,TMIN,-30,,,E,  
 ITE00100554,18000304,TMAX,84,,,E,  
 ITE00100554,18000304,TMIN,29,,,E,  
 GM000010962,18000304,PRCP,0,,,E,  
 EZE00100082,18000304,TMAX,32,,,E,  
 EZE00100082,18000304,TMIN,-23,,,E,  
 ITE00100554,18000305,TMAX,79,,,E,  
 ITE00100554,18000305,TMIN,21,,,E,  
 GM000010962,18000305,PRCP,4,,,E,  
 EZE00100082,18000305,TMAX,-14,,,E,  
 EZE00100082,18000305,TMIN,-47,,,E,  
 ITE00100554,18000306,TMAX,60,,,E,  
 ITE00100554,18000306,TMIN,29,,,E,  
 GM000010962,18000306,PRCP,0,,,E,  
 EZE00100082,18000306,TMAX,-34,,,E,  
 EZE00100082,18000306,TMIN,-70,,,E,  
 ITE00100554,18000307,TMAX,34,,,E,  
 ITE00100554,18000307,TMIN,16,,,E,  
 GM000010962,18000307,PRCP,0,,,E,  
 EZE00100082,18000307,TMAX,-42,,,E,  
 EZE00100082,18000307,TMIN,-89,,,E,  
 ITE00100554,18000308,TMAX,38,,,E,  
 ITE00100554,18000308,TMIN,0,,,E,  
 GM000010962,18000308,PRCP,0,,,E,  
 EZE00100082,18000308,TMAX,-49,,,E,  
 EZE00100082,18000308,TMIN,-130,,,E,  
 ITE00100554,18000309,TMAX,79,,,E,  
 ITE00100554,18000309,TMIN,16,,,E,  
 GM000010962,18000309,PRCP,30,,,E,

EZE00100082,18000309,TMAX,-63,,,E,  
 EZE00100082,18000309,TMIN,-93,,,E,  
 ITE00100554,18000310,TMAX,75,,,E,  
 ITE00100554,18000310,TMIN,25,,,E,  
 GM000010962,18000310,PRCP,0,,,E,  
 EZE00100082,18000310,TMAX,-34,,,E,  
 EZE00100082,18000310,TMIN,-110,,,E,  
 ITE00100554,18000311,TMAX,79,,,E,  
 ITE00100554,18000311,TMIN,29,,,E,  
 GM000010962,18000311,PRCP,0,,,E,  
 EZE00100082,18000311,TMAX,-33,,,E,  
 EZE00100082,18000311,TMIN,-107,,,E,  
 ITE00100554,18000312,TMAX,69,,,E,  
 ITE00100554,18000312,TMIN,41,,,E,  
 GM000010962,18000312,PRCP,7,,,E,  
 EZE00100082,18000312,TMAX,-22,,,E,  
 EZE00100082,18000312,TMIN,-87,,,E,  
 ITE00100554,18000313,TMAX,75,,,E,  
 ITE00100554,18000313,TMIN,44,,,E,  
 GM000010962,18000313,PRCP,0,,,E,  
 EZE00100082,18000313,TMAX,-24,,,E,  
 EZE00100082,18000313,TMIN,-110,,,E,  
 ITE00100554,18000314,TMAX,100,,,E,  
 ITE00100554,18000314,TMIN,25,,,E,  
 GM000010962,18000314,PRCP,0,,,E,  
 EZE00100082,18000314,TMAX,11,,,E,  
 EZE00100082,18000314,TMIN,-61,,,E,  
 ITE00100554,18000315,TMAX,109,,,E,  
 ITE00100554,18000315,TMIN,50,,,E,  
 GM000010962,18000315,PRCP,0,,,E,  
 EZE00100082,18000315,TMAX,-1,,,E,  
 EZE00100082,18000315,TMIN,-52,,,E,  
 ITE00100554,18000316,TMAX,113,,,E,  
 ITE00100554,18000316,TMIN,35,,,E,  
 GM000010962,18000316,PRCP,0,,,E,  
 EZE00100082,18000316,TMAX,10,,,E,  
 EZE00100082,18000316,TMIN,-67,,,E,  
 ITE00100554,18000317,TMAX,109,,,E,  
 ITE00100554,18000317,TMIN,54,,,E,  
 GM000010962,18000317,PRCP,0,,,E,  
 EZE00100082,18000317,TMAX,30,,,E,  
 EZE00100082,18000317,TMIN,-52,,,E,  
 ITE00100554,18000318,TMAX,91,,,E,  
 ITE00100554,18000318,TMIN,56,,,E,  
 GM000010962,18000318,PRCP,4,,,E,  
 EZE00100082,18000318,TMAX,26,,,E,  
 EZE00100082,18000318,TMIN,-35,,,E,  
 ITE00100554,18000319,TMAX,125,,,E,



ITE00100554,18000319,TMIN,60,,,E,  
 GM000010962,18000319,PRCP,17,,,E,  
 EZE00100082,18000319,TMAX,36,,,E,  
 EZE00100082,18000319,TMIN,-19,,,E,  
 ITE00100554,18000320,TMAX,116,,,E,  
 ITE00100554,18000320,TMIN,73,,,E,  
 GM000010962,18000320,PRCP,20,,,E,  
 EZE00100082,18000320,TMAX,13,,,E,  
 EZE00100082,18000320,TMIN,-38,,,E,  
 ITE00100554,18000321,TMAX,109,,,E,  
 ITE00100554,18000321,TMIN,50,,,E,  
 GM000010962,18000321,PRCP,6,,,E,  
 EZE00100082,18000321,TMAX,15,,,E,  
 EZE00100082,18000321,TMIN,-48,,,E,  
 ITE00100554,18000322,TMAX,71,,,E,  
 ITE00100554,18000322,TMIN,48,,,E,  
 GM000010962,18000322,PRCP,25,,,E,  
 EZE00100082,18000322,TMAX,14,,,E,  
 EZE00100082,18000322,TMIN,-57,,,E,  
 ITE00100554,18000323,TMAX,75,,,E,  
 ITE00100554,18000323,TMIN,19,,,E,  
 GM000010962,18000323,PRCP,4,,,E,  
 EZE00100082,18000323,TMAX,4,,,E,  
 EZE00100082,18000323,TMIN,-78,,,E,  
 ITE00100554,18000324,TMAX,81,,,E,  
 ITE00100554,18000324,TMIN,10,,,E,  
 GM000010962,18000324,PRCP,0,,,E,  
 EZE00100082,18000324,TMAX,33,,,E,  
 EZE00100082,18000324,TMIN,-24,,,E,  
 ITE00100554,18000325,TMAX,85,,,E,  
 ITE00100554,18000325,TMIN,25,,,E,  
 GM000010962,18000325,PRCP,0,,,E,  
 EZE00100082,18000325,TMAX,68,,,E,  
 EZE00100082,18000325,TMIN,8,,,E,  
 ITE00100554,18000326,TMAX,110,,,E,  
 ITE00100554,18000326,TMIN,31,,,E,  
 GM000010962,18000326,PRCP,0,,,E,  
 EZE00100082,18000326,TMAX,71,,,E,  
 EZE00100082,18000326,TMIN,9,,,E,  
 ITE00100554,18000327,TMAX,113,,,E,  
 ITE00100554,18000327,TMIN,48,,,E,  
 GM000010962,18000327,PRCP,0,,,E,  
 EZE00100082,18000327,TMAX,84,,,E,  
 EZE00100082,18000327,TMIN,-5,,,E,  
 ITE00100554,18000328,TMAX,125,,,E,  
 ITE00100554,18000328,TMIN,54,,,E,  
 GM000010962,18000328,PRCP,0,,,E,  
 EZE00100082,18000328,TMAX,86,,,E,

