```
In [1]:
                  import findspark
                  findspark.init()
In [2]:
                  from pyspark.sql import SparkSession
                  sparkSession.builder.master("local[1]").appName("SparkByExamples.com").getOrCreate()
                  sparkContext=spark.sparkContext
In [3]:
                  dataset = spark.read.csv('../data/carwood.csv',inferSchema = True, header = True)
In [4]:
                  dataset.show(5)
                 +----+
                 f1| f2| f3| f4|
                                                                                f5|
                                                                                                f6|
                                                                                                              f7|
                                                                                                                            f8|
                                                                                                                                           f9| f10| f11| f12| f13| f14| f15|
                 f17| f18| f19| f20| f21| f22| f23| f24| f25| f26| f27| f28| f29| f30| f31| f32| f
33| f34| f35| f36| f37| f38| f39| f40| f41| f42| f43| f44| f45| f46| f47| f48| f4
                 33|
                                                                                                                                                                                                                                                       f4
                                                      f52|
                           f50|
                                          f51|
                                                                      f53|
                                                                                    f54|
                                                                                                   f55|
                                                                                                                  f56|
                                                                                                                                f57|
                                                                                                                                               f58|
                                                                                                                                                              f59|
                                                                                                                                                                           f60|
                                                                                                                                                                                          f61|
                                                                                                                                                                                                        f62|
                                                                                                                                                                                                                       f63|
                                                                                                                                                                                                                                      f64|
                                                                                                                                                                                                                                                    f65
                        f66| f67|label|
                 +----+
                 | 170.39 | 167.28 | 143.44 | 124.67 | 139.01 | 125.83 | 144.33 | 151.26 | 175.51 | 171.31 | 161.9 | 146.92 | 141.8 | 140.91 | 132.8 | 128.48 |
                 170.83|161.06|169.61|168.07|154.88|149.33|152.91|152.61|137.09|169.59|183.01|180.44|164.55|152.63|157.77|165.07|180.08|169.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|180.09|
                 49.52 | 142.73 | 173.85 | 182.23 | 174.58 | 163.28 | 164.01 | 169.2 | 148.48 | 134.31 | 174.07 | 191.33 | 157.51 | 168.66 | 156.89 | 170.86 | 16
                 2.24|184.84|167.02|123.67|140.54|153.69|147.57|144.65|162.24|172.96|169.67|157.51|161.06|133.23|124.41|138.44|142
                  .93|137.13|134.44|
                                                             0 |
                 |169.75|190.96|175.53|138.27|137.47|139.23|133.23|130.25|147.73|163.93|167.36|171.52|155.54|139.34|151.95|\\ 149.3|169.75|190.96|170.52|155.54|139.34|151.95|\\ 149.3|169.75|190.96|170.52|155.54|139.34|151.95|\\ 149.3|169.75|190.96|170.52|155.54|139.34|151.95|\\ 149.3|169.75|190.96|170.52|155.54|139.34|151.95|\\ 149.3|169.36|170.52|155.54|139.34|151.95|\\ 149.3|169.36|170.52|155.54|139.34|151.95|\\ 149.3|169.36|170.52|155.54|139.34|151.95|\\ 149.3|169.36|170.52|155.54|139.34|151.95|\\ 149.3|169.36|170.52|155.54|139.34|151.95|\\ 149.3|169.36|170.52|155.54|139.36|170.52|155.54|139.34|151.95|\\ 149.3|169.36|170.52|155.54|139.36|170.52|155.54|139.34|151.95|\\ 149.3|169.36|170.52|155.54|139.36|170.52|155.54|139.36|170.52|155.54|139.36|170.52|155.54|139.36|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.52|155.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|170.54|1
                 i73.37| 141.0|i53.57|i28.45|i59.93|i65.33|i47.94|i43.74|i40.88|i82.53|i84.08|i48.09|i25.26|i39.67| 138.7|i32.86|
                 141.5| 145.4|164.58|170.71|127.83|133.99| 141.2|152.87|142.36|148.26|162.54|156.55|153.39|137.99|129.64|137.59|15
                 5.39|147.92|152.14|162.48|168.72|161.14|147.87|141.02|155.39|139.58|141.58|153.39| 141.0|148.43|168.12| 169.9|165
                 .64|166.86|137.69|
                                                             0|
                 | 153.69 | 153.68 | 144.02 | 158.73 | 178.87 | 157.04 | 152.92 | 147.52 | 142.87 | 165.26 | 160.39 | 137.86 | 149.62 | 153.43 | 152.6 | 162.85 |
                 146.35|167.11|134.27|126.81|136.28| 158.4|171.58| 161.6|162.91|143.14|129.73|125.97|151.09|177.89| 169.2|160.65|1
                 56.86|135.66|126.92|131.22|154.37|158.59|158.52|155.25|154.33|130.18|127.66|148.94|155.37|163.53| 139.7|143.79|14
                 1.61|166.88| 164.6|149.58|139.56|154.74|173.01|155.18|141.61|155.19|170.51|155.37|167.11|146.89|141.01|159.43|169
                 .68|163.24|165.17|
                                                             0 |
                 |131.69|151.56|151.05| 134.0|151.18|175.53|171.34|159.77|151.95| 146.1|148.53|140.28|138.16|145.44| 150.4|158.18|
                 163.8|152.43|171.49| 150.2|131.28|157.18|157.04|151.13|151.66|143.32|157.23|152.91|134.75|154.65|171.65| 160.3|15
                 7.73|143.67|145.87|151.73|147.09|151.21|157.96| 148.5| 156.6|147.45|153.18|156.58|157.83|147.98|143.47|142.83|138
                  .08|147.91|148.05|145.66|\ 156.5|167.52|151.33|129.51|138.08|164.25|155.82|157.83|152.43|150.82|146.58|128.85|140.
                 76|177.35|174.61|
                 | 162.85 | 158.88 | 132.27 | 138.41 | 143.98 | 159.3 | 177.26 | 180.58 | 159.34 | 164.66 | 138.04 | 132.76 | 157.88 | 165.58 | 173.64 | 163.5 |
                 127.97 | 167.31 | 141.39 | 147.02 | 137.52 | 135.46 | 146.41 | 159.09 | 164.53 | 148.45 | 130.76 | 136.22 | 144.86 | 127.38 | 137.09 | 159.08 | 127.38 | 137.09 | 159.08 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.09 | 127.38 | 137.38 | 137.09 | 127.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 137.38 | 1
                 53.25|182.49|187.75|139.37|117.12|124.07| 134.6|144.85|132.64|170.87|188.26|173.32|135.74|127.15|131.69| 127.8|14
                 9.46|114.16|100.11|154.02| 175.3|175.46|144.39|142.47|149.46| 132.8|130.96|135.74|167.31|188.21|179.52| 146.2|153
                                                          0|
                 .73|152.12|146.58|
                 +----+
                 only showing top 5 rows
In [5]:
                  print('Shape: Rows:', dataset.count(),',','Columns:',len(dataset.columns))
                  shape = [dataset.count(),len(dataset.columns)]
                 Shape: Rows: 2048 , Columns: 68
In [6]:
                  dataset.printSchema()
                 root
                   |-- f1: double (nullable = true)
                   |-- f2: double (nullable = true)
                   |-- f3: double (nullable = true)
                   |-- f4: double (nullable = true)
                    |-- f5: double (nullable = true)
                   i-- f6: double (nullable = true)
```

|-- f7: double (nullable = true) |-- f8: double (nullable = true) |-- f9: double (nullable = true)

```
|-- f10: double (nullable = true)
|-- f11: double (nullable = true)
|-- f12: double (nullable = true)
|-- f13: double (nullable = true)
|-- f14: double (nullable = true)
|-- f15: double (nullable = true)
|-- f16: double (nullable = true)
|-- f17: double (nullable = true)
|-- f18: double (nullable = true)
|-- f19: double (nullable = true)
|-- f20: double (nullable = true)
|-- f21: double (nullable = true)
|-- f22: double (nullable = true)
|-- f23: double (nullable = true)
|-- f24: double (nullable = true)
|-- f25: double (nullable = true)
|-- f26: double (nullable = true)
-- f27: double (nullable = true)
|-- f28: double (nullable = true)
i-- f29: double (nullable = true)
|-- f30: double (nullable = true)
|-- f31: double (nullable = true)
i-- f32: double (nullable = true)
|-- f33: double (nullable = true)
-- f34: double (nullable = true)
i-- f35: double (nullable = true)
|-- f36: double (nullable = true)
|-- f37: double (nullable = true)
|-- f38: double (nullable = true)
|-- f39: double (nullable = true)
|-- f40: double (nullable = true)
-- f41: double (nullable = true)
|-- f42: double (nullable = true)
|-- f43: double (nullable = true)
-- f44: double (nullable = true)
|-- f45: double (nullable = true)
i-- f46: double (nullable = true)
|-- f47: double (nullable = true)
|-- f48: double (nullable = true)
i-- f49: double (nullable = true)
|-- f50: double (nullable = true)
-- f51: double (nullable = true)
|-- f52: double (nullable = true)
|-- f53: double (nullable = true)
-- f54: double (nullable = true)
|-- f55: double (nullable = true)
|-- f56: double (nullable = true)
|-- f57: double (nullable = true)
|-- f58: double (nullable = true)
i-- f59: double (nullable = true)
i-- f60: double (nullable = true)
-- f61: double (nullable = true)
|-- f62: double (nullable = true)
i-- f63: double (nullable = true)
|-- f64: double (nullable = true)
|-- f65: double (nullable = true)
i-- f66: double (nullable = true)
|-- f67: double (nullable = true)
|-- label: integer (nullable = true)
```

```
In [7]:
            dataset.dtypes
           [('f1', 'double'),
Out[7]:
            ('f2',
('f3',
                      'double'),
                      'double'),
             ('f4', 'double'),
             ('f5',
                      'double'),
             `('f6',
                      'double'),
             ('f7',
                      'double'),
             `'f8',
                      'double'),
             ('f9',
                      'double').
