

"Petroleum"

"Schools"

"Retail"

"Agricultural Manuf. & Transportation"

"Food Processing"

"High Tech"

"Manufacturing & Transportation"

"Biotech"

"Wastewater & Water Treatment"

"Unallocated"

"Government"

"Chemicals & Minerals"

"Healthcare"

"Agriculture"

"Residential"

"Manufacturing and Transportation"

"Offices"

"NONE"

"Hospitality"

%null%

"down"

"up"

%null%

"down"

"up"

"93426"

"93908"

"93912"

"94121"

"94606"

"95077"

"95127"

"95134"

"93413"

"93450"

"93950"

"93954"

"94118"

"94128"

"94626"

"94720"

"95014"

"95120"

"95155"

"95620"

"95766"

"Unmatched"

"93922"

"93944"

"94101"

"94109"

"94604"

"94702"

"95041"

"95051"

"95066"

"95129"

"95151"

"95201"

"95695"

"93925"

"94143"

"94603"

"94618"

"94804"

"95004"

"95017"

"95061"

"95111"

"95148"

"93210"

"93962"

"94107"

"94158"

"94622"

"94708"

"95060"

"95063"

"95138"

"95139"

"93429"

"93943"

"94102"

"94134"

"94613"

"94706"

"95030"

"95054"

"95076"

"95126"

"95192"

"95253"

"93907"

"94124"

"94130"

"94615"

"94709"

"95012"

"95064"

"95123"

"95161"

"93933"

"94132"

"94609"

"95033"

"95136"

"95350"

"93955"

"94110"

"94188"

"94621"

"94627"

"94710"

"95003"

"95032"

"95106"

"95133"

"93926"

"94117"

"94605"

"95020"

"95113"

"95121"

"95204"

"95816"

"76185"

"94103"

"94122"

"94619"

"94701"

"95001"

"95044"

"95065"

"95101"

"95119"

"93905"

"93906"

"94022"

"94111"

"94131"

"94608"

"94660"

"95018"

"95125"

"95141"

"93927"

"93932"

"94114"

"94602"

"94801"

"95010"

"95035"

"95112"

"95132"

"93446"

"93942"

"94104"

"94127"

"94614"

"94703"

"95019"

"95053"

"95062"

"95124"

"95191"

"94129"

"94611"

"95002"

"95005"

"95023"

"95070"

"95131"

"95135"

"93461"

"93928"

"93930"

"94105"

"94123"

"94501"

"94610"

"95045"

"95128"

"95130"

"93451"

"94112"

"94601"

"94806"

"95006"

"95007"

"95110"

"95117"

"93902"

"93920"

"93923"

"93940"

"93960"

"94119"

"94133"

"94612"

"94661"

"94704"

"95039"

"95050"

"95115"

"95118"

"95422"

"95776"

"95778"

"93921"

"93924"

"94108"

"94116"

"94659"

"94707"

"95073"

"95122"

"95153"

"95670"

"93901"

"93915"

"93953"

"94115"

"94151"

"94607"

"94623"

"94649"

"94705"

"95116"

"95154"

"Schools"

"Biotech"

"Wastewater & Water Treatment"

"Residential"

"Government"

"Healthcare"

"Retail"

"Chemicals & Minerals"

"High Tech"

"Petroleum"

"Manufacturing & Transportation"

"Unallocated"

"Agricultural Manuf. & Transportation"

"Agriculture"

"Hospitality"

"Food Processing"

"Offices"

Average

<

[Parameters].[ChosenMetric]

>

[oracle.41065.566250335651].[:Measure Names]

[oracle.41065.566250335651].[Action (NavtoSegmentTrends)]

In <[oracle.41065.566250335651].[none:YEAR:nk]>, the Non-Residential Average <[Parameters].[ChosenMetric]> per service agreement changed by

<[oracle.41065.566250335651].[Multiple Values]>

Æ

from the previous year. <[oracle.41065.566250335651].[EmissionsNote]>

The trends for each Non-Residential segment are shown below.

[oracle.41065.566250335651].[:Measure Names]

[oracle.41065.566250335651].[none:YEAR:nk]

Incorporated City of

<

[oracle.41064.729329062502].[none:TOT_CITY:nk]

>

Non-Residential Energy Overview 2005 TO 2012

[oracle.41064.729329062502],[none:TOT_CITY:nk]

[oracle.41065.566250335651].[attr:NavtoInstructions:nk]

[oracle.41065.566250335651].[Action (NavtoInstructions)]

[oracle.41065.566250335651].[attr:NavtoMain:nk]

[oracle.41065.566250335651],[attr:NavtoSavings:nk]

[oracle.41065.566250335651].[attr:NavtoSegmentTrends:nk]

[oracle.41065.566250335651].[attr:NAvtoSegImpact:nk]

[oracle.41065.566250335651],[Action (Go,NavtoMain)]

Click to

<

[oracle.41065.566250335651].[none:NavtoWEbsite:nk]

>

[oracle.41065.566250335651].[none:NavtoWEbsite:nk]

[oracle.41065.566250335651].[attr:NavtoZipImpact:nk]

Non-Residential Energy Overview, Released 8/5/2013

[oracle.41064.729329062502],[none:TOT_CITY:nk]

of

<

[oracle.41065.566250335651],[none:SALabel:nk]

>

Service Agreements

[oracle.41065.566250335651].[:Measure Names]

[oracle.41065.566250335651].[Exclusions (SALabel, YEAR)]

[oracle.41065.566250335651].[Action (NavtoSegmentTrends)]

#d62728

#d34949

#d16a6b

#ce8b8b

#ccaaab

#cacaca

#95bb95

#67ac67

#3f9d3f

#1c8e1c

#008000

In <[oracle.41065.566250335651].[none:YEAR:nk]>, the number of
<[oracle.41065.566250335651].[SALabel]> Non-Residential Service Agreements changed by

<[oracle.41065.566250335651].[Multiple Values]>

Æ

from the previous year.

The trends for each Non-Residential segment are shown below.

[oracle.41065.566250335651].[:Measure Names]

[oracle.41065.566250335651].[none:YEAR:nk]

of <[oracle.41064.729329062502].[none:ChosenMetricSALabel:nk]> Service Agreements

Æ

Rank

...

[oracle.41064.729329062502].[none:isYear:nk]

In <[Parameters].[Year]>,

<[oracle.41064.729329062502].[MARKET_SEGMENT]>

ranked

<[oracle.41064.729329062502].[sum:SA Rank:qk]>

of 16 in number of Service Agreements for <[Parameters].[ChosenMetric]>

[oracle.41064.729329062502].[none:MARKET_SEGMENT:nk]

<[Parameters].[ChosenMetric (copy 2)]> and Usage Comparison by Segment

C

Click a Segment to see the savings broken down by Technology Family for that segment Press
ESC to clear selection

Savings - Energy Efficiency Program Savings from 2006 to 2012 Usage - Total Usage from
2005 to 2012 Does not include Savings through Manufacturers / Distributors

For service locations categorized as

<[oracle.41065.708665613427].[MARKET_SEGMENT]>

,

the total <[oracle.41065.708665613427].[selectedSavingsUnit]> savings through PG&E programs ranked

<[oracle.41065.708665613427].[usr:Program Savings Rank:ok]>

of 17, while the total <[oracle.41065.708665613427].[selectedSavingsUnit]> usage ranked

<[oracle.41065.708665613427].[usr:UsageRank:qk]>

Æ

of 17.

For service locations categorized as

<[oracle.41065.708665613427].[MARKET_SEGMENT]>

,

the total <[oracle.41065.708665613427].[selectedSavingsUnit]> savings through PG&E programs ranked

<[oracle.41065.708665613427].[usr:Program Savings Rank:ok]>

of 17, while the total <[oracle.41065.708665613427].[selectedSavingsUnit]> usage ranked

<[oracle.41065.708665613427].[usr:UsageRank:qk]>

Æ

of 17.

For service locations categorized as

<[oracle.41065.708665613427].[MARKET_SEGMENT]>

,

the total <[oracle.41065.708665613427].[selectedSavingsUnit]> savings through PG&E programs ranked

<[oracle.41065.708665613427].[usr:Program Savings Rank:ok]>

of 17, while the total <[oracle.41065.708665613427].[selectedSavingsUnit]> usage ranked

<[oracle.41065.708665613427].[usr:UsageRank:qk]>

Æ

of 17.

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

([oracle.41065.708665613427].[sum:Savings:qk] +
[oracle.41065.708665613427].[attr:NormTotalUsage:qk])

<[Parameters].[ChosenMetric (copy 2)]> by Technology Family for:

<[oracle.41065.708665613427].[MARKET_SEGMENT]>

[oracle.41065.708665613427].[Action (Market Segment)]

From 2006 to 2010, for the selected segment(s),
<[oracle.41065.708665613427].[TECH_FAMILY]>
accounted for of <[oracle.41065.708665613427].[selectedSavingsUnit]> savings through
PG&E programs.

[oracle.41065.708665613427].[none:TECH_FAMILY:nk]

[oracle.41065.708665613427].[pcto:sum:Savings:qk]

Æ

<

[oracle.41064.729329062502],[none:TOT_CITY:nk]

>

Non-Residential PG&E Energy Efficiency Savings

[oracle.41064.729329062502],[none:TOT_CITY:nk]

Average <[oracle.41064.729329062502],[none:ChosenMetricLabel:nk]>

per Service Agreement

Rank

[oracle.41064.729329062502],[none:isYear:nk]

In <[Parameters].[Year]>,

<[oracle.41064.729329062502].[MARKET_SEGMENT]>

ranked

<[oracle.41064.729329062502].[sum:Avg rank:qk]>

of 16 in Average (Per Service Agreement) <[Parameters].[ChosenMetric]>

[oracle.41064.729329062502].[none:MARKET_SEGMENT:nk]

Market Segments

Service Location Types

Æ

Æ

Æ

Æ

Æ

[oracle.41064.729329062502].[none:isYear:nk]

In <[Parameters].[Year]>

<[oracle.41064.729329062502].[MARKET_SEGMENT]>

ranked

<[oracle.41064.729329062502].[sum:Total Rank:qk]>

of 16 in Annual Total <[Parameters].[ChosenMetric]>

Æ

ranked

<[oracle.41064.729329062502].[sum:Avg rank:qk]>

of 16 in Average (Per Service Agreement) <[Parameters].[ChosenMetric]> ranked

<[oracle.41064.729329062502].[sum:SA Rank:qk]>

of 16 in number of Service Agreements for <[Parameters].[ChosenMetric]>

Æ

[oracle.41064.729329062502].[none:MARKET_SEGMENT:nk]

Annual Total <[oracle.41064.729329062502].[none:ChosenMetricLabel:nk]>

Æ

Rank

...

[oracle.41064.729329062502],[none:isYear:nk]

In <[Parameters].[Year]>

<[oracle.41064.729329062502].[MARKET_SEGMENT]>

ranked

<[oracle.41064.729329062502].[sum:Total Rank:qk]>

of 16

Æ

in Annual Total <[Parameters].[ChosenMetric]>

Æ

[oracle.41064.729329062502].[none:MARKET_SEGMENT:nk]

Incorporated City of

<

[oracle.41064.729329062502],[none:TOT_CITY:nk]

>

Non-Residential Customer Segment Impact

[oracle.41064.729329062502],[none:TOT_CITY:nk]

Incorporated City of

<

[oracle.41064.729329062502].[TOT_CITY]

>

Non-Residential Segment Trends

[oracle.41064.729329062502],[none:TOT_CITY:nk]

Segment Contribution to

<

[Parameters].[Year]

>

Annual Total

<

[Parameters].[ChosenMetric]

>

Æ

Æ

.

Segments to the left of graph contribute more to Total <[Parameters].[ChosenMetric]>

Æ

.

Segments below the 80 % of Total line collectively make up 80% of Total

.

Steepness of curve = impact of the segments in that part of the curve

[oracle.41064.729329062502].[none:isYear:nk]

In <[Parameters].[Year]>,

<[oracle.41064.729329062502].[none:MARKET_SEGMENT:nk]>

ranked

<[oracle.41064.729329062502].[sum:Total Rank:qk]>

of 16

Æ

in Total <[Parameters].[ChosenMetric]>

Æ

In <[Parameters].[Year]>,

<[oracle.41064.729329062502].[none:MARKET_SEGMENT:nk]>

ranked

<[oracle.41064.729329062502].[sum:Total Rank:qk]>

of 16

Æ

in Total <[Parameters].[ChosenMetric]>

Æ

In <[Parameters].[Year]>,
<[oracle.41064.729329062502].[none:MARKET_SEGMENT:nk]>
ranked
<[oracle.41064.729329062502].[sum:Total Rank:qk]>
of 16
Æ
in Total <[Parameters].[ChosenMetric]>
Æ

([oracle.41064.729329062502].[usr:Norm Pareto:qk] + [oracle.41064.729329062502].[usr:MultiYear
Total Norm Pareto subtraction:qk])

[oracle.41064.729329062502].[none:MARKET_SEGMENT:nk]

Trend = Year over Year % change

Total <[Parameters].[ChosenMetric]>

"[oracle.41065.566250335651].[sum:ANNUAL_ELEC_SA_COUNT:qk]"

"[oracle.41065.566250335651].[sum:ANNUAL_GAS_SA_COUNT:qk]"

"[oracle.41065.566250335651].[sum:Number of Records:qk]"

"[oracle.41065.566250335651].[sum:TOTAL_ANNUAL_THERMS:qk]"

"[oracle.41065.566250335651].[sum:TOTAL_ANNUAL_KWH:qk]"

"[oracle.41065.566250335651].[sum:TOTAL_MBTU:qk]"

"[oracle.41065.566250335651].[sum:TOTAL_MTCO2:qk]"

"[oracle.41065.566250335651].[sum:AnnualTotal:qk]"

[oracle.41065.566250335651].[:Measure Names]

[oracle.41065.566250335651].[Action (NavtoSegmentTrends)]

In <[oracle.41065.566250335651].[none:YEAR:nk]>, the Non-Residential Total Annual
<[Parameters].[ChosenMetric]> changed by

<[oracle.41065.566250335651].[Multiple Values]>

Æ

from the previous year. <[oracle.41065.566250335651].[EmissionsNote]>

The trends for each Non-Residential segment are shown below.

([oracle.41065.566250335651].[:Measure Names] /
[oracle.41065.566250335651].[none:OverallTrendLabel:nk])

[oracle.41065.566250335651].[none:YEAR:nk]

Æ

-1

2005

In <[oracle.41064.729329062502].[yr:DateYear:ok]>, the Average Annual
<[Parameters].[ChosenMetric]> for

<[oracle.41064.729329062502].[MARKET_SEGMENT]>

changed by

<[oracle.41064.729329062502].[pcdf:sum:MultiYear Avg Norm:qk:1]>

from the previous year - a change of <[oracle.41064.729329062502].[pcdf:sum:MultiYear Avg
Norm:qk]> from 2005.

In <[oracle.41064.729329062502].[yr:DateYear:ok]>, the Average Annual
<[Parameters].[ChosenMetric]> for

<[oracle.41064.729329062502].[MARKET_SEGMENT]>

changed by

<[oracle.41064.729329062502].[pcdf:sum:MultiYear Avg Norm:qk:1]>

from the previous year - a change of <[oracle.41064.729329062502].[pcdf:sum:MultiYear Avg
Norm:qk]> from 2005.

In <[oracle.41064.729329062502].[yr:DateYear:ok]>, the Average Annual
<[Parameters].[ChosenMetric]> for

<[oracle.41064.729329062502].[MARKET_SEGMENT]>

changed by

<[oracle.41064.729329062502].[pcdf:sum:MultiYear Avg Norm:qk:1]>

from the previous year - a change of <[oracle.41064.729329062502].[pcdf:sum:MultiYear Avg
Norm:qk]> from 2005.

([oracle.41064.729329062502].[none:MARKET_SEGMENT:nk] *
([oracle.41064.729329062502].[sum:MultiYear Avg Norm:qk] +
[oracle.41064.729329062502].[sum:MultiYear Avg Norm:qk]))

[oracle.41064.729329062502].[yr:DateYear:ok]

Æ

-1

2005

In <[oracle.41064.729329062502].[yr:DateYear:ok]>, the number of
<[oracle.41064.729329062502].[ChosenMetricSALabel]> Service Agreements for

<[oracle.41064.729329062502].[MARKET_SEGMENT]>

changed by

<[oracle.41064.729329062502].[pcdf:sum:MultiYear SA Norm:qk:1]>

from the previous year - a change of <[oracle.41064.729329062502].[pcdf:sum:MultiYear SA
Norm:qk]> from 2005.

Æ

In <[oracle.41064.729329062502].[yr:DateYear:ok]>, the number of
<[oracle.41064.729329062502].[ChosenMetricSALabel]> Service Agreements for

<[oracle.41064.729329062502].[MARKET_SEGMENT]>

changed by

<[oracle.41064.729329062502].[pcdf:sum:MultiYear SA Norm:qk:1]>

from the previous year - a change of <[oracle.41064.729329062502].[pcdf:sum:MultiYear SA
Norm:qk]> from 2005.