EZE00100082,18000328,TMIN,-23,,,E,  
 ITE00100554,18000329,TMAX,110,,,E,  
 ITE00100554,18000329,TMIN,85,,,E,  
 GM000010962,18000329,PRCP,0,,,E,  
 EZE00100082,18000329,TMAX,82,,,E,  
 EZE00100082,18000329,TMIN,4,,,E,  
 ITE00100554,18000330,TMAX,141,,,E,  
 ITE00100554,18000330,TMIN,85,,,E,  
 GM000010962,18000330,PRCP,0,,,E,  
 EZE00100082,18000330,TMAX,91,,,E,  
 EZE00100082,18000330,TMIN,10,,,E,  
 ITE00100554,18000331,TMAX,138,,,E,  
 ITE00100554,18000331,TMIN,75,,,E,  
 GM000010962,18000331,PRCP,0,,,E,  
 EZE00100082,18000331,TMAX,123,,,E,  
 EZE00100082,18000331,TMIN,11,,,E,  
 ITE00100554,18000401,TMAX,109,,,E,  
 ITE00100554,18000401,TMIN,100,,,E,  
 GM000010962,18000401,PRCP,0,,,E,  
 EZE00100082,18000401,TMAX,98,,,E,  
 EZE00100082,18000401,TMIN,50,,,E,  
 ITE00100554,18000402,TMAX,104,,,E,  
 ITE00100554,18000402,TMIN,98,,,E,  
 GM000010962,18000402,PRCP,9,,,E,  
 EZE00100082,18000402,TMAX,128,,,E,  
 EZE00100082,18000402,TMIN,59,,,E,  
 ITE00100554,18000403,TMAX,128,,,E,  
 ITE00100554,18000403,TMIN,75,,,E,  
 GM000010962,18000403,PRCP,0,,,E,  
 EZE00100082,18000403,TMAX,116,,,E,  
 EZE00100082,18000403,TMIN,61,,,E,  
 ITE00100554,18000404,TMAX,153,,,E,  
 ITE00100554,18000404,TMIN,75,,,E,  
 GM000010962,18000404,PRCP,0,,,E,  
 EZE00100082,18000404,TMAX,157,,,E,  
 EZE00100082,18000404,TMIN,69,,,E,  
 ITE00100554,18000405,TMAX,166,,,E,  
 ITE00100554,18000405,TMIN,84,,,E,  
 GM000010962,18000405,PRCP,0,,,E,  
 EZE00100082,18000405,TMAX,134,,,E,  
 EZE00100082,18000405,TMIN,65,,,E,  
 ITE00100554,18000406,TMAX,178,,,E,  
 ITE00100554,18000406,TMIN,96,,,E,  
 GM000010962,18000406,PRCP,0,,,E,  
 EZE00100082,18000406,TMAX,168,,,E,  
 EZE00100082,18000406,TMIN,95,,,E,  
 ITE00100554,18000407,TMAX,198,,,E,  
 ITE00100554,18000407,TMIN,99,,,E,

GM000010962,18000407,PRCP,0,,E,  
 EZE00100082,18000407,TMAX,160,,E,  
 EZE00100082,18000407,TMIN,74,,E,  
 ITE00100554,18000408,TMAX,200,,E,  
 ITE00100554,18000408,TMIN,109,,E,  
 GM000010962,18000408,PRCP,0,,E,  
 EZE00100082,18000408,TMAX,203,,E,  
 EZE00100082,18000408,TMIN,75,,E,  
 ITE00100554,18000409,TMAX,200,,E,  
 ITE00100554,18000409,TMIN,148,,E,  
 GM000010962,18000409,PRCP,0,,E,  
 EZE00100082,18000409,TMAX,193,,E,  
 EZE00100082,18000409,TMIN,105,,E,  
 ITE00100554,18000410,TMAX,200,,E,  
 ITE00100554,18000410,TMIN,129,,E,  
 GM000010962,18000410,PRCP,0,,E,  
 EZE00100082,18000410,TMAX,212,,E,  
 EZE00100082,18000410,TMIN,125,,E,  
 ITE00100554,18000411,TMAX,200,,E,  
 ITE00100554,18000411,TMIN,141,,E,  
 GM000010962,18000411,PRCP,0,,E,  
 EZE00100082,18000411,TMAX,171,,E,  
 EZE00100082,18000411,TMIN,95,,E,  
 ITE00100554,18000412,TMAX,200,,E,  
 ITE00100554,18000412,TMIN,116,,E,  
 GM000010962,18000412,PRCP,10,,E,  
 EZE00100082,18000412,TMAX,170,,E,  
 EZE00100082,18000412,TMIN,55,,E,  
 ITE00100554,18000413,TMAX,181,,E,  
 ITE00100554,18000413,TMIN,129,,E,  
 GM000010962,18000413,PRCP,40,,E,  
 EZE00100082,18000413,TMAX,185,,E,  
 EZE00100082,18000413,TMIN,99,,E,  
 ITE00100554,18000414,TMAX,188,,E,  
 ITE00100554,18000414,TMIN,91,,E,  
 GM000010962,18000414,PRCP,2,,E,  
 EZE00100082,18000414,TMAX,145,,E,  
 EZE00100082,18000414,TMIN,87,,E,  
 ITE00100554,18000415,TMAX,206,,E,  
 ITE00100554,18000415,TMIN,116,,E,  
 GM000010962,18000415,PRCP,0,,E,  
 EZE00100082,18000415,TMAX,194,,E,  
 EZE00100082,18000415,TMIN,109,,E,  
 ITE00100554,18000416,TMAX,216,,E,  
 ITE00100554,18000416,TMIN,129,,E,  
 GM000010962,18000416,PRCP,0,,E,  
 EZE00100082,18000416,TMAX,203,,E,  
 EZE00100082,18000416,TMIN,102,,E,

ITE00100554,18000417,TMAX,213,,,E,  
 ITE00100554,18000417,TMIN,129,,,E,  
 GM000010962,18000417,PRCP,0,,,E,  
 EZE00100082,18000417,TMAX,248,,,E,  
 EZE00100082,18000417,TMIN,110,,,E,  
 ITE00100554,18000418,TMAX,216,,,E,  
 ITE00100554,18000418,TMIN,134,,,E,  
 GM000010962,18000418,PRCP,0,,,E,  
 EZE00100082,18000418,TMAX,246,,,E,  
 EZE00100082,18000418,TMIN,130,,,E,  
 ITE00100554,18000419,TMAX,191,,,E,  
 ITE00100554,18000419,TMIN,138,,,E,  
 GM000010962,18000419,PRCP,5,,,E,  
 EZE00100082,18000419,TMAX,208,,,E,  
 EZE00100082,18000419,TMIN,146,,,E,  
 ITE00100554,18000420,TMAX,231,,,E,  
 ITE00100554,18000420,TMIN,150,,,E,  
 GM000010962,18000420,PRCP,34,,,E,  
 EZE00100082,18000420,TMAX,212,,,E,  
 EZE00100082,18000420,TMIN,125,,,E,  
 ITE00100554,18000421,TMAX,235,,,E,  
 ITE00100554,18000421,TMIN,154,,,E,  
 GM000010962,18000421,PRCP,2,,,E,  
 EZE00100082,18000421,TMAX,228,,,E,  
 EZE00100082,18000421,TMIN,153,,,E,  
 ITE00100554,18000422,TMAX,216,,,E,  
 ITE00100554,18000422,TMIN,166,,,E,  
 GM000010962,18000422,PRCP,0,,,E,  
 EZE00100082,18000422,TMAX,277,,,E,  
 EZE00100082,18000422,TMIN,157,,,E,  
 ITE00100554,18000423,TMAX,191,,,E,  
 ITE00100554,18000423,TMIN,166,,,E,  
 GM000010962,18000423,PRCP,0,,,E,  
 EZE00100082,18000423,TMAX,250,,,E,  
 EZE00100082,18000423,TMIN,185,,,E,  
 ITE00100554,18000424,TMAX,204,,,E,  
 ITE00100554,18000424,TMIN,146,,,E,  
 GM000010962,18000424,PRCP,0,,,E,  
 EZE00100082,18000424,TMAX,238,,,E,  
 EZE00100082,18000424,TMIN,177,,,E,  
 ITE00100554,18000425,TMAX,163,,,E,  
 ITE00100554,18000425,TMIN,150,,,E,  
 GM000010962,18000425,PRCP,0,,,E,  
 EZE00100082,18000425,TMAX,230,,,E,  
 EZE00100082,18000425,TMIN,166,,,E,  
 ITE00100554,18000426,TMAX,179,,,E,  
 ITE00100554,18000426,TMIN,154,,,E,  
 GM000010962,18000426,PRCP,0,,,E,