             ('f10', 'double'),
             ('f11', 'double'),
             ('f12',
                       'double'),
             ('f13',
                       'double'),
             ('f14', 'double'),
('f15', 'double'),
                       'double'),
            ('f16', 'double'),
('f17', 'double'),
('f18', 'double'),
            ('f19', 'double'),
('f20', 'double'),
             ('f21', 'double'),
('f22', 'double'),
```

```
'double'),
        ('f24',
('f25',
               'double'),
        ('f26', 'double'),
        ('f27',
               'double'),
        ('f28', 'double'),
        ('f29', 'double'),
        ('f30', 'double'),
        ('f31', 'double'),
('f32', 'double'),
        ('f33',
               'double'),
        ('f34',
              'double'),
        ('f35',
              'double'),
        ('f36',
              'double'),
        ('f37',
              'double'),
        ('f38',
               'double'),
        ('f39', 'double'),
        ('f40', 'double'),
        ('f41',
('f42',
               'double'),
               'double'),
        ('f43', 'double'),
        ('f44',
               'double'),
        ('f45', 'double'),
        ('f46', 'double'),
        ('f47', 'double'),
        ('f48', 'double'),
        ('f49',
              'double'),
        ('f50', 'double'),
        ('f51', 'double'),
        ('f52', 'double'),
('f53', 'double'),
        ('f54', 'double'),
        ('f55', 'double'),
        ('f56', 'double'),
('f57', 'double'),
        ('f58', 'double'),
('f59', 'double'),
        ('f60', 'double'),
        ('f61', 'double'),
('f62', 'double'),
('f63', 'double'),
('f63', 'double'),
        ('f65', 'double'),
        ('f66', 'double'),
('f67', 'double'),
        ('label', 'int')]
In [8]:
       from pyspark.sql.functions import col,isnan,when,count
       dataset.select([count(when(col(c).contains('None') | \
                                col(c).contains('NULL') | \
                                col(c).isNull() | \
                                isnan(c), c
                               )).alias(c)
                         for c in dataset.columns]).show()
       +--+--+--+--+--+--+--+--+--+--+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+
       f1| f2| f3| f4| f5| f6| f7| f8| f9|f10|f11|f12|f13|f14|f15|f16|f17|f18|f19|f20|f21|f22|f23|f24|f25|f26|f27|f28|
       f29|f30|f31|f32|f33|f34|f35|f36|f37|f38|f39|f40|f41|f42|f43|f44|f45|f46|f47|f48|f49|f50|f51|f52|f53|f54|f55|f56|f
       57|f58|f59|f60|f61|f62|f63|f64|f65|f66|f67|label|
       +---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+
       In [9]:
       dataset.summary().show()
```

('f23', 'double'),

+		· · + ·	•	· · · · · · · · · · · · · · · · · · ·		
summary f6	f1 f7 f13	f2 f8 f14	f3 f9 f15	f4 f10 f16	f5 f11 f17	f12 f1
8	f19	f20	f21	f22	f23	f2
4 f31	f25 f32	f26 f33	f27 f34	f28 f35	f29 f36	f30 f
37 43	f38 f44	f39 f45	f40 f46	f41 f47	f42 f48	f
f49	f50	f51	f52	f53	f54	
f55 f61	f56 f62	f57 f63	f58 f64	f59 f65	f60 f66	
f67	label	·	· +		·	
	·	+	· +	· +	+	
· + ·	· + · · + + ·					
		'		•		
+	· +	· · + ·	· +	· +	+	
+ +	· · · · · · · · · · · · · · · · · · ·	·		·	•	
+		+			+	
+		+	20.40.	20401	22.40.1	
count 2048	2048 2048	2048 2048	2048 2048	2048 2048	2048 2048	20
18 048	2048 2048	2048 2048	2048 2048	2048 2048	2048 2048	2 2
)48	2048	2048	2048	2048	2048	2048
	2048 2048	2048 2048	2048 2048	2048 2048	2048 2048	2048 2048
2048 2048	2048	2048	2048	2048 2048	2048	
.048 .048	2048 2048	2048 2048	2048 2048	2048	2048 2048	
2048 2048	2048 2048	2048	2048	2048	2048	
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```
def getDuplicateColumns(dataset, shape):
    z = []
    y = []
    for x in range(shape[1]):
        if(dataset.select(dataset.columns[x]).collect() not in y):
            y.append(dataset.select(dataset.columns[x]).collect())
        else:
            z.append('f'+str(x+1))
    return z
    duplicateColumnNames = getDuplicateColumns(dataset, shape)
    print('Duplicate Columns are as follows')
    for col in duplicateColumnNames:
        print('Column name : ', col)
```

Duplicate Columns are as follows

Column name : f57 Column name : f60 Column name : f61

```
In [11]:
    dataset = dataset.drop(*duplicateColumnNames)
    print('Shape: Rows:', dataset.count(),',','Columns:',len(dataset.columns))
```

Shape: Rows: 2048 , Columns: 65

```
In [12]: dataset.show(10)
```

```
f9|
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                                            |169.75|190.96|175.53|138.27|137.47|139.23|133.23|130.25|147.73|163.93|167.36|171.52|155.54|139.34|151.95|\\ 149.3|169.75|190.96|175.53|138.27|137.47|139.23|133.23|130.25|147.73|163.93|167.36|171.52|155.54|139.34|151.95|\\ 149.3|169.75|190.96|175.53|138.27|137.47|139.23|133.23|130.25|147.73|163.93|167.36|171.52|155.54|139.34|151.95|\\ 149.3|169.75|190.96|175.53|138.27|137.47|139.23|133.23|130.25|147.73|163.93|167.36|171.52|155.54|139.34|151.95|\\ 149.3|169.75|190.96|175.53|138.27|137.47|139.23|133.23|130.25|147.73|163.93|167.36|171.52|155.54|139.34|151.95|\\ 149.3|169.75|190.96|175.53|138.27|137.47|139.23|133.23|139.25|147.73|163.93|167.36|171.52|155.54|139.34|151.95|\\ 149.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169.3|169
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                                            146.35|167.11|134.27|126.81|136.28| 158.4|171.58| 161.6|162.91|143.14|129.73|125.97|151.09|177.89| 169.2|160.65|1
                                            56.86|135.66|126.92|131.22|154.37|158.59|158.52|155.25|154.33|130.18|127.66|148.94|155.37|163.53| 139.7|143.79|14
                                            1.61 | 166.88 | 164.6 | 149.58 | 139.56 | 154.74 | 173.01 | 155.18 | 155.19 | 170.51 | 146.89 | 141.01 | 159.43 | 169.68 | 163.24 | 165.17 |
                                           01
                                            |131.69|151.56|151.05| 134.0|151.18|175.53|171.34|159.77|151.95| 146.1|148.53|140.28|138.16|145.44| 150.4|158.18|
                                            163.8 \\ | 152.43 \\ | 171.49 \\ | 150.2 \\ | 131.28 \\ | 157.18 \\ | 157.04 \\ | 151.13 \\ | 151.66 \\ | 143.32 \\ | 157.23 \\ | 152.91 \\ | 134.75 \\ | 154.65 \\ | 171.65 \\ | 160.3 \\ | 152.91 \\ | 152.91 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 153.65 \\ | 1
                                            7.73|143.67|145.87|151.73|147.09|151.21|157.96| 148.5| 156.6|147.45|153.18|156.58|157.83|147.98|143.47|142.83|138
                                             .08|147.91|148.05|145.66|\ 156.5|167.52|151.33|129.51|164.25|155.82|150.82|146.58|128.85|140.76|177.35|174.61|
                                           0|
                                            |162.85|158.88|132.27|138.41|143.98| 159.3|177.26|180.58|159.34|164.66|138.04|132.76|157.88|165.58|173.64| 163.5|162.85|162.85|163.88|162.27|138.41|143.98| 163.58|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.85|162.8
                                           127.97|167.31|141.39|147.02|137.52|135.46|146.41|159.09|164.53|148.45|130.76|136.22|144.86|127.38|137.09|159.08|1 53.25|182.49|187.75|139.37|117.12|124.07| 134.6|144.85|132.64|170.87|188.26|173.32|135.74|127.15|131.69| 127.8|14