Æ

In <[oracle.41064.729329062502].[yr:DateYear:ok]>, the number of
<[oracle.41064.729329062502].[ChosenMetricSALabel]> Service Agreements for

<[oracle.41064.729329062502].[MARKET_SEGMENT]>

changed by

<[oracle.41064.729329062502].[pcdf:sum:MultiYear SA Norm:qk:1]>

from the previous year - a change of <[oracle.41064.729329062502].[pcdf:sum:MultiYear SA
Norm:qk]> from 2005.

Æ

([oracle.41064.729329062502].[none:MARKET_SEGMENT:nk] *
([oracle.41064.729329062502].[sum:MultiYear SA Norm:qk] +
[oracle.41064.729329062502].[sum:MultiYear SA Norm:qk]))

[oracle.41064.729329062502].[yr:DateYear:ok]

Æ

-1

2005

In <[oracle.41064.729329062502].[yr:DateYear:ok]>, the Total Annual
<[Parameters].[ChosenMetric]> for

<[oracle.41064.729329062502].[MARKET_SEGMENT]>

changed by

<[oracle.41064.729329062502].[pcdf:sum:MultiYear Total Norm:qk:1]>

from the previous year - a change of <[oracle.41064.729329062502].[pcdf:sum:MultiYear Total
Norm:qk]> from 2005.

In <[oracle.41064.729329062502].[yr:DateYear:ok]>, the Total Annual
<[Parameters].[ChosenMetric]> for

<[oracle.41064.729329062502].[MARKET_SEGMENT]>

changed by

<[oracle.41064.729329062502].[pcdf:sum:MultiYear Total Norm:qk:1]>

from the previous year - a change of <[oracle.41064.729329062502].[pcdf:sum:MultiYear Total
Norm:qk]> from 2005.

In <[oracle.41064.729329062502].[yr:DateYear:ok]>, the Total Annual
<[Parameters].[ChosenMetric]> for

<[oracle.41064.729329062502].[MARKET_SEGMENT]>

changed by

<[oracle.41064.729329062502].[pcdf:sum:MultiYear Total Norm:qk:1]>

from the previous year - a change of <[oracle.41064.729329062502].[pcdf:sum:MultiYear Total Norm:qk]> from 2005.

([oracle.41064.729329062502].[none:MARKET_SEGMENT:nk] *
([oracle.41064.729329062502].[sum:MultiYear Total Norm:qk] +
[oracle.41064.729329062502].[sum:MultiYear Total Norm:qk]))

[oracle.41064.729329062502].[yr:DateYear:ok]

Average <[oracle.41065.642909513888].[ChosenMetricLabel]>

per Service Agreement

Rank

[oracle.41065.642909513888].[none:isYear:nk]

In <[Parameters].[Year]>

<[oracle.41065.642909513888].[ZIP]>

is ranked

<[oracle.41065.642909513888].[sum:Avg Rank:qk]>

in Average (Per Service Agreement) <[Parameters].[ChosenMetric]>

[oracle.41065.642909513888].[none:ZIP:nk]

of <[oracle.41065.642909513888],[ChosenMetricSALabel]> Service Agreements

Æ

Rank

[oracle.41065.642909513888],[none:isYear:nk]

In <[Parameters].[Year]>

<[oracle.41065.642909513888].[ZIP]>

Æ

is ranked

<[oracle.41065.642909513888].[sum:SA Rank:qk]>

in number of <[oracle.41065.642909513888].[ChosenMetricSALabel]> Service Agreements

[oracle.41065.642909513888].[none:ZIP:nk]

Annual Total <[oracle.41065.642909513888].[ChosenMetricLabel]>

Æ

Rank

[oracle.41065.642909513888].[none:isYear:nk]

In <[Parameters].[Year]>

<[oracle.41065.642909513888].[ZIP]>

is ranked

<[oracle.41065.642909513888].[sum:Total Rank:qk]>

in Total <[Parameters].[ChosenMetric]>

Æ

[oracle.41065.642909513888].[none:ZIP:nk]

Zip Codes

Æ

Æ

Æ

Æ

Æ

Æ

[oracle.41065.642909513888],[none:isYear:nk]

In <[Parameters].[Year]>

<[oracle.41065.642909513888].[ZIP]>

is ranked

<[oracle.41065.642909513888].[sum:Total Rank:qk]>

in Total <[Parameters].[ChosenMetric]>

Æ

is ranked

<[oracle.41065.642909513888].[sum:Avg Rank:qk]>

in Average (Per Service Agreement) <[Parameters].[ChosenMetric]>

is ranked

<[oracle.41065.642909513888].[sum:SA Rank:qk]>

in number of <[oracle.41065.642909513888].[ChosenMetricSALabel]> Service Agreements

[oracle.41065.642909513888].[none:ZIP:nk]

[oracle.41065.642909513888].[sum:One:qk]

Æ

Incorporated City of

<[oracle.41064.729329062502].[TOT_CITY]> Non-Residential Customer Zip Code Impact

[oracle.41064.729329062502].[none:TOT_CITY:nk]

Annual Total <[oracle.41065.642909513888].[none:ChosenMetricLabel:nk]> Map

Æ

Only the portions of zip-codes within the incorporated city are included.

[oracle.41065.642909513888],[none:isUnmatched:nk]

[oracle.41065.642909513888],[none:isYear:nk]

In <[Parameters],[Year]>,
<[oracle.41065.642909513888],[ZIP]>
ranked
<[oracle.41065.642909513888],[sum:Total Rank:qk]>
in Total <[Parameters],[ChosenMetric]>

[oracle.41065.642909513888],[Latitude (generated)]
[oracle.41065.642909513888],[Longitude (generated)]

Non-Residential Energy Overview

Legal Notice

This information was prepared by Pacific Gas and Electric Company for exclusive use by its employees. If others use this information, they assume all related risks. Neither Pacific Gas and Electric Company nor any of its employees: (1) makes any written or oral warranty, express or implied, including, but not limited to those of merchantability or fitness for a particular purpose; (2) assumes any legal liability or responsibility for or makes any representation or warranty regarding the accuracy, completeness, or usefulness of any information, data, device, product, process, method, policy or procedure contained or described herein; or (3) makes any warranty or representation as to whether the information or its use may infringe the intellectual property or proprietary rights of any person or entity (including, but not limited to, copyright, patents, or trademarks).

PG&E Emission Factors and Other information

Æ

Updated 4/15/2013

Æ

Conversions and Emissions Factors

per MT kWh to Mbtu - 0.0034120 Mbtu per kwh pounds to Metric Tons - 2204.62 lbs per MT Mteric Tons to kg - 1000 kg
therms to Mbtu - 0.10 Mbtu per therm

Usage Year Electricity Emissions Factor

Æ

Natural Gas Emissions Factor

Æ

2005

0.4890 lbs CO2 per kWh

11.701 lbs CO2 per therm

2006		
0.45600 lbs CO2 per kWh		11.701 lbs CO2 per therm
2007		
0.63570 lbs CO2 per kWh		11.701 lbs CO2 per therm
2008		
0.64100 lbs CO2 per kWh		11.701 lbs CO2 per therm
2009		
0.57500 lbs CO2 per kWh		11.701 lbs CO2 per therm
2010		
0.44500 lbs CO2 per kWh		11.701 lbs CO2 per therm
2011		
0.393 lbs CO2 per kWh		11.701 lbs CO2 per therm
2012		
0.453 lbs CO2 per kWh		11.701 lbs CO2 per therm

*PG&E's 2012 emission factor will be available in January 2014. As the CPUC GHG Calculator does not include a 2012 emission factor, we recommend using the "current" emission factor for 2012. These factors will be reviewed and updated annually.

Navigation

Select Electricity (kWh) or Natural Gas (therm)

Annual Ranking and Impact of Non-Residential Segments

SORT BY:

<

[Parameters].[ChosenMetric]

>

in

<

[Parameters].[Year]

>

Select Electricity, Natural Gas, Gas & Electricity Usage or CO2 Emissions

for

SHOW:

SORT BY:

* Trends for customer segments with less than 15 service agreements are not displayed to

protect customer privacy

Select Electricity, Natural Gas, Gas & Electricity Usage or CO2 Emissions

for

SORT BY:

<

[Parameters].[ChosenMetric]

>

in

<

[Parameters].[Year]

>

* Unmatched = The service locations for which the entered zip codes could not be matched to a zip code within the incorporated city boundary

Legal Notice

This information was prepared by Pacific Gas and Electric Company for exclusive use by its employees. If others use this information, they assume all related risks. Neither Pacific Gas and Electric Company nor any of its employees: (1) makes any written or oral warranty, express or implied, including, but not limited to those of merchantability or fitness for a particular purpose; (2) assumes any legal liability or responsibility for or makes any representation or warranty regarding the accuracy, completeness, or usefulness of any information, data, device, product, process, method, policy or procedure contained or described herein; or (3) makes any warranty or representation as to whether the information or its use may infringe the intellectual property or proprietary rights of any person or entity (including, but not limited to, copyright, patents, or trademarks).

SORT BY:

[oracle.41065.566250335651].[attr:NavtoMain:nk]

[oracle.41065.566250335651].[none:Go:nk]

[oracle.41065.566250335651].[none:NavtoMain:nk]

[oracle.41065.566250335651].[attr:NavtoMain:nk]

"Go"

"Main"

"Main"

SHOW:

SORT BY:

SORT BY:

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]
[oracle.41065.708665613427].[none:selectedSavingsUnit:nk]
[oracle.41065.708665613427].[sum:Savings:qk]
[oracle.41065.708665613427].[attr:NormTotalUsage:qk]
[oracle.41065.708665613427].[usr:Program Savings Rank:ok]
[oracle.41065.708665613427].[usr:Program Savings Rank:qk]
[oracle.41065.708665613427].[usr:UsageRank:qk]

"Unallocated"

"kwh"

4.7582125291117378e-005

0.34033229607736909

14

14

11

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:selectedSavingsUnit:nk]

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[usr:Program Savings Rank:ok]

[oracle.41065.708665613427].[usr:Program Savings Rank:qk]

[oracle.41065.708665613427].[usr:UsageRank:qk]

"Government"

"kwh"

0.0025595162479922213

2.0430076581335737

6

6

7

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:selectedSavingsUnit:nk]

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[usr:Program Savings Rank:ok]

[oracle.41065.708665613427].[usr:Program Savings Rank:qk]

[oracle.41065.708665613427].[usr:UsageRank:qk]

"Residential"

"kwh"

8.5471695247244997e-005

0.4089683403148236

13

13

10

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:selectedSavingsUnit:nk]

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[usr:Program Savings Rank:ok]

[oracle.41065.708665613427].[usr:Program Savings Rank:qk]

[oracle.41065.708665613427].[usr:UsageRank:qk]

"Agricultural Manuf. & Transportation"

"kwh"

0.00010118069643756299

0.28953943511355029

12

12

12

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:selectedSavingsUnit:nk]

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[usr:Program Savings Rank:ok]

[oracle.41065.708665613427].[usr:Program Savings Rank:qk]

[oracle.41065.708665613427].[usr:UsageRank:qk]

"Biotech"

"kwh"

0.00017566916219949411

0.13748107193947676

11

11

13

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:selectedSavingsUnit:nk]

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[usr:Program Savings Rank:ok]

[oracle.41065.708665613427].[usr:Program Savings Rank:qk]

[oracle.41065.708665613427].[usr:UsageRank:qk]

"Chemicals & Minerals"

"kwh"

0.00026963351014335451

0.031897114017148544

10

10

14

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:selectedSavingsUnit:nk]

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[usr:Program Savings Rank:ok]

[oracle.41065.708665613427].[usr:Program Savings Rank:qk]

[oracle.41065.708665613427].[usr:UsageRank:qk]

"Schools"

"kwh"

0.0013885025080767773

1.1468978845981523

9

9

9

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:selectedSavingsUnit:nk]

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[usr:Program Savings Rank:ok]

[oracle.41065.708665613427].[usr:Program Savings Rank:qk]

[oracle.41065.708665613427].[usr:UsageRank:qk]

"Healthcare"

"kwh"

0.001459715933511559

3.0161303955326648

8

8

4

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:selectedSavingsUnit:nk]

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[usr:Program Savings Rank:ok]

[oracle.41065.708665613427].[usr:Program Savings Rank:qk]

[oracle.41065.708665613427].[usr:UsageRank:qk]

"Food Processing"

"kwh"

0.0021018943613055193

1.2770694509777802

7

7

8

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:selectedSavingsUnit:nk]

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[usr:Program Savings Rank:ok]

[oracle.41065.708665613427].[usr:Program Savings Rank:qk]

[oracle.41065.708665613427].[usr:UsageRank:qk]

"Hospitality"

"kwh"

0.0035028927026225271

2.8469926974865998

5

5

5

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:selectedSavingsUnit:nk]

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[usr:Program Savings Rank:ok]

[oracle.41065.708665613427].[usr:Program Savings Rank:qk]

[oracle.41065.708665613427].[usr:UsageRank:qk]

"High Tech"

"kwh"

0.0038540129048885278

2.6278604444523288

4

4

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:selectedSavingsUnit:nk]

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[usr:Program Savings Rank:ok]

[oracle.41065.708665613427].[usr:Program Savings Rank:qk]

[oracle.41065.708665613427].[usr:UsageRank:qk]

"Retail"

"kwh"

0.0052065941829588062

3.1758073256627455

3

3

3

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:selectedSavingsUnit:nk]

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[usr:Program Savings Rank:ok]

[oracle.41065.708665613427].[usr:Program Savings Rank:qk]

[oracle.41065.708665613427].[usr:UsageRank:qk]

"Offices"

"kwh"

0.0059432820326348742

7.4024952003261246

2

2

1

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:selectedSavingsUnit:nk]

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[usr:Program Savings Rank:ok]

[oracle.41065.708665613427].[usr:Program Savings Rank:qk]

[oracle.41065.708665613427].[usr:UsageRank:qk]

"Manufacturing & Transportation"

"kwh"

0.0059474221405863715

3.8311772854973181

1

1

2

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:selectedSavingsUnit:nk]

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[usr:Program Savings Rank:ok]

[oracle.41065.708665613427].[usr:Program Savings Rank:qk]

[oracle.41065.708665613427].[usr:UsageRank:qk]

"Unallocated"

"kwh"

4.7582125291117378e-005

0.34033229607736909

14

14

11

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:selectedSavingsUnit:nk]

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[usr:Program Savings Rank:ok]

[oracle.41065.708665613427].[usr:Program Savings Rank:qk]

[oracle.41065.708665613427].[usr:UsageRank:qk]

"Residential"

"kwh"

8.5471695247244997e-005

0.4089683403148236

13

13

10

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:selectedSavingsUnit:nk]

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[usr:Program Savings Rank:ok]

[oracle.41065.708665613427].[usr:Program Savings Rank:qk]

[oracle.41065.708665613427].[usr:UsageRank:qk]

"Agricultural Manuf. & Transportation"

"kwh"

0.00010118069643756299

0.28953943511355029

12

12

12

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:selectedSavingsUnit:nk]

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[usr:Program Savings Rank:ok]

[oracle.41065.708665613427].[usr:Program Savings Rank:qk]

[oracle.41065.708665613427].[usr:UsageRank:qk]

"Biotech"

"kwh"

0.00017566916219949411

0.13748107193947676

11

11

13

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:selectedSavingsUnit:nk]

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[usr:Program Savings Rank:ok]

[oracle.41065.708665613427].[usr:Program Savings Rank:qk]

[oracle.41065.708665613427].[usr:UsageRank:qk]

"Chemicals & Minerals"

"kwh"

0.00026963351014335451

0.031897114017148544

10

10

14

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:selectedSavingsUnit:nk]

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[usr:Program Savings Rank:ok]

[oracle.41065.708665613427].[usr:Program Savings Rank:qk]

[oracle.41065.708665613427].[usr:UsageRank:qk]

"Schools"

"kwh"

0.0013885025080767773

1.1468978845981523

9

9

9

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:selectedSavingsUnit:nk]

[oracle.41065.708665613427].[sum:Savings:qk]
[oracle.41065.708665613427].[attr:NormTotalUsage:qk]
[oracle.41065.708665613427].[usr:Program Savings Rank:ok]
[oracle.41065.708665613427].[usr:Program Savings Rank:qk]
[oracle.41065.708665613427].[usr:UsageRank:qk]

"Healthcare"

"kwh"

0.001459715933511559

3.0161303955326648

8

8

4

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:selectedSavingsUnit:nk]

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[usr:Program Savings Rank:ok]

[oracle.41065.708665613427].[usr:Program Savings Rank:qk]

[oracle.41065.708665613427].[usr:UsageRank:qk]

"Food Processing"

"kwh"

0.0021018943613055193

1.2770694509777802

7

7

8

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:selectedSavingsUnit:nk]