EZE00100082,18000426,TMAX,258,,E,  
 EZE00100082,18000426,TMIN,158,,E,  
 ITE00100554,18000427,TMAX,204,,E,  
 ITE00100554,18000427,TMIN,154,,E,  
 GM000010962,18000427,PRCP,0,,E,  
 EZE00100082,18000427,TMAX,279,,E,  
 EZE00100082,18000427,TMIN,160,,E,  
 ITE00100554,18000428,TMAX,223,,E,  
 ITE00100554,18000428,TMIN,159,,E,  
 GM000010962,18000428,PRCP,0,,E,  
 EZE00100082,18000428,TMAX,259,,E,  
 EZE00100082,18000428,TMIN,180,,E,  
 ITE00100554,18000429,TMAX,225,,E,  
 ITE00100554,18000429,TMIN,169,,E,  
 GM000010962,18000429,PRCP,0,,E,  
 EZE00100082,18000429,TMAX,286,,E,  
 EZE00100082,18000429,TMIN,166,,E,  
 ITE00100554,18000430,TMAX,206,,E,  
 ITE00100554,18000430,TMIN,159,,E,  
 GM000010962,18000430,PRCP,0,,E,  
 EZE00100082,18000430,TMAX,273,,E,  
 EZE00100082,18000430,TMIN,147,,E,  
 ITE00100554,18000501,TMAX,206,,E,  
 ITE00100554,18000501,TMIN,160,,E,  
 GM000010962,18000501,PRCP,97,,E,  
 EZE00100082,18000501,TMAX,183,,E,  
 EZE00100082,18000501,TMIN,127,,E,  
 ITE00100554,18000502,TMAX,223,,E,  
 ITE00100554,18000502,TMIN,160,,E,  
 GM000010962,18000502,PRCP,3,,E,  
 EZE00100082,18000502,TMAX,226,,E,  
 EZE00100082,18000502,TMIN,139,,E,  
 ITE00100554,18000503,TMAX,235,,E,  
 ITE00100554,18000503,TMIN,154,,E,  
 GM000010962,18000503,PRCP,0,,E,  
 EZE00100082,18000503,TMAX,240,,E,  
 EZE00100082,18000503,TMIN,164,,E,  
 ITE00100554,18000504,TMAX,238,,E,  
 ITE00100554,18000504,TMIN,156,,E,  
 GM000010962,18000504,PRCP,0,,E,  
 EZE00100082,18000504,TMAX,231,,E,  
 EZE00100082,18000504,TMIN,152,,E,  
 ITE00100554,18000505,TMAX,225,,E,  
 ITE00100554,18000505,TMIN,160,,E,  
 GM000010962,18000505,PRCP,0,,E,  
 EZE00100082,18000505,TMAX,217,,E,  
 EZE00100082,18000505,TMIN,160,,E,  
 ITE00100554,18000506,TMAX,175,,E,

ITE00100554,18000506,TMIN,140,,,E,  
 GM000010962,18000506,PRCP,0,,,E,  
 EZE00100082,18000506,TMAX,214,,,E,  
 EZE00100082,18000506,TMIN,136,,,E,  
 ITE00100554,18000507,TMAX,188,,,E,  
 ITE00100554,18000507,TMIN,96,,,E,  
 GM000010962,18000507,PRCP,0,,,E,  
 EZE00100082,18000507,TMAX,231,,,E,  
 EZE00100082,18000507,TMIN,116,,,E,  
 ITE00100554,18000508,TMAX,213,,,E,  
 ITE00100554,18000508,TMIN,121,,,E,  
 GM000010962,18000508,PRCP,0,,,E,  
 EZE00100082,18000508,TMAX,240,,,E,  
 EZE00100082,18000508,TMIN,130,,,E,  
 ITE00100554,18000509,TMAX,225,,,E,  
 ITE00100554,18000509,TMIN,134,,,E,  
 GM000010962,18000509,PRCP,0,,,E,  
 EZE00100082,18000509,TMAX,245,,,E,  
 EZE00100082,18000509,TMIN,151,,,E,  
 ITE00100554,18000510,TMAX,188,,,E,  
 ITE00100554,18000510,TMIN,154,,,E,  
 GM000010962,18000510,PRCP,0,,,E,  
 EZE00100082,18000510,TMAX,241,,,E,  
 EZE00100082,18000510,TMIN,149,,,E,  
 ITE00100554,18000511,TMAX,210,,,E,  
 ITE00100554,18000511,TMIN,154,,,E,  
 GM000010962,18000511,PRCP,11,,,E,  
 EZE00100082,18000511,TMAX,162,,,E,  
 EZE00100082,18000511,TMIN,103,,,E,  
 ITE00100554,18000512,TMAX,204,,,E,  
 ITE00100554,18000512,TMIN,150,,,E,  
 GM000010962,18000512,PRCP,7,,,E,  
 EZE00100082,18000512,TMAX,162,,,E,  
 EZE00100082,18000512,TMIN,100,,,E,  
 ITE00100554,18000513,TMAX,188,,,E,  
 ITE00100554,18000513,TMIN,154,,,E,  
 GM000010962,18000513,PRCP,25,,,E,  
 EZE00100082,18000513,TMAX,197,,,E,  
 EZE00100082,18000513,TMIN,122,,,E,  
 ITE00100554,18000514,TMAX,200,,,E,  
 ITE00100554,18000514,TMIN,134,,,E,  
 GM000010962,18000514,PRCP,35,,,E,  
 EZE00100082,18000514,TMAX,209,,,E,  
 EZE00100082,18000514,TMIN,125,,,E,  
 ITE00100554,18000515,TMAX,213,,,E,  
 ITE00100554,18000515,TMIN,135,,,E,  
 GM000010962,18000515,PRCP,7,,,E,  
 EZE00100082,18000515,TMAX,161,,,E,

EZE00100082,18000515,TMIN,116,,,E,  
 ITE00100554,18000516,TMAX,213,,,E,  
 ITE00100554,18000516,TMIN,135,,,E,  
 GM000010962,18000516,PRCP,279,,,E,  
 EZE00100082,18000516,TMAX,188,,,E,  
 EZE00100082,18000516,TMIN,129,,,E,  
 ITE00100554,18000517,TMAX,209,,,E,  
 ITE00100554,18000517,TMIN,160,,,E,  
 GM000010962,18000517,PRCP,0,,,E,  
 EZE00100082,18000517,TMAX,220,,,E,  
 EZE00100082,18000517,TMIN,124,,,E,  
 ITE00100554,18000518,TMAX,213,,,E,  
 ITE00100554,18000518,TMIN,146,,,E,  
 GM000010962,18000518,PRCP,43,,,E,  
 EZE00100082,18000518,TMAX,186,,,E,  
 EZE00100082,18000518,TMIN,119,,,E,  
 ITE00100554,18000519,TMAX,200,,,E,  
 ITE00100554,18000519,TMIN,135,,,E,  
 GM000010962,18000519,PRCP,0,,,E,  
 EZE00100082,18000519,TMAX,172,,,E,  
 EZE00100082,18000519,TMIN,105,,,E,  
 ITE00100554,18000520,TMAX,225,,,E,  
 ITE00100554,18000520,TMIN,138,,,E,  
 GM000010962,18000520,PRCP,0,,,E,  
 EZE00100082,18000520,TMAX,225,,,E,  
 EZE00100082,18000520,TMIN,115,,,E,  
 ITE00100554,18000521,TMAX,238,,,E,  
 ITE00100554,18000521,TMIN,179,,,E,  
 GM000010962,18000521,PRCP,0,,,E,  
 EZE00100082,18000521,TMAX,247,,,E,  
 EZE00100082,18000521,TMIN,136,,,E,  
 ITE00100554,18000522,TMAX,263,,,E,  
 ITE00100554,18000522,TMIN,166,,,E,  
 GM000010962,18000522,PRCP,43,,,E,  
 EZE00100082,18000522,TMAX,262,,,E,  
 EZE00100082,18000522,TMIN,157,,,E,  
 ITE00100554,18000523,TMAX,250,,,E,  
 ITE00100554,18000523,TMIN,188,,,E,  
 GM000010962,18000523,PRCP,71,,,E,  
 EZE00100082,18000523,TMAX,270,,,E,  
 EZE00100082,18000523,TMIN,183,,,E,  
 ITE00100554,18000524,TMAX,225,,,E,  
 ITE00100554,18000524,TMIN,185,,,E,  
 GM000010962,18000524,PRCP,0,,,E,  
 EZE00100082,18000524,TMAX,282,,,E,  
 EZE00100082,18000524,TMIN,178,,,E,  
 ITE00100554,18000525,TMAX,238,,,E,  
 ITE00100554,18000525,TMIN,181,,,E,

GM000010962,18000525,PRCP,305,,,E,  
EZE00100082,18000525,TMAX,232,,,E,  
EZE00100082,18000525,TMIN,174,,,E,  
ITE00100554,18000526,TMAX,263,,,E,  
ITE00100554,18000526,TMIN,198,,,E,  
GM000010962,18000526,PRCP,169,,,E,  
EZE00100082,18000526,TMAX,226,,,E,  
EZE00100082,18000526,TMIN,16