                                           9.46|114.16|100.11|154.02| 175.3|175.46|144.39|142.47| 132.8|130.96|188.21|179.52| 146.2|153.73|152.12|146.58|
                                            01
                                            132.05|149.12|165.08|170.62|162.19| 157.1|145.86|149.52|162.84| 149.5|138.86|140.41|156.82|171.41|158.94|153.78|
                                            176.64|137.61| 169.6|149.55|138.69|142.72|172.72|172.08|156.74|154.95|155.39|152.42|146.35| 141.2|150.94|154.63|1
                                           50.24 | 140.62 | 144.13 | 159.41 | 148.12 | 149.68 | 139.02 | 121.29 | 132.76 | 161.71 | 157.6 | 165.57 | 142.59 | 151.45 | 153.89 | 152.43 | 15
                                           3.07|139.58|131.01| 155.6|157.89|162.75| 153.9|145.37|147.36|140.65|157.63|152.16|140.43|142.32|142.06|154.87|
                                            |153.59|142.25|157.33|156.08|149.33|162.97|150.25|146.47|145.99|137.82| \\ |152.9|161.64|150.23| \\ |170.7|185.03|174.97| \\ |153.59|142.25|157.33|156.08|149.33|162.97|150.25|146.47|145.99|137.82| \\ |152.9|161.64|150.23| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03|174.97| \\ |170.7|185.03| \\ |170.7|185.03| \\ |170.7|185.03| \\ |170.7|185.03| \\ |170.7|185.03| \\ |170.7|185.
                                            126.8|154.72|140.58|158.21|163.89| 159.1|178.79|181.28|188.27|105.94|127.84|152.78|161.62|163.97|179.15|180.57|17
                                           9.18 | 127.12 | 121.63 | 142.36 | 149.33 | 158.32 | 181.72 | 184.42 | 175.92 | 141.72 | 121.99 | 130.39 | 174.9 | 124.85 | 137.45 | 164.72 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.85 | 144.
                                             .44|165.39| 157.7|162.63|154.26|159.03| 143.8|125.68|159.71|149.75|162.83|162.37|162.75| 168.6|170.81| 168.1|
                                           01
                                            |167.68|153.49|149.19|148.71|166.03|167.04|153.06|157.48|133.57|143.66|167.27|172.45| 179.8|169.15| 150.5|152.77|
                                            127.77 | 147.58 | 127.63 | 143.08 | 167.35 | 176.35 | 165.35 | 168.15 | 168.1 | 129.51 | 129.52 | 142.58 | 161.59 | 167.7 | 162.09 | 167.67 | 1
                                            70.75|125.04| 126.4| 161.1|164.27|155.41|160.66|172.89|177.24|157.48|143.26|166.09|145.76|167.91|157.71|161.01|15
                                            5.85 | 169.13 | 159.15 | 160.73 | 156.99 | 152.19 | 168.29 | 171.96 | 150.72 | 154.01 | 145.01 | 164.87 | 157.2 | 147.07 | 162.98 | 167.99 |
                                           0|
                                            |136.48|130.02|131.72|152.04|163.03|172.93|170.11| \\ 165.2|166.41|120.67|119.02|135.76|147.52|164.59|176.47|168.61|
                                            166.5|121.19|133.17|111.33|114.23|127.57|155.83|178.35|186.52|168.26|149.86|131.02|140.33|135.15|145.21|164.04| 1
                                            73.8 | 153.96 | 122.81 | 125.75 | 156.86 | 164.41 | 151.03 | 154.61 | 163.85 | 151.98 | 120.14 | 131.17 | 142.04 | 161.46 | 158.05 | 143.62 | 142
                                             .59|146.69|167.86|144.87|119.45|140.61|173.71|158.99|145.14| \ 162.0|124.21|145.11|142.15|148.38|142.86|154.15|
                                           01
                                            |145.96|140.31|126.34|113.12|118.66|140.33| \\ |139.9|139.51| \\ |168.7|149.54|149.38|147.88|129.45|143.81|131.18|120.76|
                                            i72.49|i25.42|i52.75|i48.41|i53.47|i39.24|i38.86|i43.44| 117.8|i56.93|i45.75|i33.26|i46.65|i62.72|i56.35|i31.51|i
                                           36.35|151.53|143.73|127.52|140.33| \quad 168.8|163.12|136.13|150.21|148.94| \quad 173.1|158.82|121.89|137.21|154.26|160.58|151.89|131.19|158.82|121.89|137.21|154.26|160.58|151.19|158.82|121.19|158.82|121.19|158.82|121.19|158.82|121.19|158.82|121.19|158.82|121.19|158.82|121.19|158.82|121.19|158.82|121.19|158.82|121.19|158.82|121.19|158.82|121.19|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158.82|158|158.82|
                                           8.22 | 142.27 | 141.34 | 148.79 | 165.43 | 159.23 | 133.41 | 127.64 | 171.77 | 152.2 | 146.03 | 142.27 | 127.53 | 141.77 | 160.67 | 159.55 | 141.77 | 159.25 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.77 | 141.
                                           +----+
                                           only showing top 10 rows
In [13]:
                                               dataset.groupBy('label').count().show()
                                            |label|count|
                                            +----+
                                                                   1 | 1027 |
                                                                 0 | 1021 |
In [14]:
                                               from pyspark.sql.functions import rand
                                                dataset = dataset.orderBy(rand(), seed = 42)
```

In [15]:

```
train data spark, test data spark = dataset.randomSplit([0./, 0.3], seed = 42)
```

In [16]:

```
train_data_spark.show()
       print(train_data_spark.count(),len(train_data_spark.columns))
  +----+
  1| f2| f3| f4| f5| f6| f7| f8| f9| f10| f11| f12| f13| f14| f15| f16|
f18| f19| f20| f21| f22| f23| f24| f25| f26| f27| f28| f29| f30| f31| f32| f
f34| f35| f36| f37| f38| f39| f40| f41| f42| f43| f44| f45| f46| f47| f48| f4
                                       f1l
 ḟ17∣
 33|
                                                                                                                                                                                                                                                                                                                                                f55|
                                                                                                                                                                                                                                                                                                                                                                                                       f56| f58| f59| f62| f63| f64|
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              f65| f66| f67|label|
  81.658|74.135|82.693|80.986|76.554|71.027|71.266|73.515|76.465|75.408|79.352|76.214|73.669|73.44|72.776|73.168|79.184|76.704|76.883|73.998|73.675|73.495|71.236|72.027|74.663|78.967|77.934|76.194|72.563|74.817|74.085|74.799|7
 6.63|74.041|73.659|74.167|75.785|76.718|74.689|76.157|76.828|76.619|73.579|73.942|74.965|74.399|73.866|74.165|
 11
2.978 | 75.785 | 74.745 | 71.809 | 71.627 | 73.168 | 74.777 | 76.531 | 75.522 | 75.683 | 76.084 | 77.769 | 75.101 | 77.744 | 77.29 | 76.653 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.769 | 77.