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[usr:Program Savings Rank:ok]

[oracle.41065.708665613427].[usr:Program Savings Rank:qk]

[oracle.41065.708665613427].[usr:UsageRank:qk]

"Government"

"kwh"

0.0025595162479922213

2.0430076581335737

6

6

7

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:selectedSavingsUnit:nk]

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[usr:Program Savings Rank:ok]

[oracle.41065.708665613427].[usr:Program Savings Rank:qk]

[oracle.41065.708665613427].[usr:UsageRank:qk]

"Hospitality"

"kwh"

0.0035028927026225271

2.8469926974865998

5

5

5

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:selectedSavingsUnit:nk]

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[usr:Program Savings Rank:ok]

[oracle.41065.708665613427].[usr:Program Savings Rank:qk]

[oracle.41065.708665613427].[usr:UsageRank:qk]

"High Tech"

"kwh"

0.0038540129048885278

2.6278604444523288

4

4

6

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:selectedSavingsUnit:nk]

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[usr:Program Savings Rank:ok]

[oracle.41065.708665613427].[usr:Program Savings Rank:qk]

[oracle.41065.708665613427].[usr:UsageRank:qk]

"Retail"

"kwh"

0.0052065941829588062

3.1758073256627455

3

3

3

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:selectedSavingsUnit:nk]

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[usr:Program Savings Rank:ok]

[oracle.41065.708665613427].[usr:Program Savings Rank:qk]

[oracle.41065.708665613427].[usr:UsageRank:qk]

"Offices"

"kwh"

0.0059432820326348742

7.4024952003261246

2

2

1

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:MARKET_SEGMENT:nk]

[oracle.41065.708665613427].[none:selectedSavingsUnit:nk]

[oracle.41065.708665613427].[sum:Savings:qk]

[oracle.41065.708665613427].[attr:NormTotalUsage:qk]

[oracle.41065.708665613427].[usr:Program Savings Rank:ok]

[oracle.41065.708665613427].[usr:Program Savings Rank:qk]

[oracle.41065.708665613427].[usr:UsageRank:qk]

"Manufacturing & Transportation"

"kwh"

0.0059474221405863715

3.8311772854973181

1

1

2

iVBORw0KGgoAAAANSUHEUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAGogAAHUwAADqYAAAOpgAABdwnLpRPAAA
AvJJREFUWEftmNnrTVEUx3/mleSZ5leQ8kCSpMSbJILSI5QZuGRJ57kDzC8kAcy9FO8/5ly
lvBOyTxkzjx8P3VPnU57r7P2Oef6vdx3+5t37XW/uy159vV1SmdDAQzMF106TN0IGpV3oo
fWzpkT6vSselLdJ0acj/yOVQNbJYOiM9lf469Vx256SI0vB2gc5pgX1yQoXgv8j3gjSvSch+
CrZJelwDrAhL9rdJ/euCDIKAA9LPBuEy2N+Keaju3NzfJrg85EG1wSgll42JcMUGvAvolxy3
p9LNIsOTxGGtCkhHXqQsnBEyPpsIRyN1APHvkUZ5MrlIRt/6AJCFuLwMkFVbjXtNZJAYIyQO
g2jh+GLX907wvF3dlSbWa2mGBcjZWgWuqQwSZ5cFeKwEkC3hR8TGk0HmGTGsJjyyAHsNZwJz
5C2T3gfsygA/y2CNtF76brRzwwLkyhTqHXA7c46strcFWwuQDq3NGTCVYpCc09HylQLleVws
K1XxlMcfA+T2sy7gvy/SFItctHDhDGXwluq7A16rVPe15RMCJEShuDGqvzPc59o4SYcm8D3
9NuUgOcGA5DbdLFMUMUdo51nFiDXdGuFPYhAWjHvzEKfHxt37SCnSgBJMB9aZKXKGC3Tt9v
O+KftmlzJJ6NmuFmqLzFC0f6e6ygvL5eOiHJ5FQHIR3xZA64N9IsKybPyfNOwGy4JxsBxvzm
XH7ELst+WFmnl8jA2umLUyA23GMTMkdMDoPVZXD8PIK6mJDFLJP54Z6YmDliXJFGewCxmSul
XruYk90Sm3DZVllchVfyWeCFy+y26gtPQ8+qzmyAvJvo80f25sq1wHkSpkKmdAjbw9KA1Oxl
9vzhw+O6XZBHFLv2fzX0bkeFOWllkjm3VxpYNXMHv/mq7JGy20vqUGLPVYrVurBJSHws3swr
JF5fZMELyQnBJsyNmm2s7YXdfqa0WzopXZe4CZMhNmmuTNxKOPhZoRxfeda23vVaaAvMvAP
pNLhxCP5LA8AAAAASUVORK5CYII=

iVBORw0KGgoAAAANSUHEUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAGogAAHUwAADqYAAAOpgAABdwnLpRPAAA
AgNJREFUWEftmEtKA0EQhnWhlLhXFA/gAcQziDdQcauewuAJXOsJ9BCC+LqFiqBrX4il0P8H
GWhCd3V1MhN6kYliSU93V+qH1MzU1MTm2QgmoFZta7KD+Qn8kv5vfy973ynjVw0oS9jOrc5
KWzKz+XP8j+n05cxjCVGJ7auqGfyDydUDJ6xxCBWazatSPvyxxHABmGJRUXij2Ssm578t0W4
BpaYxB5pbR52BBdCojGU7XUMF0KiVWRr6v3UwbSmdj1aaLpsXr04Eqwj5FjXL5x/YFA0FRdN
tLO2oR7fhvhrP8KCPq8dkF5ANNE2bcbl3o+u9QZGL+n3bQbSC0hmySIMSeOW9JlQfFP7bmTk
struDMgSQLRhSBqHp7X2XnV9KzJ6UW1XibElgGjDkLTTDCABWCvbkQhM901kfCkgDEmjAvEU
AF8JyNh0lWLCkLQHJyB/gjUZm24gw91dCghD0hD1ZLDp85mAZE02G6cUEIbWAJs1uROJuJJQ
ySXCBCyZ4ICISjo23THGHKA5xd5NEhNh43gsB2huEs8xYwm0AWgeM7mD2gOQ65PLoHIQW7c6
ArdhFmD2VmcVC+MAzBYLZMgqt7rMoKvcAsBTsObW0TDX3QUrkFWX/M00Vv3Q1EBW/dgJZPUP
7kBW/eoJPFaqfXkUQlb9+i0ErfYFZht3kkmMsWbgh4oezox7877IAAAAAEIFTKSuQmCC

iVBORw0KGgoAAAANSUHEUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAGogAAHUwAADqYAAAOpgAABdwnLpRPAAA
AuhJREFUWEftmMvrTVEUx3/e70d5R3IFJkZigPKJZOAXGRgQEGPKI8mAZMpfQEw9Qn4jj4EI
AylcfwD9krz5le/391P31u20z95rnXPvGd1d327nnL2+63vWXmfvtW5XV2d0lhCMwCDdnSds
F44LN4THwkfhk9Ar3BJOCjuF+cLQKmkJk5XCGeGZ8M+I15p3UegWRrZL6EIRn65HyCosO++L
7HuEpa0WubW+bEWFZe1eiG+P0L+sUHLtkPDLuJTeFzgm3mFIRB6U8c82iWu8zFHxDyGickuB
yB2RzT3nC/3V/L1egQtk8NTh6l/m7qs7manfmsOWSL4WIIIFsg2wjVjz6bvm7siQzykg8ops
xlpErtCkbw6B5Gh3gHi67j108LDU61MC+WrPOkqbUe6TzboAuXe5r4ljREwkw9fzAgIR+I5Y
GyBnuR8ZOeFYFBO4zUiUI58fZL8m4GCW7j0wch+ICTxhJEI9QJw8gzOOZhhFnosJpCpJObc+
D/mZrZu1hl/7MYFPcojNt5ncxM5+SpGSD0XipBXRGr+1Mhy/44ZU2xWIXCM/NzN8cWpIdt6
KxBI9O5E8vBNTCBluvUjSM0L+Zmim7cTPvilcsepFgncL57hGS8TdW0JwIWYQA79VGRiz7/K
fnPAwWRD5Bq8Fmi5g+6L0qelyM+yo4bMjmkOcewiS2IC2f0vFRBI5Dg9smOSQxxB4aAYFRPI
s9WCp8ynX9kYIJ2ge5aca16tTSIxPGeP6nFEkdpxQ4Y4tZWEUuimOMZbBDJnsUCzbc1FqurG

Ens+iOZ6kj8EXGOXQyCOWOrdwnWnHbaHhX4udXUDWkJrFivO47+dbGlm1spmS3NNv1BUQMwO
ceR8qTFQ1rSUIEGtEtKnLnrolaWUZyYx6/qy8KOEUPKUvW5VK4U1c43WBA3hVeGdQygnBB8P

x+C4dolr5qU1pPuiwaFNpUwnBSg2qefecjXhVMDZyvFVOTEqELGOj8oj8B9nzuM/wrabCwAA
AABJRU5ErkJggg==

iVBORw0KGgoAAAANSUHEUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAgOgAAHUwAADqYAAAOpgAABdwnLpRPAAA
Af1JREFUWEftmE1KxUAMgJ8LBCG9ongADyCeQbyBilv1FD48gWs9gR7igfh3CxVB1/4hloLm
gxaGMplk+gOzeIFAmWaSr8IMOU1oNJVpBqLZmJPRNdFD0VPRS9F70fdKuWaMe9hgy5zBV4i
blleiD6L/jkVW+YwFx+DylZ4PRf9cELF4JmLD3z1JjPi6UD0sQNYExZf+MR3J2HdjEV/e4Sr
YfGJ705r82gguBCSGK1kf2C4EJJYWblu1k8DIFXb9cQipksWxlqW4G0hfdkRk9imblrFtwJo
TnYYaA9ETGlnZdblnjXfz+Vcbllgyq8kl4S5fUAWDYpQGLDoArNM+XACu65b61ZGFQ5MwAt
530AwqAKJxALQrv/5aFz+ldBIQeHgXgX6ztnGbhUOWtBSDtYtFicVWJYIUht4AP5XMLcn4
XfWwzWCDAHNKzJPGyroi49dBXIBkyX2bhl2xE6kDsDVmaszIQuY3CSeNsOai8Ety/hNZA3n
AibbjNWoxNr7krZYLmAyUadetWx5vacZQ03Qg6g+apLHRZ+JNK4EY2y3iqZa7MGzcMC8VPH
LYleV5CLjd2qtQ9vBI3HLZx5DqwnYjcxMpebQfeBFcij/x1SYr+aKohi/7sBLL4D3cgl/71
EbalYn8ehZBF/34LQYv9gRI5FU+Hys7AP583zozGTKr6AAAAEIFtkSuQmCC

iVBORw0KGgoAAAANSUHEUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAgOgAAHUwAADqYAAAOpgAABdwnLpRPAAA
AuVJREFUWEftmNmrT1EUx695CHkmuQgpDyRJSrxJEi5KSI5QZuGRJ57kDzC8kAcydBXvN6lr
KuGdknnlnHn4fuqcOp3O2mffX73lvqt+nbPPXvtT9n7fnX0dG2dgYqMzBCb2dLe6RTUq/0
VPomfZeeSTelM9JeaY40sj9yOUqNrJluS6+kv069kd8Vaa00uq9AFypwt/TVCVUFT4avSotb
CTIlwXZKzXuAIWHJ/j5pcFPQYQpwWPrdQrgi7NGmY/NQH8LoEfUBr0UbdS4O6rzt3IbP+R
PzM9yuYnjDngOqVx0p1ISMbkl8hy8ClyAaAm15oYHICJLN7rAdymZxYbL1r3D35TqolPF7v
bkfE+SXfNXWAQ+VwISlomZsaCDoxMpMs5uxSps1UyUsnYLIbraBk15tJdhy2RdO2OuGsbrUC
T4iADM7okw5AMjelbqxUIHshOWCYdq0G8IHKpyXA5VU6HWOSU5BpjwKAdGsV3MasTjkoqwBD
pmyMydA6yVHntI8G4C295+vLtlv8tNNFSDL1fqKeizm1422qGPab6PSwYoaXXr3ruBfBUgW
PxmQ+422OJKZ9tCoxCK6q1BrpZ7flnwtQCdfS+sKDIv0bG0GnMxN6zEAaQTlzdKkrMHyThMC
xPezlI6QwAOvxshwOMBwBzyh+FTB0j9n9mHhrBR0yFAUu/dg2Mz6I27OwQ4Q4WpR3tPBUSg
XyvlrBDgEBWeS8xiKwC5LQ4PAVK2RGKq131tq7uY8cnqUGvcfVOy2DSD3QowppYuc5irv08i
s9gE8IUqL/DC5X6b9EDavV2dCsjsuiMWLvc/EAnp/Zjcs/s2V9sBqYDMavbhmEx6IYHjRwF+
HGhkfB1b3OOI7q6DZL/dLg1sRFaqPE//n5U4ndQBWOVfVPdiyoTwfgiL6NIMICx4QdmdzkvL
pX75nZDRkdsie/cxqUfiqMaBF3EY5/pwQuJUzW2x8VjzZrHt919I4B8U1OHEsaiyAAAAABJ
RU5ErkJggg==

iVBORw0KGgoAAAANSUHEUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAgOgAAHUwAADqYAAAOpgAABdwnLpRPAAA
Ag1JREFUWEftmE1KBEEhXWhILhXFA/gAcQziDdQcaueYgZP4FpPolcQxL9bqAi69g8REfR9
MA3NUKIkraqxFxMINFWpl1epVDrdU1MTmUQgGYFZja5KD6TH0gvpnrFtoDwzxhw22LKmdZmT
h03pmfRj+htUbFnDWjBakXWhnkrfg6RS5fKLBliNybSQ9qUPYxAbJgsWmGCPJeRNx/rTILmK
LJhgj5WbvZbl1Unioj2WiZXJ4mVkwRN1o8tHkT16/GFz5DMY4qSEC0hTdnhe9+ubMjK0PQ
BQgYpDaFT3xnZSYQPQ8jMm9FnSjCwRReSc/O8UYIeDYWQXzDwRSKp5dTnvPIfM4HHEw5aYig
t8ncPBxMoQPXwCMR+gzgWH7gYmp9ADhCcEtGtF7eZlPzcDDINQCaWrySGNzRWK5cWeTh0ChB
HN1KFxOoRPIjsOk62SzBkiOuwK9EZnkgGTmZCid7xCWxpL57lpkiua3x6MXJXpKSMjOcS9ci
s5SIJCQjOZktMyWFOpXsl5mcfHFyMluoS1511m20jntXBK2cdf91Jc1CrtbdJI67r7FvI4pu

s0DqjNpuEcWY270wyMnDzPGG2i1wvZ1OP89gsyfS4+c3As3rBDodMtfRajTH00VyZ4e2vgm
rtICbHwUS+c/3NIZp3991EPf2Z9HdZKd/v1WJ9rZH5jFt22y8L8i8AdFn86M0n93EAAAAABJ
RU5ErkJggg==

iVBORw0KGgoAAAANSUHEUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAgOgAAHUwAADqYAAAOpgAABdwnLpRPAAA
AvFJREFUWEftmMurT1EUx6/321XeUV65mRiJCUomkoEbGRgQEgPKJcmAZMpfQEw9Qu7IYyDC
QARXH0C/JO933u/Pt5w6nfbeZ63z+x2j36pv955z1vru7117n73X+nV0tK2dgWAGhnJ3LtgO
joHroAE+gPfgAbgKjoCtYA4Y9D9yOZJBUS58Az8MelxfifBcqCXq8UWw9oLPhIFhcQrwyfA
/FYq7A/ZTvC0CWFfS24NrdC5DBIDrdQWF7oD3j3N7M2BxB8qCZxmdDv8O+rmsldBP52CryN
/0FnjDK5yStyCQEvnAP14T/j30C7+fVLEf8133IWkWNwvOgg13RJ3OzCANu4/urg0TakbazU
1jqn9h7+0wKs3dzTGrPuIV/wXVambgQOlX2k+WnNc6/h4q2DJ3uJU8QkT5wFOLwxEt8PTkTE
mZwFLP7hFgdi1HbaxR3F7+ZAZZV3Htn5lhN/ZaUwNMGcombXiAZZLVOBut6S/kdTQm8UzKI
1tysCEERxIIDVVDUnicEas11pYlrPAu91MMUz8+IQE3rIAoCykJCAIVPRi22+98iorNstArP
YyVZIOpIYopv1pDFkMBG6kX1EaQW+w2eT6751H7ELWzJQIXgQTCgzDud5jilV86cdTAIVA
WkiUyUkBoo3c+2zkil2jliNqi3iir8gqcmqASbXdRyNHcRyVeOoWozaKJ9ooLQLlo0xODLDp
VKmSyfPE6VRK2gaHwGxNjg8wrueeqmXry6o0W1kmTs/HgWsOYgkIbUHruK8azyqWf1/zXqsG
21vP5T8cTbGnmtaPAAst2ct8+vHPAcfbZ1m6KqyPc2oVu8MjLVPVYtVvK9Ypquqn1IYJqWRa
E3WJVEurHwW0yTdlQ4hWr+tdk6mMqxxTazqwKWWF4BVca4/0bB1Fkd+IwwCWtIJYnmssFzrO
9DFYTxYJfA0uAbW0o+sSI+fV2tSxqLP7DOgDr4DqSRW9mkK1D2oj1YipW1RL27Z2BooZ+Atv
seM/m82jFQAAAABJRU5ErkJggg==

iVBORw0KGgoAAAANSUHEUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAgOgAAHUwAADqYAAAOpgAABdwnLpRPAAA
Af1JREFUWEftmFtKxTAQho8PCoLviuICXIC4BnEHKr6qq/DgCnzWFegiBPG2CxvBn70hloL+
H5xCKZkkTVPmQwcGtCf55+vMJE07Gg02ZMCZgRldXZHvy4/IF/I7+dvE+Ztr/MYYxjKnd5tV
hA35mfxJ/hvpjGUOc9Hoxdakeip/j4RywTMXDbSy2ZSU9uQPHcCasGihixYno2/G8p+McBUS
mmh36s2DnuDqkMRlSt2e4eqQxGplqxr92ENZrVVPLGJG2ZxGsSVYYk2Rmk3mXJOOAjdMTGIH
bV0jvjICXklrflL10KNLTGJ7bTqQPbLVJoM3GrzYmDDW/98GKFmEwTQeSc+BUsQC3mrgkiPS
jq69GjGIDYNpbJ6hnooBvNSgBUeUTV17CcSAwbSTDIDX0miWYBbcl9vV4mBwTROIF0yaJUV
uM8lbWLDYNp9hIhVYlarq+coq9VzrmTAYFqMkAuQzFk99xFx03VQGLIClrbsUNyO7LImFr2A
KSV23S115XQd6ufWJU5ZJC7A2AXhAvQukpRtxgWYkrmobSZlo/b1tPWb7wa8G3XKoy4nYPBR
I3JYyAkYPCwQrO1xKxdg1HGLYKEDa5cF4JsbfWAFsugjf1Wyol+aKsiiXzuBLP7FHciiP33U
t5BiPx7VIYv+/FYHLYDZspTY5jzrxn4AzCGzoz5N7IUAAAAAEIFtkSuQmCC

iVBORw0KGgoAAAANSUHEUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAgOgAAHUwAADqYAAAOpgAABdwnLpRPAAA
Bc1JREFUWEftV1lwU2UU/hgdFbdR3xzXtma3Oy5ScCiLi0tKEppSm0TdK9adqENAKgFaQs
ArI54yAuolwl6owvwqjjMqODvrgNmwxHd8aFnREVWlvqORdLS25u7k2h4wv/zDeEc8/ynfn/
/39vgevr+gTSTKD+oVtQke9Gua4HHT0eIOT1ojjnGJ7OO8fjmNm7mGU5X2IWbpV8BYUwXPv
reM/S7/INpTnB4nUlyjOPY05hUOoMQ4haBICK20ILfZL4N/1ZKulZ1XkU5x7hsh+Ba++GSW6
O8eHqLegGGW6L1CSex5+8yUi7al2sG+AYopz+uDJ+xoVOs+1JDmBtmMpbdkJqQITCo8RHMs5
Zuadhpe23ocbro5oie5mlreFEg6glabQ6bw2aHMMoTTvluXehqr7J46dpFe/GaW6AXRQ51GX
MliHZborwbZMMdysR3eRdLmVCE7InmRIYtCVHUCEEsXcmeEhcqmLbWpx3ECZbhCVBSuz1il

n0FXyElpSxOT1VGeLyfINi2xESJZnn8G1YZSbSS91rswR/85WCcLHtGGCr2cINu0xoeoVqV+
L6qEe9RJVhnmYra+H4ul3KlibZhdICflNq3x7FdRMBqoTEzQZ9wE3yGz8Bj756iHXPSEGRb
NjIYj76CvWgTM7xx5hnsqC48hcXU0dJHtcNHb4vUxbZscnAzvsKzmGssUp5irXERQnTfLZua
AY/Jn801yAmyLWOeNDXaSYu1Qo8ywTrhPcTpSlkxTQ7ucJ4wiBrDP5I+R/vUCHKCbBvt8wzF
1AgDUg7eoXQ1EpP4/f2BMkG/8L2km1WPX4nnaGq1xkEETEKETX7UGc9h8Sg//ihIXWwbzvMs
+dYKf1N8E/xCJxHtl7Y/tc4S8qsTDikTDBiPYjINb830Eayk//tNRM685HIgkwwYz2IJFWFf
v0IOkG38bCk1FzCdQ9DccjmeG60z9qetFTAeUyYYNJ/DmhIDWPfECJI09gbTOIIQo5VImv/A
MiiQTEOQBt2ks4DxL9SbW2Xx9ebISJCcRtd6gWoHTX3KBBtMf0oBG54cAU+w0XIIZXadvlgl
QMUvoIG+UFIX2+pN/fRsZHLDPm3ig2iw/CDpCHSt9VSbYxRXo+UoXiCnF5+6EqzLRstPaLEa
ZbHNljA9kxNkW7MIKSduy0eT5Ud000FJrcMEM8wZtrjZ+q2km5eK5WBRt1h/RsgmqL+OFDxa
HXmU45B0QNLVWEu1my0HIPO32nZKY99ckh49pLdWK03Sos+aZMj6MJE7KGIWKT/Lqc32vnLu
dkcX+Ki/MIMZK0j4bfYj6EijSaXMTc5kPwBuMFNumz1q1MMGSzot12Ai/TBF8rVQZ32k4k
tWw3NxK27wc3likn12y3n0JldCsT7KGPPhbBjN1isW8syYzVd5h2OI4ilhYoJl+4cyncAz5Ov
Wr6NdHOE7Z9m/ljgSh2iF51ih7YRwTc8mcGi7nT0IkriT11h5wPUwD6sIXJqebZRnU7HAH0g
z1PX9sKiO6jgHnBH22epYy1driHHYcTshsvJeVsj4n7pRtCSYxNdaxHxE4TND6sTZI+IOAVR
8Xe8SoflrXJ1sCSiYi94S+OT70PUuU+68LXEvk5ajzpPUJPTtZeb9oq6opjvGpQm8LZXHRul
UMzVi5jzINbTVLXEcAMx10WKWZgduWHvmGs1JRIUJrGzQh2sWz4MWnx3UNOs4Zhzi3y+Mf4B
H6U/3ONEss9iDdJyO8QyWuB7ZSLyXW5N6mfWrXZcndx13z6kP1Nuh93Ecl3Z48N3NwWypFw
HycsQM+0G9XKa3+edE1FwrWbyJ6X3gasMa1E2ZcPXMJ9gXJ8TM1meSC00uyYdjuSzkoIUea
wjo6DJvpw4K1t4N0Orz9/Jtt/lx9Eu6TFPmRulzV4Gts3Fd88kQknHYk3XGayA7CN0TgF2IC
cXcf/frs4Tv6vYvsSSQniVevtXHv6nqB/2cC/wlQmDm3gwGuYQAAAABJRU5ErkJggg==

iVBORw0KGgoAAAANSUHEUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAgOgAAHUwAADqYAAAOpgAABdwnLpRPAAA
BMIJREFUWEftWetvG1UY/bIAGQQSPwDUJqj+BWPtPhbKs1CgSXFbp40b5+3Edpqn0zppqopU
pNCIGiiPiraoFdAHUBUQG3YICcGGBSRltUclihBFYkEq0gLRcM6kkceeuY5jj8UmR/qkO998
3zln7r2+M7LIKIZnwGIGYmtuk1ZHULY5npFQ9UfSUv29tFT+Jpsr5/XgmDneYw1r2VN2bHfe
CcEYhD+T5qo/pK1Wk06PjN11msTv1SRZvxgcM8d7rGEte9hLjrJgp7NZtq77VFq5qXXp8kg
jAw3FhasZQ97yUEuG1EhrTUzEqq6Kn0QGYGp0fXFBXvJQS5yilSU5pP7Juw4KVuqF2Q3ZmE8
YE+Qi5zkLmlvtjpOSGjdgoxhxiaC9gY5yU2NohBxTmO/LEgKxtJN5QlyU4NaK0LEvUnCNVf1
JZ3aYI4EfqWj2E9W94w57rewlzuYM9ZQg1rULAhH/114ok9kuEGT/fdIB4n7cXy0Oc/LzppL
QqO5NcbrHTWaSZO53B5qUZPayyLqikL8bzlvvyYHHsgESeN+Tdpdx3WObt/dEqn9Rv/xGOuM
4zan2SBzpnpoUZPaebHLfSsMfCwTmPbpBzPxFixGnP9lh/vVrP6oc63scn0r15gBY/3SOIJD
OhfMWdVSk9r0oESHqx5FvwsNPf1QJqYxbq+9BoMpU2/Mv1ai7u/0PWns4bjdZTbIXG4dr6lJ
bXpQosuzX997hzaag0ve6ZqTbveQqT/quUc63V9JCrNg7O1wmw0yZ8XPHLXpQYke70XZhyPI
8CPWwaf8tyQPq/ZZJdrjXR7LsteHB1L/V14F+eCORU/telBiV7vI3IQe++5R9VxEMvR471u
aTIOkz3er2USQuTo8ZoNMqfipzY95DF4RWZB/MJj+WpM5b5T56TflzRx0WTMdn024UjimZcL
5IT81O71XIEbjNXN6c1HH18+nsWeGfD9JQN1CRNhEkdQv++yfbmbmgjkVP7XpQYk3B3Dz6hCav
bc4sZrFX43U3JGExk8m6SkudOAYq+KIND0ok/D/Li5i9Y82F5FN+Ej1X5OEfyD/IXvzbhKH
vYqf2vSgxKD/C3kegsdbVhZcmkH/fEEGB/F6VPFTmx6UGKo/K7PYWye3mINHbBBea/miElfs
t+Jnjtr0oMRIfUo/Zk6FzMHXmR0gjxU/c9SmByVGAX4Za/hVXsfTvLE1O8bwKrMD5Mni5jU1
qU0PSuxuvEVSjR/KS9isb23LjnGbDJInl5vX1KQ2PeTFEENIjtZflzNoOrM9Exp4RLcD5DHy
6mNoUZPay2J04x343PpAXsaZdC6cicPYwHvwMVBqkMflyzG1qEntgpBuDMLIT3IaG/ft1vIG
NahFzRVhb2BY0of/5SyW4F2YLEeQmxrUKgqTwRmZBMF5LMOFHFYGOcInjalxg8/vdOCQTVqM
jgK7TJKLnOSmRomo0JcgHfhRXsM7+h0sd7FG2UsOci0ua4//fRifbKqpCcvxHp58Tk7gXX0O
+6dQo6xld3vJQa6yil3hdpkKHiDyPmbhFzmCD8xj+DQ79eTi2bb0i+eYod5jDWvZw15yIB3c
N3uaXjIREQiflnTwc5j4AfHnzcaYod5jDWtt2Gtlf65Vgf9jBv4D0xoSu8qzZM4AAAAASUVO
RK5CYII=

iVBORw0KGgoAAAANSUHEUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAGogAAHUwAADqYAAAOpgAABdwnLpRPAAA
BclJREFUWEftWFtsVFUUXWhUTHxEox8KCu3MdB5IOo/OFAQRiUcflGkLM7SdQIvoc8oM005B
QJGitiwIESUIiuFh1A9F+dUPCH6YmECorag/RBKMkmjCWyuFXte+zaQt7dw7fX2YMMkKN5xz
9l5n7bXPOSiw93dXgSEUqM28D7FMC5qy6tDk3U+cQCzrHGLek/y+Spzn97fEAc4Jo2mGHS1z
Jo6/lpKk2ZPLxJ8Rv2HrSwp2L1CwP0/BwUUKPi7sxSGfgg8WKng3W8E2zol5L5LoUW6iEA1z
Hhofos0eL5X5F11U6D0mFkKfkEwyEMJ7uKYp6wbJHkNj1uyxJRn11pDYebxDtQ4V9CkVvYzZ
fw9zraja6PkDUW8MLbhndETFa6s9LUQ39rGMR5hgLCDIb5ujlOp5m/58cOQkI55NJHcTB/IV
HGaztPARS77tZQV7c/XnShyxSNuLvSQDgXuHTzLirkY4s1s1+0EJqAFR940XFITdtdzQKZW0
3hoZl01FPD0le9YOj2CIDbHKfUH1iwTRwp4cBasybxPr1CQRt4FEO9QO11sr46J42P0nGlz
kyO5cubDJPe5qsKHLK0WRN2GzC7Ojw4IHvWYmbBT9ZleDBnfMZdx3N8gZH9Mn2TlVrd17i68
z7LtJwEtSGIDrptocPoHBQ5npXCsa2/RZ3pxZDzk7kHIWa5NULq23nkUW6meEEwGsvt652Ui
OCh4g8ulOtePeJNK6sWSOHWu42iwaRzk1Y501DovquedeCtZbOeGah2XUecsHUSyllidijeMs
WthEWVHE72vMx6EKla7Ilj3XO9hOlxsYVNUO66iegiSdU4TapydeH22dtXZzGGs0WDoOMI
NjGKDGstNjvsekKqhxhRlWpDEhUw+6ucnRi4/OJY2+mylUZxxlTXJHxneqXXfP70MyEKzKG
j6GyrlSbUZnxE0Sp/jni322swgp7Z2KCFRkXIJN2zutDpV3Rb/1hzBCfv2b8jF Dopf555FuO
tkr7X4mjIU+7hi2ctJ0dFUf5tLEIKNIXWqeg3H4Wm1mt/rm2Me/yabcTEyxLv45WKiiGj2PZ
OBCssj1Olu1q0/TPJd9IWgSD6b+rx4EcmEE08dWwQrHVCxLP42ld2AeySeKBm2XEisYtJ3C
+pm8+DkxjpBbQalt+Bggqy3Lbs4zVS65/jvj3BjZPqe2XxARLrF8gmqVgE1UcCcT4tS5RoQ2B
O26EcsckldwqT+LYTTwxSq1fJyZYan1NTbCR3hgu1sxQELB0ocTSOChBcofzKLac4X2rHbee
4yXWXVoKToffAnrWGY5q5JFjOSWWP5BsS02BDkDY55BHZNrxVvPfh7zDZTYcjTOWSkT4bcc
5wNSUUKmA7HEYnMXiq2DH51I9smM144aVkuV1mr60m8+jaDekytgqUChqRtSsrX0IBbWcLwg
7RZJDC6r3zQJS8ztqHLqx5EcFbwQApyM/SO/NO0JFJIPrtuJkktiKl9xn+584EP1qApFUVp
HeoVqRdDxsV7RbRBifpYlyY6k1D4tMI9SOExJaqM9UkG+8iSVpvU/+xbwIck0dvM7010rc
CC3iM17nJge/JzXZFqW1ooyHtJxZ4jMtCMmFxlsoTgtDgek0lrNcemvi42W8qRab95DLhOTU
65s1gf46BLIJREkhqgXpUplbTc/pzY2PB0muwPgIKticl/rIGB+Bz3QEUyYe1JKAEB0LiOII
vJ18xq8gnh/VL2C7n6XbSZKX+QKHoRk8NELI2gp6M8dwg+T2wT95FH9VuHNXReYA8g3flyel
W00iXS4Jk4GoL2uyU28hz/ADm6hiVKIIXJzPcviMUap5CtITryFglecRH5kOeo+EhYhAvuX/
5Km2IHMWpP7NNe08GTagyPLU+JDrHzWQ+igKzNIYZNiNvNQTyeE45hwVTr2Beym3MT+nh9zXk
pP6K3NSTVH0vfAYf/MYnx5/Y3Qz/QwX+A4yXNmR/zOx9AAAAAEIFTkSuQmCC

iVBORw0KGgoAAAANSUHEUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAGogAAHUwAADqYAAAOpgAABdwnLpRPAAA
BNxJREFUWEftWNTvFGUcPX3QaKKJf4AG2tpu99a1LbvFK4pKiwu00KXb+9JuS++FbQkhlIIU
RjTihQgYcQriJV7ii2/GxOILDwTx9m6Mlxg8cESCwoZz9l1wzCzs522u/Glv+Sk3/7m9zvn
zDfffN+kwEqsZECOGZjx3Yhd9V5MhocxGTmBVORzpMLfE3/+B46Z0zXVqFY9RY/U2psxFYIS
+H0a+QWHHJjwZIOBVx8zcGqLgTebM9BYOV1TjWrVo15xFCWm6usp8h5nZA7HGg28QRPvbHUH
1apHvelQVwGjBLvDQ5yFH/Byg4G3OENujVnr1CsOcYkTKFmeT62bVPgA7/wKXu0dGNWo+IS
p7iXtTYnlzNpojNNhTOXNStOcUtjSZF5rFdwmuVnbT6aYkDc0sg87kVEqi6CXeEfcSJ67c3M
vqGF/isNaUnTVYysuwUT4Q/wwqN8U/kYsj4TkTLh3jMvBpLS5rSXjDGAqOYWWMJpzZn9rMs
JtYYC/a6KRCPmTc9ppY0pZ03dtbdgPG6D/H8lwZeZ5MZY3WFMSgeK7d+S1Pa8uAYI2E/Rmt/
xSsbDZzkVmDGalEMisfKrd/SILY8OMZwzTj238djigvXiuHawsygeHLxKydtEXCMwZrTmOUi
Ps67seLxew0M1uSHmzUojlz8yklbHhxjlpQFNllv4CjPzcXg2YcNDITm3fjDwF3O3NKWB8dl
hn7Cc1ysR3heusUhkvaHLilZ6nVlsD/kzC1teXCM3uo5HOae9Cl/k9xg9kEDfdWXkQz22zj7
q0tz6vRVO3NLWx4cl8GLelyHeScL4Smul97gXyRM2s0Fb8eO4HnsoBlrKOfELW15clzuwM+Y
5QemCvNh5gEDPcE5mrDPXJ93FRLBc9izVjV2g8o5cUtbHvYpJt+1Z9moRP232+gK3AJPYFB
G4/MdQW+wmR9pr8rYDeonCM3tbsDZ50NdgXexR6SH+TaygVtNR3+yznNddBcp/88dkeu9Xb4
7QaVc+KXtjw4Rod/L4a4kR7g+rJi3z0G2r1z6PTZy7uVwvPti8xzo8Jc1+bz25QuVz8yklb
HhyjzVuDVu/v0Ew9wUeZxTTHrVUX0eaz7/KJ0GrEfd9ihEeYuUfjVq/doHLWOv2WprTlwTG2
8xO/1fsxP30MTHM9ZKHmmOcfGnzput64ZzW2e7+Bji9zfXYcq7lBVC5XrTSILQ95I+6NY1vl
39Aj3UdjWey9m3seN9IW79F0fye3kljV19Jo8tcZx63eOwGlbPVU0ua0l4wmkK3cbY+Sa8H

mTJjiluH9rEWzXkSnkOSx5a1vx7a6XdoHLWHmlJU9quluZbj6bKCxjttMuUFTKmNZfrmjmn
Pa+p4nooZ66RhrSkuailaax6c6rGOe2keLrXwylWxrSWll0VxxDIASj/EyflFkhIU5xS2PJ
kVh1Ex/RcWwsv5p+GfQ4CgFxiVPC0lhmlKC5cgbRsgvps3WYa2+Ed78UqFcc4hLnsV/1Yb6z
bZ4GrpdP0Vg2j26KDHAWhijoBqpVj3rFla6ixBbPrdhckUC0/DM0IP2BFm667Txbe7j19PHN
7qcRQWPlde01qIWpesVR9NC6aa6IUPBJCn+ExvL0Fj6GzaUzqehsXK6phrVfMctFf2+VgT+
jxn4F6UuErsPf62OAAAAEIFTkSuQmCC

iVBORw0KGgoAAAANSUHEUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAgOgAAHUwAADqYAAAOpgAABdwnLpRPA
Be1JREFUWEftWFIsVGUYPUJ4hb1zbjSTqfrJ2ZzoBFQXDpSqeUTqH7vkbobQDSAUpi4Bs
JgZxASUiiQvQtS4JBr0xS1sFozvxlWdiAqtLdfzTR0YeufOvRTqE5OcdPL933L+833/f+8U
uP65rAcBbomjUd3pgthXxe6vduJb9DI/QXdvvPo8vXz76/Ed/y+k/YwwhM9aPbcOvZatk29
HeHMYhbdTQLHsHa6gk3ZCrbmK9heqOCdomHld7HJmVh0+04w5iPM85ZiQdYdY0M07J1CpXax
0Dm8kqvgbb+Cd2cag/i+yhhRuNv7MZWddu1IBgl3KNRcJv0NL+co2EmFjBlb6SfqbMYOUb/b
Nx+9U2+8OqLh080ktwrzfEN4s+BSC6OtHO3fbcy1ZprCvBuvbjY7Sa7TO4S3OFM7uHs9yNxt
lft8ZH072y4kOzM3QLp0xZ+QN4S5JLdtvx86WH9Eyzm7WPBA1jHg6HnL+uy8U7vBcYsuDJ+
HZ7JCHI+jwy2JNHDOplLefrQ4ZuArkn3IZS5F2tp04uT9dfzGJt5HCG3wYMj10DlVrSbnlQi
6ulhDdUKuQ+h05V+UYU2lwkdn1YzRbqxcv6xqcU+n+CoP1ufSXbPH60e/oj99gbHOZEKBlq
d/eRYLlqcTDzAbS592L14/p5trJOu3sQ7ZlZehPstdyEoHsXpGUy7ImwioXb3le58zTNpNly
oHs/nqevXj7pWND1aeJT3ZLhRGvG8ch99xpnQwsripodR1GS4ZFtyXS7qBrH5ZPSZxTara6
TqLF49PO2eqeh8WTlciTQgtSqJnkplDRT4vzYbS49qP3scS5lzyqcNM92mmbMnZgOdXZxN3E
gxRocv6ERofZKLeLfkKy0XkAS5IDK790pnjfe3cDc5vlyfvJT7kR0J21+j82VBbtSo08TA1
Og9CcsWrlYeufWfM2Cd4whe4AF5kcc+Fj1se52DyjmtquAGR5BrisoutgZHWGWvzUhBveNH
9GSp68jhrLcf1SZYa/szcsGu54mKQmSvcxxEQ5yZq3FUocZ+HrV2NUGx1dgGuNaoKtjseRC1
jh8i4xRbSwhKjOan2n4Wq3nxCskowhMV1NrWqhVYvVqLk/kdkpqttaoJi6+WBqrL+xU00qeJr
7Mv4RnN5rRdYu9rWr02wynoEy7grmcMoRMFK2xDJLL4YWG0jOesZLOYsiV9IHijik7UI3ECV
7SyqY5SsoVRYR2IW6vKmqDFIZbvlfO2khdrL5jkXlRSTKxkKuwnsWiGL9yq1pBsUVzPEvf
csvfjK9HpaUdZZaByEEZwUeuuArLQW0FKyzv8cVUicGSAjxOZYhIKX/g4WPXL5eZIEFTFts
jmcYU2YzjORYxAMsr0Y3x6nc+oE2wXLRlQ6oCpZydjRBNUeuzU5XEXRbwjxxarS6RelebYJz
0l0oTtsZ2aG0wCgCaWqCYjMaL37SoUDaGcy2ZmkTDPBIIZD+GTq8wwFGMStVTVBsRuPFL8Sa
gdQ9+j8BStJnY6Z5IDJn6mkEcyMQ1BsRmKjPkWpgyi11Ok/Qv3OuzDL/DmaOQ/zSdlisxq
BcVmjFZ8Wir2LwHJZZ79AmKR4I5OgpNJ/gCyZ+Ik/RRmKImKDYjsTJOHsmnUzqeZ4xc1Ks4
rQf5pkF0kGQnr55EKDCpCYpNL07mL80hOLUFVdGLurtN29CHKm2eYaHWAtlvJtZSSgWYksU
l90pMF2A37yF5caNjmAOf7gXpWxGbvlgmng/StJrAZnvwOQLzL0VJfePHx25S1HjmGgJcpOO
83nM13KqGRwIJFZy5Cafgt+0EgGM4ge71nb8qdls4RflSTqHShZppKJS0AjEV4hIT+hHQfLX
KDlVXK1q8eMrHbfxFVzdr5EdtlpzOLTQmatmi+n9RnDpAXyvYY2eWEooU920mnk3J/FeWtA
junOsSEXm7XmoVvYdh+vol6S3Y2c5D6qcxRPTzj3H45xJA6R1leYwVb6U7NQcO//8A/Msd/6
9QRXXIF/Awb4ObcFPn82AAAAEIFTkSuQmCC

iVBORw0KGgoAAAANSUHEUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAgOgAAHUwAADqYAAAOpgAABdwnLpRPA
BNNJREFUWEftWFtVfUYXX3QaKKJP0CDBe1Mz1xty0zxiqLS4gAt7TDT+2VmSq9TmJYQYoIF
aUqjXoiAkaggCvESX3wzJkZffCClt3djvMSliQ+WWFDI8VtTJp6es3c7zCW+9EtWewY7315r
nb2/s/dJgdVYnQHFDmX6bsTORgNT0VFMhY8JE/4cmdD3gj+vQa4lx3usYS3HID0y627GdDgi
wu+LkV9w8GEThzeaeO1xEye2mni7dRG8Zo73WMNajuFYcpQlphsbReQ9mZF5HG028ZaYOLMt
P7CWYziWHOQqYVRgV2hEZuEHvNjK4h2ZoXyN2es4lhzkliDQUZxP9k0mtF+e/Are2Fy4MbtR
cpGT3EX15IR4Nkt0qqV05nJmyUluahQUI8t6BSelf07L0pQD5KbG4nJfR2QawtgZ+hHHl/+9
mbk3tNR/qUEtauYVY+twWT0A7z4mLypsgxWHFhPsuJBHIsvtahJ7RVjjo6CybWXcGLL4n5m

xeRac8Xx+RSQZwm3aFGT2svGjoYbkG74EC88auJNGWTHRENpDjLHzk1NatODNsZCXozX/4pX
N5I4XbYCO8ZLZJA8dm5qUpsetDFal8a+++WYksZVYbS+NDNIHhU/teIBG8N1JzEnDXmNkaF
4br8DLJuOTxxn5qf2vSgjaHgF3h2g4kjcM6qMHR3fgaHgg47hE9j46f2vSgJWtwJzwvzXpY
zksVUsH8DCaDg0gFL+KgCOq4VHlq04M2BgPzOCR70kvymaRCIqA2mApUOjiT/hQSGcuYe0jP
Z9egNj1oo19ucmkOyZOoMKAwyNyA/zxS/tsdvlOBjAb9f+Fp6S0dpzVPbXrQRq/vZ8zJByYL
Vejo2eQuD3rhNh/DgljYn7QGAYzz+P2Qf1vDktatPDMGbpZreZZ6RQhR6f0yBzrJ1qNNHj
+0ppss83LPcuYd8Dem5yULvXd1ZvsMf3LnaL0AHPGxW6vE6DzOVqd4VNdHvPo0sxxzTZ5b0M
bjE6fmrTgza6vHswlpvofukZFT08T0PMWwVt8jHR6fkSce8dDp1uzzA6jXnsVfNT2160EaH
UYeY8Xv2KZ+U5bAjZjgNMmevG5OjL075Fv3BOx1aHZ40YrUXMWPjpya16UEb2+UTP2Z8LJ8+
JmakH+y11joNMqeq5XG23fgGcdfSkx2elxF1/5OdBOs4alKbHpaNuBFHm+vv7DLsFRlr2t1O
g8zZ63K/d8iRF639Gt3XtqCYcQQJ2ez33GMbl1rUpPaK0RK8TZ7wk2wvksiKbS6nQebsddb
STke21zn0O4+Be6Z07II2eupRU1q5xVRzwa0uC5gQqadhDlwz2upWQrmrDWqa/YkjaruUYNa
1LyuilPnsPmuq0jL1pGR178cIDc1qFVQtnYcRUQlxuUTfVLIsglykpsaBUf/mptkSY9hU/VV
sOG5HKUAuchJbmoUGRVodc0iUnVBZIT54pV+GpOnLwQcSw5ykbPof31Yn6zN3ST98imaqxbQ
kyJDMgsjlpPwMxHEsOcpUltrpvxZaafkSqPONT1R9oI026U87iPtk+EvKWpsQlWwvmeI81
rOUYjiVH2YN901oTFsGnRPgjNFd/h+bK37CxcIELXjPHe6xhbQl6rezPtSrWf8zAv+BjErtY
E3WMAAAAEIFTkSuQmCC

iVBORw0KGgoAAAANSUHEUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAgOgAAHUwAADqYAAAOpgAABdwnLpRPAAA
BcdJREFUWEftV1lsVGUYPWpcSFCj0QcVhXZmOks7naUzBUFEZelC6QIz0k7pAp0uM53SdgAL
ihS0ZRFJRAmCYliM+qAor/oAwQcTExpK+oL0QSjJqwa6XQ6/ImqM4wvXOnCy+Gm5zZmb3/
933nP/5/v8OcOu6pcAlCnTOuQftM6xozw0h7N5HflI298/EBd6fRzj3FO+PEXs5phHhHBMA
cu68+VoG50xm8VlWPUwiZ7D1WQVv5il4Z6GCA8UK3i+NYv8iBXsLFexcoGALx4TdvxAfYZWr
ADK5m3K15c5mkSMkdxm7SEoIfUAYqUAlv8WYNirc7v6QRN0Tx7ETt6PVHUab67eiWgdL/INq
WLFUfw8w9g2q2kY7tLrrx0+yfcYktLpeR/ec6DleYoGJwB4u/0rXINE5dm96vXdEYt0T9dRB
LqkWdhco2PqcgvdSGL+vSEheQYtrw9iUDLnWMHgoUmw/yWBiK10nUDI2YVNTysQlBriZfVC
OYNocfPHRzLomMtCv0MUEYJakE4NOftYSBcp1JzTQVzDnrtzWPF1s/M0Aqk2TsD6AILOL/Da
XAXvchm0IP4MOvppB2OcCs3OVgRzBiLe1coh6jc7P8aKmfddqKxmwVypgHMJeJtbCq/RnwNGH
UG5aQuKg3cN3VyJLrZXnbY5pcg6w7sLkBIOWyWh0HI2oJ0HJ8AqVa3R8R/XOCUmb7D402c+I
lGe4xhaq2GQ/nLyrG22z0GA7F9nvxD9q6GQT1NtOMpkpgVjyvSKSYxsLJstx4zvZhxvsZ+C3
ZiSsf0pBna0f9de7dThTi/5uPueHw3QFXfSIWrzW8w2cvN92SJ3gcms/ujn7HfMTlcrWZn+P
Fdb4bh3OtxjbxWixihOKrSW+Xp79ITrBWusfkZNg+7x4vEDpa7N/SO4P7Q0iYUStNb6OifOT
fVo9U1XWNWxlB2+LwUbOqtp6EivMU8dAIXlIdVZ8rc0UpzrronpQJQmKwWMhTVGV1Ys6y4MT
TnAZCcbW6mLtyxl6nV8lrMQxWQDjkWLVW8GyzB7U2KZKNEIfZnwd2b58mb+q16iw/lh1blZN
JHkjHGSFpQdVlidGTFBhkfejQ8AZX2ftTBK0nEhC0Pw52tZGziTKdDsipKstj0W8TLE8hn
6UaDQ4E0IFq81vPWXAXI5k/UCZabd/BMVLCevlODzHqp6RsszXw8lVG5qQ1e0wBWz0ieQy23
TLDC/FISgpZ8elyXsZbLLPueGhpJ0mMUktHPq9hrqSWMJaa/ECbJZDIufNfB5fUYz1LB6Uma
hJ9aHmMPvtJvEpAM9Zyt9SLSuURJLmNVhsHlAsmVae4fch2sdjOoqaqRr/+rymdtRwA11D
L2mhqz5gibEXHkO8J4Wxh8tdknEVq1PII5YoNQzSHjXau0S58VGUcfnEi6sYqAU53soy+uAz
pMcl9xhbUaz/O9J0WjlkNcqMx1GR8ZA2wcjsjT4mv4QWLpEU0EItSZYa+rD4+mmzJKMDRfor
aMrRjpWdYZHhLJ43F6ZGLjrqnpoFyq504uPUkEVbVFi6EFpRjcW6q9GyGnFyd5ayc26LKNr
NOSiY8WsJfpP4SNJSZQK/PSknA7S5VrjRtkZW5JxlCLImC7xRLH+M5TzhBBFJOIEoIETKNAN
odhwCPn6+8bE7d8gz5RJJLkH+brL/BSKEg2MERJbTSSU6M7RCtvhtdw1PnKx0aWGGHtQvkvE
+tIUUVFBCqYC6VKJyU8bRjHua3asd+KlxWYqMz3CjltHBXqxIP1PdH6/cujRWpv8I4iSFsi9
PJMm83JM3rSLjDnBIWhFUapbyXim4NE/jGJdMdXYjYL048hP/wkLSGJ+2hDmpV3j/XnkpZ1C
YfoxLNLtRikxD970+8dT8lbs/1aBfwDdajZk3nIRiwAAAABJRu5ErkJggg==

iVBORw0KGgoAAAANSUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAgOgAAHUwAADqYAAAOpgAABdwnLpRPAAA