\*\*\* WARNING: max output size exceeded, skipping output. \*\*\*

3,,,E,  
GM000010962,18000808,PRCP,0,,,E,  
EZE00100082,18000808,TMAX,193,,,E,  
EZE00100082,18000808,TMIN,136,,,E,  
ITE00100554,18000809,TMAX,240,,,E,  
ITE00100554,18000809,TMIN,144,,,E,  
GM000010962,18000809,PRCP,9,,,E,  
EZE00100082,18000809,TMAX,214,,,E,  
EZE00100082,18000809,TMIN,117,,,E,  
ITE00100554,18000810,TMAX,246,,,E,  
ITE00100554,18000810,TMIN,159,,,E,  
GM000010962,18000810,PRCP,0,,,E,  
EZE00100082,18000810,TMAX,251,,,E,  
EZE00100082,18000810,TMIN,155,,,E,  
ITE00100554,18000811,TMAX,271,,,E,  
ITE00100554,18000811,TMIN,166,,,E,  
GM000010962,18000811,PRCP,0,,,E,  
EZE00100082,18000811,TMAX,246,,,E,  
EZE00100082,18000811,TMIN,155,,,E,  
ITE00100554,18000812,TMAX,259,,,E,  
ITE00100554,18000812,TMIN,184,,,E,  
GM000010962,18000812,PRCP,0,,,E,  
EZE00100082,18000812,TMAX,262,,,E,  
EZE00100082,18000812,TMIN,162,,,E,  
ITE00100554,18000813,TMAX,281,,,E,  
ITE00100554,18000813,TMIN,204,,,E,  
GM000010962,18000813,PRCP,0,,,E,  
EZE00100082,18000813,TMAX,287,,,E,  
EZE00100082,18000813,TMIN,165,,,E,  
ITE00100554,18000814,TMAX,284,,,E,  
ITE00100554,18000814,TMIN,221,,,E,  
GM000010962,18000814,PRCP,0,,,E,  
EZE00100082,18000814,TMAX,306,,,E,  
EZE00100082,18000814,TMIN,180,,,E,  
ITE00100554,18000815,TMAX,298,,,E,  
ITE00100554,18000815,TMIN,216,,,E,  
GM000010962,18000815,PRCP,0,,,E,



EZE00100082,18000815,TMAX,307,,E,  
 EZE00100082,18000815,TMIN,181,,E,  
 ITE00100554,18000816,TMAX,304,,E,  
 ITE00100554,18000816,TMIN,216,,E,  
 GM000010962,18000816,PRCP,0,,E,  
 EZE00100082,18000816,TMAX,304,,E,  
 EZE00100082,18000816,TMIN,198,,E,  
 ITE00100554,18000817,TMAX,309,,E,  
 ITE00100554,18000817,TMIN,216,,E,  
 GM000010962,18000817,PRCP,0,,E,  
 EZE00100082,18000817,TMAX,275,,E,  
 EZE00100082,18000817,TMIN,178,,E,  
 ITE00100554,18000818,TMAX,313,,E,  
 ITE00100554,18000818,TMIN,221,,E,  
 GM000010962,18000818,PRCP,0,,E,  
 EZE00100082,18000818,TMAX,323,,E,  
 EZE00100082,18000818,TMIN,185,,E,  
 ITE00100554,18000819,TMAX,323,,E,  
 ITE00100554,18000819,TMIN,238,,E,  
 GM000010962,18000819,PRCP,0,,E,  
 EZE00100082,18000819,TMAX,290,,E,  
 EZE00100082,18000819,TMIN,195,,E,  
 ITE00100554,18000820,TMAX,310,,E,  
 ITE00100554,18000820,TMIN,235,,E,  
 GM000010962,18000820,PRCP,0,,E,  
 EZE00100082,18000820,TMAX,274,,E,  
 EZE00100082,18000820,TMIN,202,,E,  
 ITE00100554,18000821,TMAX,298,,E,  
 ITE00100554,18000821,TMIN,231,,E,  
 GM000010962,18000821,PRCP,36,,E,  
 EZE00100082,18000821,TMAX,253,,E,  
 EZE00100082,18000821,TMIN,195,,E,  
 ITE00100554,18000822,TMAX,279,,E,  
 ITE00100554,18000822,TMIN,209,,E,  
 GM000010962,18000822,PRCP,195,,E,  
 EZE00100082,18000822,TMAX,206,,E,  
 EZE00100082,18000822,TMIN,158,,E,  
 ITE00100554,18000823,TMAX,213,,E,  
 ITE00100554,18000823,TMIN,204,,E,  
 GM000010962,18000823,PRCP,0,,E,  
 EZE00100082,18000823,TMAX,231,,E,  
 EZE00100082,18000823,TMIN,119,,E,  
 ITE00100554,18000824,TMAX,229,,E,  
 ITE00100554,18000824,TMIN,148,,E,  
 GM000010962,18000824,PRCP,33,,E,  
 EZE00100082,18000824,TMAX,213,,E,  
 EZE00100082,18000824,TMIN,154,,E,  
 ITE00100554,18000825,TMAX,241,,E,

ITE00100554,18000825,TMIN,171,,,E,  
 GM000010962,18000825,PRCP,0,,,E,  
 EZE00100082,18000825,TMAX,200,,,E,  
 EZE00100082,18000825,TMIN,133,,,E,  
 ITE00100554,18000826,TMAX,210,,,E,  
 ITE00100554,18000826,TMIN,159,,,E,  
 GM000010962,18000826,PRCP,51,,,E,  
 EZE00100082,18000826,TMAX,215,,,E,  
 EZE00100082,18000826,TMIN,151,,,E,  
 ITE00100554,18000827,TMAX,234,,,E,  
 ITE00100554,18000827,TMIN,146,,,E,  
 GM000010962,18000827,PRCP,268,,,E,  
 EZE00100082,18000827,TMAX,220,,,E,  
 EZE00100082,18000827,TMIN,148,,,E,  
 ITE00100554,18000828,TMAX,234,,,E,  
 ITE00100554,18000828,TMIN,154,,,E,  
 GM000010962,18000828,PRCP,0,,,E,  
 EZE00100082,18000828,TMAX,203,,,E,  
 EZE00100082,18000828,TMIN,158,,,E,  
 ITE00100554,18000829,TMAX,241,,,E,  
 ITE00100554,18000829,TMIN,179,,,E,  
 GM000010962,18000829,PRCP,0,,,E,  
 EZE00100082,18000829,TMAX,203,,,E,  
 EZE00100082,18000829,TMIN,149,,,E,  
 ITE00100554,18000830,TMAX,241,,,E,  
 ITE00100554,18000830,TMIN,163,,,E,  
 GM000010962,18000830,PRCP,40,,,E,  
 EZE00100082,18000830,TMAX,196,,,E,  
 EZE00100082,18000830,TMIN,154,,,E,  
 ITE00100554,18000831,TMAX,240,,,E,  
 ITE00100554,18000831,TMIN,165,,,E,  
 GM000010962,18000831,PRCP,50,,,E,  
 EZE00100082,18000831,TMAX,177,,,E,  
 EZE00100082,18000831,TMIN,147,,,E,  
 ITE00100554,18000901,TMAX,241,,,E,  
 ITE00100554,18000901,TMIN,184,,,E,  
 GM000010962,18000901,PRCP,31,,,E,  
 EZE00100082,18000901,TMAX,193,,,E,  
 EZE00100082,18000901,TMIN,148,,,E,  
 ITE00100554,18000902,TMAX,179,,,E,  
 ITE00100554,18000902,TMIN,179,,,E,  
 GM000010962,18000902,PRCP,0,,,E,  
 EZE00100082,18000902,TMAX,209,,,E,  
 EZE00100082,18000902,TMIN,152,,,E,  
 ITE00100554,18000903,TMAX,216,,,E,  
 ITE00100554,18000903,TMIN,166,,,E,  
 GM000010962,18000903,PRCP,2,,,E,  
 EZE00100082,18000903,TMAX,197,,,E,