  .984|79.512|79.076|77.793|76.683| 78.78|77.598|76.107|76.795|74.937|73.948|73.906| 74.25|74.473|72.279|71.657|
 1|
  52.89|52.644|52.521|53.245|54.076|54.703|55.828|55.597|51.534|48.902|48.745|49.138|51.571|53.886|54.711|56.125|
  50.511 | 70.562 | 50.598 | 52.741 | 51.283 | 50.101 | 50.896 | 53.606 | 56.056 | 45.491 | 48.195 | 49.278 | 48.171 | 50.61 | 51.991 | 53.303 | 53.606 | 53.606 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54.506 | 54
  3.177|47.332|49.503|49.663|50.509|51.015|51.998| 56.22|57.272|54.777|60.959|60.127|72.219|64.823|64.808|64.615|62
    .563 \\ | 67.716 \\ | 69.906 \\ | 65.599 \\ | 67.155 \\ | 67.964 \\ | 67.862 \\ | 63.668 \\ | 65.332 \\ | 67.716 \\ | 69.378 \\ | 72.013 \\ | 70.491 \\ | 69.301 \\ | 68.523 \\ | 72.039 \\ | 72.039 \\ | 72.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 73.039 \\ | 
  11
  |53.797|53.019|54.683|54.146|51.439|50.729|52.956|54.832|71.995|69.352|67.569|65.326|62.189|58.251|57.388|60.952|
 78.162|72.614|76.648|74.317|75.562|74.461|71.993|71.583| 69.92|78.205|75.946|74.091|72.021| 68.75| 66.85|68.649|6 7.546|75.417|75.074| 74.49|73.717|73.782|73.721|73.855|72.524| 75.79|79.416|81.611|73.636|78.888|78.533|80.201|79
    .694 | 80.373 | 78.897 | 78.26 | 78.578 | 81.455 | 78.866 | 79.65 | 77.364 | 75.317 | 69.978 | 68.231 | 67.721 | 71.721 | 70.272 | 70.367 | 70.272 | 70.367 | 70.272 | 70.367 | 70.272 | 70.367 | 70.272 | 70.367 | 70.272 | 70.367 | 70.272 | 70.367 | 70.272 | 70.367 | 70.272 | 70.367 | 70.272 | 70.367 | 70.272 | 70.367 | 70.272 | 70.367 | 70.272 | 70.367 | 70.272 | 70.367 | 70.272 | 70.367 | 70.272 | 70.367 | 70.272 | 70.367 | 70.272 | 70.367 | 70.272 | 70.367 | 70.272 | 70.367 | 70.272 | 70.367 | 70.272 | 70.367 | 70.272 | 70.367 | 70.272 | 70.367 | 70.272 | 70.367 | 70.272 | 70.367 | 70.272 | 70.367 | 70.272 | 70.367 | 70.272 | 70.367 | 70.272 | 70.272 | 70.272 | 70.367 | 70.272 | 70.272 | 70.367 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.272 | 70.27
  11
  |55.479|55.054|56.543|58.407|59.686|56.633| \\ 51.94|50.579|49.302|48.393|48.001|49.994| \\ 54.22|51.154|48.043|49.514| \\ 54.22|51.154|48.043|49.514| \\ 54.22|51.154|48.043|49.514| \\ 54.22|51.154|48.043|49.514| \\ 54.22|51.154|48.043|49.514| \\ 54.22|51.154|48.043|49.514| \\ 54.22|51.154|48.043|49.514| \\ 54.22|51.154|48.043|49.514| \\ 54.22|51.154|48.043|49.514| \\ 54.22|51.154|48.043|49.514| \\ 54.22|51.154|48.043|49.514| \\ 54.22|51.154|48.043|49.514| \\ 54.22|51.154|48.043|49.514| \\ 54.22|51.154|48.043|49.514| \\ 54.22|51.154|48.043|49.514| \\ 54.22|51.154|48.043|49.514| \\ 54.22|51.154|48.043|49.514| \\ 54.22|51.154|48.043|49.514| \\ 54.22|51.154|48.043|49.514| \\ 54.22|51.154|48.043|49.514| \\ 54.22|51.154|48.043|49.514| \\ 54.22|51.154|48.043|49.514| \\ 54.22|51.154|48.043|49.514| \\ 54.22|51.154|48.043|49.514| \\ 54.22|51.154|48.043|49.514| \\ 54.22|51.154|48.043|49.514| \\ 54.22|51.154|48.043|49.514| \\ 54.22|51.154|48.043|49.514| \\ 54.22|51.154|49.514|49.514| \\ 54.22|51.154|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|49.514|
  62.052|72.836|60.025|63.346|65.227|63.524|62.108|63.822|61.644|68.462|69.487|67.785| 65.39|66.193|65.816|65.937|6
  3.125| 70.14|71.925|67.169|64.757|67.372|67.288|66.811|69.723|74.123|72.745|69.667|69.983|67.161|66.735|65.598|71
    .735 \\ [67.821] \\ 71.443 \\ [72.819] \\ 72.881 \\ [70.316] \\ 70.473 \\ [70.452] \\ 71.3 \\ [73.25] \\ 72.747 \\ [75.128] \\ 75.233 \\ [75.559] \\ 73.027 \\ [72.437] \\ 72.437 \\ [75.128] \\ 73.25 \\ [72.747] \\ 74.28 \\ [73.28] \\ 74.28 \\ [73.28] \\ 74.28 \\ [73.28] \\ 74.28 \\ [73.28] \\ 74.28 \\ [73.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28] \\ 74.28 \\ [74.28
  11
  52.428|68.855|52.881|51.503|50.372|50.593| 52.55|53.025|51.822|50.618| 52.04|48.749| 46.67|44.992|45.669|46.245|45.589|46.734|45.279|42.499|45.096|44.383|43.993|43.201|46.394|43.346| 44.17|42.936|73.093|45.339|47.749|51.695|61
     .981|55.228|52.804|57.878|58.038|55.623| 53.75|57.431|65.664|64.881|66.734|61.005|63.976|67.768|67.972| 70.83|
  |59.747|61.359|59.965|59.313|60.739|59.535|60.489|61.938|61.534|62.838|60.584|64.204| \\ |67.23|67.339|63.315|62.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ |68.206| \\ 
  73.788 | 71.446 | 72.32 | 68.325 | 72.335 | 69.802 | 70.412 | 70.213 | 66.332 | 68.265 | 70.315 | 70.477 | 71.158 | 71.949 | 70.249 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72.949 | 72
  4.829|75.268|76.677|73.267|72.673|73.496| 70.03|72.028|74.956|80.235|78.572|78.593|70.239|73.911| 73.6|73.211| 7
  4.23|74.008|75.292|75.836|74.511|74.101|71.418|74.379| \ 76.91|76.099|72.281|71.696|75.498|73.935|73.494|72.941| \ 76.91|76.91|76.099|72.281|71.696|75.498|73.935|73.494|72.941| \ 76.91|76.91|76.099|72.281|71.696|75.498|73.935|73.494|72.941| \ 76.91|76.91|76.099|72.281|71.696|75.498|73.935|73.494|72.941| \ 76.91|76.91|76.099|72.281|71.696|75.498|73.935|73.494|72.941| \ 76.91|76.91|76.099|72.281|71.696|75.498|73.935|73.494|72.941| \ 76.91|76.91|76.099|72.281|71.696|75.498|73.935|73.494|72.941| \ 76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.91|76.