BN9JREFUWEftmMmTFEUUxt9c/Cs0xLBrjMAF933BfaXLMTAMA5cYVOhh2BEQUWJQUAwDHEAd
dgVG/xGv7jfpNjlpqOCh/H5ZmT3ZNZXdPWNDcJiK+OJIZb783pdZWS+zymzhWpiBxAyMZEus
2WhZ3jgm+501s98tz/5xoExd2dYyfC/RNaSAyyXgrOw523xXYXuWFnboycJOPFFY9PMIKFNH
Gz74ln2WS+fQxdGaX7tUM3La1t5W2McPF/Z1s7BvR/oDvvShLxxwDfRqDo9r9L/ZXs3IN5oh
B4nrKHMvTlf6cO99mVna4YALzv99vbj4Cq2pCRFesC+ennmEZxUMELSjnEf3Kk+D4EObv/9S
XHDCYx5XxBs0Ro69mXhZ0TeD07LD6R8Q9txccNJHid5WO9YEefKdcbxM56hDK2FgiNfKs+
tMFNjDk/bhYx6+Sg3sRTy2aw8Q5G3AnqTiiY8PvK+wdL/WePF7b7wU6u4E8MYs3hxRlyb9qE
CEkXJwXsCQVCXPWijbnE/yj++33SED2vXDGnmGwxwOf5zwpX2IRs68URK5q3VquOwcRhXJK
YNU34u/ENX62kcaVblx543Nbl5FHArfsUV8mZpkne1wk1PcfKGxK6+NIBSmBsV/ot03i8sYv
ll+3qCNink2q/l+b0psc+k1J5C7FJHbXq9y+ztnBJwojFZBaYqQEdvg9VdjbzMBv84S52Yx
WyeBf7qdJvQj1qRiErvtsi+Oa5sT+fDwiEFwx7GCimBwQf/LRKXZz9o0V9Vs15XS8Qftu+R
Gc52DMUhnHqSF5v7tnvL0UyqQ9WmBDo/gX03z360FxDnRB33vZoy2vzhhg+HrHRkLw4gbAW
9ist7Fcn7AFvKacEHIDbppsZ/U9JcZxyPnhlfJ47tq4suHUoDWmBOiYxwk8fq0dKIG8mqar2
5obfdl+VVLiDfXE5qiWfsQa5UdaH6yRfY8W9ongygLIIEAea0gIMXneeEMB/3lzA1+b05dd
XRSP2Mx0V4Gc4XB00Ihi1AmEbNnwNbPXnJu58/bu/TrBiGuvuJwN5XDvLXGYwa4CmV5y4lcS
WYeUwKq6ZmPUpZldEtfBlwG13L6e2F0fMQt0qxls62VCC3q3B/eU+xWYz3/bdr2Rrl/g8hZe
h3AftW91+bPLS8lrPn57+TbFYGS72C9r9uK69V9UFTvVy4p3JNyvFhxY4ndl820bFSdd+rR
tKGOodyvwF7bKTW711743xNGb+qRqMNWx2PecV9h73hQBoMUGDiDZe/uudUxcjZsThacRMjs

MQYpMPCGOGocZnodFpxAHXIWXK8NXwLZ9J31GKTAmJfyihv6PG5xaOTw+NYt5d66WSLBjuHV
G2efqHu9EHXt8AROLLH6PrC6I5E/8q/RW7VRlqvYUFNX66f9eVZfxxc4iDHHI3/5DoaPpnHt
s+tFyn7rbly4rq5dvuuCf007aWVeH00hTfBJ+lrWxpil1irAIAEn3PP+7ERk/OHOomHEgMfC
zGKraLfHvIEZ/1XiGsiHe5jJ8OvjdSVSRk4Q7JhOwM7GqNQF3zW+Ho6B/froODr5n0cvLS6M
IKuUt1oK2g/wpQ99L8rPoxmhnbfXla+fE0pY+XNZapYLcGAMnW04XNjfr9V99fl9Admr2PA
QvtlNwP/AYQx5v4zMHWC AAAAEIFTkSuQmCC

iVBORw0KGgoAAAANSUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAgOgAAHUwAADqYAAAOpgAABdwnLpRPAAA
ALNJREFUWEft1s0NgCMBWBHdQRHcBNHVtmQeKBQWvpj8pp4s/jxBHTbUDEJ3O9jJZebVolr
PW4FoDZqJlEiWNIgwy7H2uQHRVxIxJEGtjFgzWATfLLTbIL/5Klr7vXVyzNyoAkcVUciRzi
lpFsXARyGueJFOM8kGqcJXIZrikPhefkqf1SUP3XAmQZw7Q0SHNcnbkE6YaTIN1xM8gwHAcZ
jush0+BayHS4LzltzvTwTTv4Awe7Pg/cX8ioAAAAEIFTkSuQmCC

iVBORw0KGgoAAAANSUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAgOgAAHUwAADqYAAAOpgAABdwnLpRPAAA

AQNJREFUWEft1+ENgyAQBWBHclSO4MaO1BE6QkdouaQkxhR8d7yH/MDE+EM4P+8QcFnmMTMw
MyDjWJqiPtO5S6I3Bs24T4pj51DIM24oZak3BPIKdysSxbUit8i34cVFkYZ7e4FRnBeZcdYP
PlpxKPKlg4Es3BXSnvP6zaW5LZRBWYfyB9b1PjMxkgABLRgldoyTkbUKQUBrPETWKgQDlcha
dVzAO5BuYG9kCNgtGQb2QjYBeyCbgWokBahE0aQJBWoQNKBBcQdWfV4lxsOKpCNgzesyFso
cDSgCkcBPIJ6FTtu15a/VoIt3bBfw8jgR/sgw+tvmx44SonDbzg7zgwUMvAFmddiP5CNf4cA
AAAASUVORK5CYII=

iVBORw0KGgoAAAANSUHEUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAgOgAAHUwAADqYAAAOpgAABdwnLpRPAAA
AOFJREFUWEft2NsJwzAMheGM2hE6QjfpCB2xqR4CafDISEj4LzRvlfLxh+WYkG37X7wVuPFI
36L35xaNNCAaeQCxyDMQibwCccgWEIXsATHIEdCe3VefkzOgPX+uRCrAEFINzqxzrWTmxJ4s
GekJza6VknmTevOmSG9gRf0QWTFhJLLOLjIRVjWkiqyaL5L5aB3kkqGIMusXolwR9zExxticr
9pOSKeFWAWVc5ueZsmpWswSndmIZTgE+MtsVyRq1GPFLpAdE4HotxuBaQBTuCsThzAk7gBi
cQZE4yLn5m+P2QF7Mj4fQZBw1wAAAABJRU5ErkJggg==

iVBORw0KGgoAAAANSUHEUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAgOgAAHUwAADqYAAAOpgAABdwnLpRPAAA
APhJREFUWEft19sNgzAMBVBG6AgdgY0ZqSN0BEYosdRIUQUaP+5N85FIvJBHAWxZtvWWWhVY
FYBUYE9ZzhQfcoSwl5AhoJz8TPEiVEMIAQPIhICZCJhQBYSComQg4UBJeAA3DRylxEmPhS40

Dgpk4GBAFg4CZOLCQDYuBBYBcwNH4VzAkTgzcDTOBGThJO+veVL1JWHiegOGCsiYmOWmy9Ua
eIVA9MRc4zJCrvOuJiEVsPcYLH92LVyG7OngLJBqIALZw90hTcAIUourkWagB2nFIUgX0IL0
4twwTWwIm+avuLI13PXJKXAt5FS4GjkIDvJCrySrAt8KXI6NYj87AnLPAAAAEIFTKSuQmCC

iVBORw0KGgoAAAANSUHEUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAgOgAAHUwAADqYAAAOpgAABdwnLpRPAAA
AK9JREFUWEft1sENgCMBVBGdQRHcBNHVUgk4SBS2ti25pMQL6DPL21MCSNWAfmfIBlyFNj1
zHDIFhcO+YYLg/zCuSMpODfkDM4cycGZISW45ci96XP1Ydzrod3JN0VcfalyT5WxAqeGXIKT
ly1wbKQlbrhpgSMjPXFZATcEEntS9wGTb2/eB2A0giRIBLs/P1lgyHvxxkkR9VZiASRIKp4
cAZQJcG57yKRfoh/7L8B10M+D6plc1wAAAAASUVORK5CYII=

iVBORw0KGgoAAAANSUHEUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAgOgAAHUwAADqYAAAOpgAABdwnLpRPAAA
APZJREFUWEft19sNwyAMBdCM0BE6QjbOSB2hI2SEBn9QoZREftwLSAUpf7E5OLyyLLPNCswK
mCvwSRHMZ0/5V7OqCBgaJ04W8JVyPyOVy7EMoOAeCByjglAcGgjHIYEUHBK4oebcOQ9ykVCQ
SKDkgiPRQDiSAYQiWUAYkgmEINnAMLIFMIRsBXQjWwJdyCugnK2y6TIGYNrMa4Dy4O+OPANr
txIGUvpRtRL4vrkJI5G1llxiM3BX/H0hkCZcv9qcHmEEaQZJ51acBGkCycdrqqZ+vuSpZJu
nNP2DdMgu+E0n7s77g45DK6GHA5XlOfFRRfcjP+PChwmn2I/CNNqzwAAAABJRU5ErkJggg==

iVBORw0KGgoAAAANSUHEUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAgOgAAHUwAADqYAAAOpgAABdwnLpRPAAA
AN9JREFUWEft19ENgCMBFBHdQRHcBNHcEQNiSRqClyI5O5DE7+E41IMDdP0X1oVmLU4T03C
HarAjJME3nFywDdOCmjhZiAlnASwhqMDI6uVJEjppnWaDcDRKojikEAPrrb13mfQp8LCQTvB
xDWBbFwVqIARAlVwJIAJZwJ3sBF728XX8WabUapisQ+qIKuNWgHZ/JOWku1gGsBEQkAmEgZ6

ka7gyMHodkeu6c5agWbuDo2eIH1oyi8rfexslaN3rCvPqmRX4IjJb+SINboz78jusFEBGtKq
PyQ3If9LqgInMas+H1mLnGwAAAAASUVORK5CYII=

iVBORw0KGgoAAAANSUHEUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAgOgAAHUwAADqYAAAOpgAABdwnLpRPAAA
APpJREFUWEft1uENgyAQBWBH6AgdwY07UkfoC15guUQSYgCPu/eAH5AQjQp8vCiybausBFYC
QxP4hNG/ob6GKggDC+686nTIFDcdMoebBlnDwZC78YXW4CDIIwBbkS04N1I6aEFacC5kbKxB
enBmZGwox19IkUXgTMgUKOe5RRaJS5Gq7/MOvCMZOBID+IWWHDaiH+NkBiUg67o6uRgvC5Lr
txnXM0ETrhfQjOsBdOHYQDeOCYTgWEAYjgGE4tBAOA4JpOCQwNwuSLUZehol+aujlJHA0n7y
KaTqfTQQjmQAI/Ltiu5qzAJKv0eouxfJBMKQ3kmu9isBbQJ/MeliP6GDcEgAAAAASUVORK5C
YII=

iVBORw0KGgoAAAANSUHEUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAgOgAAHUwAADqYAAAOpgAABdwnLpRPAAA
AkNJREFUWEftIntKG1EUhn0EDznVeGzrhdWordWqpTqdyGg0dSYak6hUILLGQ0vpnVe+QBW1
tVCpXhR6UQRWkQjQC0EEBUtfabn/wk5bCbJ3djlJOIEPhmT96/+yZ5iilueThxNljE1QJtim
CrnfviopkHEE+Qk4J6j6LDgn6JxgmleQra+ZeGKcfJEJGZBRvXPCeZRdMEEZbBWMxcfo3Fsp
BTLCJ6A6OBpL0BkTIAEZ1V7hfHQ0TqdMUAZkhAtUB0eiMTrxVkiBjGqvcD4yHKVjT4UUYAgX
qA5akRH66fLgYxqr3DetCJ05PZLgYxwQbpB0zRnh0yLRFh61EWH7nlpkBHZjRm4pP0z4SEr
+abjMW3X1tEBE7ATdKlBdteedD4kheW4+eAza+41uyVbNXX03VWwU9CBLnRKPAMD4fD8q/ZO
+IBzl765buUE7EYHuqTk+HAoFF5YbOug99V36CuTzCbYid3oyEiOh4zQ4OL8w3Zar7pNX8p8
WQG7sBO7leRSkv0DL5OtbTOX02fmaQKWz4/YZfBdmZFLiVp9C/PtbTSTqIXCeww+vpWsyRH
lwV7jd1k8wP6xCQzAVnsyllcSjJo7M403aePpR4pkAmybE7I+HJd7917EWihzRKPEJhFhxY5
XvJU1/emG5tpo8R9LZjBrK1yvKxH039MNTTRGpNMB37DTF7k/kpq+5MNAVopdv8HvuvRtP28
yv0r+fxegn4Wu/6A64KR45Ld3drBRH0jAVwXxMldIXjCxEBByt1YqUsCqVXS5sennQAAAAABJ
RU5ErkJggg==

iVBORw0KGgoAAAANSUHEUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAgOgAAHUwAADqYAAAOpgAABdwnLpRPAAA
ArVJREFUWEft191LU3EYwHH/hKLNt80uk8oLe1nFds7Zzt7fX8523ma4KBER1lxukVliHSay
KrHCgphpmZkJF1100U0XRTeZXgRpUNBFdBFGGF0+nd8BIWvl2c5vtYsNvneH5/nwHDZYTU31
U71A9QL4L5BIJLbwQtuCILTI8U9XOXEdN5ml4EaahopC/o77ebUJUBWDLISrGORMuP+OVILD
gYzH461Ffz2KwalBhwvxFeLAs04XlyYyFDwY7SpqMa6LcAJoqKflBnHi6sSEBQDEY7Ixtfj
PSR8H9GX1PWUuOTF8c2WCoKwB+Ee9xnQs8qA67j8aQK+XdGr6topM7C8cLsQEu3hOOHjo16D
vEMxkGW5xVvdBH9pMfSaJICluU3IKXXuvXPPSzhK7tgNMpNjJwk4UtOhy00D81FI0S4Wlxd
vJkybZgfjXHKgGhIhIINXj5OwudhHbbQPDSXYWJLY0njX3OZKKsciJBhJnon10XApyEdtmYz
rfCyf0fBeRK+OCBCBsORu8OdJvgw2Fj2QmGmeKCMDEamhjqMsHKxsawFQ5HSgAjpD4TuDR49
BG8HGsqWtKN0IEL6AsHpC0cOwlJ/Q1ny+QPqgDLS578/0H4AXp+rx57X61cPREiPxdz/rAB
XvXWY83t8eIBlqTL5X3QF98PL87UYcvp8uADlqTD5Z49K+6D55k6LDmclrxAGelwPpsye+FZ
ulZ1NrsTPxAhbTbnXK69GZ6malVltdnxA81+v4am7e/yHdvhSVKrkKp24QW63W4tTVuXs7EW
mD+hVZ3ZQuMDIpw0cLkn2gJzXRosUWYLHiDCKZRIJR3ZDTOdGmyRpFk90G637yRj6n0qtAum
OzRYlwhKHdBqtZJGE7GWITTD1LFt2DMRZOIAGWck1iQgIDPFfurD1Yv8A8v8AuT76crZKWc
TgAAAABJRU5ErkJggg==

iVBORw0KGgoAAAANSUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAgOgAAHUwAADqYAAAOpgAABdwnLpRPAAA
AmRJREFUWEft1MirE2EYx/Hn5C29+D9o677UQputM5N966TZJulFqSsFsRoVRVEUFcUSYrco
FatYrLUWpRQU9KCGbz0ooghaUFCKiEIRQRDKZ96A0po0GzOZ92Dge3vneT9532SI/n84O4FY
IrGRM9J8jhLvANdIBhzsbeYXyYDTLxbzi2RAfCN+kX+A3CLnArIE/gvkDikIOBepKB27dH1P
LgRkyE9v63Ax04Qs8pJuyGJAhmRVhYwpCajR0GATfs1Sydi6qBlv/ySjsTh+fqWadqF/A7L7
Dpd13ZGogh+fqeZlehsRiSiXSyLDkRi+z5AuDaQbEQpHrxRFZhdg9iPpVI9qPUKhIshgexhf
3pOupXvWQW4PXS14knlwhJlp0r3UmbWQ5dBIHjLQFsSH16R7Z0+tQUCWp/KA/oCMdy9J106f
WA2fv+1awSv2+gJ484x06+SxVfD6A6ML/pM9Hh9ePSFdOn5kJbx3/WirxmX24Pnj6jmHT20
Am63d6zki9rhdOHpA6pphw8sh9PpuVESxbY7E6o0cF9y/D4HpWMrbM7XeNI4dRcJNseHiH
irY/2QC73XFTzX3LniWIEu5PUsEmxxYh2V0PSXJMID1Q7YWTgoi7tyiv4UwddnY1QBRtabX3
rGiexSpgapzmNdRvQNf2egiSvbuiYVosNlusuD1Kfzt/zoAdW9m1Sru12K/imSazBRMjIGsg
ZcC2zUvRKop7Kh6k1QNGkzmH6+sxYEvnElgFlanVXIXNZUCG69yUxVmFvVUN0fKhFqMphzPz
iGNfvLnFyC+OAbk9OS1/NizP/g1p7NoktgieFgAAAABJRU5ErkJggg==

iVBORw0KGgoAAAANSUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAgOgAAHUwAADqYAAAOpgAABdwnLpRPAAA
AwpJREFUWEftmEIPFEEUgOsXGEyURA7soiggZ5numd5meraevbntBhiQTREEVEIQIRBcAGNc
EhNj4kFBRARRJMZEoz9BvLF59eoB788qyBhQQnqmayKJ08I36/feV68q1VWNUPbJdiDbAfMd
iMV1iZoe+6FH45BJTJkmJcvs3gN06zN1yMBNCZJgTdMKNT3+pap7FNDYJ6rgGTIVSCQTIUSO
pkcXK7tGAI1+pAY1waRkRMOS524CGvIABVWL0ulgc3gNbk/HNEXKzqvA7rx3jQRVacrSEQ3