EZE00100082,18000903,TMIN,157,,E,  
 ITE00100554,18000904,TMAX,229,,E,  
 ITE00100554,18000904,TMIN,166,,E,  
 GM000010962,18000904,PRCP,2,,E,  
 EZE00100082,18000904,TMAX,214,,E,  
 EZE00100082,18000904,TMIN,141,,E,  
 ITE00100554,18000905,TMAX,238,,E,  
 ITE00100554,18000905,TMIN,191,,E,  
 GM000010962,18000905,PRCP,0,,E,  
 EZE00100082,18000905,TMAX,210,,E,  
 EZE00100082,18000905,TMIN,154,,E,  
 ITE00100554,18000906,TMAX,238,,E,  
 ITE00100554,18000906,TMIN,179,,E,  
 GM000010962,18000906,PRCP,20,,E,  
 EZE00100082,18000906,TMAX,225,,E,  
 EZE00100082,18000906,TMIN,173,,E,  
 ITE00100554,18000907,TMAX,223,,E,  
 ITE00100554,18000907,TMIN,178,,E,  
 GM000010962,18000907,PRCP,0,,E,  
 EZE00100082,18000907,TMAX,230,,E,  
 EZE00100082,18000907,TMIN,146,,E,  
 ITE00100554,18000908,TMAX,238,,E,  
 ITE00100554,18000908,TMIN,175,,E,  
 GM000010962,18000908,PRCP,56,,E,  
 EZE00100082,18000908,TMAX,227,,E,  
 EZE00100082,18000908,TMIN,184,,E,  
 ITE00100554,18000909,TMAX,250,,E,  
 ITE00100554,18000909,TMIN,188,,E,  
 GM000010962,18000909,PRCP,11,,E,  
 EZE00100082,18000909,TMAX,194,,E,  
 EZE00100082,18000909,TMIN,163,,E,  
 ITE00100554,18000910,TMAX,238,,E,  
 ITE00100554,18000910,TMIN,188,,E,  
 GM000010962,18000910,PRCP,0,,E,  
 EZE00100082,18000910,TMAX,202,,E,  
 EZE00100082,18000910,TMIN,152,,E,  
 ITE00100554,18000911,TMAX,248,,E,  
 ITE00100554,18000911,TMIN,163,,E,  
 GM000010962,18000911,PRCP,110,,E,  
 EZE00100082,18000911,TMAX,181,,E,  
 EZE00100082,18000911,TMIN,157,,E,  
 ITE00100554,18000912,TMAX,238,,E,  
 ITE00100554,18000912,TMIN,163,,E,  
 GM000010962,18000912,PRCP,1,,E,  
 EZE00100082,18000912,TMAX,186,,E,  
 EZE00100082,18000912,TMIN,141,,E,  
 ITE00100554,18000913,TMAX,241,,E,  
 ITE00100554,18000913,TMIN,154,,E,

GM000010962,18000913,PRCP,0,,E,  
 EZE00100082,18000913,TMAX,177,,E,  
 EZE00100082,18000913,TMIN,116,,E,  
 ITE00100554,18000914,TMAX,229,,E,  
 ITE00100554,18000914,TMIN,166,,E,  
 GM000010962,18000914,PRCP,0,,E,  
 EZE00100082,18000914,TMAX,183,,E,  
 EZE00100082,18000914,TMIN,104,,E,  
 ITE00100554,18000915,TMAX,225,,E,  
 ITE00100554,18000915,TMIN,159,,E,  
 GM000010962,18000915,PRCP,0,,E,  
 EZE00100082,18000915,TMAX,198,,E,  
 EZE00100082,18000915,TMIN,115,,E,  
 ITE00100554,18000916,TMAX,229,,E,  
 ITE00100554,18000916,TMIN,154,,E,  
 GM000010962,18000916,PRCP,0,,E,  
 EZE00100082,18000916,TMAX,205,,E,  
 EZE00100082,18000916,TMIN,111,,E,  
 ITE00100554,18000917,TMAX,235,,E,  
 ITE00100554,18000917,TMIN,163,,E,  
 GM000010962,18000917,PRCP,0,,E,  
 EZE00100082,18000917,TMAX,199,,E,  
 EZE00100082,18000917,TMIN,110,,E,  
 ITE00100554,18000918,TMAX,246,,E,  
 ITE00100554,18000918,TMIN,175,,E,  
 GM000010962,18000918,PRCP,4,,E,  
 EZE00100082,18000918,TMAX,217,,E,  
 EZE00100082,18000918,TMIN,118,,E,  
 ITE00100554,18000919,TMAX,241,,E,  
 ITE00100554,18000919,TMIN,184,,E,  
 GM000010962,18000919,PRCP,0,,E,  
 EZE00100082,18000919,TMAX,217,,E,  
 EZE00100082,18000919,TMIN,165,,E,  
 ITE00100554,18000920,TMAX,225,,E,  
 ITE00100554,18000920,TMIN,191,,E,  
 GM000010962,18000920,PRCP,2,,E,  
 EZE00100082,18000920,TMAX,210,,E,  
 EZE00100082,18000920,TMIN,142,,E,  
 ITE00100554,18000921,TMAX,231,,E,  
 ITE00100554,18000921,TMIN,191,,E,  
 GM000010962,18000921,PRCP,85,,E,  
 EZE00100082,18000921,TMAX,193,,E,  
 EZE00100082,18000921,TMIN,155,,E,  
 ITE00100554,18000922,TMAX,235,,E,  
 ITE00100554,18000922,TMIN,185,,E,  
 GM000010962,18000922,PRCP,33,,E,  
 EZE00100082,18000922,TMAX,169,,E,  
 EZE00100082,18000922,TMIN,136,,E,

ITE00100554,18000923,TMAX,234,,,E,  
 ITE00100554,18000923,TMIN,163,,,E,  
 GM000010962,18000923,PRCP,14,,,E,  
 EZE00100082,18000923,TMAX,170,,,E,  
 EZE00100082,18000923,TMIN,131,,,E,  
 ITE00100554,18000924,TMAX,234,,,E,  
 ITE00100554,18000924,TMIN,169,,,E,  
 GM000010962,18000924,PRCP,49,,,E,  
 EZE00100082,18000924,TMAX,164,,,E,  
 EZE00100082,18000924,TMIN,132,,,E,  
 ITE00100554,18000925,TMAX,238,,,E,  
 ITE00100554,18000925,TMIN,171,,,E,  
 GM000010962,18000925,PRCP,30,,,E,  
 EZE00100082,18000925,TMAX,156,,,E,  
 EZE00100082,18000925,TMIN,125,,,E,  
 ITE00100554,18000926,TMAX,198,,,E,  
 ITE00100554,18000926,TMIN,181,,,E,  
 GM000010962,18000926,PRCP,10,,,E,  
 EZE00100082,18000926,TMAX,144,,,E,  
 EZE00100082,18000926,TMIN,115,,,E,  
 ITE00100554,18000927,TMAX,213,,,E,  
 ITE00100554,18000927,TMIN,129,,,E,  
 GM000010962,18000927,PRCP,11,,,E,  
 EZE00100082,18000927,TMAX,134,,,E,  
 EZE00100082,18000927,TMIN,116,,,E,  
 ITE00100554,18000928,TMAX,213,,,E,  
 ITE00100554,18000928,TMIN,181,,,E,  
 GM000010962,18000928,PRCP,14,,,E,  
 EZE00100082,18000928,TMAX,158,,,E,  
 EZE00100082,18000928,TMIN,114,,,E,  
 ITE00100554,18000929,TMAX,196,,,E,  
 ITE00100554,18000929,TMIN,119,,,E,  
 GM000010962,18000929,PRCP,13,,,E,  
 EZE00100082,18000929,TMAX,131,,,E,  
 EZE00100082,18000929,TMIN,91,,,E,  
 ITE00100554,18000930,TMAX,200,,,E,  
 ITE00100554,18000930,TMIN,100,,,E,  
 GM000010962,18000930,PRCP,0,,,E,  
 EZE00100082,18000930,TMAX,157,,,E,  
 EZE00100082,18000930,TMIN,85,,,E,  
 ITE00100554,18001001,TMAX,188,,,E,  
 ITE00100554,18001001,TMIN,129,,,E,  
 GM000010962,18001001,PRCP,45,,,E,  
 EZE00100082,18001001,TMAX,133,,,E,  
 EZE00100082,18001001,TMIN,110,,,E,  
 ITE00100554,18001002,TMAX,194,,,E,  
 ITE00100554,18001002,TMIN,144,,,E,  
 GM000010962,18001002,PRCP,127,,,E,