 11
  |59.862|61.461|60.634|59.889|56.573|55.893|56.445|55.057|55.439|56.933|55.559| 52.75|52.632|52.453|52.936|52.056|
  49.556|71.493|50.245|51.144|53.932|53.931|51.853| 49.33|50.498|48.196|51.489|50.589|50.445|52.208|49.684| 49.5|4
 8.129 \big| \quad 52.5 \big| 51.808 \big| 52.849 \big| 48.506 \big| 46.063 \big| 46.994 \big| 45.387 \big| 46.362 \big| 49.329 \big| 48.884 \big| 48.854 \big| \quad 73.66 \big| 49.071 \big| 47.362 \big| 43.998 \big| 49.071 \big| 47.362 \big| 47.071 \big| 47.362 \big| 47.071 \big| 47.362 \big| 47.071 \big| 47.0
    .322 | 40.565 | 43.186 | 53.211 | 51.71 | 49.922 | 51.953 | 52.492 | 49.822 | 53.308 | 68.489 | 70.373 | 67.582 | 67.105 | 65.857 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.387 | 69.3
  11
  \begin{array}{l} | \dot{6}0.788 | 59.564 | 58.077 | 56.502 | 59.711 | 62.184 | 62.183 | 65.753 | 58.947 | 58.873 | 59.663 | 58.678 | 60.359 | \\ 66.798 | & 70.88 | 68.046 | 68.291 | 68.158 | 72.751 | 72.971 | 75.177 | 75.173 | 76.507 | \\ & 74.78 | 73.365 | 75.577 | \\ & 79.29 | 79.733 | 81.073 | 77.75 | 79.29 | 79.733 | 79.29 | 79.733 | 79.29 | 79.733 | 79.29 | 79.733 | 79.29 | 79.733 | 79.29 | 79.733 | 79.29 | 79.733 | 79.29 | 79.733 | 79.29 | 79.733 | 79.29 | 79.733 | 79.29 | 79.733 | 79.29 | 79.29 | 79.733 | 79.29 | 79.29 | 79.29 | 79.733 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 | 79.29 
 9.816 | 76.769 | 78.322 | 76.796 | 76.431 | 79.438 | 81.299 | 80.978 | 78.533 | 75.015 | 76.271 | 79.398 | 69.482 | 79.222 | 76.702 | 76.368 | 72.202 | 76.702 | 76.368 | 72.202 | 76.702 | 76.368 | 72.202 | 76.702 | 76.368 | 72.202 | 76.702 | 76.368 | 76.202 | 76.702 | 76.368 | 76.202 | 76.702 | 76.368 | 76.202 | 76.702 | 76.368 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76.202 | 76
  .864|79.329|78.058|73.169|72.921|74.018|73.817|73.305| 72.98|75.334|72.707|69.984|70.249|68.829|68.717|71.238|
  11
  |61.779|63.149|63.247|62.871|63.979|64.643|62.349|62.549| \ 72.74|75.355|75.626|78.042|80.342|83.083|79.796|77.686|
  74.474|59.122| 80.64| 80.94|82.382|86.036|84.598|81.348|81.682|73.882|75.697|77.054|79.089|77.609|77.452|76.267|7
  5.147 | 69.198 | 68.713 | 68.105 | 70.19 | 69.066 | 68.829 | 68.575 | 67.709 | 67.872 | 69.026 | 67.785 | 59.341 | 66.828 | 68.569 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67.87 | 67
    .318 | 68.11 | 69.605 | 65.468 | 65.546 | 65.712 | 64.413 | 66.635 | 67.981 | 69.316 | 58.136 | 58.914 | 57.512 | 57.252 | 57.014 | 59.631 | 68.11 | 69.635 | 67.981 | 69.316 | 69.316 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.635 | 69.63
  11
  62.383 62.336 63.626 60.684 61.275 61.691 61.054 62.595 70.187 72.428 73.013 74.583 76.713 74.458 70.946 68.431
  75.253|77.709|71.858|69.643|68.798|65.827|61.651|58.788|57.576|64.559|63.674|66.721|62.125|58.624|59.528|58.638|5
 8.145|\dot{7}5.977|\dot{7}5.068|\dot{7}6.507|\dot{7}3.855|\dot{7}1.161|\dot{7}1.608|\dot{6}9.285|\dot{6}6.329|\dot{8}4.593|\dot{8}1.657|\dot{8}0.27|\dot{8}0.154|\dot{7}6.669|\dot{7}6.739|\dot{7}5.1|\dot{7}3.855|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.669|\dot{7}6.739|\dot{7}6.739|\dot{7}6.739|\dot{7}6.739|\dot{7}6.739|\dot{7}6.739|\dot{7}6.739|\dot{7}6.739|\dot{7}6.739|\dot{7}6.739|\dot{7}6.739|\dot{7}6.739|\dot{7}6.739|\dot{7}6.739|\dot{7}6.739|\dot{7}6.739|\dot{7}6.739|\dot{7}6.739|\dot{7}6.739|\dot
    .809|68.935|65.315| 81.02|80.484|81.901|78.896|77.535|70.955| 69.31|76.666|75.944|71.989|70.112|69.574|67.707|
 1|
  \begin{bmatrix} 62.53 | 62.055 | 59.721 | 60.916 | 62.446 | 61.202 | 61.059 | 64.516 | 72.571 | 70.054 | 65.539 | 62.404 | 64.832 | 61.474 | 60.299 | 62.648 | 84.905 | 75.437 | 81.286 | 77.121 | 75.392 | 73.704 | 68.674 | 65.498 | 69.128 | 86.87 | 85.714 | 79.25 | 74.527 | 71.985 | 72.165 | 70.504 | 70.25 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74.527 | 74
  1.522 + \frac{1}{3}5.728 + \frac{1}{3}7.842 + \frac{1}{3}4.114 + \frac{1}{3}8.137 + \frac{7}{7}5.21 + \frac{7}{7}5.786 + \frac{7}{7}4.2 + \frac{7}{7}7.678 + \frac{1}{3}4.009 + \frac{1}{3}2.181 + \frac{1}{3}1.291 + \frac{7}{7}2.255 + \frac{7}{7}8.275 + \frac{7}{7}5.068 + \frac{1}{9}9.968 + \frac{7}{7}7.078 + \frac{1}{3}2.128 +
    .539 | 70.831 | 75.738 | 84.362 | 83.977 | 84.405 | 80.693 | 80.247 | 80.524 | 82.632 | 77.589 | 75.704 | 76.371 | 77.214 | 75.215 | 76.288 | 77.589 | 75.704 | 76.371 | 77.214 | 75.215 | 76.288 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.589 | 77.
  11
   [63.378] \\ 63.595] \\ 63.858] \\ 61.815] \\ 61.629] \\ 62.566] \\ 62.57] \\ 64.905] \\ 57.152] \\ 58.059] \\ 57.815] \\ 56.438] \\ 53.845] \\ 53.752] \\ 57.13] \\ 57.936] \\ 62.57] \\ 64.905] \\ 57.152] \\ 58.059] \\ 57.815] \\ 56.438] \\ 53.845] \\ 53.752] \\ 57.13] \\ 57.936] \\ 62.57] \\ 64.905] \\ 57.152] \\ 58.059] \\ 57.815] \\ 56.438] \\ 53.845] \\ 53.752] \\ 57.13] \\ 57.936] \\ 62.57] \\ 64.905] \\ 57.152] \\ 58.059] \\ 57.815] \\ 56.438] \\ 53.845] \\ 53.752] \\ 57.13] \\ 57.936] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 64.905] \\ 
  54.226|61.207|55.663|55.857|54.798|56.071|56.472|55.794|57.968|52.554|53.585|55.033|54.103|53.413| 54.74|55.233|5
 8.207 | 54.962 | 53.697 | 57.577 | 60.624 | 57.058 | 56.336 | 57.644 | 59.656 | 53.182 | 51.636 | 51.886 | 63.433 | 52.419 | 51.597 | 49.435 | 47.258 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51.458 | 51
    .996 | 52.016 | 51.513 | 52.919 | 52.339 | \quad 51.62 | 50.307 | 47.823 | 48.068 | 47.957 | \quad 59.92 | \quad 59.63 | 61.318 | 58.562 | 59.873 | 61.742 | 59.63 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 61.742 | 6
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6.012|64.782|64.693|66.628|66.612| 66.05|68.258|69.023|67.173|69.186|69.894|70.311| 63.77|67.102|65.911|63.435|60

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.472 \\ [67.136] \\ [67.831] \\ [66.401] \\ [68.891] \\ [70.145] \\ [67.568] \\ [64.805] \\ [61.914] \\ [64.459] \\ [70.642] \\ [71.853] \\ [63.13] \\ [59.15] \\ [58.226] \\ [62.2] \\ [67.568] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.89] \\ [68.8
   1|
                 64.21|66.031|69.937|69.903| 68.34|65.065|62.806|66.488|63.244|68.647|69.719| 72.87|73.526|69.977|65.763|64.113|
58.107|79.407|60.771|63.49|67.412|65.103|68.595|66.523|65.934|64.302|64.145|65.42|67.309|67.038|63.135|64.805|69.916|63.514|63.03|65.28|67.917|69.678|70.8|69.968|72.455|75.301|74.614|74.568|78.774|73.79|74.357|75.482|81
   .759 | 70.379 | 68.454 | 80.982 | 81.329 | 82.245 | 80.002 | 79.683 | 78.621 | 76.048 | 81.299 | 80.526 | 79.027 | 79.778 | 78.062 | 78.816 | 79.027 | 79.778 | 79.027 | 79.778 | 79.027 | 79.778 | 79.027 | 79.778 | 79.027 | 79.778 | 79.027 | 79.778 | 79.027 | 79.778 | 79.027 | 79.778 | 79.027 | 79.778 | 79.027 | 79.778 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.027 | 79.