JdWvOZcnAF17Z4pwRKMvSCRDIvPqC9dQMMLpgiFVfqCgWB4vLp1ANDQvGmCoQhdQZ8/OFHd
0g9ocI4K/kClnqDiDzw70dQH6MoMNFCA6QgqSmCyqrEX0MALqii+gHIBj9f3vLLhAqD+Sep4
vT5zgm6vMIVR3wOobzwjuD1K+olut3eqoq4LUO+TjIFrpCfodHqmj8c7AZ1/nFFkpzt1QRw0
fSx6FID304zjkF2pCTocrpfi+hIAXQ+pkddwCfa14aPaDjntDtm4oOSQZ8rVNkAdD6hB8pG8
oiQvleodf+VWJlCxQUmyzx4NtwBqv08Nko/kJd9uq8dzQBSlpRK1fv+QbQbE+RFabk4grt3
+g4VjgSbQBDSr7Ye54nkn3V4QTQmSII5TIwuDrUCar1tirJAlwiiOLfTXWNDkhe+5+I4+8J1
OF4wJkiSybJ8kOP4IaJgM6DmsbQo8yWA58XXu12EJEmqsXH8+iG1E6w23rhgUtlGcStF/IOA
mvD9lwUOK/W4I/yucklxlSnauHXWYqUmmJTEwauFvgZAjfhob4BSby3pxptUrpCIKfOYxvoz
Izjf75LpZjhbaqGSAJQY3pVsdxzL2ebTKUQk04nbiNmUZNCkPHWA6od2pMQVBZb13qZdxGwg
kcTzsFbgrgVUN7iNEqeO5Wz/Tm7Lgs61WJi1fBf+TVF7dYNIWQNmL8htlTxZw3zLd8WwnAoW
II0wOzvU4/HWkEsk96Qc9dFmE/7vHfgF4j4MJ1zaLT0AAAAASUVORK5CYII=

iVBORw0KGgoAAAANSUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAgOgAAHUwAADqYAAAOpgAABdwnLpRPAAA
Au1JREFUWEftV2IPFEEQRX+z8937vu87O/4B48m1sMsSlhLJCiqXRDAqlqf32zf3St7WT2

UujMBzp5qapX3VWPoQdqRA5WkZ5AodkUopCLwsZOOEXhRJq4Xw+cEIUSmRVXKJGtxBVCJMXV
jzv5eR/Ar1Wtx27AcU/0O2nifkAIsXsPCH0fGxdVZFrakIE8IR2I2IEotV2AZ3h2X1e5tC01
NNq6C0CUAv62R5NnPoDmsZciWWNFvppUpXbMyQaaEZt3PMLYfOazPPZvAFXUSEuNvdVYLj2S
4aNOVq45Wb/t5DsarQO05jMOcxaTU/j8I5tOa7Hmnqw0eSyVI04WrjhZu+XkG4GGaoE1+Mp7
jn5zn/dtDy3PLF52UoF11v6vZeLmUfArfnIFGqx6f5U+QM5yudb2B+fnL0EkfvB/FIIONsgQ
Csyi0OcbHmigvlnjs7ZdnjmfZ232YK+e1sPkqQzi4LuLTj5dzwEEreTxARfmW+0l/x492Is9

u1pp6ZkMHhby9oKTZbwUHzMIOFPz9um5q/68t8uZ2GqzF3uyd9tl4qbPO1ICsSW8GE0g/hCA
ecZmzddzAeyM1snw5Cz/Bj3724mkuDThpe0MFlrAi6NAk7+s5xdDHR4276K27un0JDvdBRaZ
wwWfhRi1GcyBVy7I80y0xWZ8gXpBdIHTuNgzgNkZ3CHGtOR4j9X3fHSBDTRunANCaz75TC66
wNdnUwBtK0wBZGWiy5w8oyTVWdtJETmxZrz+egCJ047mTjI5CVBH1CLWHMBrz66wPGTTsYh
piUy+egC+e1bh4gxO4/2Onrxs5D+WA6AI5+o9CTM2AmJwCnOXU8nSk9h/qETQIOMKPGMGf
ftXvIRdd4DCaGiqhj0nZYlpOzrTRBQ6iMTFEYJ4jIKPvbTOv433k/8UDENIt+nW0jyyQ4xPR
R0CA+cY3cz4fXeCLQ04UEEDbl4mNV+tnwajj1nMI6gXRn2DX03EwRUd7ggeN/jyB3y7o8mM8
dQJOAAAAEIFTkSuQmCC

iVBORw0KGgoAAAANSUHEUgAAAEAAAABACAYAAACqaXHeAAAAAXNSR0IArs4c6QAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAgOgAAHUwAADqYAAAOpgAABdwnLpRPAAA
ARFJREFUeF7tmkkOgzAQBp3z8JM8NYmRciBKwuKIzykjzAI7OkZUQqr0cCtLK/rlnbns+UL
AXwBbAHJ/q/nDmcAhyBVQF4F131IDiAlkQQI24AySBmkDFIG5QbIAQqhkqAKA9AOMw9gIMJE
iF6AXoBeQJ6EGYnRC9ALBOgFlNkX5XnVSL0yb1YuCR/wbxM5JPYazyFhBz62hIPwMSWchI8I
4Sj8DArnN8L4ldIL3KaEzvC8Jg+B9SBgMb1vCJHibEibD25IgggrchQqyvlWAEXiPBGPxcCUbh
50gwDj9WghP4MRKcwfeV4BS+jwTn8G0SgsBfkxAM/pyEoPDHJASH/y8hCfx3CcngrtKSwut/
7Inf4AlMmWkmpjGGwAAAABJRu5ErkJggg==

iVBORw0KGgoAAAANSUHEUgAAAEAAAABACAYAAACqaXHeAAAAAXNSR0IArs4c6QAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAgOgAAHUwAADqYAAAOpgAABdwnLpRPAAA
ASpJREFUeF7tm10OgjAQBntUj+LN9GZqo0YeVFjY71+HpOGIKcwE+22LtmBhZ+DS2qk3vztw
vHIHv7Z26206CUv46SR8g59Gwj/48hK2wJeVIEEvJ2EPfBkJR+DTS9CATytBeZ6dhBHwaSSM
hA8vwQI+rARL+HASPODDSPCEd5cQAd5NQIR4cwkR4c0kRIYfLIED/DAJmeDVJWSEV5OQGf6w
hArwuyVUghdLqAi/WUJl+FUJM8D/IDAT/OqTIH1h/JB3fg9qfe7XIt6ven8E8ATwE2AosJ78
FjM5k6D6rC4dkBQgBUgBUoAUeP3j01oEawEWQ6wGqQSIhZt6fypBKkEqQSpB6wKI/YDpt0bE
oHqsSQckBoIBypAYJAAbZEHI+A2zdQuwISWmZVw87AI5DRL00DRsAAAAASUVORK5CYII=

iVBORw0KGgoAAAANSUHEUgAAAD4AAAA/CAYAAAC4nXvhAAAAAXNSR0IArs4c6QAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAgOgAAHUwAADqYAAAOpgAABdwnLpRPAAA
GRVJREFUaEPtWgdUVde23SKWGBN7AYErRRAEG/ZojCYaa6zYsYBUwd4rKmlvGgUrKipWRLF3
o6goigWV3kE6Atb45p/7XK7hpbzKJ2ry/viOsTy3nLP3mmvOtdbe+yLE///7yBEwd60nzN0b
CRP3Mh955r9pOit3PWHitFeYjyoUVqNeCROHH4TJyBZ/kzcfaVpdF31h4RbSeZwvtgaGYOeJ
27D3OowSjcenCaMh7T+SFx95mqdDdURd1xvjVh/H27f/QvF/PgG3oG099qmoNajdR/bqA0+n
41hVmLtdGLMqCBLzj/yv4MVrFDx/jZev3ygyx8D4cglJNxyYL3b4tP7A3H2I4Q/saoo7T+RGe
B/Hmx7cE+wppWflfJqLxLRcpGTklfZcwX88j1Xleq7xQujga0/kncfaJpPh1QXZi6XHRYG
4FnhS2QTYFRiJslIU3DzYQJuPkjAncdJeBz3FCnpeXjx8g2W+v3AnB+TLAWGffGBvPrAwxo5
VhAWrmfsPA8pss7Ke47wmDRcC4vF6etPcOzKQ8VOBT/GpdBohDIA8anZCvhFOy9Dq+HYelK3
/sBevufhKw/+XBg5BdrO3Y9Cgs7ILcSD6FRcvB2FgEv3sff0HfixokvbcyoUh86HKQG4/iAe
MclZKH5Ggt3Xlawl0QujYN37N3H2g4PfvKIHeQzfTdSM8pREZOAE5FpeBcSAT2nbnLNnYD
3gevYeOBq9jIq8+hYGw9cgN+J28j8PIDXKUIZDrkPnuB6RtPM+fdI4WxzT+ceSlvM5fjA2ft
VaSdnp2PO0+SFTZ3Hb+F9ft+wLJdF7DY9xwWbz+HJb7nsWznBaz0u6R8JwNwkOxfojKexKcj
N/8FZvmclQUvWqj6NppAVP3FYXW6IROmzocGzvRXQKdm5uHWo0QEXQIXAEmAczedwswNxzFt
XRCmrQ/C9PXHMxvjCeVzr21nsXzXRUUN/kyFczjJqQIVdYBN79kTDoa/EXvXzPj1ezKc+I
595u433JciFS2aJuMF+PXHwA70PXsGDrWYI9hnErAuC+9DBGLT4IZ6/9cFm4H2OWBWDs6qNK

MDy8T2IhA7DW/woVcltRyv2oVKVGylWPsHC+988BX821vDBzPtRj0k4kE3Ay21LwvVgcPBeG
dQQw1+cUJqW6ooB1XLAPI+buwdAZWzF2wW5MwWwXl2f7wtHTXwnleAZmKgMkFbDC7yK2Hb2J
oKvhSvtLy8zHhDUUnpOzD/37wOo7lhJHD/h4Td+BpVgGSuCj54W4M/M/cwao9lzCLsh67/DCc
yK7dvL0YMmsnBk3yho/fedy7n4yHD9NwmLnvMGsrhs7epdwnAzR+5RHM/P64Ugs2B1xX2t49
gs9ksRwvwVu43ROqnuvWbd/cDi9vp8lQ4e9PSbtINPPIJWY7Me7T4Yq+Syl7b7kIEBo98fQ
ObsxYLovbMatx5bdfXafl0d7hrjYPCQl5iOl1X7oZG/0n7oNwzz2YQCQV4LbkECavOQRPLWeU
6h946QHClIKySgVki/tBU9wTuv1N/6C37+k2uYeu4+T37eitCuiEtBxcuBWJHUEhWMrqPWI1
lJyZv1LWg2ftQt8p29Bz9Fr47DqHhPhniKfXua+s+TEAgQyYP3HrUPPCZswYMYOKsBPSQ1Z
Fzx8TipVP+DCfUX26WyRbsuPsc+PuiP0upu8J1S/N8wcLWFo79PBbYsaNFdbskfL/jxv8ymM
obRHzt9Llv0l2g/9pvnio7c12OB7GkkJ+QrwWDKttlzExOQo1+SkQhwOuoUerivRbYw3bPjc
wBk7MZwKGLXoiDtAkJl+st3dZYuUawTXpUchTB2DhW5H/d/z+q99b2FTmoclm9o6eyMiiVOR
99kbEczDYKUij2aBsiPo/tN3oOvYTfjCbjXMu02H56rDil7MwZPH2QgPz2BuZ+BRcYePcpS
XivvH2UiNvoZtu+5DPPOU2DR1wutHdah+7jNimpcFh3AFep/KdPI/3QoQh8IUWm5GDH/gJT9
NaHqUfuvqfvNop+dos5Btbuvsg3hOmJCagzNcc8vil6uwk9cBdCFYq4HLUKOTB0q3mAhRZxiG
j9+ggH3yRILOEY+jmlglp5kiTIi593njx9nISYqD4vWBKkk+QilhqPx6ZfToN99PpqPWKWo
QBZLmU47WRRly0xg8O0WHIYwJ3ijbgbvH7yRw7ovnTYiksvJ2JRsnLnxBjsl2n3plbQhMzoE
q9WcYBUpg2g0VgFtN9EbMdGUc3QeliKyFZPVe+PyMX6OL/o7ryB4jkfZR/I7aTlgyYmFWLYh
CKXq2cslK4T1eNo4IPliCox7eqHTaB9MwXtUaXdX7sQoS9yh88i8meNloepS8/2BNxq5rLHt
aq6505Qd1llrzGH0m5ltwbl2kxVA5WAmxF40wl0wA52bFvxBJQqN0+wOYrFsZqnJBVgxpJ9
lCdBmY3AwNhrEMc8Tyx+H3M+LeU5lkrwliM5NsdvPgmiCcdyNcmQrUOs9FlzCZF+hvReEh
V3m9p+yS4M8lw+4l/ir4EmxZa5qPWEfQqYgj0z6Hg/GN6waUa03ADcbQGblhnWo5WX2ta4/h
ZDop8RISkgtZwdm6aLjtZT59gdkrDkJOuK0mgLRZjorsyNsJ2xAEU9JLXZ/lgthZvpLLNt4
DNpWDJKcRz7TgnPIAMtAMwg1O85RiuCh8/eUdtd3mh9l73ReqGz+NPMLhLHjKq6PDZdWTq6
ssBUbj+D8hv974ClQxK4hQOGTdxlWPl4mvYcSUn5iqWmFCI74xU81wRAq5EzhAxau9m0WRBf
yvGcMWKKD4H/+3MpKQXlznxF5o9Cu74DAZPxL/isnEsTgEYyAGNg0stLyf2b4QnoM203CXA5
J4x6Vf/fM2/ksKDBoJXcXaUggGvuxrYrIAmUSEtmW3ByCVg6lq8EPXTCRjxNzUdW5kukpRYo
9jStEHk5r7GYzJv07EqgZPKbD4ivi0y+lgFo6AKHmVvVQXvKTU4q1/x8Pp2v83PfyAnBa9Wn
UuTcracVsV8sAA1GQ5tKsJniyNc7HSfsIoydzouDFpX+uPgTRw9LfoTxWm2qgXcNFRoS2et
yHJTSkwCblKEWDogr6Lltem9ELkEmR6+nNkZBQIM+M5srNeYuWWEyJZZBTEVwT47TyjlkUm
X2vey0CQea91AcjLfcWxOlZihQzkCxq++5HBO4qSUjFKmnBeTdCITzlgsghausOq/1L2/Mv4
hmsNYe4aKHS6Vf198KaOXpb9l/PMOxSDZu5UCsm74illpmFZ5qdkr+k49HRbi5zM5yh49oZA
XyA7W215Oa/IWD6s+81VO9rVC6LLAI6l8bXG5Gdd+L7VZK7btXhkG+QwYDkcS5ocUwbj1fN/
YdaKAyjRhCTIFJE+yMCz2qviT5P5z1Ss0n4m1/yB+Mad4OuNChIWfSv/NnirUR5GPRdyc3AB
bR3Xk2W2ElmiZT7JgWWE5UQKaE7cdgZKtxyHi8GP8JanxAX5b1BYoLb8Zzw+pmVmFKDViOVq
InssUVtPaU/MuVzvm83A25ee/Ci4C3y8l4pYlVb88K3TIVc6Hfm/DKQbWeqq6+AL0o5pcgS
PDtNGQZi0lXdaGH/PQvqxqMBfAc7FidXor8u2mTW3nM/FyF0QhYwGT1NLiuAARLW5ywpPWL
AIW2zQRcC4nEs7w3LGRyHc6tKQtaDh/+eJHsr8QXzisUrPbZyVEX5pNkcnXxa3DHlxZ6o8f
X/PcvYCByy+yotdyvBzu942/Y2GUfrTnVfrya+xL6bMeISRx7Zw3oEqHuShd9+ebGgvXmoyQ
lXs9Z2nuk1J0BppyqsYVkBzQm/mQPB+0VrRnXCfTy4moRb15/iwoUEnD0bgytXETi3c5Gf
/xxtXNeq2R24Tm2DNEZVDZJW9J5yt/fYTaW8wuvXPzJwb/CcPzqg2A8vWw9cQqnW9O0bzq0U
SQm+qDso0i9XhlmlSrbIMGXJXGI69uOnyOE1k/MN51Yk4XBSzRjrgCUbxqa0BT1kr1/ZqA
5YQdOXFnBqnTfEZ8Cr7h6m3c3H3Ye/AOrlxOwPklcbh4MQFhYalo6UJg/VdDDPOGGO4DMYIm
rxrTvO+1FH0n+uJ2SCoLZCHEvFEjDjx7C8u2nqAa9uGzDgQnAy7nlumJAS99k9JvQz+LV32J
RUq/6SR8amXj1fxTIRc3pdTgrR1LicZjvhVNxr0t0WIKSkpJFy9icsB3oDmpnFBO3G3hTznb
gcFoNhqLvz+NkJtpuHotkZbEAMSGgR0Zt90A4bANwnG72px81aZ5L7/rv4r7dj9c53PXal+5
ccnNeQnHeSyyjZl6ktnui9TqkXPLoii7gpxbEiLXBgp4BkfJ+akoxRqgLckjqbom1s6mtSrW
t9bRKfeOdRshSpZo6LxCNJUMTyifzrNhZYcRDI81kj7W/JsJxQ40Af9vd+ZJMSLthHdE6u2
XsLd0HTcvJmCkJAUAohHlyeCtt8M4cZVlcbucuciQ5iat6PMh6zF4tj/u3E7DjRspCA5OUI4P
nb2HAV7MIGCR6r+GtYJzUh3iO34mu4FUnVSB9FGzKGLel/WAxW/nYuSraajZEO7O2a1Kvcx
1NNralGtWvniha6EhappTe36w3dpM1K6vRahZp/F0JKDyZyWA8sJJGg5Ya9l6il1gl4MZp7a
boRWz0VYv/MKwh9k4s7dp5T5U9y6mQRrN4J25oJiPdC4/dDTObVY/K9xkZshi23mQ/vZ+Du
nTTcufMUD+9l8FTGn2A5n0yVIQq/gAqSc/dmt5C+yMLZiQqUPpL5EiSuCruTgc0SIG07C1oN
7O8Z1DZzN9LT61VHpTJXqVRI/w24tY4oV6dmZXNtS9s9ZZgnpkNWobbtKmhLwFLecgI5UW8J
mpV6oJQwHZG5arcFWjbl4L33Gikf5Ch77PDwLITdTUUT/h4uxnJjMj2QxsMDaTN4giJNvp7G
z6ceUaQ/jL+zRXB7Kp9/QlVkhT5uAQMIaZxyq7o+yLSRc0uI9SF42Q4V8POhRUXWGRgCdYev
Rvn23DFa2d2RoE30qg/W1dVtaVKZjWCLlbg1CEoavRJVDDTq2hV0sLW/5MvZ8LKYQPMaKV7