EZE00100082,18001002,TMAX,135,,,E,  
 EZE00100082,18001002,TMIN,98,,,E,  
 ITE00100554,18001003,TMAX,200,,,E,  
 ITE00100554,18001003,TMIN,144,,,E,  
 GM000010962,18001003,PRCP,149,,,E,  
 EZE00100082,18001003,TMAX,164,,,E,  
 EZE00100082,18001003,TMIN,94,,,E,  
 ITE00100554,18001004,TMAX,200,,,E,  
 ITE00100554,18001004,TMIN,163,,,E,  
 GM000010962,18001004,PRCP,48,,,E,  
 EZE00100082,18001004,TMAX,136,,,E,  
 EZE00100082,18001004,TMIN,109,,,E,  
 ITE00100554,18001005,TMAX,185,,,E,  
 ITE00100554,18001005,TMIN,141,,,E,  
 GM000010962,18001005,PRCP,0,,,E,  
 EZE00100082,18001005,TMAX,150,,,E,  
 EZE00100082,18001005,TMIN,95,,,E,  
 ITE00100554,18001006,TMAX,181,,,E,  
 ITE00100554,18001006,TMIN,150,,,E,  
 GM000010962,18001006,PRCP,0,,,E,  
 EZE00100082,18001006,TMAX,149,,,E,  
 EZE00100082,18001006,TMIN,76,,,E,  
 ITE00100554,18001007,TMAX,169,,,E,  
 ITE00100554,18001007,TMIN,154,,,E,  
 GM000010962,18001007,PRCP,0,,,E,  
 EZE00100082,18001007,TMAX,163,,,E,  
 EZE00100082,18001007,TMIN,98,,,E,  
 ITE00100554,18001008,TMAX,184,,,E,  
 ITE00100554,18001008,TMIN,165,,,E,  
 GM000010962,18001008,PRCP,0,,,E,  
 EZE00100082,18001008,TMAX,165,,,E,  
 EZE00100082,18001008,TMIN,104,,,E,  
 ITE00100554,18001009,TMAX,184,,,E,  
 ITE00100554,18001009,TMIN,166,,,E,  
 GM000010962,18001009,PRCP,49,,,E,  
 EZE00100082,18001009,TMAX,174,,,E,  
 EZE00100082,18001009,TMIN,120,,,E,  
 ITE00100554,18001010,TMAX,181,,,E,  
 ITE00100554,18001010,TMIN,150,,,E,  
 GM000010962,18001010,PRCP,32,,,E,  
 EZE00100082,18001010,TMAX,169,,,E,  
 EZE00100082,18001010,TMIN,125,,,E,  
 ITE00100554,18001011,TMAX,188,,,E,  
 ITE00100554,18001011,TMIN,150,,,E,  
 GM000010962,18001011,PRCP,32,,,E,  
 EZE00100082,18001011,TMAX,136,,,E,  
 EZE00100082,18001011,TMIN,97,,,E,  
 ITE00100554,18001012,TMAX,175,,,E,

ITE00100554,18001012,TMIN,123,,,E,  
 GM000010962,18001012,PRCP,0,,,E,  
 EZE00100082,18001012,TMAX,147,,,E,  
 EZE00100082,18001012,TMIN,99,,,E,  
 ITE00100554,18001013,TMAX,175,,,E,  
 ITE00100554,18001013,TMIN,113,,,E,  
 GM000010962,18001013,PRCP,11,,,E,  
 EZE00100082,18001013,TMAX,127,,,E,  
 EZE00100082,18001013,TMIN,98,,,E,  
 ITE00100554,18001014,TMAX,171,,,E,  
 ITE00100554,18001014,TMIN,100,,,E,  
 GM000010962,18001014,PRCP,0,,,E,  
 EZE00100082,18001014,TMAX,135,,,E,  
 EZE00100082,18001014,TMIN,93,,,E,  
 ITE00100554,18001015,TMAX,171,,,E,  
 ITE00100554,18001015,TMIN,96,,,E,  
 GM000010962,18001015,PRCP,0,,,E,  
 EZE00100082,18001015,TMAX,124,,,E,  
 EZE00100082,18001015,TMIN,97,,,E,  
 ITE00100554,18001016,TMAX,166,,,E,  
 ITE00100554,18001016,TMIN,109,,,E,  
 GM000010962,18001016,PRCP,33,,,E,  
 EZE00100082,18001016,TMAX,119,,,E,  
 EZE00100082,18001016,TMIN,72,,,E,  
 ITE00100554,18001017,TMAX,184,,,E,  
 ITE00100554,18001017,TMIN,116,,,E,  
 GM000010962,18001017,PRCP,15,,,E,  
 EZE00100082,18001017,TMAX,81,,,E,  
 EZE00100082,18001017,TMIN,48,,,E,  
 ITE00100554,18001018,TMAX,154,,,E,  
 ITE00100554,18001018,TMIN,104,,,E,  
 GM000010962,18001018,PRCP,11,,,E,  
 EZE00100082,18001018,TMAX,99,,,E,  
 EZE00100082,18001018,TMIN,22,,,E,  
 ITE00100554,18001019,TMAX,150,,,E,  
 ITE00100554,18001019,TMIN,75,,,E,  
 GM000010962,18001019,PRCP,0,,,E,  
 EZE00100082,18001019,TMAX,127,,,E,  
 EZE00100082,18001019,TMIN,85,,,E,  
 ITE00100554,18001020,TMAX,149,,,E,  
 ITE00100554,18001020,TMIN,69,,,E,  
 GM000010962,18001020,PRCP,0,,,E,  
 EZE00100082,18001020,TMAX,136,,,E,  
 EZE00100082,18001020,TMIN,75,,,E,  
 ITE00100554,18001021,TMAX,148,,,E,  
 ITE00100554,18001021,TMIN,71,,,E,  
 GM000010962,18001021,PRCP,0,,,E,  
 EZE00100082,18001021,TMAX,133,,,E,

EZE00100082,18001021,TMIN,60,,,E,  
 ITE00100554,18001022,TMAX,129,,,E,  
 ITE00100554,18001022,TMIN,110,,,E,  
 GM000010962,18001022,PRCP,12,,,E,  
 EZE00100082,18001022,TMAX,106,,,E,  
 EZE00100082,18001022,TMIN,52,,,E,  
 ITE00100554,18001023,TMAX,116,,,E,  
 ITE00100554,18001023,TMIN,113,,,E,  
 GM000010962,18001023,PRCP,11,,,E,  
 EZE00100082,18001023,TMAX,75,,,E,  
 EZE00100082,18001023,TMIN,44,,,E,  
 ITE00100554,18001024,TMAX,104,,,E,  
 ITE00100554,18001024,TMIN,44,,,E,  
 GM000010962,18001024,PRCP,0,,,E,  
 EZE00100082,18001024,TMAX,92,,,E,  
 EZE00100082,18001024,TMIN,33,,,E,  
 ITE00100554,18001025,TMAX,121,,,E,  
 ITE00100554,18001025,TMIN,31,,,E,  
 GM000010962,18001025,PRCP,0,,,E,  
 EZE00100082,18001025,TMAX,76,,,E,  
 EZE00100082,18001025,TMIN,-11,,,E,  
 ITE00100554,18001026,TMAX,129,,,E,  
 ITE00100554,18001026,TMIN,50,,,E,  
 GM000010962,18001026,PRCP,0,,,E,  
 EZE00100082,18001026,TMAX,90,,,E,  
 EZE00100082,18001026,TMIN,55,,,E,  
 ITE00100554,18001027,TMAX,134,,,E,  
 ITE00100554,18001027,TMIN,60,,,E,  
 GM000010962,18001027,PRCP,0,,,E,  
 EZE00100082,18001027,TMAX,102,,,E,  
 EZE00100082,18001027,TMIN,45,,,E,  
 ITE00100554,18001028,TMAX,148,,,E,  
 ITE00100554,18001028,TMIN,125,,,E,  
 GM000010962,18001028,PRCP,0,,,E,  
 EZE00100082,18001028,TMAX,99,,,E,  
 EZE00100082,18001028,TMIN,59,,,E,  
 ITE00100554,18001029,TMAX,150,,,E,  
 ITE00100554,18001029,TMIN,113,,,E,  
 GM000010962,18001029,PRCP,2,,,E,  
 EZE00100082,18001029,TMAX,97,,,E,  
 EZE00100082,18001029,TMIN,60,,,E,  
 ITE00100554,18001030,TMAX,150,,,E,  
 ITE00100554,18001030,TMIN,116,,,E,  
 GM000010962,18001030,PRCP,0,,,E,  
 EZE00100082,18001030,TMAX,123,,,E,  
 EZE00100082,18001030,TMIN,70,,,E,  
 ITE00100554,18001031,TMAX,125,,,E,  
 ITE00100554,18001031,TMIN,116,,,E,