   11
  \begin{array}{l} | \dot{6}4.284 | 67.737 | 73.672 | 74.796 | 74.153 | 73.429 | 74.551 | 75.617 | 63.722 | & 67.51 | 72.562 | 72.341 | 72.499 | 70.978 | 71.028 | 72.073 | \\ 63.145 | 66.585 | 66.201 | 65.164 | 67.991 | 71.027 | & 71.56 | 70.935 | 70.631 | & 63.72 | 64.584 | 66.201 | 68.033 | 69.392 | 72.176 | 72.009 | 72.176 | 72.009 | 72.176 | 72.009 | 73.176 | 72.009 | 73.176 | 72.009 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.176 | 73.
   4.061|60.858| 59.81|61.317|58.578|62.714|65.748|70.024|70.844|50.229|48.223|49.993|65.024|50.625|54.249|56.432|55
   .173 | 56.092 | 58.088 | 52.646 | 52.527 | 53.036 | 53.669 | 56.177 | 57.154 | 62.948 | 65.607 | 58.167 | 60.707 | 64.877 | 70.63 | 75.013 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 | 70.63 |
   11
   |64.461|64.516|63.507|63.035|66.788|65.663| \\ |61.26|62.442| \\ |72.74|69.885|67.608|65.899|68.437|68.562| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| \\ |64.64|62.953| 
   72.213|56.084|68.289|66.959|66.239|68.649|69.044|64.933|63.734| 77.32|73.576| 69.74|70.043| 69.59|72.193|69.008|
 65.84 | 77.745| \ 75.13 | 73.465 | 70.191 | 69.144 | 71.081 | 69.397 | \ 67.53 | 71.959 | \ 70.24 | 66.585 | 59.592 | 65.528 | 66.257 | 66.812 | 68.812 | 68.812 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 69.397 | 
    .554 \begin{bmatrix} 67.835 \\ 66.354 \\ 61.413 \\ 62.684 \\ 62.943 \\ 64.353 \\ 67.034 \\ 66.12 \\ 63.491 \\ 53.181 \\ 54.276 \\ 56.854 \\ 57.477 \\ 57.637 \\ 57.205 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\ 10.54 \\
   1|
   |65.917|68.042|68.329|69.163|69.766|70.623|72.034|74.749|58.563|62.577|66.207|68.527|72.961|77.465|78.078|84.079|
   63.995|74.599|63.034|59.125|59.071|61.701| 71.07|72.256|73.198|66.377|67.654|64.369|62.817|62.612|66.018| 66.52|
 65.19|75.184|75.759|76.254|74.408|72.333| \\ 69.055| \\ 68.421| \\ 69.932|76.768| \\ 72.909|70.084|77.206| \\ 69.199|71.225| \\ 69.772|73.206| \\ 72.909|70.084| \\ 73.206| \\ 73.206| \\ 73.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| \\ 74.206| 
   .103 | 65.622| \ 64.77 | 77.343 | 74.821 | 73.419 | 70.947 | \ 70.61 | 73.118 | 73.088 | 71.231 | 70.692 | 74.374 | 75.019 | 74.384 | \ 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.95 | 75.9
   11
   |66.272|58.525| \ 61.49|70.789|81.541|83.976|86.679|86.724|62.348|56.468|56.934|61.473|71.355|77.134|81.296|85.072|86.724|62.348|56.468|85.934|61.473|71.355|77.134|81.296|85.072|86.724|62.348|86.468|86.934|86.468|86.934|86.473|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.874|86.8
   56.052|68.268|53.482|53.872|57.579|61.129|71.011|77.793|79.158|65.317|61.243|58.586|60.744|66.579|73.028|76.717|7
6.802|64.888| 67.19| 62.95|66.235|72.024|73.126|74.066| 75.8|69.123|68.349|66.776|68.949|71.373|74.384|72.858| 7 2.87|72.215|72.049|71.902|73.907|69.231|68.292|73.052|73.297|72.391|68.396| 68.96|69.283|69.752|68.583|70.535|
   1|
   |66.658|65.623|66.483|66.943|65.704|67.222|65.657|68.509|73.334|69.897|67.506|65.518| \\ 62.94|60.329|60.078|60.171| \\ |66.658|65.623|66.483|66.943|65.704|67.222|65.657|68.509|73.334|69.897|67.506|65.518| \\ |66.658|65.623|66.483|66.943|65.704|67.222|65.657|68.509|73.334|69.897|67.506|65.518| \\ |66.658|65.623|66.483|66.943|65.704|67.222|65.657|68.509|73.334|69.897|67.506|65.518| \\ |66.658|65.623|66.483|66.943|65.704|67.222|65.657|68.509|73.334|69.897|67.506|65.518| \\ |66.658|65.623|66.483|66.943|65.704|67.222|65.657|68.509|73.334|69.897|67.506|65.518| \\ |66.658|65.623|66.483|66.943|65.704|67.222|65.657|68.509|73.334|69.897|67.506|65.518| \\ |66.658|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.623|65.6
73.419|84.232|70.926|68.138| 63.21|64.699|62.725|61.123|59.952|65.493|62.966|66.692|66.358|66.412|65.026|62.364|5
9.774|66.517|68.188|69.574|69.624|71.252|67.715|64.966|65.172|78.114|78.786|77.213| 84.26|78.129|74.764|72.548|74
    .549| 71.62|70.809| 83.13|83.953|81.449|78.958| 74.41|73.265|69.849|81.275|76.643|74.447|75.297|73.892|73.012|
   1|
   +----+
   only showing top 20 rows
   1484 65
       test data spark.show()
```

In [17]: print(test_data_spark.count(),len(test_data_spark.columns)) 1| f2| f3| f4| f5| f6| f7| f8| f9| f10| f11| f12| f13| f14| f15| f16| f18| f19| f20| f21| f22| f23| f24| f25| f26| f27| f28| f29| f30| f31| f32| f f34| f35| f36| f37| f38| f39| f40| f41| f42| f43| f44| f45| f46| f47| f48| f4 †17| 33| f56| f58| f59| f62| f63| f64| $|52.511|53.543| \ 53.75|51.629|49.214| \ 49.75|50.018| \ 48.29|51.031|53.001|53.099|52.927|52.204|52.687|55.477|54.809|$ 61.85|75.271|62.607|57.658|56.907|61.229|64.868|65.663| 66.23|64.351|65.696|65.251|67.543|68.325|68.938| 69.57|69 .759|68.322|71.198|69.489|69.527|70.854|70.417|72.564|75.872|69.417|68.513|68.886|74.253|69.927|71.283|72.277|76. 014|74.339|75.767|72.892|74.622|72.905|74.434|74.698|76.585| 76.87|75.381|74.404|73.044|72.042|75.249|75.434|1| |55.662|55.748|59.649|57.632|62.191|63.659|64.781|66.804|58.161|58.415|57.944|59.165|57.503|56.567|58.475|61.384| $55.997 \\ | 73.513 \\ | 58.067 \\ | 61.252 \\ | 58.802 \\ | 56.601 \\ | 53.879 \\ | 53.389 \\ | 59.164 \\ | 54.803 \\ | 55.047 \\ | 54.546 \\ | 53.686 \\ | 52.381 \\ | 50.808 \\ | 50.808 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\ | 50.883 \\$ 3.855|58.437|57.675|56.636|55.639|54.894|54.765|56.132| 60.39|70.006|67.962|69.123|75.117|68.692|67.512|66.561|66 $.957 \\ [68.737 \\] \\ 71.076 \\ [69.56 \\] \\ 67.299 \\] \\ 66.663 \\] \\ 66.203 \\ [65.88 \\] \\ 66.127 \\ [63.87 \\] \\ 75.387 \\] \\ 75.316 \\] \\ 75.203 \\] \\ 76.302 \\] \\ 73.891 \\] \\ 70.217 \\ 70.217 \\] \\ 70.217$ 1| 57.133| 61.74|62.219|62.903|64.589|67.159| 67.64|69.995|61.048|61.628|61.056|62.656|65.393|67.092| 68.86|72.265| 63.149|69.971|63.934|63.406| 61.74|64.049|69.103|68.111|72.206|64.652|65.289| 63.67|59.565|62.055|66.984| 68.67| 69.92|68.061|65.716|64.032|62.344|64.251|65.946|69.708|73.987|68.004|69.896|68.723|64.274|67.854| 67.84|72.024|78.066|74.372| 74.98|65.473|70.072|73.365|73.996|77.832|79.842|78.951|73.654| 76.33|80.693|78.107| 78.23|76.135|

 $\begin{array}{l} |59.406| & 61.01|63.612|65.067|64.525|67.823| & 66.35|64.413|52.944|54.123|56.146|56.202|56.639|57.606|58.949|57.733| \\ 48.361|71.196|51.671|52.333|53.464|56.149|55.206|57.278|54.268| & 47.75|48.261| & 47.26|48.259|52.255|52.886| & 53.44|55.424|49.004|48.788|51.666|54.056|55.845|57.214|55.155|54.111|51.781|48.751|51.978|70.458|52.885|53.037|55.777|54.802|55.221|54.292|61.945|60.935|59.322|59.689|56.407|56.035|53.041|74.025|73.191|69.461| & 64.86| & 62.93|64.217| \end{array}$

|61.625|57.217|55.576|54.024|54.184|57.244| 59.19|59.866|68.162|62.235|61.734|64.561|62.673|64.907|62.251|59.928|69.008|83.764|69.222|70.265|68.947|65.062| 64.95|66.355|67.779|70.182|71.925|75.238|70.579|68.378|70.624|74.542|7

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1.823 | 78.288 | 73.502 | 71.206 | 69.168 | 68.604 | 70.782 | 71.984 | 74.543 | 77.77 | 75.679 | 74.789 | 76.361 | 71.133 | 75.559 | 76.955 | 84.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.782 | 76.