ErCUt4xyP4KWIXjoRjqyibLh8io1sDV2HzghnKWJregcosZ/jAdVjyiEqMo18kBEFMIsLjN
CILw4BnaHB4iUvp2y47xQCL33TY2LiYPDov5nGTalbkua4EdFSTnlh1BFk0JnoRo91gE17v1
aOTiTYnPRwrmrKWEGBnXcJGhDQ8Ou+vr6uj8VtI929ZLWBF+nVrUGJeoNC/i03Rw04dLPasx2
IB3ASWTfIRPKiaUDsjhJh9z3QMt2PbYfua1sPeO4tZSHilFR2RjosRf1xm6H1eQ9sJpCm7pX
sQbT/FFz44GgsAWnFPkP3LVCSRzZyaDJy2Fuzqn5VSFDPAY3uvKracT55Q1Q0pfphmJKM3C
aEY/m4/fjipkv0R9+0f6tc3GKKANDLqaGBhYWFtbf1Xz317DKeBVuroNCf5i+fz0GaKH5pM
98cnwmmY+axMLB0YRUekQ3Ray84Hu4Lucjv5AsncbGgsIT6Xe+7sX1hiXA5CwpJQf/YhiHln
FLk7rTuDDO7s1M8WIIObFFd5pCznmsgtrZxrFluh7Aj2XI6SgNL0yWrybnw5Yy+qdI9I0A7h
tQwtxpkVA21iYvL576/Xi2SvMK8ieAvbw5+zX3aYexCtvAJRzqWoDUkHxrLwSlfotJbjVv4S
GoZnBEFyc6HZaGRzk6Feexc39WewucxdsP8mxCxKftZxuHifQx4/1zz/LPsl3L8/pQ6wrAUT
GaRxnFN2AgajLH2x9jiEDgsCUJ1L4RKWdg/fmW1o2M3Y2LieUaVKFX4tr/9TILStKohKKpVu
l2E+7GhI9u6uS4+h7YrT+GwCi9VoRr8ltJgZBC23nQi4/AgvCuVS9eV/tBzle67QeO/m0w/U
eT7/LMb6XsFLrvU1z78qfIMJWy6oi+Ps4+oCOYngx/ij3Hh/tFhyAt1Xn0ItG7a4enZPaqjq
ji3K6W5GRkaWNA65B9lu/h92IYGopKxgbG1MB9+qnLXheix9gzab7iEz2cVVWMYJebX122
qzWBt5XV1luut/9Fw89M89m773jLth1kfNFfIOXX0HvjBeDlj4D80xhpr9+i31oyPo15Pp/p
IMGT+flzA9F63UX08bkEg4Gs+PUconVV9ScUB822VfhPgtyEQFtVQVQ01DNsSuZPVmbx+O77
C+iw/QYqetEZD4JeSFblmN6MgwgllkKbkCbuR6biNg8y5GFGqGKpit3mEVFoRCrCelZ3+GY0
dBdzDO+7EJvvobTnGUxnlB5GP0U4bfa+6yg9laeoiy+p52AtqMA5v9pyHTa+wTAYxLZmOTJS
18hqkPLT+vrd9fT0LCv9CXn/liq0G6gkeL2mwnTlqapsHz23XUPHPXdRZeUViCX8C4aV18gc
HZx5DJU9jqL8rKMoOzslZT2Oo+z8EyreRJI5x5CwA8iW8iALSPTm8Mgdj+B2PUYYst9CK8L
+GzuCXzmwbyfwxRYGawee+lIVFp1BV/7haL3AIYDmM/N7eL0IVZTpCgjWvX7sG2Vf99MP3z
lCg5X7tWneZk/mJVrt56776NzgGPUM07BGINJbshiOwRiM89iK3MXd9HEH4EtScCwj8SYn8U
xlFidjAaQtp+fufPe/bwXj8GYntDiE0cgyoQGznm2puoyjk6HnylAYcfwNce7c3SlagWUaMp
EnTltAGFSrlo6Y/ldP/uQ60bavdgLLXNTBuJcyGX6redwV67w9D1+PRqOILJ30IWgLeQcCS
RQIWAj0UDa0JmfgkMBYVjsaiUpFV5PXTwBiUCiB43qPcu4/PyADs5BjbOJbPXdtWvY9Ox6lw
lOgJjBzZxiwcE2sYNpymAV2LTBsYGHwg0D+FRCl4BgamX4i6Q6/W4Oqpd0A4up9LgM4esuUb
rga9jwySTS2C+ozgah6LheHxONQ5EQzljPj1fh4LPsDYIGFQsJf4IHdxcDvCEc1jtnldDwG
nl6FiWylFg5J1Y0bTzfTqzLYWkXqSbYbAzQRfctS0nwOobmbYTp8GvVJfijT9DjcgpqHSZz
kumDUSHzJBbVjsXBADrnYpDQwJociYezaSdjUdTWmN+Vp/fySDIAJRnkiQcg8zX5LXbxWQM
OJ8AYzdudOo5JldXNZ8hQRupVL1MVKpGLGbyPO0DyPu3xV/K4nNRWa923bbCzPYHyXyf0zHo
eSMd+ifioU32ahC02cl4NDiTGozURGsCaMtTmvY8pJDWjvYIP2vJ76wZjHqn4IG7CHwtjtE9
OA0Dr6XC2J3LYnOHxOq1rWfKlqUBzY1HIY8N+h3zFngiso6RaWsyH6wzdAP6XlxHn9AsND6X
SFizP05ArQisHQF35OIMF1o3Hk1J68rXnWfMwBtGIAMzXNgcTIOzfhsv1sZGBCSDtNJXChZ
SqBv8v4HgNZlwbpUC4KvpWrQTtQdcUtnuDdsf0JeqHvZBJWmlgQk2ZUAv/shAb1pfa+qrQ+t
J00GoUMR+M5XkuAWlmgXOxmoO5X79XpO6VUMm3toctrYwKBxTItD0/+zlrsvT5jLaxLSeZr
GNRvL8HrD12P0TeSMf1RDgZeT0Engu5BwP0lciBwPAZfj8cQ2qDrCRgQLIMRj64EP/g6n3mY
hekPstFgMpk2d3hK0HM1TLNHN5Kg/yZ5/1bM1MzXMLBoz19CbxqP9Mb00FR4RuTCISQZfa8R
GEEPvxkHu5vxsOd1BK+2N1ix+Z0j7/HklcSCxzloPosbH0vH1Kq1m80pAt2bTFub6ujlX0X+
fqZ/GQKL0k11RRVdA6uvCT7M3HUr5t9Lw4qoHlwJtCywghxJwE4hsXCmOdBG8P3o0CQsi8zC
Ch5efOXJwwor5yyNvLnR6E1rUnR68k8ErQ6DhVCDr1a76bcE/8DCeTMW30/FWu7Jp3D/7RQS
A5eQaLgq11h+log1UZIYz++/msedVz3nnEpGXywwrVVICAtZbwNj438y0z/nnuA/E1WqGII3
EaYjHli5bsaqx2nYGJeF+Q+Yx2FxmEHzfJCEDdHp8InLRkcvnsRYumRVNGy9SMqbJyd9JNM6
anlrv9ei9CEHk8zXJfhqqkadhKn9/SZjfbHu8VNss8jGxsg0eHN3tjU2E1vis9GNZ23CkkzX
bumpgDY07ENrypMTeTj43wP6p4CalGIYU1SrYtikuzCzj2g6bgfWPEyGX1q+YptiMfD/tlW
g1HPPjduu1jDNEE3I9vyh/3/RtBF8C1EaR5dV61i3KqHqDsyqjYPDnqvOo5+606iPINANHDL
r2jUdpnMaUNDA4VpCZp/pP67h4MfUrHva+wY1uVF1cpGLXrJFZ4wd3zOHdZLYTYsuiKZJmhb
5rTN/w2mfmxMyMpbVRQ0jfZ3WNYxbuNcwbjZNPtJxMa1VnUwb9uUuqzmvxX7Ue18x/yeMY2JS
Rh7s19Up17iufvUOJvq63dmyOsuWJUH/X5H3r4ZagrPgVplMq3j8a0LTLzoN/WiF7H8Abawq
Jnklr4MAAAAASUVORK5CYII=

iVBORw0KGgoAAAANSUHEUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAAAARnQU1B
AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAgOgAAHUwAADqYAAAOpgAABdwnLpRPAAA

AI1JREFUWEftmDsKwCAQBT1P7n+/fCABkRCMw+oWI1hYPBnHh4WIOPIY2E+UeuYhu0kEpFei
QQ1SAzRvBzVIDdC8HdQgNUDzdlCD1ADN20ENUgM0bwc1SA305Lfme6PtXc/62iN0EMhWuOfk
l5DT4EYgp8P9gVwG1wO5HO4LMg3cG2Q6uBoylVzo45t28wOBs7ZBIQ3TmgAAAABJRU5ErkJg
gg==

iVBORw0KGgoAAAANSUHEUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAgOgAAHUwAADqYAAAOpgAABdwnLpRPAAA
AKFJREFUWEftI9EJwCAMRJ2nu3S+jtt60EAoFIOQXCgniH/6eJ4aW1OTARmQAbqBvRMcvW90
kgEAoM67I4QEIAFiLAcJg4JckW2ZXGERc8ikTFZ7cZRJZfiPmUQRktq+HByrIFiBoy+OL+PS
AWeQHi59i72N0XY/4aiAbybLGDSb/m9TziAgR1D0Q2L2ZnDUDEbgalBROBog5fLVoJlGA9UM
XIDcl6NH30B4AAAAAEIFTkSuQmCC

iVBORw0KGgoAAAANSUHEUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAgOgAAHUwAADqYAAAOpgAABdwnLpRPAAA
AlpJREFUWEftIUEKwCAMBH1P//+1kIFKbGBonHF8Si4GUaSpMTBAAYwgAEMYGCAGWNAZtfl
M6dJQ96A0pAFUBayBpSEfAPKQVqALmTrUfR9s7ujQb7qmZAAPrPPEyExwH81Sddd5oQtN2Yk
vrWWusyqkzNXLLpb17IhrFqy5maLoT4GMIABDGxn4AKY67ZBNlmoMQAAAABJRU5ErkJggg==

iVBORw0KGgoAAAANSUHEUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAgOgAAHUwAADqYAAAOpgAABdwnLpRPAAA
AKFJREFUWEftIkEKgDAMPse/+L7fK66h0CRYuMiSZQNIJ5CJ5MU0ppCBmRABj5rYD/JvSet
yPKAMOBTdNoD88g0wGXicIUQMBtVQE9cGh/SozgYHLU7nDAO7jRxxwF9MBdlcMAn8D1kCGA
DFwIGB4RHKta5mSONcDmaeZkjjXA5pWeORR13YRtn2MLfj1v7Vb1cnBWrbUZt0IGZEAG/mbg
ALY9I6MZZF7IAAAAAEIFTkSuQmCC

iVBORw0KGgoAAAANSUHEUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAgOgAAHUwAADqYAAAOpgAABdwnLpRPAAA
AIJJREFUWEftIEEKgDAQxPoe//8/tWChBxVtoJ1DFpaeBkl6bClOloHtxKkbORVsvzYOsoeL
g7yDi4F8g1sO+QVuGeQfuOmQI3DTIAncNMinI9wA2ht3rAWkX6JBDVIDNG8HNUgN0Lwd1CA1
QPN2UIPUAM3bQQ1SAzRvBzVIDZgfMXAAVGa2QaqINe0AAAAASUVORK5CYII=

iVBORw0KGgoAAAANSUHEUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAgOgAAHUwAADqYAAAOpgAABdwnLpRPAAA
AJxJREFUWEftIEKgCAQBT1Pd+I8HbfcjwWRakWSt8EI/hTpOPs0LIWGAQxgQGrgRLOpdglo
ajgzMgloMeeTRoBSuMjgJqcLSnzU93LIqMRyyB7QjBIU+1wK2YJ45FJBOMc/H9JAGuBTswP5
dpoA+dVzi0IMZvgttIUgk2SSTE5k4NcbZ2K96z7pTcqvDXdLdch9nQdGxgAGMdbk4AJNSZej

x2MQBQAAAABJRU5ErkJggg==

iVBORw0KGgoAAAANSUHEUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAgOgAAHUwAADqYAAAOpgAABdwnLpRPAAA
AhtJREFUWEft1UEKwCAMAeHf0//Twk0IDZ6iC2s4H1YMWnNYwELWMAcFrDAW+AhlwhcpwIT
hwTOOBxwxaGAFQ4D3OEQwBMugDfvZ2iQcOvr4YGRITc7gX0J0k1esyckLh1jF51VUlcwRWJ
BeYIQgPFWcACFrCABX5YyAA9LrZBssdynwAAAAABJRU5ErkJggg==

iVBORw0KGgoAAAANSUHEUgAAACgAAAAoCAYAAACM/rhtAAAAAXNSR0IArs4c6QAAAAARnQU1B

AACxjwv8YQUAAAAGY0hSTQAAeiYAAICEAAD6AAAAgOgAAHUwAADqYAAAOpgAABdwnLpRPAAA
AKZJREFUWEftlksKwCAMRD1P79Lz9bitWYRKqL9sZigTEHEReL4ETskKGZABGfilgaPe6qrL
drpwuLuS2TqZCCOcAZpJiujBUZRZcNkekTmZyxrI5qnnZC5rIJsH7zn7zHsBhzMwH4kiJAVc
C9iaplGLgAZJBfcF6CX3HT62R6D2DlebGaSYhEcGR09Q9I3dzpsBwiFXAKGQq4BQyO2+UIM
ylAMvAYeF+iXozQgZvcAAAAASUVORK5CYII=