GM000010962,18001031,PRCP,0,,E,  
 EZE00100082,18001031,TMAX,90,,E,  
 EZE00100082,18001031,TMIN,22,,E,  
 ITE00100554,18001101,TMAX,150,,E,  
 ITE00100554,18001101,TMIN,116,,E,  
 GM000010962,18001101,PRCP,20,,E,  
 EZE00100082,18001101,TMAX,88,,E,  
 EZE00100082,18001101,TMIN,57,,E,  
 ITE00100554,18001102,TMAX,141,,E,  
 ITE00100554,18001102,TMIN,116,,E,  
 GM000010962,18001102,PRCP,63,,E,  
 EZE00100082,18001102,TMAX,93,,E,  
 EZE00100082,18001102,TMIN,60,,E,  
 ITE00100554,18001103,TMAX,135,,E,  
 ITE00100554,18001103,TMIN,90,,E,  
 GM000010962,18001103,PRCP,0,,E,  
 EZE00100082,18001103,TMAX,114,,E,  
 EZE00100082,18001103,TMIN,79,,E,  
 ITE00100554,18001104,TMAX,113,,E,  
 ITE00100554,18001104,TMIN,106,,E,  
 GM000010962,18001104,PRCP,0,,E,  
 EZE00100082,18001104,TMAX,116,,E,  
 EZE00100082,18001104,TMIN,79,,E,  
 ITE00100554,18001105,TMAX,109,,E,  
 ITE00100554,18001105,TMIN,100,,E,  
 GM000010962,18001105,PRCP,54,,E,  
 EZE00100082,18001105,TMAX,85,,E,  
 EZE00100082,18001105,TMIN,61,,E,  
 ITE00100554,18001106,TMAX,113,,E,  
 ITE00100554,18001106,TMIN,48,,E,  
 GM000010962,18001106,PRCP,59,,E,  
 EZE00100082,18001106,TMAX,84,,E,  
 EZE00100082,18001106,TMIN,51,,E,  
 ITE00100554,18001107,TMAX,123,,E,  
 ITE00100554,18001107,TMIN,50,,E,  
 GM000010962,18001107,PRCP,25,,E,  
 EZE00100082,18001107,TMAX,86,,E,  
 EZE00100082,18001107,TMIN,45,,E,  
 ITE00100554,18001108,TMAX,110,,E,  
 ITE00100554,18001108,TMIN,98,,E,  
 GM000010962,18001108,PRCP,0,,E,  
 EZE00100082,18001108,TMAX,122,,E,  
 EZE00100082,18001108,TMIN,74,,E,  
 ITE00100554,18001109,TMAX,113,,E,  
 ITE00100554,18001109,TMIN,109,,E,  
 GM000010962,18001109,PRCP,4,,E,  
 EZE00100082,18001109,TMAX,173,,E,  
 EZE00100082,18001109,TMIN,122,,E,

ITE00100554,18001110,TMAX,146,,,E,  
 ITE00100554,18001110,TMIN,104,,,E,  
 GM000010962,18001110,PRCP,0,,,E,  
 EZE00100082,18001110,TMAX,147,,,E,  
 EZE00100082,18001110,TMIN,64,,,E,  
 ITE00100554,18001111,TMAX,146,,,E,  
 ITE00100554,18001111,TMIN,116,,,E,  
 GM000010962,18001111,PRCP,0,,,E,  
 EZE00100082,18001111,TMAX,97,,,E,  
 EZE00100082,18001111,TMIN,43,,,E,  
 ITE00100554,18001112,TMAX,134,,,E,  
 ITE00100554,18001112,TMIN,121,,,E,  
 GM000010962,18001112,PRCP,0,,,E,  
 EZE00100082,18001112,TMAX,103,,,E,  
 EZE00100082,18001112,TMIN,45,,,E,  
 ITE00100554,18001113,TMAX,113,,,E,  
 ITE00100554,18001113,TMIN,98,,,E,  
 GM000010962,18001113,PRCP,42,,,E,  
 EZE00100082,18001113,TMAX,80,,,E,  
 EZE00100082,18001113,TMIN,50,,,E,  
 ITE00100554,18001114,TMAX,131,,,E,  
 ITE00100554,18001114,TMIN,88,,,E,  
 GM000010962,18001114,PRCP,39,,,E,  
 EZE00100082,18001114,TMAX,81,,,E,  
 EZE00100082,18001114,TMIN,27,,,E,  
 ITE00100554,18001115,TMAX,119,,,E,  
 ITE00100554,18001115,TMIN,66,,,E,  
 GM000010962,18001115,PRCP,0,,,E,  
 EZE00100082,18001115,TMAX,44,,,E,  
 EZE00100082,18001115,TMIN,1,,,E,  
 ITE00100554,18001116,TMAX,94,,,E,  
 ITE00100554,18001116,TMIN,94,,,E,  
 GM000010962,18001116,PRCP,0,,,E,  
 EZE00100082,18001116,TMAX,63,,,E,  
 EZE00100082,18001116,TMIN,30,,,E,  
 ITE00100554,18001117,TMAX,94,,,E,  
 ITE00100554,18001117,TMIN,79,,,E,  
 GM000010962,18001117,PRCP,47,,,E,  
 EZE00100082,18001117,TMAX,70,,,E,  
 EZE00100082,18001117,TMIN,44,,,E,  
 ITE00100554,18001118,TMAX,98,,,E,  
 ITE00100554,18001118,TMIN,54,,,E,  
 GM000010962,18001118,PRCP,13,,,E,  
 EZE00100082,18001118,TMAX,70,,,E,  
 EZE00100082,18001118,TMIN,50,,,E,  
 ITE00100554,18001119,TMAX,109,,,E,  
 ITE00100554,18001119,TMIN,81,,,E,  
 GM000010962,18001119,PRCP,114,,,E,

EZE00100082,18001119,TMAX,68,,,E,  
 EZE00100082,18001119,TMIN,55,,,E,  
 ITE00100554,18001120,TMAX,116,,,E,  
 ITE00100554,18001120,TMIN,54,,,E,  
 GM000010962,18001120,PRCP,62,,,E,  
 EZE00100082,18001120,TMAX,57,,,E,  
 EZE00100082,18001120,TMIN,15,,,E,  
 ITE00100554,18001121,TMAX,91,,,E,  
 ITE00100554,18001121,TMIN,46,,,E,  
 GM000010962,18001121,PRCP,7,,,E,  
 EZE00100082,18001121,TMAX,29,,,E,  
 EZE00100082,18001121,TMIN,2,,,E,  
 ITE00100554,18001122,TMAX,60,,,E,  
 ITE00100554,18001122,TMIN,54,,,E,  
 GM000010962,18001122,PRCP,0,,,E,  
 EZE00100082,18001122,TMAX,34,,,E,  
 EZE00100082,18001122,TMIN,0,,,E,  
 ITE00100554,18001123,TMAX,69,,,E,  
 ITE00100554,18001123,TMIN,21,,,E,  
 GM000010962,18001123,PRCP,0,,,E,  
 EZE00100082,18001123,TMAX,58,,,E,  
 EZE00100082,18001123,TMIN,30,,,E,  
 ITE00100554,18001124,TMAX,63,,,E,  
 ITE00100554,18001124,TMIN,19,,,E,  
 GM000010962,18001124,PRCP,0,,,E,  
 EZE00100082,18001124,TMAX,69,,,E,  
 EZE00100082,18001124,TMIN,14,,,E,  
 ITE00100554,18001125,TMAX,63,,,E,  
 ITE00100554,18001125,TMIN,40,,,E,  
 GM000010962,18001125,PRCP,0,,,E,  
 EZE00100082,18001125,TMAX,43,,,E,  
 EZE00100082,18001125,TMIN,-5,,,E,  
 ITE00100554,18001126,TMAX,59,,,E,  
 ITE00100554,18001126,TMIN,54,,,E,  
 GM000010962,18001126,PRCP,0,,,E,  
 EZE00100082,18001126,TMAX,45,,,E,  
 EZE00100082,18001126,TMIN,-6,,,E,  
 ITE00100554,18001127,TMAX,48,,,E,  
 ITE00100554,18001127,TMIN,41,,,E,  
 GM000010962,18001127,PRCP,86,,,E,  
 EZE00100082,18001127,TMAX,56,,,E,  
 EZE00100082,18001127,TMIN,38,,,E,  
 ITE00100554,18001128,TMAX,63,,,E,  
 ITE00100554,18001128,TMIN,48,,,E,  
 GM000010962,18001128,PRCP,56,,,E,  
 EZE00100082,18001128,TMAX,38,,,E,  
 EZE00100082,18001128,TMIN,17,,,E,  
 ITE00100554,18001129,TMAX,66,,,E,