   .071 | 79.424 | 78.765 | 78.41 | 77.927 | 81.347 | 79.519 | 81.393 | 86.229 | 82.182 | 84.851 | 85.252 | 84.715 | 84.734 | 84.279 | 81.273 | 84.279 | 81.273 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.279 | 84.2
  1|
  |61.734|64.408| |67.62|68.494|68.576|63.387|60.117|58.865|61.926|62.619|63.263|69.367|67.805|63.245|63.064|57.143|
 64.985|60.196|66.968|66.705|71.755|69.559|65.568|63.342|57.744|68.774|70.677|70.853|69.954|68.265|65.347|62.321|5
8.097 | 70.072 | 69.126 | 68.102 | 69.506 | 67.975 | 65.386 | 65.898 | 66.749 | 64.832 | 63.876 | 63.204 | 57.948 | 64.313 | 67.149 | 68.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69.218 | 69
 4.12 | 67.782 | 67.399 | 61.561 | 65.854 | 66.147 | 66.546 | 65.883 | 64.148 | 65.317 | 57.78 | 59.105 | 61.746 | 60.258 | 59.728 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.549 | 62.5
1|
               62.8|68.942|70.733| 72.27|74.104|70.765|70.433|73.389| 83.64|83.944|88.289|87.761|85.594|84.764|83.381| 84.21|
 88.539 | 91.711 | 88.984 | 89.777 | 89.711 | 90.207 | 88.429 | 89.882 | 90.201 | 86.99 | 89.028 | 87.721 | 87.014 | 88.114 | 85.218 | 88.576 | 90.201 | 86.99 | 89.028 | 87.721 | 87.014 | 88.114 | 85.218 | 88.576 | 90.201 | 86.99 | 89.028 | 87.721 | 87.014 | 88.114 | 87.014 | 88.114 | 87.014 | 88.114 | 87.014 | 88.114 | 87.014 | 88.114 | 87.014 | 88.114 | 87.014 | 88.114 | 87.014 | 88.114 | 87.014 | 88.114 | 87.014 | 88.114 | 87.014 | 88.114 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.014 | 87.0
 0.162 | 78.969 | 81.362 | 84.892 | 85.082 | 81.996 | 82.254 | 81.217 | 85.179 | 75.091 | 82.033 | 85.999 | 90.223 | 84.767 | 81.454 | 80.516 | 82.254 | 81.217 | 85.179 | 75.091 | 82.033 | 85.999 | 90.223 | 84.767 | 81.454 | 80.516 | 82.254 | 81.217 | 85.179 | 75.091 | 82.033 | 85.999 | 90.223 | 84.767 | 81.454 | 80.516 | 82.254 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81.217 | 81
  .219|80.471|82.209|81.035|85.185|87.327|88.542|85.139|80.844|85.389|93.813|92.941|92.318|91.933|86.628|86.684|
  11
   [63.384|65.347|67.293|65.818|68.409|71.619|73.612|70.232|62.096|64.167|64.131|65.126|71.325|80.822|79.995|77.892| ] [63.384|65.347|67.293|65.818|68.409|71.619|73.612|70.232|62.096|64.167|64.131|65.126|71.325|80.822|79.995|77.892| ] [63.384|65.347|67.293|65.818|68.409|71.619|73.612|70.232|62.096|64.167|64.131|65.126|71.325|80.822|79.995|77.892| ] [63.384|65.347|67.293|65.818|68.409|71.619|73.612|70.232|62.096|64.167|64.131|65.126|71.325|80.822|79.995|77.892| ] [63.384|65.347|67.293|65.818|68.409|71.619|73.612|70.232|62.096|64.167|64.131|65.126|71.325|80.822|79.995|77.892| ] [63.384|65.347|67.893|65.818|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893|65.893
  70.436|82.982|69.777| 71.28|71.076|71.766|75.921|77.333|79.169|73.688|71.286|72.013|73.677|74.157|76.264|79.803|8
  1.891 \\ [82.735] \\ [80.01] \\ [76.215] \\ [74.958] \\ [72.729] \\ [73.849] \\ [77.971] \\ [84.65] \\ [80.91] \\ [77.776] \\ [78.133] \\ [76.992] \\ [78.504] \\ [77.196] \\ [77.043] \\ [84.65] \\ [80.91] \\ [77.776] \\ [78.133] \\ [76.992] \\ [78.504] \\ [77.196] \\ [77.196] \\ [78.133] \\ [78.992] \\ [78.504] \\ [78.133] \\ [78.992] \\ [78.504] \\ [78.133] \\ [78.992] \\ [78.504] \\ [78.133] \\ [78.992] \\ [78.504] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.992] \\ [78.99
 3.48|78.962|82.056|80.023| 81.33|80.101|82.565|82.684|80.189|81.945|84.102|83.754|87.363|86.611|87.597|85.507|
  \lceil 64.004 \rceil 61.371 \rceil 60.146 \rceil 59.177 \rceil 60.706 \rceil 60.123 \rceil 57.281 \rceil 58.069 \rceil 57.733 \rceil 57.166 \rceil 57.822 \rceil 58.998 \rceil \phantom{|}56.99 \rceil 54.461 \rceil 53.486 \rceil 54.778 \rceil 56.99 \rceil
 57.327|63.081|55.753|55.711|56.272|55.188|51.364| 49.03|49.971|57.904|57.133| 55.74|54.123|54.801|49.798|48.762|4
 8.337 | 56.042 | 52.771 | 50.755 | 51.671 | 51.949 | 51.734 | 51.406 | 53.961 | 50.275 | 50.685 | 50.488 | 63.982 | 48.373 | 48.407 | 47.38 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.275 | 40.