ITE00100554,18001129,TMIN,59,,,E,  
 GM000010962,18001129,PRCP,13,,,E,  
 EZE00100082,18001129,TMAX,42,,,E,  
 EZE00100082,18001129,TMIN,17,,,E,  
 ITE00100554,18001130,TMAX,66,,,E,  
 ITE00100554,18001130,TMIN,25,,,E,  
 GM000010962,18001130,PRCP,0,,,E,  
 EZE00100082,18001130,TMAX,22,,,E,  
 EZE00100082,18001130,TMIN,0,,,E,  
 ITE00100554,18001201,TMAX,29,,,E,  
 ITE00100554,18001201,TMIN,9,,,E,  
 GM000010962,18001201,PRCP,7,,,E,  
 EZE00100082,18001201,TMAX,34,,,E,  
 EZE00100082,18001201,TMIN,-2,,,E,  
 ITE00100554,18001202,TMAX,10,,,E,  
 ITE00100554,18001202,TMIN,-23,,,E,  
 GM000010962,18001202,PRCP,0,,,E,  
 EZE00100082,18001202,TMAX,39,,,E,  
 EZE00100082,18001202,TMIN,-5,,,E,  
 ITE00100554,18001203,TMAX,16,,,E,  
 ITE00100554,18001203,TMIN,-4,,,E,  
 GM000010962,18001203,PRCP,14,,,E,  
 EZE00100082,18001203,TMAX,49,,,E,  
 EZE00100082,18001203,TMIN,11,,,E,  
 ITE00100554,18001204,TMAX,13,,,E,  
 ITE00100554,18001204,TMIN,4,,,E,  
 GM000010962,18001204,PRCP,0,,,E,  
 EZE00100082,18001204,TMAX,34,,,E,  
 EZE00100082,18001204,TMIN,-5,,,E,  
 ITE00100554,18001205,TMAX,54,,,E,  
 ITE00100554,18001205,TMIN,19,,,E,  
 GM000010962,18001205,PRCP,0,,,E,  
 EZE00100082,18001205,TMAX,23,,,E,  
 EZE00100082,18001205,TMIN,4,,,E,  
 ITE00100554,18001206,TMAX,29,,,E,  
 ITE00100554,18001206,TMIN,13,,,E,  
 GM000010962,18001206,PRCP,0,,,E,  
 EZE00100082,18001206,TMAX,63,,,E,  
 EZE00100082,18001206,TMIN,19,,,E,  
 ITE00100554,18001207,TMAX,13,,,E,  
 ITE00100554,18001207,TMIN,3,,,E,  
 GM000010962,18001207,PRCP,0,,,E,  
 EZE00100082,18001207,TMAX,38,,,E,  
 EZE00100082,18001207,TMIN,0,,,E,  
 ITE00100554,18001208,TMAX,0,,,E,  
 ITE00100554,18001208,TMIN,-4,,,E,  
 GM000010962,18001208,PRCP,0,,,E,  
 EZE00100082,18001208,TMAX,24,,,E,

EZE00100082,18001208,TMIN,-4,,E,  
 ITE00100554,18001209,TMAX,10,,E,  
 ITE00100554,18001209,TMIN,-10,,E,  
 GM000010962,18001209,PRCP,0,,E,  
 EZE00100082,18001209,TMAX,24,,E,  
 EZE00100082,18001209,TMIN,-17,,E,  
 ITE00100554,18001210,TMAX,21,,I,E,  
 ITE00100554,18001210,TMIN,10,,E,  
 GM000010962,18001210,PRCP,0,,E,  
 EZE00100082,18001210,TMAX,27,,E,  
 EZE00100082,18001210,TMIN,-9,,E,  
 ITE00100554,18001211,TMAX,41,,E,  
 ITE00100554,18001211,TMIN,35,,I,E,  
 GM000010962,18001211,PRCP,0,,E,  
 EZE00100082,18001211,TMAX,47,,E,  
 EZE00100082,18001211,TMIN,23,,E,  
 ITE00100554,18001212,TMAX,46,,E,  
 ITE00100554,18001212,TMIN,29,,E,  
 GM000010962,18001212,PRCP,0,,E,  
 EZE00100082,18001212,TMAX,44,,E,  
 EZE00100082,18001212,TMIN,35,,E,  
 ITE00100554,18001213,TMAX,71,,E,  
 ITE00100554,18001213,TMIN,46,,E,  
 GM000010962,18001213,PRCP,0,,E,  
 EZE00100082,18001213,TMAX,45,,E,  
 EZE00100082,18001213,TMIN,35,,E,  
 ITE00100554,18001214,TMAX,85,,E,  
 ITE00100554,18001214,TMIN,66,,E,  
 GM000010962,18001214,PRCP,0,,E,  
 EZE00100082,18001214,TMAX,38,,E,  
 EZE00100082,18001214,TMIN,27,,E,  
 ITE00100554,18001215,TMAX,91,,E,  
 ITE00100554,18001215,TMIN,73,,E,  
 GM000010962,18001215,PRCP,0,,E,  
 EZE00100082,18001215,TMAX,27,,E,  
 EZE00100082,18001215,TMIN,23,,E,  
 ITE00100554,18001216,TMAX,66,,E,  
 ITE00100554,18001216,TMIN,60,,E,  
 GM000010962,18001216,PRCP,0,,E,  
 EZE00100082,18001216,TMAX,23,,E,  
 EZE00100082,18001216,TMIN,-3,,E,  
 ITE00100554,18001217,TMAX,50,,E,  
 ITE00100554,18001217,TMIN,50,,E,  
 GM000010962,18001217,PRCP,0,,E,  
 EZE00100082,18001217,TMAX,-1,,E,  
 EZE00100082,18001217,TMIN,-14,,E,  
 ITE00100554,18001218,TMAX,54,,E,  
 ITE00100554,18001218,TMIN,48,,I,E,

GM000010962,18001218,PRCP,0,,E,  
 EZE00100082,18001218,TMAX,-8,,E,  
 EZE00100082,18001218,TMIN,-35,,E,  
 ITE00100554,18001219,TMAX,29,,I,E,  
 ITE00100554,18001219,TMIN,29,,I,E,  
 GM000010962,18001219,PRCP,0,,E,  
 EZE00100082,18001219,TMAX,-14,,E,  
 EZE00100082,18001219,TMIN,-56,,E,  
 ITE00100554,18001220,TMAX,13,,I,E,  
 ITE00100554,18001220,TMIN,10,,E,  
 GM000010962,18001220,PRCP,0,,E,  
 EZE00100082,18001220,TMAX,-14,,E,  
 EZE00100082,18001220,TMIN,-64,,E,  
 ITE00100554,18001221,TMAX,10,,E,  
 ITE00100554,18001221,TMIN,-13,,E,  
 GM000010962,18001221,PRCP,0,,E,  
 EZE00100082,18001221,TMAX,4,,E,  
 EZE00100082,18001221,TMIN,-83,,E,  
 ITE00100554,18001222,TMAX,16,,E,  
 ITE00100554,18001222,TMIN,-13,,E,  
 GM000010962,18001222,PRCP,13,,E,  
 EZE00100082,18001222,TMAX,54,,E,  
 EZE00100082,18001222,TMIN,4,,E,  
 ITE00100554,18001223,TMAX,23,,E,  
 ITE00100554,18001223,TMIN,-16,,E,  
 GM000010962,18001223,PRCP,0,,E,  
 EZE00100082,18001223,TMAX,52,,E,  
 EZE00100082,18001223,TMIN,30,,E,  
 ITE00100554,18001224,TMAX,16,,E,  
 ITE00100554,18001224,TMIN,4,,E,  
 GM000010962,18001224,PRCP,0,,E,  
 EZE00100082,18001224,TMAX,30,,E,  
 EZE00100082,18001224,TMIN,6,,E,  
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 ITE00100554,18001225,TMIN,13,,E,  
 GM000010962,18001225,PRCP,0,,E,  
 EZE00100082,18001225,TMAX,21,,E,  
 EZE00100082,18001225,TMIN,11,,E,  
 ITE00100554,18001226,TMAX,38,,E,  
 ITE00100554,18001226,TMIN,25,,E,  
 GM000010962,18001226,PRCP,0,,E,  
 EZE00100082,18001226,TMAX,36,,E,  
 EZE00100082,18001226,TMIN,8,,E,  
 ITE00100554,18001227,TMAX,10,,I,E,  
 ITE00100554,18001227,TMIN,9,,E,  
 GM000010962,18001227,PRCP,0,,E,  
 EZE00100082,18001227,TMAX,47,,E,  
 EZE00100082,18001227,TMIN,20,,E,

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ITE00100554,18001228,TMAX,35,,E,  
ITE00100554,18001228,TMIN,25,,E,  
GM000010962,18001228,PRCP,7,,E,  
EZE00100082,18001228,TMAX,43,,E,  
EZE00100082,18001228,TMIN,7,,E,  
ITE00100554,18001229,TMAX,50,,E,  
ITE00100554,18001229,TMIN,16,,E,  
GM000010962,18001229,PRCP,9,,E,  
EZE00100082,18001229,TMAX,45,,E,  
EZE00100082,18001229,TMIN,-3,,E,  
ITE00100554,18001230,TMAX,50,,E,  
ITE00100554,18001230,TMIN,31,,E,  
GM000010962,18001230,PRCP,13,,E,  
EZE00100082,18001230,TMAX,96,,E,  
EZE00100082,18001230,TMIN,14,,E,  
ITE00100554,18001231,TMAX,50,,E,  
ITE00100554,18001231,TMIN,25,,E,  
GM000010962,18001231,PRCP,16,,E,  
EZE00100082,18001231,TMAX,14,,E,  
EZE00100082,18001231,TMIN,-4,,E,
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[0]: sc.stop()
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