  .721|45.962|48.894|50.706|52.479|48.546|42.369|42.543|45.416|50.894|58.237|51.939|48.726|51.113|59.896|69.192|
  [64.079] \\ 64.647 \\ [66.216] \\ 67.547 \\ [68.126] \\ 71.193 \\ [70.889] \\ 72.895 \\ [79.797] \\ [80.737] \\ [81.601] \\ [79.491] \\ [80.121] \\ [81.976] \\ [83.985] \\ [85.811] \\ [83.985] \\ [85.811] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.985] \\ [83.98
 83.994| 61.1|83.706|82.719|82.065|80.751|81.635|83.408|82.876|75.529|74.226|72.151|72.114|73.594|76.086| 76.51|7
6.756|\dot{7}0.059|\dot{7}1.302|\dot{7}0.478|\dot{6}9.67|\dot{6}9.598|\dot{7}4.431|\dot{7}4.397|\dot{7}5.382|\dot{7}2.087|\dot{7}2.255|\dot{6}9.078|\dot{6}2.857|\dot{6}8.203|\dot{6}6.635|\dot{6}8.011|\dot{5}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.598|\dot{7}4.431|\dot{7}4.397|\dot{7}5.382|\dot{7}2.255|\dot{6}9.078|\dot{6}2.857|\dot{6}8.203|\dot{6}6.635|\dot{6}8.011|\dot{5}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.598|\dot{7}4.431|\dot{7}4.397|\dot{7}5.382|\dot{7}2.255|\dot{6}9.078|\dot{6}2.857|\dot{6}8.203|\dot{6}6.635|\dot{6}8.011|\dot{5}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.598|\dot{7}4.431|\dot{7}4.397|\dot{7}5.382|\dot{7}2.255|\dot{6}9.078|\dot{6}2.857|\dot{6}8.203|\dot{6}6.635|\dot{6}8.011|\dot{5}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9.67|\dot{6}9
  .139|67.535|69.315|68.013| 67.84|67.167|62.397| 58.53|57.551|56.969|60.518|57.667|55.805|57.084|58.711|59.659|
  |65.167|64.757|65.674|67.307|67.538|67.053|65.567|66.037|63.803|61.757|61.783|64.155|63.872|63.204|62.067|60.701|
  54.086| 70.09|54.727|55.711|56.253|55.941|54.957|49.989|49.684|55.659| 55.67|59.671|58.714|59.671|60.998|57.243|5
 6.947 | 65.998 | 65.711 | 66.909 | 64.344 | 66.057 | 65.651 | 64.784 | 64.126 | 65.303 | 66.915 | 65.894 | 68.197 | 65.027 | 63.913 | 66.385 | 70.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60.000 | 60
  .938 | 70.987 | 72.104 | 65.018 | 66.73 | 68.634 | 69.049 | 70.263 | 72.973 | 73.604 | 72.03 | 72.787 | 72.937 | 71.79 | 70.405 | 70.09 | 70.09 | 70.405 | 70.09 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 70.405 | 
  11
  |65.633|63.843|65.408|69.745|69.677|69.875|70.502|71.232|74.077|73.682|76.209|76.115|77.981|75.999|76.089|79.135|
  89.156| 89.47|88.558|87.601|88.414| 87.21|85.945|84.439|83.119|87.755|89.783|89.955|90.279|90.071|87.023|87.946|8
5.313|86.825|86.973|90.798|90.548|87.203|85.962|86.935| 88.8|87.296|90.186|90.252|91.621|91.376|89.711|90.623|92.517|92.165|92.129|91.461|92.571|92.721|92.549|89.763|92.657|91.187|93.039|92.911|91.024|90.382|90.695|88.833|
 11
  |65.702|65.413|66.569|65.598|67.852|71.063|72.427|74.823|72.418|72.376|75.317|75.858|76.603|79.292|82.665|80.105|
  79.387 | 70.757 | 75.418 | 76.884 | 78.24 | 80.164 | 81.032 | 80.033 | 77.909 | 83.779 | 80.933 | 80.266 | 79.458 | 81.804 | 81.338 | 80.768 |
  78.97|84.087|82.095|81.737|79.633|78.894|81.903|82.843|79.933|78.134|78.567|77.273|69.958|77.029|73.568|75.323|75
   .358|78.001|76.637|78.885|78.514|77.515|73.736|74.793|78.011|72.605|71.006|70.483|67.373|65.674|67.011|64.704|
  |\overset{1}{6}6.066|67.368|68.996|67.981|68.833|68.162|68.083|70.634|67.008|68.256|70.419| \quad 70.9| \quad 69.84|69.053| \quad 70.83| \quad 75.0|
  77.569|67.658|73.991|74.488|73.987|74.168|76.323|75.943|77.795|76.843|77.613|76.926|76.352|77.494| 79.37|79.948|7
  8.915|70.186|71.746|69.712|71.907|74.017|73.749|76.151|77.112| 64.77|62.791|62.877|68.217|62.534|61.747|63.695|
 59.4|65.441|72.756|63.326|61.953|63.863|61.906|60.969|60.969| 63.25|66.274| 62.88|63.103|65.213|65.846|68.503|
  11
  |66.332|67.544| 66.97|66.256|69.167|70.901|71.507|72.774|65.539| 65.29|66.936|67.123|65.431|69.128|65.794|68.684|
  73.743|79.139|74.568|73.559|71.583|67.124|69.934|66.887|66.722|75.969|76.185|75.642|74.251|72.706|74.903|72.765|7
  4.245| 72.47|73.322|71.066|69.598|72.847|71.395|74.824|76.273|68.429|66.815|61.513|78.714|64.072|64.881|63.815|67
   .671 \mid 66.41 \mid 65.823 \mid 70.721 \mid 67.837 \mid 66.719 \mid 66.627 \mid 66.931 \mid 71.666 \mid 73.283 \mid 80.394 \mid 80.475 \mid 79.361 \mid 80.487 \mid 79.457 \mid 81.25 \mid 
  1|
  |66.362| 65.71|65.922| 65.88|67.347|68.625|68.396|68.196|67.612|65.567|67.179|66.945|66.089|68.467|68.008|65.114|
 66.437 | 73.126 | 64.024 | 67.265 | 67.749 | 68.029 | 67.207 | 67.755 | 64.241 | 62.248 | 61.405 | 60.142 | 61.103 | 62.101 | 62.975 | 64.871 | 62.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 64.875 | 6
 2.191 | 62.705 | 63.932 | 62.068 | 59.869 | 58.374 | 57.176 | 57.767 | 58.628 | 58.39 | 59.431 | 58.613 | 71.661 | 58.118 | 54.051 | 52.268 | 57.767 | 58.628 | 58.39 | 59.431 | 58.613 | 71.661 | 58.118 | 54.051 | 52.268 | 57.767 | 58.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.628 | 59.6
  .211|53.902|53.013| 61.46|62.185|58.503|58.001|54.885|58.222|57.286|70.096|67.247|67.147| 68.19|69.413|68.928|
 11
  |67.043|64.236|64.901|66.698|66.004|65.497|64.173|66.898|64.414|62.164| \ 63.64|65.794| \ 67.31|66.437|65.341|66.626|
  61.831|67.304|61.762|62.646|64.092|64.891|64.289|63.813|62.153|60.932|61.378|56.887|61.044|60.898|61.744|60.349|5
 8.853| 56.23|58.317|57.385|59.227| 56.48|54.039|53.381|52.242|51.004|54.138|53.644|69.031|55.148| 52.33|50.863|52
  .117 | 49.957 | 47.009 | 56.931 | 57.513 | 58.503 | 56.755 | 53.119 | 50.234 | 49.128 | 65.73 | 60.126 | 57.557 | 63.02 | 61.043 | 59.849 |
   | 67.619 | 71.722 | 68.699 | 63.55 | 68.327 | 71.728 | 70.477 | 66.271 | 67.487 | 69.413 | 65.935 | 62.822 | 65.039 | 64.389 | 62.926 | 59.099 | 63.55 | 62.822 | 65.039 | 64.389 | 62.926 | 69.039 | 64.389 | 62.926 | 69.039 | 64.389 | 62.926 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 69.039 | 
  66.451|62.076| 66.67|62.559|65.498|68.929|68.732|62.933|58.314|62.813|64.365|64.349|64.067|68.941|68.549|64.399|6
 6.035 \\ [ 63.525 ] \\ [ 61.14 \\ [ 62.654 \\ [ 63.277 \\ ] \\ [ 66.508 \\ [ 64.966 \\ ] \\ [ 65.422 \\ [ 65.422 \\ ] \\ [ 65.161 \\ [ 62.721 \\ ] \\ [ 61.42 \\ [ 64.224 \\ ] \\ [ 63.693 \\ [ 64.506 \\ ] \\ [ 66.204 \\ ] \\ [ 65.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] \\ [ 69.946 \\ ] 
  .847 | 65.378 | 63.663 | 62.876 | 61.043 | 62.656 | 64.513 | 67.44 | 69.194 | 67.326 | 65.465 | 65.954 | 67.077 | 70.768 | 70.707 | 70.757 |
  11
  67.621 | 63.42 | 61.733 | 65.349 | 65.604 | 67.332 | 68.975 | 67.469 | 49.963 | 49.888 | 51.72 | 53.802 | 57.909 | 56.762 | 57.195 | 54.658 |
  42.081|52.888|44.227|48.473|49.147|50.945|53.396|51.451|54.071|50.606|50.445|48.604|49.952|52.624|52.358|53.741|5
 6.487 \\ [54.186] \\ [53.891] \\ [50.315] \\ [48.892] \\ [51.07] \\ [50.005] \\ [52.939] \\ [54.958] \\ [48.941] \\ [50.283] \\ [49.325] \\ [54.559] \\ [48.172] \\ [45.733] \\ [46.233] \\ [50.283] \\ [49.325] \\ [54.559] \\ [48.172] \\ [45.733] \\ [46.233] \\ [50.283] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [48.342] \\ [4
  .827| 49.03|51.718|41.958|43.798|46.778|48.064|46.665|52.378|52.907|57.107|58.256|58.715| 60.68| 59.21|60.371|
  1|
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